

LOSS COSTS – IMPLEMENTATION

SEPTEMBER 16, 2020

GENERAL LIABILITY

LI-GL-2020-152

UTAH GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

KEY MESSAGE

Revised overall prospective loss costs for +3.4% to be implemented.

BACKGROUND

In circular [LI-GL-2020-151](#), we provided you with information about the General Liability loss cost level experience review.

CONSIDERATION OF COVID-19

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

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

ISO ACTION

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

SUPPLEMENTARY INFORMATION

We are including the following supplementary information:

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

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

EFFECTIVE DATE

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

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

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

IMPACT ON THE STATISTICAL REPORTING OF LOSS COST MULTIPLIER

For the purpose of reporting your company Loss Cost Multiplier under the CSP, as of March 1, 2021, the multiplier must be based on the relationship between your gross rates and the ISO advisory prospective loss costs contained in this circular.

COMPANY ACTION

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

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

WE WILL SUBMIT OUR REFERENCE FILING TO THE INSURANCE DEPARTMENT ON JANUARY 25, 2021. ANY SUBMISSION YOU MAY MAKE WITH THE INSURANCE DEPARTMENT WITH RESPECT TO THIS FILING SHOULD NOT BE SUBMITTED PRIOR TO THIS DATE.

In all correspondence with the Insurance Department on this revision, you should refer to ISO Filing Number GL-2020-BGL1, NOT this circular number.

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

RATING SOFTWARE IMPACT

No new attributes are being introduced with this revision.

POLICYHOLDER NOTIFICATION

If you decide to implement this revision, you should check all applicable laws for the state(s) to which this revision applies, to determine whether or not a specific policyholder notice requirement may apply. Please note that circular [LI-CL-2019-057](#) contains the ISO Guide To Renewals With Changed Conditions For Commercial Lines, which is available only as a guide to assist participating companies in complying with various conditional renewal statutes or regulations, for the major commercial lines of insurance serviced by ISO. The information in the Guide does not necessarily reflect all requirements or exceptions that may apply, and it is not intended as a substitute for your review of all applicable statutes and regulations concerning policyholder notification.

REVISION DISTRIBUTION

We will issue a Notice to Manualholders with an edition date of 3-21 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

REFERENCE(S)

- [LI-GL-2020-151](#) (09/09/2020) General Liability Basic Limit Experience For 2020 Group 4 Jurisdictions Reviewed By Staff
- [LI-CL-2019-057](#) (12/10/2019) Revised Lead Time Requirements Listing

ATTACHMENT(S)

- GL-2020-BGL1
- Actuarial Analysis Supplement
- Manual Pages
- Excel Workbook

FILES AVAILABLE FOR DOWNLOAD

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

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

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DATA QUALITY

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

ACKNOWLEDGMENT OF ACTUARIAL QUALIFICATIONS

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

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

CONTACT INFORMATION

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

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

PURPOSE

This document:

- revises current advisory prospective loss costs for Premises/Operations and Products/Completed Operations classes. These loss costs represent a +3.4% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.
 - provides the analyses used to derive these advisory loss costs.
-

DEFINITION OF
THE ISO
ADVISORY
PROSPECTIVE
LOSS COSTS

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

CONSIDERATION
OF COVID-19

In anticipation of long-term behavioral, social and economic changes as a result of COVID-19, we expect, based on the information currently available, that those changes will have a material impact on prospective loss costs for certain risks. We have adjusted loss costs to reflect these changes by applying adjustment factors to the loss costs of several impacted classes. Refer to Section H for details.

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

LOSS COST
LEVEL CHANGES

The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>	<u>ADJUSTED *</u>
M&C	- 1.1%	- 1.1%	- 1.1%
OL&T	+ 5.5%	+ 5.5%	+ 4.4%
Premises/Operations	+ 1.8%	+ 1.8%	+ 1.3%
Products	+ 2.4%	+ 2.4%	+ 2.4%
Local Products/Completed Operations	+ 12.6%	+ 12.6%	+ 12.6%
Products/Completed Operations	+ 10.6%	+ 10.6%	+ 10.6%
GL Overall	+ 3.8%	+ 3.8%	+ 3.4%

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

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

INDICATED
VS. SELECTED
VS. ADJUSTED

Indicated changes are based on standard ISO methodology. The selected changes are equal to the indicated changes for all sublines. The adjusted loss cost level changes reflect the COVID-19 related adjustments for Owners, Landlords and Tenants.

CAPPING

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

PRIOR ISO
REVISIONS

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

HISTORICAL
SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Fiscal - accident year data through year ended 9/30/2019 for Premises/Operations.
- Calendar-accident year data through year ended 12/31/2018 for Products/Completed Operations.

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

ADJUSTMENTS
TO REPORTED
EXPERIENCE

The period of use for this revision is anticipated to begin on 3/1/2021. The Products/Completed Operations portion of this review uses a trend date of 7/1/2020 because of the multistate nature of the review. To adjust the loss and exposure data to levels expected to prevail during the period when the revised indications are assumed to be in effect, historical losses and exposures have been multiplied by trend factors. These trend factors are based on changes in cost, frequency and inflation sensitive exposure bases that are expected to arise between the historical experience period and the prospective period during which the revised loss costs will be in effect. For a summary of the selected annual trend factors, see Section E, Section F and Section G - Trend Summary.

For Premises/Operations, occurrence cost data and occurrence frequency data through 6/30/2019 were used in selecting annual trend factors. For Products/Completed Operations, occurrence cost data and occurrence frequency data through 12/31/2018 were used.

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

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

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

TEN
LARGEST
COMPANY
GROUPS IN
ISO
DATA
BASE

OTHER LIABILITY (ASLOB 17.0)

1	Travelers Indemnity Co.
2	Cincinnati Insurance Co.
3	Zurich American Insurance Co.
4	Chubb Group of Insurance Cos.
5	Liberty Mutual Insurance Co.
6	XL Specialty Insurance Co.
7	Continental Casualty Co.
8	Hartford Acc & Indemnity Co.
9	Tokio Marine Cos.
10	Employers Mutual Casualty Co.

PRODUCTS LIABILITY (ASLOB 18.0)

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

Insurers are listed in descending order based on the percent of written premium volume from Statutory Page 14 Data for the year ending 12/31/2018 for the Annual Statement Line of Business (ASLOB) indicated. ASLOB 17.0 is based on statewide written premium volume while ASLOB 18.0 is based on multistate written premium volume.

SIZE
OF
ISO
DATA
BASE

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

The market share of ISO participating insurers as measured by Statutory Page 14 Written Premium for the year ending 12/31/2018 is:

Statewide - Other Liability (ASLOB 17.0)	33.8%
Multistate - Products Liability (ASLOB 18.0)	39.4%

COMPANY
DECISION

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

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

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UTAH
PRIOR REVISIONS

The latest implemented revisions in this state are:

Document: GL-2019-BGL1

<u>Coverage</u>	<u>Effective Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		- 5.9%	- 5.9%	- 5.9%
OL&T		+ 2.8%	+ 2.8%	+ 2.8%
Prem/Ops Combined		- 2.3%	- 2.3%	- 2.3%
Products		- 9.5%	- 9.5%	- 9.5%
Local Products/Completed Ops		+ 3.6%	+ 3.6%	+ 3.6%
Products/Completed Ops Combined		+ 0.2%	+ 0.2%	+ 0.2%
General Liability Overall	3/1/2020	- 1.8%	- 1.8%	- 1.8%

Document: GL-2018-BGL1

<u>Coverage</u>	<u>Effective Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		- 0.5%	0.0%	0.0%
OL&T		- 0.6%	0.0%	0.0%
Prem/Ops Combined		- 0.5%	0.0%	0.0%
Products		- 16.3%	- 16.3%	- 16.3%
Local Products/Completed Ops		- 9.7%	- 9.7%	- 9.7%
Products/Completed Ops Combined		- 11.7%	- 11.7%	- 11.7%
General Liability Overall	3/1/2019	- 3.4%	- 3.0%	- 3.0%

Document: GL-2016-BGL1

<u>Coverage</u>	<u>Effective Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		+ 0.2%	+ 0.2%	+ 0.2%
OL&T		- 10.3%	- 10.3%	- 10.3%
Prem/Ops Combined		- 4.9%	- 4.9%	- 4.9%
Products		- 4.4%	- 4.4%	- 4.4%
Local Products/Completed Ops		- 1.0%	- 1.0%	- 1.0%
Products/Completed Ops Combined		- 1.9%	- 1.9%	- 1.9%
General Liability Overall	3/1/2017	- 4.1%	- 4.1%	- 4.1%

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PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
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UTAH

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)	- 1.5%	+ 2.6%	+ 0.3%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	- 1.1%	+ 5.5%	+ 1.8%	+ 2.4%*	+ 12.6%**	+ 10.6%	+ 3.8%
Statewide Selected Monoline Loss Cost Level Change	- 1.1%	+ 5.5%	+ 1.8%	+ 2.4%*	+ 12.6%	+ 10.6%	+ 3.8%
Adjusted Monoline Loss Cost Level Change (See Sections C and H) @	- 1.1%	+ 4.4%	+ 1.3%	+ 2.4%	+ 12.6%	+ 10.6%	+ 3.4%

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

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

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

UTAH

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

<u>CODE</u>	<u>TERRITORY DESCRIPTION</u>	<u>LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT LEVEL (ALCCL)</u>	<u>INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING</u>	<u>LOSS COST LEVEL CHANGE AFTER CAPPING</u>	<u>ADJUSTED LOSS COST LEVEL CHANGE</u>
001	Entire State	\$ 6,854,281	+ 5.5%	+ 5.5%	+ 4.4%
	STATEWIDE TOTAL	\$ 6,854,281	+ 5.5%	+ 5.5%	+ 4.4%

UTAH
PREMISES/OPERATIONS
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MONO/MULTI <u>ALCCL</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
30	SERVICE	\$ 651,594	- 2.4%	- 3.4%
31	LIGHT CONTRACTING	979,655	+ 1.1%	0.0%
32	MEDIUM CONTRACTING	3,537,389	+ 0.9%	- 0.1%
33	HEAVY CONTRACTING	1,179,281	- 1.0%	- 1.9%
34	DEALERS OR DISTRIBUTORS	570,875	- 3.3%	- 1.0%
35	LIGHT MANUFACTURERS	68,769	- 1.2%	+ 2.2%
36	MEDIUM MANUFACTURERS	775,654	- 5.6%	- 2.8%
37	HEAVY MANUFACTURERS	525,447	- 6.4%	- 4.1%
38	MISCELLANEOUS OPERATIONS	493,130	- 3.2%	- 0.7%
	TOTAL	\$ 8,781,794	- 1.1%	- 1.1%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MONO/MULTI <u>ALCCL</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
01	FOOD AND BEVERAGE (RETAIL)	\$ 845,616	+ 5.2%	+ 5.2%
02	RESTAURANTS	735,681	+ 5.8%	+ 5.8%
03	STORES	501,912	+ 8.4%	+ 8.2%
04	VENDING AND RENTAL	20,232	+ 7.2%	+ 6.7%
05	FOOD AND BEVERAGE DISTRIBUTORS	81,004	+ 2.7%	+ 2.3%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	176,946	+ 2.4%	+ 3.2%
07	CLUBS, AMUSEMENTS AND SPORTS	469,872	+ 7.8%	+ 7.8%
08	HEALTH CARE FACILITIES	14,014	+ 5.3%	+ 4.3%
09	HOTELS AND MOTELS	955,433	+ 10.7%	+ 10.5%
10	SCHOOLS AND CHURCHES	200,626	+ 9.8%	+ 9.7%
11	APARTMENTS	432,412	+ 5.7%	+ 5.7%
12	BUILDINGS AND OFFICES	2,307,584	+ 2.4%	+2.3% @
13	MISCELLANEOUS PREMISES	97,804	+ 7.4%	+ 7.4%
16	GOVERNMENTAL SUBDIVISIONS	15,145	+ 6.2%	+ 6.0%
	TOTAL	\$ 6,854,281	+ 5.5%	+ 5.5%

@ The COVID-19 related adjustments are applied to the rounded loss costs after capping and then rounded using CGL rounding rules. The class group 12 adjusted loss cost level change is -1.2% resulting in an overall OL&T indication of +4.4%.

UTAH

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	\$ 25,805,900	- 5.9%	\$ 133,072	- 6.1%	- 6.1%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	34,950,355	+ 4.3%	382,161	+ 3.6%	+ 3.6%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,162,520	+ 1.2%	52,813	+ 3.0%	+ 3.0%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	33,323,523	- 0.5%	310,979	+ 4.4%	+ 4.4%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	8,272,287	+ 0.2%	25,131	+ 3.2%	+ 3.2%
	PRODUCTS SUBTOTAL	\$ 107,514,585	- 0.1%	\$ 904,156	+ 2.4%	+ 2.4%
01	RETAIL STORES-FOOD OR DRUG			\$ 79,273	+ 9.6%	+ 9.6%
02	RETAIL STORES-NOT FOOD OR DRUG			129,999	+ 16.9%	+ 16.9%
11	COMPLETED OPERATIONS-LOW			209,783	+ 23.0%	+ 21.5%
12	COMPLETED OPERATIONS-MEDIUM			2,965,099	+ 12.4%	+ 12.4%
13	COMPLETED OPERATIONS-HIGH			289,121	+ 6.5%	+ 6.6%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 3,673,275	+ 12.6%	+ 12.6%
	TOTAL			\$ 4,577,431	+ 10.6%	+ 10.6%

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

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

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

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

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

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

A current base loss cost (CBLC) by class group and territory is calculated. This is equal to Loss Costs at Current Level summarized over all classes in the class group divided by adjusted monoline/multiline exposures (exposure times class differential summed over all classes in the class group). This calculation is done separately for each territory.

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

- A proposed base loss cost (PBLC) is calculated by multiplying the CBLC by the class group relative change, the territory relative change and the overall change.

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

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

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

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

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

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

- M&C classes reflect an upper cap of +25% and a lower cap of -21% relative to current loss costs;
- OL&T classes reflect an upper cap of +31% and a lower cap of -20% relative to current loss costs;
The COVID-19 related adjustment factors were applied to the capped and rounded loss costs reflecting the selected loss cost level change.
Loss costs reflecting the COVID-19 related adjustments are not subject to capping and are rounded using the rules listed below.
- Products classes reflect an upper cap of +25% and a lower cap of -20% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +38% and a lower cap of -20% relative to current loss costs.

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

M&C: 0.990

OL&T: 1.000

LP/CO: 1.001

The Commercial General Liability loss costs are rounded as follows:

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

for example:

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

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

STATE: 43 - UTAH
 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	001	0.104	0.101	3.0	10160	001	2.390	2.220	7.7	11208	001	1.070	1.070	0.0
10015	001	7.060	6.560	7.6	10204	001	0.242	0.224	8.0	11209	001	5.010	5.040	-0.6
10026	001	0.700	0.650	7.7	10205	001	0.270	0.250	8.0	11210	001	2.130	2.150	-0.9
10036	001	0.480	0.490	-2.0	10220	001	5.080	4.700	8.1	11211	001	11.100	11.200	-0.9
10040	001	0.079	0.077	2.6	10255	001	0.180	0.181	-0.6	11212	001	1.680	1.690	-0.6
10042	001	0.400	0.370	8.1	10256	001	0.660	0.660	0.0	11213	001	1.370	1.380	-0.7
10052	001	4.880	4.530	7.7	10257	001	0.124	0.125	-0.8	11214	001	3.370	3.390	-0.6
10054	001	4.330	4.020	7.7	10309	001	0.174	0.161	8.1	11222	001	0.057	0.057	0.0
10060	001	0.191	0.177	7.9	10315	001	0.410	0.380	7.9	11234	001	0.300	0.280	7.1
10065	001	0.290	0.270	7.4	10331	001	9.580	8.890	7.8	11248	001	0.034	0.034	0.0
10066	001	0.290	0.270	7.4	10332	001	16.500	15.300	7.8	11258	001	1.160	1.100	5.5
10070	001	0.060	0.058	3.4	10352	001	0.560	0.530	5.7	11259	001	1.240	1.180	5.1
10071	001	0.340	0.320	6.3	10367	001	2.850	2.870	-0.7	11273	001	15.000	13.900	7.9
10072	001	3.230	3.250	-0.6	10368	001	4.170	4.200	-0.7	11274	001	14.400	13.400	7.5
10073	001	0.750	0.760	-1.3	10378	001	9.700	9.000	7.8	11288	001	1.420	1.350	5.2
10075	001	5.600	5.650	-0.9	10379	001	4.500	4.180	7.7	12014	001	0.074	0.074	0.0
10100	001	0.960	0.910	5.5	10380	001	7.690	7.130	7.9	12356	001	1.280	1.180	8.5
10101	001	0.260	0.239	8.8	10381	001	6.660	6.180	7.8	12361	001	0.080	0.078	2.6
10105	001	2.800	2.590	8.1	11007	001	1.210	1.220	-0.8	12362	001	0.066	0.064	3.1
10107	001	2.310	2.330	-0.9	11020	001	0.330	0.300	10.0	12373	001	0.025	0.024	4.2
10110	001	24.000	22.300	7.6	11039	001	0.660	0.660	0.0	12374	001	0.660	0.610	8.2
10111	001	0.130	0.126	3.2	11052	001	2.670	2.500	6.8	12375	001	0.330	0.300	10.0
10113	001	0.390	0.360	8.3	11126	001	0.067	0.062	8.1	12391	001	0.049	0.048	2.1
10115	001	0.770	0.710	8.5	11127	001	0.330	0.320	3.1	12393	001	0.430	0.400	7.5
10117	001	7.010	6.510	7.7	11128	001	0.450	0.430	4.7	12467	001	0.180	0.166	8.4
10120	001	15.700	14.600	7.5	11138	001	2.390	2.220	7.7	12509	001	0.045	0.045	0.0
10130	001	3.820	3.530	8.2	11155	001	0.230	0.213	8.0	12510	001	0.570	0.570	0.0
10132	001	3.290	3.040	8.2	11167	001	0.620	0.580	6.9	12583	001	0.250	0.260	-3.8
10133	001	2.570	2.410	6.6	11168	001	3.190	2.990	6.7	12651	001	0.740	0.750	-1.3
10140	001	0.037	0.036	2.8	11201	001	10.600	10.700	-0.9	12683	001	0.340	0.340	0.0
10141	001	0.074	0.072	2.8	11202	001	3.140	3.160	-0.6	12707	001	0.430	0.420	2.4
10145	001	0.350	0.350	0.0	11203	001	0.770	0.750	2.7	12797	001	0.090	0.088	2.3
10146	001	0.430	0.410	4.9	11204	001	0.340	0.310	9.7	12805	001	0.350	0.320	9.4
10150	001	0.530	0.490	8.2	11206	001	0.490	0.500	-2.0	12841	001	0.580	0.540	7.4
10151	001	13.400	12.400	8.1	11207	001	6.220	6.270	-0.8	12927	001	0.101	0.094	7.4

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
13049	001	0.042	0.041	2.4	14734	001	0.290	0.270	7.4	16604	001	0.151	0.152	-0.7
13111	001	1.070	1.020	4.9	14855	001	0.158	0.160	-1.3	16670	001	3.970	3.690	7.6
13112	001	0.068	0.067	1.5	14913	001	0.360	0.330	9.1	16676	001	0.320	0.300	6.7
13201	001	0.650	0.660	-1.5	15062	001	0.142	0.143	-0.7	16694	001	0.300	0.300	0.0
13204	001	0.740	0.750	-1.3	15063	001	0.165	0.167	-1.2	16705	001	0.209	0.203	3.0
13205	001	0.280	0.290	-3.4	15070	001	0.096	0.096	0.0	16750	001	0.112	0.104	7.7
13314	001	0.129	0.120	7.5	15123	001	2.560	2.400	6.7	16751	001	0.112	0.104	7.7
13351	001	0.310	0.290	6.9	15124	001	0.900	0.840	7.1	16819	001	0.860	0.870	-1.1
13352	001	0.320	0.300	6.7	15188	001	0.250	0.250	0.0	16820	001	0.660	0.670	-1.5
13410	001	1.030	1.040	-1.0	15223	001	0.053	0.052	1.9	16881	001	1.760	1.630	8.0
13412	001	0.350	0.350	0.0	15224	001	0.520	0.500	4.0	16890	001	0.101	0.102	-1.0
13453	001	0.400	0.410	-2.4	15314	001	0.230	0.213	8.0	16891	001	0.110	0.111	-0.9
13454	001	0.470	0.480	-2.1	15404	001	0.065	0.065	0.0	16892	001	0.199	0.201	-1.0
13455	001	0.480	0.480	0.0	15405	001	0.095	0.096	-1.0	16900	001	2.350	2.220	5.9
13506	001	0.990	0.920	7.6	15406	001	0.242	0.245	-1.2	16901	001	1.500	1.420	5.6
13507	001	1.190	1.100	8.2	15488	001	0.610	0.610	0.0	16902	001	1.280	1.210	5.8
13590	001	0.360	0.360	0.0	15538	001	0.410	0.380	7.9	16905	001	2.470	2.330	6.0
13621	001	0.090	0.091	-1.1	15600	001	1.030	0.960	7.3	16906	001	1.580	1.490	6.0
13670	001	0.045	0.044	2.3	15607	001	0.125	0.126	-0.8	16910	001	1.410	1.330	6.0
13673	001	0.880	0.830	6.0	15608	001	0.230	0.213	8.0	16911	001	1.280	1.210	5.8
13715	001	0.066	0.064	3.1	15656	001	6.810	6.300	8.1	16915	001	1.440	1.360	5.9
13716	001	0.490	0.450	8.9	15699	001	0.310	0.310	0.0	16916	001	1.200	1.140	5.3
13720	001	0.490	0.470	4.3	15733	001	0.158	0.160	-1.3	16920	001	3.200	3.020	6.0
13759	001	0.191	0.177	7.9	15839	001	0.310	0.290	6.9	16921	001	2.920	2.760	5.8
13930	001	0.140	0.135	3.7	15991	001	0.250	0.234	6.8	16930	001	1.840	1.740	5.7
14068	001	0.042	0.039	7.7	15993	001	0.214	0.198	8.1	16931	001	1.990	1.880	5.9
14101	001	0.490	0.460	6.5	16005	001	0.035	0.034	2.9	16940	001	4.000	3.770	6.1
14279	001	0.340	0.350	-2.9	16009	001	0.194	0.196	-1.0	16941	001	1.600	1.510	6.0
14401	001	1.170	1.110	5.4	16402	001	1.530	1.420	7.7	18078	001	0.119	0.115	3.5
14405	001	0.710	0.720	-1.4	16403	001	0.970	0.890	9.0	18109	001	0.420	0.390	7.7
14527	001	0.270	0.260	3.8	16404	001	1.220	1.130	8.0	18110	001	0.340	0.310	9.7
14655	001	0.096	0.088	9.1	16471	001	0.176	0.178	-1.1	18205	001	0.183	0.177	3.4
14731	001	2.650	2.480	6.9	16501	001	0.073	0.071	2.8	18206	001	0.550	0.500	10.0
14732	001	0.196	0.184	6.5	16527	001	0.113	0.109	3.7	18335	001	0.390	0.360	8.3
14733	001	0.670	0.620	8.1	16588	001	0.090	0.091	-1.1	18435	001	1.020	0.970	5.2

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
18436	001	0.820	0.780	5.1	41604	001	7.300	6.660	9.6	44070	001	3.620	3.360	7.7
18437	001	0.560	0.520	7.7	41620	001	0.890	0.900	-1.1	44071	001	4.020	3.730	7.8
18438	001	1.080	1.000	8.0	41650	001	18.700	17.100	9.4	44072	001	2.780	2.580	7.8
18501	001	0.930	0.890	4.5	41664	001	33.300	30.900	7.8	44100	001	10.000	9.420	6.2
18506	001	0.320	0.320	0.0	41665	001	3.900	3.620	7.7	44101	001	10.400	9.810	6.0
18507	001	0.202	0.187	8.0	41667	001	91.100	84.500	7.8	44102	001	8.130	7.650	6.3
18570	001	2.110	1.960	7.7	41668	001	85.400	79.300	7.7	44103	001	7.190	6.770	6.2
18616	001	0.241	0.243	-0.8	41669	001	0.600	0.560	7.1	44104	001	3.020	2.840	6.3
18707	001	0.010	0.010	0.0	41670	001	1.010	0.930	8.6	44108	001	3.540	3.340	6.0
18708	001	0.124	0.114	8.8	41677	001	0.184	0.185	-0.5	44109	001	8.960	8.440	6.2
18833	001	0.117	0.114	2.6	41678	001	50.100	48.900	2.5	44110	001	9.170	8.630	6.3
18834	001	0.320	0.300	6.7	41680	001	9.730	8.870	9.7	44111	001	5.630	5.300	6.2
18911	001	1.010	0.940	7.4	41696	001	0.580	0.590	-1.7	44112	001	3.330	3.140	6.1
18912	001	1.900	1.760	8.0	41697	001	0.400	0.410	-2.4	44276	001	51.700	48.200	7.3
18920	001	0.490	0.460	6.5	41715	001	6.180	5.630	9.8	44277	001	33.500	31.300	7.0
19007	001	1.000	0.940	6.4	41716	001	3.930	3.580	9.8	44280	001	0.184	0.185	-0.5
19051	001	2.220	2.080	6.7	43151	001	10.100	9.440	7.0	44311	001	7.370	6.840	7.7
19795	001	0.330	0.310	6.5	43152	001	15.000	14.600	2.7	44315	001	4.960	4.600	7.8
19796	001	0.390	0.360	8.3	43200	001	38.500	35.900	7.2	44427	001	27.100	25.900	4.6
40045	001	220.000	204.000	7.8	43421	001	10.600	9.840	7.7	44428	001	27.200	26.100	4.2
40046	001	43.500	40.400	7.7	43422	001	55.400	51.700	7.2	44429	001	0.410	0.390	5.1
40047	001	15.500	14.400	7.6	43470	001	3.380	3.410	-0.9	44430	001	0.280	0.270	3.7
40059	001	5.550	5.160	7.6	43518	001	14.300	13.300	7.5	44431	001	0.910	0.870	4.6
40061	001	2.940	2.730	7.7	43550	001	37.600	35.100	7.1	44432	001	0.290	0.280	3.6
40063	001	98.500	91.500	7.7	43551	001	20.900	19.500	7.2	44433	001	9.150	8.770	4.3
40064	001	29.000	26.900	7.8	43626	001	11.400	10.600	7.5	44434	001	17.500	16.800	4.2
40075	001	20.300	19.000	6.8	43628	001	148.000	138.000	7.2	44435	001	18.100	17.400	4.0
40101	001	7.490	7.180	4.3	43629	001	126.000	117.000	7.7	44436	001	21.200	20.300	4.4
40102	001	6.620	6.340	4.4	43760	001	4.190	3.890	7.7	44437	001	17.500	16.800	4.2
40111	001	7.800	7.240	7.7	43822	001	2.690	2.710	-0.7	44438	001	13.900	13.300	4.5
41001	001	0.260	0.244	6.6	43840	001	0.033	0.033	0.0	44439	001	27.000	25.900	4.2
41421	001	0.280	0.260	7.7	43860	001	2.120	2.130	-0.5	44440	001	22.300	21.400	4.2
41422	001	0.150	0.137	9.5	43889	001	0.760	0.760	0.0	45190	001	1.590	1.440	10.4
41510	001	50.900	47.100	8.1	44009	001	3.130	2.930	6.8	45191	001	1.130	1.020	10.8
41603	001	13.300	12.100	9.9	44069	001	12.200	11.300	8.0	45192	001	1.320	1.200	10.0

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
45193	001	0.780	0.710	9.9	47475	001	2.810	2.560	9.8	50017	001	0.106	0.109	-2.8
45210	001	0.990	0.890	11.2	47476	001	2.810	2.560	9.8	50045	001	0.242	0.250	-3.2
45334	001	22.200	20.700	7.2	47477	001	3.740	3.410	9.7	50047	001	0.027	0.028	-3.6
45380	001	0.185	0.187	-1.1	47478	001	3.930	3.580	9.8	51001	001	0.049	0.051	-3.9
45450	001	6.530	6.090	7.2	48039	001	27.300	25.500	7.1	51005	001	0.010	0.010	0.0
45678	001	0.198	0.200	-1.0	48206	001	30.200	28.000	7.9	51116	001	0.123	0.129	-4.7
45771	001	0.280	0.280	0.0	48441	001	0.127	0.118	7.6	51201	001	0.037	0.038	-2.6
45819	001	0.092	0.092	0.0	48557	001	12.700	11.800	7.6	51205	001	0.112	0.115	-2.6
45900	001	0.118	0.109	8.3	48558	001	11.000	10.200	7.8	51206	001	0.017	0.018	-5.6
45901	001	0.101	0.094	7.4	48600	001	51.100	49.900	2.4	51210	001	0.085	0.089	-4.5
45937	001	0.087	0.081	7.4	48636	001	1.420	1.490	-4.7	51220	001	0.290	0.310	-6.5
46004	001	17.800	16.200	9.9	48637	001	9.700	9.000	7.8	51221	001	0.163	0.170	-4.1
46005	001	14.200	13.000	9.2	48638	001	4.810	4.470	7.6	51222	001	0.198	0.207	-4.3
46112	001	0.029	0.028	3.6	48808	001	1.740	1.610	8.1	51224	001	0.207	0.217	-4.6
46202	001	2.020	1.830	10.4	48925	001	232.000	215.000	7.9	51230	001	0.035	0.037	-5.4
46362	001	175.000	171.000	2.3	49005	001	0.125	0.126	-0.8	51240	001	0.440	0.450	-2.2
46426	001	25.500	25.000	2.0	49111	001	2.660	2.470	7.7	51241	001	1.310	1.350	-3.0
46427	001	34.100	33.300	2.4	49181	001	8.920	8.320	7.2	51250	001	0.225	0.235	-4.3
46603	001	2.140	2.090	2.4	49183	001	10.900	10.100	7.9	51251	001	0.038	0.039	-2.6
46604	001	2.470	2.410	2.5	49184	001	23.000	21.400	7.5	51252	001	0.133	0.137	-2.9
46606	001	6.590	6.440	2.3	49185	001	20.900	19.500	7.2	51253	001	0.113	0.117	-3.4
46607	001	9.060	8.850	2.4	49239	001	0.138	0.140	-1.4	51254	001	0.035	0.036	-2.8
46622	001	7.860	7.920	-0.8	49292	001	0.650	0.610	6.6	51255	001	0.570	0.600	-5.0
46700	001	77.500	72.300	7.2	49333	001	4.790	4.470	7.2	51300	001	0.099	0.097	2.1
46911	001	22.600	21.000	7.6	49617	001	0.211	0.198	6.6	51305	001	0.099	0.097	2.1
46912	001	41.400	38.400	7.8	49618	001	0.177	0.166	6.6	51315	001	0.090	0.091	-1.1
47050	001	0.730	0.740	-1.4	49619	001	0.330	0.310	6.5	51330	001	0.087	0.091	-4.4
47221	001	85.000	79.300	7.2	49763	001	2.160	2.030	6.4	51333	001	0.028	0.030	-6.7
47318	001	9.290	8.620	7.8	49801	001	74.800	69.800	7.2	51340	001	0.036	0.037	-2.7
47367	001	0.184	0.185	-0.5	49802	001	6.640	6.190	7.3	51350	001	0.166	0.163	1.8
47420	001	2.030	1.890	7.4	49803	001	11.700	11.000	6.4	51351	001	0.149	0.146	2.1
47469	001	2.810	2.560	9.8	49840	001	0.760	0.760	0.0	51352	001	0.204	0.200	2.0
47471	001	2.430	2.220	9.5	49870	001	97.000	90.000	7.8	51355	001	0.139	0.136	2.2
47473	001	3.180	2.900	9.7	50010	001	0.214	0.221	-3.2	51356	001	0.150	0.147	2.0
47474	001	3.560	3.240	9.9	50015	001	0.139	0.143	-2.8	51357	001	0.128	0.129	-0.8

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
51358	001	0.310	0.310	0.0	51853	001	0.134	0.140	-4.3	52341	001	0.041	0.043	-4.7
51359	001	0.270	0.270	0.0	51854	001	0.300	0.310	-3.2	52342	001	0.118	0.123	-4.1
51370	001	0.430	0.440	-2.3	51855	001	0.320	0.330	-3.0	52343	001	0.072	0.075	-4.0
51380	001	0.043	0.044	-2.3	51856	001	0.173	0.181	-4.4	52401	001	0.222	0.232	-4.3
51400	001	0.203	0.213	-4.7	51857	001	0.300	0.310	-3.2	52402	001	0.020	0.021	-4.8
51401	001	0.300	0.310	-3.2	51869	001	0.098	0.101	-3.0	52432	001	0.099	0.102	-2.9
51500	001	0.081	0.084	-3.6	51877	001	0.550	0.570	-3.5	52433	001	0.091	0.093	-2.2
51516	001	0.055	0.056	-1.8	51889	001	0.091	0.094	-3.2	52435	001	0.114	0.117	-2.6
51517	001	0.062	0.063	-1.6	51896	001	0.043	0.044	-2.3	52438	001	0.082	0.085	-3.5
51550	001	0.101	0.103	-1.9	51900	001	0.080	0.079	1.3	52440	001	0.129	0.133	-3.0
51551	001	0.035	0.036	-2.8	51909	001	0.190	0.198	-4.0	52467	001	0.119	0.123	-3.3
51552	001	0.060	0.062	-3.2	51919	001	0.092	0.095	-3.2	52469	001	0.042	0.043	-2.3
51553	001	0.108	0.111	-2.7	51926	001	0.094	0.096	-2.1	52505	001	0.208	0.214	-2.8
51554	001	0.010	0.011	-9.1	51927	001	0.051	0.052	-1.9	52547	001	0.192	0.201	-4.5
51575	001	0.044	0.044	0.0	51934	001	0.103	0.106	-2.8	52581	001	1.010	1.040	-2.9
51576	001	0.193	0.199	-3.0	51941	001	0.093	0.096	-3.1	52619	001	0.071	0.073	-2.7
51600	001	0.132	0.136	-2.9	51942	001	0.149	0.153	-2.6	52660	001	0.065	0.066	-1.5
51613	001	0.087	0.089	-2.2	51956	001	0.400	0.410	-2.4	52744	001	0.410	0.400	2.5
51625	001	0.045	0.047	-4.3	51957	001	0.350	0.370	-5.4	52767	001	0.176	0.184	-4.3
51666	001	0.070	0.069	1.4	51958	001	0.320	0.320	0.0	52911	001	0.057	0.058	-1.7
51702	001	0.134	0.140	-4.3	51959	001	0.320	0.330	-3.0	52967	001	0.021	0.022	-4.5
51703	001	0.056	0.058	-3.4	51960	001	0.043	0.044	-2.3	53001	001	0.208	0.214	-2.8
51734	001	0.104	0.109	-4.6	51970	001	0.185	0.191	-3.1	53077	001	0.100	0.103	-2.9
51741	001	0.229	0.236	-3.0	51982	001	0.055	0.056	-1.8	53095	001	0.069	0.071	-2.8
51752	001	0.193	0.199	-3.0	51985	001	0.051	0.052	-1.9	53096	001	0.095	0.098	-3.1
51767	001	0.021	0.020	5.0	51986	001	0.214	0.221	-3.2	53121	001	0.270	0.280	-3.6
51777	001	0.072	0.070	2.9	51999	001	0.090	0.093	-3.2	53147	001	0.030	0.031	-3.2
51790	001	0.119	0.117	1.7	52002	001	0.079	0.082	-3.7	53229	001	0.167	0.174	-4.0
51796	001	0.083	0.086	-3.5	52075	001	0.165	0.173	-4.6	53271	001	0.051	0.053	-3.8
51808	001	0.300	0.310	-3.2	52076	001	0.199	0.208	-4.3	53333	001	0.164	0.171	-4.1
51809	001	0.370	0.380	-2.6	52109	001	0.020	0.021	-4.8	53374	001	0.108	0.106	1.9
51833	001	0.107	0.105	1.9	52134	001	0.270	0.270	0.0	53375	001	0.057	0.056	1.8
51850	001	0.210	0.220	-4.5	52137	001	0.065	0.068	-4.4	53376	001	0.092	0.090	2.2
51851	001	0.142	0.149	-4.7	52150	001	0.490	0.500	-2.0	53377	001	0.094	0.093	1.1
51852	001	0.330	0.350	-5.7	52315	001	0.093	0.092	1.1	53403	001	0.060	0.059	1.7

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53425	001	0.154	0.162	-4.9	56202	001	0.076	0.078	-2.6	57146	001	0.157	0.164	-4.3
53565	001	0.069	0.068	1.5	56390	001	0.132	0.136	-2.9	57202	001	0.094	0.096	-2.1
53631	001	0.032	0.032	0.0	56391	001	0.114	0.117	-2.6	57257	001	0.116	0.120	-3.3
53632	001	0.036	0.037	-2.7	56427	001	0.183	0.189	-3.2	57401	001	0.066	0.068	-2.9
53731	001	0.033	0.034	-2.9	56488	001	0.119	0.117	1.7	57403	001	0.146	0.144	1.4
53732	001	0.227	0.233	-2.6	56567	001	0.157	0.164	-4.3	57410	001	0.032	0.033	-3.0
53733	001	0.147	0.152	-3.3	56650	001	0.480	0.500	-4.0	57411	001	0.038	0.040	-5.0
53734	001	0.330	0.330	0.0	56651	001	0.260	0.270	-3.7	57572	001	0.019	0.019	0.0
53803	001	0.370	0.390	-5.1	56652	001	0.187	0.196	-4.6	57600	001	0.056	0.057	-1.8
53907	001	0.100	0.103	-2.9	56653	001	0.180	0.188	-4.3	57611	001	0.081	0.085	-4.7
54012	001	0.033	0.033	0.0	56654	001	0.092	0.096	-4.2	57625	001	0.490	0.510	-3.9
54077	001	0.136	0.140	-2.9	56690	001	0.062	0.061	1.6	57651	001	0.060	0.061	-1.6
55010	001	0.410	0.420	-2.4	56699	001	0.084	0.087	-3.4	57690	001	0.106	0.111	-4.5
55011	001	0.111	0.114	-2.6	56758	001	0.072	0.074	-2.7	57716	001	0.050	0.052	-3.8
55012	001	0.132	0.136	-2.9	56759	001	0.073	0.075	-2.7	57725	001	0.110	0.115	-4.3
55013	001	0.140	0.146	-4.1	56760	001	0.105	0.108	-2.8	57726	001	0.085	0.089	-4.5
55214	001	0.107	0.111	-3.6	56805	001	0.138	0.143	-3.5	57798	001	0.030	0.031	-3.2
55371	001	0.280	0.270	3.7	56806	001	0.098	0.101	-3.0	57800	001	0.113	0.116	-2.6
55426	001	0.169	0.177	-4.5	56807	001	0.097	0.100	-3.0	57808	001	0.042	0.044	-4.5
55597	001	0.027	0.028	-3.6	56808	001	0.127	0.131	-3.1	57809	001	0.043	0.045	-4.4
55647	001	0.054	0.055	-1.8	56900	001	0.122	0.125	-2.4	57810	001	0.042	0.044	-4.5
55648	001	0.024	0.025	-4.0	56910	001	0.061	0.063	-3.2	57871	001	0.050	0.052	-3.8
55649	001	0.029	0.030	-3.3	56911	001	0.135	0.142	-4.9	57913	001	0.146	0.150	-2.7
55715	001	0.213	0.219	-2.7	56912	001	0.110	0.115	-4.3	57997	001	0.073	0.074	-1.4
55716	001	0.310	0.320	-3.1	56913	001	0.089	0.094	-5.3	57998	001	0.065	0.067	-3.0
55717	001	0.224	0.234	-4.3	56915	001	0.530	0.550	-3.6	57999	001	0.069	0.072	-4.2
55718	001	0.217	0.227	-4.4	56916	001	0.480	0.500	-4.0	58009	001	0.069	0.072	-4.2
55802	001	0.072	0.070	2.9	56917	001	0.138	0.145	-4.8	58010	001	0.150	0.155	-3.2
55918	001	0.122	0.125	-2.4	56918	001	0.066	0.069	-4.3	58020	001	0.157	0.154	1.9
55919	001	0.017	0.017	0.0	56919	001	0.169	0.177	-4.5	58056	001	0.179	0.185	-3.2
56040	001	0.011	0.012	-8.3	56920	001	0.154	0.162	-4.9	58057	001	0.113	0.116	-2.6
56041	001	0.076	0.078	-2.6	56980	001	0.106	0.109	-2.8	58058	001	0.101	0.104	-2.9
56042	001	0.095	0.098	-3.1	57001	001	0.036	0.037	-2.7	58095	001	0.143	0.147	-2.7
56170	001	0.152	0.159	-4.4	57002	001	0.023	0.024	-4.2	58096	001	0.190	0.195	-2.6
56171	001	0.075	0.078	-3.8	57090	001	0.248	0.260	-4.6	58301	001	0.053	0.055	-3.6

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58302	001	0.051	0.053	-3.8	59223	001	0.158	0.166	-4.8	59892	001	0.104	0.109	-4.6
58397	001	0.300	0.310	-3.2	59257	001	0.020	0.021	-4.8	59904	001	0.070	0.074	-5.4
58408	001	0.043	0.044	-2.3	59306	001	0.128	0.132	-3.0	59905	001	0.101	0.103	-1.9
58409	001	0.055	0.056	-1.8	59378	001	0.103	0.108	-4.6	59914	001	0.590	0.610	-3.3
58456	001	0.029	0.030	-3.3	59481	001	0.340	0.350	-2.9	59915	001	0.234	0.245	-4.5
58457	001	0.043	0.043	0.0	59482	001	0.330	0.320	3.1	59917	001	0.043	0.045	-4.4
58458	001	0.055	0.056	-1.8	59537	001	0.111	0.116	-4.3	59923	001	0.014	0.015	-6.7
58459	001	0.066	0.067	-1.5	59601	001	0.130	0.134	-3.0	59925	001	0.280	0.280	0.0
58503	001	0.079	0.082	-3.7	59647	001	0.145	0.143	1.4	59926	001	0.235	0.238	-1.3
58532	001	0.102	0.105	-2.9	59660	001	0.239	0.246	-2.8	59927	001	0.158	0.160	-1.3
58559	001	0.021	0.021	0.0	59661	001	0.117	0.121	-3.3	59931	001	0.270	0.270	0.0
58560	001	0.050	0.052	-3.8	59693	001	0.020	0.020	0.0	59932	001	0.290	0.290	0.0
58575	001	0.065	0.067	-3.0	59701	001	0.009	0.010	-10.0	59941	001	0.089	0.092	-3.3
58627	001	0.208	0.214	-2.8	59713	001	0.214	0.220	-2.7	59947	001	0.070	0.074	-5.4
58663	001	0.350	0.360	-2.8	59722	001	0.111	0.114	-2.6	59955	001	0.034	0.035	-2.9
58682	001	0.185	0.190	-2.6	59723	001	0.042	0.043	-2.3	59963	001	0.250	0.260	-3.8
58713	001	0.046	0.045	2.2	59724	001	0.064	0.066	-3.0	59964	001	0.590	0.610	-3.3
58737	001	0.134	0.138	-2.9	59725	001	0.080	0.082	-2.4	59970	001	0.095	0.099	-4.0
58756	001	0.065	0.068	-4.4	59726	001	0.058	0.060	-3.3	59973	001	0.164	0.168	-2.4
58757	001	0.450	0.470	-4.3	59738	001	0.185	0.190	-2.6	59975	001	0.133	0.139	-4.3
58759	001	0.056	0.057	-1.8	59750	001	0.083	0.086	-3.5	59977	001	0.076	0.079	-3.8
58802	001	0.063	0.065	-3.1	59751	001	0.030	0.031	-3.2	59984	001	0.045	0.046	-2.2
58813	001	0.160	0.167	-4.2	59773	001	0.018	0.018	0.0	59985	001	0.175	0.180	-2.8
58822	001	0.175	0.180	-2.8	59774	001	0.015	0.015	0.0	59986	001	0.134	0.138	-2.9
58837	001	0.320	0.340	-5.9	59775	001	0.020	0.019	5.3	59988	001	0.034	0.035	-2.9
58840	001	0.096	0.101	-5.0	59781	001	0.072	0.075	-4.0	59989	001	0.023	0.024	-4.2
58873	001	0.153	0.160	-4.4	59782	001	0.107	0.112	-4.5	60010	001	14.300	13.500	5.9
58903	001	0.040	0.041	-2.4	59783	001	0.104	0.109	-4.6	60011	001	16.400	15.600	5.1
58904	001	0.031	0.032	-3.1	59784	001	0.080	0.084	-4.8	60012	001	27.000	25.600	5.5
58922	001	0.250	0.270	-7.4	59790	001	0.143	0.147	-2.7	60013	001	23.100	21.900	5.5
59005	001	0.076	0.078	-2.6	59798	001	0.270	0.280	-3.6	60015	001	17.300	16.400	5.5
59057	001	0.560	0.580	-3.4	59806	001	0.195	0.204	-4.4	60016	001	19.400	18.400	5.4
59058	001	0.360	0.370	-2.7	59867	001	0.161	0.165	-2.4	60035	001	30.600	29.900	2.3
59188	001	0.310	0.310	0.0	59886	001	0.022	0.022	0.0	61000	001	14.100	13.400	5.2
59189	001	0.430	0.420	2.4	59889	001	0.061	0.060	1.7	61212	001	15.700	16.100	-2.5

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61216	001	17.400	17.900	-2.8	67635	001	24.700	24.100	2.5	91343	001	1.080	1.080	0.0
61217	001	15.800	16.300	-3.1	68001	001	75.400	73.700	2.3	91405	001	6.380	6.370	0.2
61218	001	10.800	11.100	-2.7	68439	001	97.000	94.800	2.3	91436	001	5.520	5.530	-0.2
61223	001	76.800	75.000	2.4	68500	001	3.140	2.980	5.4	91481	001	20.100	20.200	-0.5
61224	001	24.500	26.600	-7.9	68604	001	1.810	1.770	2.3	91507	001	2.970	2.970	0.0
61225	001	33.900	36.900	-8.1	68606	001	7.080	6.920	2.3	91523	001	45.800	45.800	0.0
61226	001	57.100	58.800	-2.9	68607	001	5.600	5.470	2.4	91547	001	0.260	0.260	0.0
61227	001	52.300	53.800	-2.8	68702	001	4.610	4.510	2.2	91551	001	1.610	1.620	-0.6
62000	001	11.900	12.200	-2.5	68703	001	3.460	3.380	2.4	91555	001	1.460	1.520	-3.9
62001	001	9.390	9.180	2.3	68706	001	14.800	14.500	2.1	91560	001	4.850	4.940	-1.8
62002	001	4.280	4.190	2.1	68707	001	14.700	14.300	2.8	91562	001	3.590	3.600	-0.3
62003	001	13.500	13.200	2.3	90089	001	4.670	4.680	-0.2	91577	001	12.900	12.900	0.0
63010	001	25.700	24.400	5.3	91111	001	3.130	3.240	-3.4	91580	001	6.400	6.530	-2.0
63011	001	32.100	30.400	5.6	91125	001	2.810	2.820	-0.4	91590	001	3.730	3.740	-0.3
63012	001	45.700	43.300	5.5	91127	001	2.110	2.180	-3.2	91606	001	13.300	13.500	-1.5
63013	001	43.300	41.000	5.6	91130	001	1.360	1.380	-1.4	91629	001	2.710	2.770	-2.2
63215	001	44.600	43.600	2.3	91135	001	0.380	0.390	-2.6	91636	001	4.650	4.750	-2.1
63216	001	31.000	30.300	2.3	91150	001	1.990	2.060	-3.4	91641	001	1.260	1.290	-2.3
63217	001	44.200	41.000	7.8	91155	001	4.420	4.580	-3.5	91666	001	1.010	1.010	0.0
63218	001	14.900	13.800	8.0	91160	001	1.130	1.130	0.0	91722	001	4.070	4.150	-1.9
64074	001	11.200	10.200	9.8	91175	001	0.970	0.970	0.0	91746	001	3.590	3.600	-0.3
64075	001	7.900	7.160	10.3	91177	001	4.250	4.260	-0.2	91805	001	0.226	0.226	0.0
65007	001	27.200	26.600	2.3	91179	001	4.270	4.280	-0.2	92053	001	0.560	0.560	0.0
66122	001	11.700	11.400	2.6	91190	001	2.290	2.290	0.0	92054	001	0.191	0.191	0.0
66123	001	6.420	6.280	2.2	91200	001	0.780	0.790	-1.3	92055	001	5.330	5.340	-0.2
66309	001	18.800	18.400	2.2	91235	001	2.430	2.520	-3.6	92101	001	8.330	8.340	-0.1
66561	001	43.500	42.500	2.4	91250	001	3.660	3.790	-3.4	92102	001	5.020	5.020	0.0
67017	001	40.400	39.400	2.5	91265	001	16.600	16.900	-1.8	92215	001	3.490	3.610	-3.3
67508	001	22.500	20.500	9.8	91266	001	8.770	8.950	-2.0	92338	001	1.930	1.930	0.0
67509	001	16.500	15.000	10.0	91302	001	12.400	12.400	0.0	92445	001	2.670	2.720	-1.8
67510	001	9.170	8.360	9.7	91315	001	3.760	3.760	0.0	92446	001	6.330	6.350	-0.3
67511	001	9.920	9.050	9.6	91324	001	8.380	8.380	0.0	92447	001	5.540	5.550	-0.2
67512	001	42.500	38.700	9.8	91340	001	5.470	5.470	0.0	92451	001	2.430	2.520	-3.6
67513	001	26.900	24.600	9.3	91341	001	4.880	4.890	-0.2	92453	001	3.510	3.510	0.0
67634	001	34.900	34.100	2.3	91342	001	5.020	5.020	0.0	92478	001	1.740	1.740	0.0

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
92593	001	31.900	33.000	-3.3	97050	001	2.960	2.960	0.0	98308	001	1.230	1.230	0.0
92663	001	0.630	0.640	-1.6	97111	001	5.730	5.740	-0.2	98309	001	5.820	5.930	-1.9
94007	001	11.900	11.900	0.0	97220	001	0.360	0.370	-2.7	98344	001	0.850	0.850	0.0
94099	001	2.710	2.710	0.0	97222	001	1.610	1.670	-3.6	98405	001	1.410	1.400	0.7
94225	001	9.530	9.540	-0.1	97223	001	2.430	2.520	-3.6	98413	001	15.600	15.600	0.0
94276	001	4.960	4.970	-0.2	97308	001	0.680	0.690	-1.4	98414	001	14.300	14.300	0.0
94304	001	3.110	3.210	-3.1	97447	001	2.230	2.270	-1.8	98415	001	1.870	1.880	-0.5
94381	001	5.830	6.030	-3.3	97650	001	3.960	3.960	0.0	98423	001	4.460	4.470	-0.2
94404	001	4.700	4.710	-0.2	97651	001	6.590	6.720	-1.9	98424	001	7.570	7.580	-0.1
94569	001	3.180	3.180	0.0	97652	001	5.720	5.830	-1.9	98425	001	3.110	3.110	0.0
94590	001	13.700	13.700	0.0	97653	001	3.380	3.390	-0.3	98426	001	2.740	2.750	-0.4
94617	001	4.320	4.330	-0.2	97654	001	5.900	5.910	-0.2	98427	001	2.670	2.680	-0.4
95124	001	1.600	1.600	0.0	97655	001	5.090	5.190	-1.9	98429	001	1.210	1.240	-2.4
95233	001	3.420	3.420	0.0	98002	001	0.920	0.940	-2.1	98449	001	3.840	3.840	0.0
95305	001	3.710	3.720	-0.3	98003	001	1.060	1.060	0.0	98482	001	4.110	4.120	-0.2
95306	001	5.330	5.440	-2.0	98090	001	0.142	0.143	-0.7	98483	001	6.070	6.080	-0.2
95310	001	8.870	8.880	-0.1	98091	001	0.154	0.155	-0.6	98502	001	5.810	5.820	-0.2
95357	001	1.360	1.380	-1.4	98092	001	0.470	0.470	0.0	98555	001	2.710	2.710	0.0
95410	001	4.790	4.800	-0.2	98111	001	0.620	0.640	-3.1	98597	001	0.610	0.610	0.0
95455	001	5.620	5.730	-1.9	98152	001	3.100	3.160	-1.9	98598	001	0.208	0.209	-0.5
95487	001	2.570	2.570	0.0	98153	001	3.490	3.560	-2.0	98601	001	6.960	6.970	-0.1
95505	001	2.620	2.670	-1.9	98154	001	4.120	4.200	-1.9	98624	001	1.090	1.100	-0.9
95620	001	2.080	2.090	-0.5	98155	001	5.770	5.880	-1.9	98636	001	2.990	3.090	-3.2
95625	001	5.920	5.920	0.0	98157	001	3.680	3.760	-2.1	98640	001	120.000	120.000	0.0
95647	001	2.930	3.030	-3.3	98159	001	2.470	2.520	-2.0	98658	001	5.960	6.080	-2.0
96053	001	2.230	2.300	-3.0	98160	001	5.240	5.340	-1.9	98659	001	1.070	1.090	-1.8
96317	001	1.410	1.430	-1.4	98161	001	5.870	5.980	-1.8	98677	001	18.900	18.900	0.0
96408	001	4.150	4.150	0.0	98163	001	6.160	6.280	-1.9	98678	001	16.800	16.800	0.0
96409	001	3.840	3.840	0.0	98164	001	2.050	2.120	-3.3	98699	001	5.470	5.480	-0.2
96410	001	3.370	3.370	0.0	98257	001	1.600	1.600	0.0	98705	001	8.440	8.600	-1.9
96611	001	1.250	1.250	0.0	98303	001	11.600	11.800	-1.7	98710	001	3.800	3.810	-0.3
96702	001	4.770	4.780	-0.2	98304	001	5.920	5.930	-0.2	98751	001	4.510	4.600	-2.0
96816	001	4.480	4.490	-0.2	98305	001	3.060	3.060	0.0	98805	001	4.960	4.970	-0.2
96872	001	4.990	5.090	-2.0	98306	001	7.880	7.880	0.0	98806	001	2.780	2.880	-3.5
97047	001	3.810	3.810	0.0	98307	001	1.870	1.880	-0.5	98810	001	4.320	4.320	0.0

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98813	001	4.170	4.160	0.2	99746	001	2.590	2.590	0.0					
98820	001	9.480	9.490	-0.1	99760	001	0.300	0.300	0.0					
98884	001	2.460	2.470	-0.4	99777	001	7.480	7.480	0.0					
98914	001	0.730	0.740	-1.4	99793	001	3.280	3.290	-0.3					
98949	001	1.020	1.040	-1.9	99826	001	0.850	0.850	0.0					
98967	001	3.870	3.880	-0.3	99827	001	0.470	0.470	0.0					
98993	001	5.710	5.910	-3.4	99851	001	1.910	1.910	0.0					
99003	001	1.840	1.840	0.0	99917	001	3.090	3.090	0.0					
99004	001	3.460	3.460	0.0	99938	001	3.470	3.480	-0.3					
99080	001	1.300	1.300	0.0	99943	001	10.100	10.100	0.0					
99111	001	1.890	1.890	0.0	99946	001	7.500	7.510	-0.1					
99163	001	4.510	4.520	-0.2	99948	001	6.880	7.120	-3.4					
99165	001	0.990	0.990	0.0	99952	001	6.320	6.320	0.0					
99220	001	1.600	1.630	-1.8	99953	001	6.830	6.820	0.1					
99222	001	3.010	3.070	-2.0	99954	001	4.970	4.970	0.0					
99223	001	0.280	0.280	0.0	99955	001	6.220	6.220	0.0					
99303	001	15.100	15.200	-0.7	99963	001	0.750	0.750	0.0					
99310	001	3.780	3.790	-0.3	99969	001	2.910	2.970	-2.0					
99315	001	11.100	11.100	0.0	99975	001	5.520	5.520	0.0					
99321	001	10.800	10.800	0.0	99988	001	2.570	2.620	-1.9					
99471	001	0.730	0.740	-1.4										
99505	001	4.830	5.000	-3.4										
99506	001	5.950	6.150	-3.3										
99507	001	5.190	5.370	-3.4										
99570	001	2.780	2.880	-3.5										
99571	001	0.670	0.700	-4.3										
99572	001	1.320	1.360	-2.9										
99573	001	1.260	1.300	-3.1										
99600	001	1.510	1.510	0.0										
99613	001	9.560	9.580	-0.2										
99614	001	3.360	3.360	0.0										
99620	001	0.520	0.520	0.0										
99650	001	1.320	1.360	-2.9										
99709	001	3.250	3.360	-3.3										
99718	001	1.530	1.530	0.0										

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LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	0.195	0.184	6.0	11259	0.164	0.168	-2.4	13759	0.135	0.136	-0.7
10026	0.022	0.022	0.0	11288	0.119	0.111	7.2	13930	0.201	0.211	-4.7
10040	0.300	0.280	7.1	12014	0.039	0.039	0.0	14068	0.014	0.015	-6.7
10042	0.280	0.241	16.2	12356	0.037	0.034	8.8	14101	0.046	0.041	12.2
10060	0.091	0.090	1.1	12361	0.077	0.082	-6.1	14279	0.046	0.043	7.0
10065	0.029	0.026	11.5	12373	0.024	0.025	-4.0	14401	0.106	0.098	8.2
10066	0.058	0.057	1.8	12374	0.112	0.105	6.7	14527	0.189	0.181	4.4
10070	0.154	0.141	9.2	12375	0.045	0.042	7.1	14855	0.154	0.162	-4.9
10071	0.094	0.084	11.9	12391	0.082	0.091	-9.9	14913	0.144	0.126	14.3
10073	0.810	0.680	19.1	12509	0.036	0.038	-5.3	15223	0.041	0.033	24.2 U
10075	0.161	0.152	5.9	12510	0.030	0.030	0.0	15224	0.083	0.081	2.5
10100	0.071	0.064	10.9	12651	0.530	0.490	8.2	15406	0.048	0.044	9.1
10101	0.181	0.166	9.0	12707	0.640	0.650	-1.5	15538	0.022	0.022	0.0
10107	0.237	0.192	23.4	12797	0.196	0.169	16.0	15600	0.084	0.081	3.7
10111	0.078	0.083	-6.0	12805	0.087	0.080	8.7	15608	0.011	0.011	0.0
10115	0.094	0.091	3.3	13049	0.057	0.054	5.6	15733	0.037	0.038	-2.6
10140	0.021	0.021	0.0	13111	0.093	0.097	-4.1	15839	0.027	0.025	8.0
10141	0.023	0.024	-4.2	13112	0.063	0.069	-8.7	15991	0.078	0.075	4.0
10145	0.014	0.014	0.0	13201	0.160	0.167	-4.2	15993	0.043	0.041	4.9
10146	0.025	0.024	4.2	13204	1.450	1.400	3.6	16005	0.034	0.034	0.0
10255	0.147	0.131	12.2	13205	0.460	0.430	7.0	16009	0.094	0.079	19.0
10256	0.152	0.147	3.4	13314	0.016	0.017	-5.9	16403	0.150	0.114	31.6
10257	0.169	0.167	1.2	13351	0.039	0.031	25.8	16527	0.350	0.360	-2.8
10309	0.019	0.019	0.0	13352	0.045	0.044	2.3	16604	0.146	0.147	-0.7
10352	0.085	0.084	1.2	13410	2.990	2.440	22.5	16676	0.015	0.015	0.0
11020	0.120	0.113	6.2	13412	1.140	1.010	12.9	16705	0.148	0.152	-2.6
11039	0.089	0.082	8.5	13506	0.066	0.065	1.5	16750	0.032	0.031	3.2
11126	0.022	0.020	10.0	13507	0.126	0.131	-3.8	16900	0.125	0.109	14.7
11127	0.011	0.010	10.0	13590	0.740	0.740	0.0	16901	0.180	0.166	8.4
11128	0.066	0.061	8.2	13621	0.320	0.360	-11.1	16902	0.141	0.140	0.7
11203	0.520	0.540	-3.7	13670	0.015	0.013	15.4	16905	0.125	0.109	14.7
11204	1.580	1.570	0.6	13673	0.017	0.014	21.4	16906	0.180	0.166	8.4
11234	0.067	0.066	1.5	13715	0.165	0.154	7.1	16910	0.114	0.106	7.5
11248	0.018	0.019	-5.3	13716	0.093	0.092	1.1	16911	0.079	0.072	9.7
11258	0.176	0.178	-1.1	13720	0.078	0.076	2.6	16915	0.091	0.086	5.8

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16916	0.078	0.073	6.8	51116	0.690	0.570	21.1	51666	0.101	0.103	-1.9
16920	0.193	0.172	12.2	51205	0.071	0.083	-14.5	51734	0.310	0.310	0.0
16921	0.086	0.088	-2.3	51206	0.390	0.450	-13.3	51741	0.260	0.250	4.0
16930	0.260	0.206	26.2	51220	2.280	2.580	-11.6	51752	0.165	0.159	3.8
16931	0.131	0.104	26.0	51221	1.780	1.940	-8.2	51767	0.008	0.009	-11.1
16940	0.086	0.088	-2.3	51222	3.670	3.120	17.6	51777	0.078	0.076	2.6
16941	0.159	0.157	1.3	51224	1.450	1.330	9.0	51808	0.730	0.730	0.0
18078	0.118	0.131	-9.9	51230	0.790	0.790	0.0	51809	0.153	0.158	-3.2
18109	0.038	0.037	2.7	51240	0.185	0.182	1.6	51833	0.060	0.072	-16.7
18110	0.044	0.039	12.8	51241	0.260	0.300	-13.3	51869	0.136	0.140	-2.9
18205	0.350	0.310	12.9	51252	0.100	0.101	-1.0	51877	0.212	0.220	-3.6
18206	0.119	0.100	19.0	51254	0.039	0.045	-13.3	51889	0.012	0.014	-14.3
18335	0.017	0.017	0.0	51300	0.160	0.173	-7.5	51896	0.018	0.020	-10.0
18435	0.084	0.071	18.3	51305	0.960	1.030	-6.8	51900	0.095	0.093	2.2
18436	0.225	0.236	-4.7	51315	0.106	0.106	0.0	51909	0.056	0.057	-1.8
18501	0.014	0.014	0.0	51330	0.530	0.430	23.3 U	51926	0.038	0.040	-5.0
18506	0.007	0.007	0.0	51333	0.340	0.310	9.7	51927	0.131	0.115	13.9
18507	0.007	0.007	0.0	51350	0.135	0.142	-4.9	51934	0.125	0.142	-12.0
18616	0.590	0.540	9.3	51351	0.042	0.045	-6.7	51941	0.041	0.039	5.1
18707	0.004	0.003	33.3 N	51352	0.108	0.114	-5.3	51956	0.221	0.246	-10.2
18708	0.019	0.014	35.7 U	51355	0.094	0.096	-2.1	51957	0.420	0.400	5.0
18834	0.105	0.104	1.0	51356	0.620	0.690	-10.1	51958	0.410	0.390	5.1
18911	0.020	0.019	5.3	51357	0.660	0.530	24.5 U	51960	0.350	0.360	-2.8
18912	0.033	0.030	10.0	51358	0.141	0.149	-5.4	51970	0.238	0.250	-4.8
18920	0.022	0.021	4.8	51359	0.780	0.840	-7.1	51982	0.083	0.085	-2.4
45771	0.164	0.176	-6.8	51370	4.570	5.000	-8.6	51986	0.103	0.107	-3.7
45819	0.065	0.061	6.6	51380	0.044	0.050	-12.0	51999	0.440	0.460	-4.3
45900	0.090	0.102	-11.8	51500	0.119	0.109	9.2	52002	0.129	0.118	9.3
45901	0.049	0.047	4.3	51550	0.390	0.360	8.3	52075	0.243	0.250	-2.8
49239	0.600	0.650	-7.7	51551	0.910	0.920	-1.1	52134	0.630	0.700	-10.0
49617	0.190	0.159	19.5	51552	0.159	0.159	0.0	52315	0.260	0.240	8.3
49618	0.055	0.045	22.2	51575	0.020	0.020	0.0	52433	1.020	1.200	-15.0
49619	0.098	0.089	10.1	51576	0.093	0.075	24.0 U	52469	0.104	0.109	-4.6
50010	0.490	0.580	-15.5	51600	0.191	0.198	-3.5	52505	0.216	0.203	6.4
51001	0.450	0.460	-2.2	51613	0.139	0.138	0.7	52547	0.078	0.088	-11.4

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E - SUBJECT TO CAPPING EXCEPTION

STATE: 43 - UTAH

SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
52581	2.950	3.680	-19.8 L	56391	0.320	0.320	0.0	58397	0.740	0.830	-10.8
52744	0.081	0.094	-13.8	56427	0.125	0.125	0.0	58503	0.076	0.061	24.6 U
52911	0.450	0.520	-13.5	56488	0.034	0.034	0.0	58575	0.120	0.123	-2.4
52967	0.062	0.064	-3.1	56690	0.350	0.360	-2.8	58627	0.013	0.016	-18.8
53001	0.330	0.330	0.0	56699	0.057	0.051	11.8	58663	1.280	1.590	-19.5 L
53077	0.207	0.197	5.1	56758	0.148	0.155	-4.5	58737	0.630	0.740	-14.9
53121	0.440	0.460	-4.3	56759	0.080	0.093	-14.0	58802	0.480	0.450	6.7
53333	0.239	0.213	12.2	56760	0.098	0.106	-7.5	58837	0.162	0.165	-1.8
53374	0.310	0.380	-18.4	56912	0.090	0.084	7.1	58840	0.127	0.111	14.4
53375	0.223	0.250	-10.8	56916	0.205	0.187	9.6	58873	0.030	0.030	0.0
53376	0.194	0.187	3.7	57001	0.028	0.021	33.3	58904	0.128	0.131	-2.3
53377	0.195	0.211	-7.6	57002	0.106	0.110	-3.6	58922	0.168	0.187	-10.2
53565	0.108	0.124	-12.9	57090	0.660	0.630	4.8	59005	0.096	0.096	0.0
53631	0.022	0.022	0.0	57146	0.720	0.670	7.5	59188	0.055	0.056	-1.8
53632	0.034	0.035	-2.9	57257	0.035	0.036	-2.8	59189	0.300	0.300	0.0
53732	0.450	0.460	-2.2	57401	0.096	0.098	-2.0	59223	0.088	0.077	14.3
53733	0.270	0.260	3.8	57403	0.035	0.036	-2.8	59257	0.013	0.015	-13.3
53907	0.103	0.111	-7.2	57410	0.162	0.130	24.6 U	59378	0.150	0.152	-1.3
54077	0.400	0.370	8.1	57572	0.108	0.094	14.9	59481	0.099	0.088	12.5
55010	1.080	1.100	-1.8	57600	0.034	0.033	3.0	59537	0.210	0.168	25.0 U
55011	1.570	1.260	24.6 U	57611	0.062	0.064	-3.1	59601	2.370	2.310	2.6
55012	1.180	1.170	0.9	57651	0.041	0.043	-4.7	59647	0.170	0.176	-3.4
55013	1.140	0.990	15.2	57690	0.490	0.510	-3.9	59660	1.180	1.140	3.5
55214	0.088	0.089	-1.1	57716	0.082	0.087	-5.7	59701	0.290	0.244	18.9
55371	0.119	0.130	-8.5	57725	0.088	0.091	-3.3	59713	0.310	0.330	-6.1
55597	1.790	1.780	0.6	57726	0.021	0.019	10.5	59722	0.031	0.032	-3.1
55647	0.062	0.056	10.7	57810	0.107	0.109	-1.8	59723	0.037	0.038	-2.6
55715	0.224	0.234	-4.3	57871	0.118	0.116	1.7	59724	0.019	0.022	-13.6
55716	0.520	0.520	0.0	57913	0.290	0.310	-6.5	59725	0.116	0.104	11.5
55802	0.009	0.009	0.0	57998	0.058	0.059	-1.7	59726	0.024	0.024	0.0
55918	2.740	3.190	-14.1	57999	0.071	0.071	0.0	59738	0.064	0.066	-3.0
55919	3.650	3.640	0.3	58095	1.990	1.830	8.7	59750	0.222	0.240	-7.5
56040	0.033	0.040	-17.5	58096	1.230	1.040	18.3	59773	0.028	0.028	0.0
56202	0.089	0.100	-11.0	58301	0.088	0.082	7.3	59774	0.150	0.152	-1.3
56390	0.640	0.630	1.6	58302	0.055	0.055	0.0	59775	0.188	0.189	-0.5

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STATE: 43 - UTAH

SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
59781	0.068	0.076	-10.5	91341	4.670	3.850	21.3	96409	7.850	7.800	0.6
59782	0.460	0.490	-6.1	91342	3.400	3.280	3.7	96410	8.890	7.910	12.4
59798	0.500	0.460	8.7	91343	1.330	1.120	18.7	96611	1.220	1.170	4.3
59886	0.108	0.112	-3.6	91436	2.310	2.040	13.2	97221	1.050	0.870	20.7
59889	0.165	0.153	7.8	91507	3.040	2.870	5.9	97222	1.630	1.720	-5.2
59904	0.061	0.066	-7.6	91551	0.560	0.460	21.7	97223	4.090	3.150	29.8
59905	0.132	0.130	1.5	91555	1.270	1.180	7.6	97447	4.140	3.230	28.2
59914	0.680	0.620	9.7	91560	4.300	4.240	1.4	97650	3.830	3.400	12.6
59915	0.750	0.780	-3.8	91577	3.140	2.540	23.6	97651	3.450	3.160	9.2
59917	0.205	0.165	24.2	91746	5.870	4.910	19.6	97652	4.320	3.840	12.5
59923	0.004	0.005	-20.0	92053	0.670	0.580	15.5	97653	2.080	1.780	16.9
59925	1.190	1.090	9.2	92054	0.300	0.310	-3.2	97654	3.090	2.800	10.4
59926	0.450	0.420	7.1	92055	0.280	0.290	-3.4	97655	4.880	4.220	15.6
59927	1.420	1.560	-9.0	92101	3.030	2.520	20.2	98002	1.240	1.160	6.9
59931	0.550	0.590	-6.8	92102	3.110	2.390	30.1	98152	0.450	0.330	36.4 U
59932	0.880	0.930	-5.4	92215	2.680	2.520	6.3	98157	0.500	0.430	16.3
59947	0.320	0.330	-3.0	92338	2.090	1.600	30.6	98163	0.244	0.260	-6.2
59955	0.143	0.147	-2.7	92446	1.500	1.460	2.7	98164	0.083	0.091	-8.8
59963	0.410	0.450	-8.9	92447	1.660	1.470	12.9	98303	6.630	6.810	-2.6
59964	0.069	0.061	13.1	92451	1.980	1.720	15.1	98304	3.190	2.920	9.2
59970	0.183	0.182	0.5	92478	1.480	1.420	4.2	98305	1.720	1.360	26.5
59975	0.227	0.243	-6.6	94007	6.100	5.510	10.7	98306	1.040	0.960	8.3
59984	0.053	0.055	-3.6	94276	4.450	4.080	9.1	98307	0.540	0.540	0.0
59988	0.059	0.060	-1.7	94381	11.800	10.800	9.3	98308	0.840	0.610	37.7 U
59989	0.044	0.045	-2.2	94404	4.910	4.910	0.0	98309	2.310	2.390	-3.3
91111	6.830	6.390	6.9	94569	3.410	2.810	21.4	98344	0.550	0.440	25.0
91125	2.130	2.320	-8.2	95124	0.980	0.760	28.9	98449	19.400	16.500	17.6
91127	1.530	1.560	-1.9	95310	1.030	1.280	-19.5	98482	5.320	4.720	12.7
91150	5.170	4.450	16.2	95410	2.920	2.790	4.7	98483	16.000	13.700	16.8
91155	32.500	26.300	23.6	95455	0.930	0.990	-6.1	98502	3.860	3.420	12.9
91235	2.130	1.880	13.3	95505	2.430	2.030	19.7	98636	3.310	3.310	0.0
91265	2.090	2.290	-8.7	95625	3.620	2.940	23.1	98659	0.480	0.510	-5.9
91266	1.060	0.810	30.9	95647	7.470	6.130	21.9	98677	8.560	7.850	9.0
91280	3.710	2.760	34.4	96053	4.010	3.490	14.9	98678	16.300	13.700	19.0
91340	7.850	7.460	5.2	96408	10.400	8.080	28.7	98805	1.680	1.400	20.0

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STATE: 43 - UTAH
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98806	3.570	3.090	15.5								
98813	1.680	1.880	-10.6								
98820	4.090	3.790	7.9								
98884	1.920	1.480	29.7								
98914	0.650	0.690	-5.8								
98949	0.370	0.400	-7.5								
98967	7.830	5.680	37.9 U								
98993	3.880	4.350	-10.8								
99003	1.410	1.260	11.9								
99004	1.730	1.620	6.8								
99080	6.030	6.260	-3.7								
99163	0.530	0.560	-5.4								
99315	1.880	1.380	36.2								
99321	2.010	1.930	4.1								
99613	2.160	2.000	8.0								
99650	0.990	0.850	16.5								
99746	2.840	2.470	15.0								
99803	11.100	9.280	19.6								
99826	0.650	0.520	25.0								
99827	0.630	0.630	0.0								
99946	2.550	2.590	-1.5								
99948	21.100	20.100	5.0								
99952	18.800	17.600	6.8								
99953	13.800	11.400	21.1								
99954	9.720	9.610	1.1								
99955	8.540	9.490	-10.0								
99969	2.750	2.400	14.6								

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

INTRODUCTION

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

STEP 1:
DETERMINATION
OF INDICATED
LOSS COST
LEVEL CHANGES

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

STEP 2:
DISTRIBUTION OF
BASIC LIMIT LOSS
COST LEVEL
INDICATION

For Owners, Landlords and Tenants and for Manufacturers and Contractors, ISO then distributes the statewide basic limit loss cost indication to the individual types of policy, territories and class groups using a minimum bias iterative procedure (territory is used for Owners, Landlords and Tenants only).

For Products and for Local Products/Completed Operations, the multistate basic limit loss cost indication is distributed to the individual types of policy and class groups, and additionally to state for Local Products/Completed Operations. For Local Products/Completed Operations, a multistate loss cost level review and Baileys relative change analysis are performed, calculated assuming approval of all filed loss cost changes from the previous review (as opposed to reflecting only the approvals that have been received at the time of this review). Then, for states which did not approve the loss cost change from the previous review, an "off-level" factor is applied to the statewide indication from the multistate analysis. This off-level factor is equal to the selected, unapproved change from the previous review.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 3:
APPLICATION OF
PERCENTAGE
CHANGES

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

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

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 1 - DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

OBJECTIVE	<p>The objective of this procedure is to determine the indicated loss cost level change. This procedure answers the question: What percentage changes must be made on average to the current ISO loss costs in order for them to be adequate to cover indemnity losses and all loss adjustment expenses incurred in the prospective period in which the revised loss costs will be used?</p>
DESCRIPTION	<p>This procedure compares the developed and trended incurred losses and loss adjustment expenses with the aggregate loss costs at current ISO loss cost level (see definition, below). This experience ratio (losses and all loss adjustment expenses divided by aggregate loss costs) is calculated for several years and a weighted average is calculated. The latest three accident years are weighted 20%-30%-50%, with the highest weight going to the most recent accident year.</p> <p>For Premises/Operations, in order to minimize the impact of random variation in the observed losses, the average experience ratio is then credibility-weighted with the expected experience ratio, which reflects trend and the relative adequacy of current loss costs. This credibility-weighted experience ratio is the indicated statewide advisory loss cost level change in decimal form.</p> <p>For Products/Completed Operations, the average experience ratio is the indicated multistate advisory loss cost level change, in decimal form. Products/Completed Operations data is assumed to be fully credible.</p>
EXPERIENCE BASE	<p>The experience used in this review is the latest available simplified data as reported under the ISO Commercial Statistical Plan. The data is aggregated on an accident year basis. The review is conducted on \$100,000 basic limit basis - indemnity losses are limited to \$100,000 per occurrence. Also, bodily injury and property damage deductible data is included. In addition, fringe losses (Coverage B) are included.</p>
AGGREGATE LOSS COSTS	<p>The aggregate loss costs at current ISO loss cost level are the loss-related revenue that would have been collected if the current ISO loss costs and deductible discounts were used during the experience period. They are calculated by extending the exposures at the current ISO loss costs. Where appropriate, certain reported data elements have been adjusted prior to being used in the calculations. The \$100,000 basic limit loss costs are used. Inflation-sensitive exposures are adjusted to a prospective level using exposure trend. Exposures are trended to one year beyond the assumed effective date. Accident year exposures are also developed to account for changes due to exposure audits.</p>

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

INCURRED
LOSSES
& LAE

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

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

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

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

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

EXPERIENCE
RATIO

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

EXPECTED
EXPERIENCE
RATIO

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

CREDIBILITY	For Premises/Operations, credibility is based upon the number of occurrences for all years in the experience period. Products/Completed Operations data is assumed to be fully credible. The procedure for assigning credibility is outlined in Credibility Standards in this section.
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CREDIBILITY- WEIGHTED EXPERIENCE RATIO	For Premises/Operations, the weighted experience ratio is credibility-weighted with the expected experience ratio defined above. The resulting credibility-weighted experience ratio, converted to a percentage, is the indicated change to the current monoline-multiline loss cost level.
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METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 2 - DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

PRODUCTS(Cont'd)

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

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

LOCAL PRODUCTS/
COMPLETED
OPERATIONS

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

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

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

EXPLANATORY NOTES TO DETERMINATION OF INDICATED
LOSS COST LEVEL CHANGE

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

The loss cost level indication is based upon a review of the latest three years of basic limit experience of companies reporting to Insurance Services Office, Inc. For Premises/Operations, data for accident years ending September 30, 2017, 2018 and 2019 are weighted 20%, 30% and 50% respectively. For Products/Completed Operations, multistate data for accident years ending December 31, 2016, 2017 and 2018 are weighted 20%, 30% and 50% respectively.

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

For detail on these adjustments see sections E, F, and G.

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

OBJECTIVES

The objectives of this procedure are to:

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

EXPERIENCE BASE

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

SIMULTANEOUS DETERMINATION OF RATING VARIABLE RELATIVE CHANGES

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

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

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

RATING VARIABLES USED

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE

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

For Owners, Landlords and Tenants:

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

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

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

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

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

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

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

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

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

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

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

n is the number of class groups in the analysis;

p is the number of territories in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Manufacturers and Contractors, and Products:

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

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

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

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

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

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

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

and j^{th} class group;

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

n is the number of class groups in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Local Products/Completed Operations:

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

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

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

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

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

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

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

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

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

n is the number of class groups in the analysis;

p is the number of states in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

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

APPLICATION OF CREDIBILITY

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

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

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

5 year occurrence total for a given class group, territory or type of policy. For Local Products/Completed Operations, separate formulas are used to calculate the credibility of the experience for each type of policy and class group versus

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

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

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

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

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

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

W is the credibility-weighted relative change.

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MULTILINE CONSIDERATIONS

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

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

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

MONOLINE INDICATIONS -- PREMISES/ OPERATIONS

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

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

Territory applies to Owners, Landlords and Tenants only.

MONOLINE INDICATIONS -- PRODUCTS

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MONOLINE INDICATIONS -- LOCAL PRODUCTS/ COMPLETED OPERATIONS

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

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

EXPLANATORY NOTES TO
IMPLICIT PACKAGE MODIFICATION FACTORS

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

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

EXPLANATION OF EXPOSURE DEVELOPMENT

IMPORTANCE OF APPLICATION

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

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

The earned exposures underlying the Premises/Operations statewide loss cost level indications are evaluated as of December 31, 2019. Products/Completed Operations data is evaluated as of March 31, 2019.

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

The immature experience reported as of 15 and 27 months for accident years ending 9/30/2019 and 9/30/2018 must be adjusted to an ultimate exposure development basis. This adjustment is accomplished through the use of an exposure development factor. Exposures are assumed to be mature at 39 months. Exposure development factors are based on experience evaluated as of September 30, 2019 for Premises/ Operations and March 31, 2019 for Products/Completed Operations.

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

EXPLANATION OF EXPOSURE DEVELOPMENT

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS (Cont'd)

Section E - Calculation of Exposure Development Factors displays the calculation of the credibility-weighted exposure development factors for Premises/Operations. State and multistate data are used in the calculation. Products exposure development is based on multistate data, as shown in Section F - Multistate Exposure Development. Section G - Calculation of Exposure Development Factors displays the calculation of the credibility-weighted exposure development factors for Local Products/Completed Operations. State and multistate data are used in the calculation.

EXPLANATION OF LOSS DEVELOPMENT

IMPORTANCE OF APPLICATION

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

APPLICATION OF LOSS DEVELOPMENT FACTORS

The incurred losses and allocated loss adjustment expenses underlying the Premises/Operations statewide loss cost level indications were evaluated as of December 31, 2019. Products/Completed Operations data is evaluated as of March 31, 2019.

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

The immature experience reported as of 15, 27 and 39 months for accident years ending 9/30/2019, 9/30/2018 and 9/30/2017 must be adjusted to an ultimate settlement basis. This adjustment is accomplished through the use of a loss development factor.

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

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

EXPLANATION OF LOSS DEVELOPMENT

APPLICATION OF LOSS DEVELOPMENT FACTORS (Cont'd)

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

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

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

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

Section E - Loss Development Data displays the calculation of the credibility-weighted loss development factors for Premises/Operations. State and multistate data are used.

The multistate Products loss development data is displayed in Section F - Loss Development Data.

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

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

OBJECTIVE

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

Traditional development procedures customarily used for losses apply a loss development factor to reported losses at various evaluation points. For example, a '15-month to ultimate' factor would be applied to the losses for accident year ended September 30, 2019 evaluated as of December 31, 2019. If an analogous procedure is used for ALAE, the variability of the experience can lead to unusually high (or low) estimates of ultimate ALAE.

INCREMENTAL ALAE PERCENTAGES

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

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

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

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

DESCRIPTION OF METHODOLOGY

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

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

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

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

APPLICATION

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

These calculations are shown in Section E - Loss Development.

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

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

EXPLANATION OF MODIFIED BONDY METHOD

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

Accident Year	171 to 183 Months	183 to 195 Months	195 to 207 Months	207 to 219 Months	219 to 231 Months	231 to 243 Months	243 Months To Ultimate
2000	A	G	L	P	S	U	Z*
2001	B	H	M	Q	T	Y*	
2002	C	I	N	R	X*	Y*	
2003	D	J	O	W*	X*	Y*	
2004	E	K	V*	W*	X*	Y*	
2005	F						
Best 3 out of 5#	BTOF1	BTOF2	BTOF3	BTOF4	BTOF5	BTOF6	

* Calculated using the Modified Bondy Procedure.

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

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

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

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

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

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

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

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

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

UNALLOCATED LOSS ADJUSTMENT FACTOR METHODOLOGY

BACKGROUND	Allocated loss adjustment expense is reported on a unit transaction basis with the loss records and is thus included with indemnity loss data. Since the prospective loss costs include all loss adjustment expenses, we must load for unallocated loss adjustment expense.
IMPORTANCE OF APPLICATION	The unallocated loss adjustment expense factor is necessary to account for loss adjustment expenses which cannot be allocated to a particular claim.
METHODOLOGY FOR LIABILITY COVERAGES	<p>Calculation of the unallocated loss adjustment expense factor is based on multistate data for ISO member and subscriber companies (see Multistate review of ULAE Experience in Sections E, F, and G). The adjustment is calculated by using unallocated expenses as a percent of losses and allocated expenses.</p> <p>Starting with the 2011 review, experience for CMP Liability has been included with the data used to select the ULAE factor.</p> <p>For this review the factor is 1.085.</p>

EXPLANATION OF TREND CALCULATION

EXPOSURE TREND

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

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

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

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

SEVERITY TREND

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

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

SEVERITY
TREND
(Cont'd)

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

FREQUENCY
TREND

The historical occurrence frequency data are displayed in the Trend Data exhibits in Sections E, F, and G. For Premises/Operations, these pages display the frequency data for CGL only for accident years ending 6/30/2006 - 6/30/2019. For Products/Completed Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2005 - 12/31/2018. The Premises/Operations experience includes occurrences arising from fringe coverages. In this review, multistate number of occurrences contained in the frequency trend exhibits are based on paid amounts developed to ultimate using paid development factors.

Historically, frequency trend for Premises/Operations and Products/Completed Operations has been quite volatile, often cyclical in nature. As a result, an exponential curve did not fit the data well over a long term. Given the frequency trend pattern, however, we are continuing to select a negative frequency trend for Owners, Landlords and Tenants, Products and Local Products/Completed Operations. For Manufacturers and Contractors, we have selected 0.0%. These selections are consistent with a measured approach toward frequency trend selections, which reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

CREDIBILITY STANDARDS

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

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

The rule for Owners, Landlords and Tenants is:

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

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

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

For Manufacturers and Contractors:

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

For Owners, Landlords and Tenants:

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

For Products:

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

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

CREDIBILITY STANDARDS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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CALCULATION OF INDICATIONS
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Determination of Indicated Loss Cost Level Change:

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
09/30/2017	\$8,304,457	\$7,590,633	0.20	0.914	249
09/30/2018	8,508,220	7,390,088	0.30	0.869	247
09/30/2019	8,821,306	7,823,173	0.50	0.887	226

(7)	WEIGHTED EXPERIENCE RATIO	0.887
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.034
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.33
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} }	0.985
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	- 1.5 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	- 1.1 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	- 1.1 %

(A) THESE ARE CALCULATED BY SUMMING OVER THE CLASSES THE PRODUCTS OF REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION 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 03/01/2021. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.034). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.034) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (03/01/2021) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (03/01/2022).

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
09/30/2017	\$6,339,419	\$5,726,008	0.20	0.903	285
09/30/2018	6,668,548	6,770,371	0.30	1.015	242
09/30/2019	6,842,623	7,227,439	0.50	1.056	266

(7)	WEIGHTED EXPERIENCE RATIO	1.013
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.033
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.36
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} }	1.026
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	+ 2.6 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	+ 5.5 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	+ 5.5 %
(14)	STATEWIDE ADJUSTED MONOLINE CHANGE@	+ 4.4 %

(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 03/01/2021. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.033). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.033) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (03/01/2021) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (03/01/2022).

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

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	MULTISTATE AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	MULTISTATE \$100,000 BASIC LIMITS INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2016	\$101,545,304	\$116,523,158	0.20	1.147	1,959
12/31/2017	105,720,327	115,874,882	0.30	1.096	1,826
12/31/2018	107,600,597	104,719,629	0.50	0.973	1,695
(7)	WEIGHTED EXPERIENCE RATIO				1.045
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7)-1.00}X 100%				+ 4.5 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)				- 0.1 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C)				+ 2.4 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE				+ 2.4 %
(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 07/01/2020.				
(C)	THE INDICATED STATEWIDE PRODUCTS CHANGE IS CALCULATED BY DETERMINING THE EFFECT, ON STATEWIDE LOSS COST LEVELS, OF IMPLEMENTING THE INDICATED MULTISTATE LOSS COSTS. THE DIFFERENCE BETWEEN THE INDICATED MULTISTATE CHANGE AND THE INDICATED STATEWIDE CHANGE IS A RESULT OF A DIFFERENCE IN THE DISTRIBUTION OF RISKS BY CLASS IN THIS JURISDICTION VERSUS THE MULTISTATE. (SEE SECTION A - PRODUCTS CLASS GROUP LOSS COST LEVEL CHANGE).				

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	MULTISTATE AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	MULTISTATE \$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2016	\$285,256,305	\$337,794,306	0.20	1.184	6,228
12/31/2017	297,708,481	323,082,763	0.30	1.085	5,614
12/31/2018	305,458,820	332,169,074	0.50	1.087	5,528

(7)	WEIGHTED EXPERIENCE RATIO.....	1.106
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7) - 1.00 } x 100%.....	+ 10.6 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....	+ 8.8 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (C) (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....	+ 12.6 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....	+ 12.6 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSE AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2020.

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

SECTION D

RELATIVE CHANGE ANALYSIS

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Manufacturers and Contractors

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UTAH
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 0.985 OR - 1.5%	
TOP						
10	1.052	0.154	1.008	1.004		
33	0.995	0.012	1.000	0.996		
34	0.828	0.045	0.992	0.988		
35	1.665	0.016	1.008	1.004		
36	0.950	0.086	0.996	0.992		
37	1.135	0.059	1.008	1.003		
38	1.008	0.170	1.001	0.997		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
30	0.888	0.072	0.991	0.987	-	2.4%
31	1.272	0.111	1.027	1.022	+	1.1%
32	1.154	0.173	1.025	1.020	+	0.9%
33	1.099	0.069	1.007	1.002	-	1.0%
34	0.803	0.078	0.983	0.978	-	3.3%
35	1.241	0.019	1.004	0.999	-	1.2%
36	0.421	0.048	0.959	0.955	-	5.6%
37	0.170	0.028	0.952	0.947	-	6.4%
38	0.784	0.066	0.984	0.979	-	3.2%
OVERALL MONOLINE INDICATION					-	1.1%

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

UTAH
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	30 SERVICE	\$221,738	\$1,041,443	0.333	0.387	19	0.990
	31 LIGHT CONTRACTING	347,513	1,466,785	1.111	1.292	56	1.026
	32 MEDIUM CONTRCTING	1,681,861	7,574,023	1.113	1.295	253	1.024
	33 HEAVY CONTRACTING	645,913	2,760,103	1.119	1.301	49	1.005
	34 DEALER OR DISTRIB	126,624	733,785	0.854	0.994	24	0.982
	35 LGT. MANUFACTURER	23,590	150,423	0.011	0.013	1	1.003
	36 MED. MANUFACTURER	252,195	1,034,931	0.310	0.361	7	0.958
	37 HVY. MANUFACTURER	234,001	1,143,988	0.109	0.127	3	0.951
	38 MISC. OPERATION	90,713	826,911	0.257	0.299	15	0.983
	TOTAL *	\$3,624,148	\$16,732,392	0.908		427	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$4,746	\$17,220	0.000	0.000	0	1.018
	32 MEDIUM CONTRCTING	672	3,712	0.000	0.000	0	1.016
	33 HEAVY CONTRACTING	28,966	141,179	0.412	0.479	1	0.998
	38 MISC. OPERATION	38,021	146,606	1.226	1.425	2	0.975
	TOTAL *	\$72,405	\$308,717	0.808		3	
34 MULT MERCANTILE	30 SERVICE	\$19,236	\$101,183	1.929	2.243	2	0.974
	32 MEDIUM CONTRCTING	25,174	105,524	0.000	0.000	0	1.007
	34 DEALER OR DISTRIB	230,048	1,018,211	0.474	0.551	24	0.966
	38 MISC. OPERATION	28,583	130,834	1.200	1.395	12	0.967
	TOTAL *	\$303,041	\$1,355,752	0.595		38	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$6,635	\$46,465	0.384	0.446	1	1.026
	32 MEDIUM CONTRCTING	20,758	54,217	2.110	2.454	4	1.024
	TOTAL *	\$27,393	\$100,682	1.692		5	
36 MULT SERVICES	30 SERVICE	\$16,133	\$94,604	2.038	2.370	13	0.978
	31 LIGHT CONTRACTING	67,428	411,625	0.746	0.868	10	1.014
	32 MEDIUM CONTRCTING	91,986	253,154	1.118	1.301	1	1.011
	33 HEAVY CONTRACTING	9,732	48,046	0.006	0.007	1	0.993
	34 DEALER OR DISTRIB	199,269	951,134	0.747	0.868	62	0.970
	36 MED. MANUFACTURER	5,183	26,802	0.000	0.000	0	0.947
	38 MISC. OPERATION	240,023	1,090,513	0.535	0.622	49	0.971
	TOTAL *	\$629,754	\$2,875,878	0.736		136	

UTAH
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	\$508	\$2,140	0.000	0.000	0	1.026
	32 MEDIUM CONTRCTING	64,832	294,521	1.385	1.611	8	1.024
	33 HEAVY CONTRACTING	65,816	533,529	0.034	0.040	1	1.005
	34 DEALER OR DISTRIB	14,934	61,650	0.000	0.000	0	0.982
	35 LGT. MANUFACTURER	45,179	258,461	1.792	2.084	6	1.003
	36 MED. MANUFACTURER	518,276	2,492,924	0.449	0.522	36	0.958
	37 HVY. MANUFACTURER	291,446	1,333,424	0.202	0.235	12	0.950
	38 MISC. OPERATION	8,684	33,447	1.624	1.889	1	0.983
	TOTAL *	\$1,009,675	\$5,010,096	0.474		64	
38 MULT CONTRACTORS	30 SERVICE	\$394,487	\$1,883,290	0.917	1.067	60	0.984
	31 LIGHT CONTRACTING	552,825	2,439,909	1.191	1.385	157	1.019
	32 MEDIUM CONTRCTING	1,652,106	8,012,005	0.917	1.066	273	1.017
	33 HEAVY CONTRACTING	428,854	1,930,241	0.980	1.140	35	0.999
	38 MISC. OPERATION	87,106	173,745	0.901	1.048	1	0.977
	TOTAL *	\$3,115,378	\$14,439,190	0.974		526	
TOTAL ALL TOP	30 SERVICE	\$651,594	\$3,120,520	0.776		94	
	31 LIGHT CONTRACTING	979,655	4,384,144	1.120		224	
	32 MEDIUM CONTRCTING	3,537,389	16,297,156	1.024		539	
	33 HEAVY CONTRACTING	1,179,281	5,413,098	0.982		87	
	34 DEALER OR DISTRIB	570,875	2,764,780	0.641		110	
	35 LGT. MANUFACTURER	68,769	408,884	1.181		7	
	36 MED. MANUFACTURER	775,654	3,554,657	0.401		43	
	37 HVY. MANUFACTURER	525,447	2,477,412	0.161		15	
	38 MISC. OPERATION	493,130	2,402,056	0.659		80	
	TOTAL *	\$8,781,794	\$40,822,707	0.860		1,199	

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

UTAH
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 1.026 OR + 2.6%	
TOP						
10	1.223	0.157	1.032	1.029		
31	0.954	0.097	0.995	0.993		
32	1.999	0.076	1.054	1.051		
33	0.854	0.091	0.986	0.983		
34	0.913	0.124	0.989	0.986		
35	0.724	0.060	0.981	0.978		
36	0.651	0.061	0.974	0.972		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
01	0.884	0.080	0.990	0.996	+	5.2%
02	0.953	0.082	0.996	1.002	+	5.8%
03	1.364	0.065	1.020	1.026	+	8.4%
04	2.191	0.012	1.009	1.015	+	7.2%
05	0.008	0.007	0.967	0.972	+	2.7%
06	0.344	0.034	0.964	0.970	+	2.4%
07	1.233	0.071	1.015	1.021	+	7.8%
08	0.535	0.014	0.991	0.997	+	5.3%
09	1.372	0.131	1.042	1.048	+	10.7%
10	1.758	0.058	1.033	1.039	+	9.8%
11	0.940	0.078	0.995	1.001	+	5.7%
12	0.764	0.137	0.964	0.969	+	2.4%
13	1.376	0.034	1.011	1.017	+	7.4%
16	0.000	0.000	1.000	1.006	+	6.2%

OVERALL MONOLINE INDICATION + 5.5%

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

UTAH
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$62,392	\$488,280	1.536	1.608	14	1.025
	02 RESTAURANTS	157,500	716,072	1.126	1.179	50	1.031
	03 STORES	97,756	696,739	0.983	1.029	17	1.057
	04 VENDING & RENTAL	3,514	39,800	0.000	0.000	0	1.045
	05 FOOD & BEV. DIST.	46,298	180,653	0.000	0.000	0	1.001
	06 NON-FOOD&BEV.DIST	33,549	260,574	0.160	0.167	6	0.999
	07 CLUBS, AMSMT&SPRTS	117,009	628,980	2.240	2.345	49	1.051
	08 HEALTH CARE FACIL	4,887	37,150	0.065	0.068	1	1.026
	09 HOTELS AND MOTELS	324,640	1,401,004	1.652	1.729	140	1.079
	10 SCHLS & CHURCHES	61,175	279,183	1.955	2.047	12	1.070
	11 APARTMENTS	210,790	923,852	0.776	0.813	22	1.030
	12 BUILDINGS&OFFICES	738,267	3,981,725	0.894	0.936	128	0.998
	13 MISC. PREMISES	37,858	264,363	1.839	1.925	8	1.047
	16 GOVT SUBDIVISIONS	146	768	0.000	0.000	0	1.035
	TOTAL *	\$1,895,781	\$9,899,143	1.153		447	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$611,908	\$2,775,694	1.250	1.309	171	1.041
	TOTAL *	\$611,908	\$2,775,694	1.250		171	
32 MULT APARTMENT	11 APARTMENTS	\$221,622	\$1,033,305	2.100	2.198	90	1.052
	12 BUILDINGS&OFFICES	112,552	429,299	0.858	0.898	15	1.019
	TOTAL *	\$334,174	\$1,462,604	1.682		105	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,222,865	\$5,664,101	0.633	0.663	149	0.953
	13 MISC. PREMISES	10,723	48,996	0.036	0.038	1	1.000
	TOTAL *	\$1,233,588	\$5,713,097	0.628		150	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$783,224	\$3,125,349	0.731	0.766	103	0.982
	02 RESTAURANTS	578,181	2,597,732	0.828	0.867	73	0.988
	03 STORES	331,514	1,598,729	1.134	1.187	47	1.012
	04 VENDING & RENTAL	2,149	4,270	0.410	0.429	1	1.001
	05 FOOD & BEV. DIST.	34,706	240,668	0.019	0.020	1	0.959
	06 NON-FOOD&BEV.DIST	143,397	787,572	0.356	0.373	15	0.957
	12 BUILDINGS&OFFICES	158,502	955,341	0.962	1.007	39	0.956
	TOTAL *	\$2,031,673	\$9,309,661	0.804		279	

UTAH
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$91,272	\$315,748	0.750	0.785	13	0.999
	08 HEALTH CARE FACIL	8,221	107,442	0.739	0.774	3	0.975
	10 SCHLS & CHURCHES	138,732	681,194	1.266	1.325	49	1.017
	12 BUILDINGS&OFFICES	783	3,390	0.000	0.000	0	0.948
	16 GOVT SUBDIVISIONS	14,999	89,687	0.000	0.000	0	0.984
	TOTAL *	\$254,007	\$1,197,461	0.985		65	
36 MULT SERVICES	03 STORES	\$72,642	\$326,309	1.926	2.017	14	0.997
	04 VENDING & RENTAL	14,569	54,934	2.201	2.304	2	0.987
	07 CLUBS, AMSMT&SPRTS	261,591	1,254,714	0.445	0.466	30	0.992
	08 HEALTH CARE FACIL	906	4,806	0.000	0.000	0	0.969
	09 HOTELS AND MOTELS	18,885	78,479	0.000	0.000	0	1.019
	10 SCHLS & CHURCHES	719	3,581	0.000	0.000	0	1.010
	12 BUILDINGS&OFFICES	74,615	349,675	0.581	0.608	11	0.942
	13 MISC. PREMISES	49,223	247,547	0.915	0.957	12	0.988
	TOTAL *	\$493,150	\$2,320,045	0.764		69	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$845,616	\$3,613,629	0.791		117	
	02 RESTAURANTS	735,681	3,313,804	0.892		123	
	03 STORES	501,912	2,621,777	1.219		78	
	04 VENDING & RENTAL	20,232	99,004	1.628		3	
	05 FOOD & BEV. DIST.	81,004	421,321	0.008		1	
	06 NON-FOOD&BEV.DIST	176,946	1,048,146	0.319		21	
	07 CLUBS, AMSMT&SPRTS	469,872	2,199,442	0.951		92	
	08 HEALTH CARE FACIL	14,014	149,398	0.456		4	
	09 HOTELS AND MOTELS	955,433	4,255,177	1.362		311	
	10 SCHLS & CHURCHES	200,626	963,958	1.472		61	
	11 APARTMENTS	432,412	1,957,157	1.455		112	
	12 BUILDINGS&OFFICES	2,307,584	11,383,531	0.748		342	
	13 MISC. PREMISES	97,804	560,906	1.176		21	
	16 GOVT SUBDIVISIONS	15,145	90,455	0.000		0	
	TOTAL *	\$6,854,281	\$32,677,705	0.955		1,286	

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

UTAH
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 1.045 OR + 4.5%				
TOP									
10	0.881	0.317	0.961	0.956					
34	0.979	0.343	0.993	0.987					
36	1.029	0.185	1.005	1.000					
37	1.086	0.477	1.040	1.035					
CLASS GROUP					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE		
3	0.867	0.446	0.938	0.942	- 5.9%	- 6.1%	- 6.1%		
4	1.109	0.383	1.040	1.044	+ 4.3%	+ 3.6%	+ 3.6%		
5	1.079	0.130	1.010	1.014	+ 1.2%	+ 3.0%	+ 3.0%		
6	0.977	0.310	0.993	0.996	- 0.5%	+ 4.4%	+ 4.4%		
7	0.998	0.143	1.000	1.003	+ 0.2%	+ 3.2%	+ 3.2%		
			OVERALL MONOLINE INDICATION		- 0.1%	+ 2.4%	+ 2.4%		
			-----		-----	-----	-----		

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.

MULTISTATE
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

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

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

UTAH
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 1.106 OR + 10.6%		
TOP							
10	0.982	0.722	0.987	0.985			
34	0.956	0.510	0.977	0.975			
36	0.955	0.521	0.976	0.974			
37	1.094	0.137	1.012	1.010			
38	1.018	0.965	1.017	1.015			
					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE
CLASS GROUP							
1	0.924	0.511	0.960	0.958	+ 4.7%	+ 9.6%	+ 9.6%
2	1.075	0.497	1.037	1.034	+ 12.7%	+ 16.9%	+ 16.9%
11	1.085	0.347	1.029	1.025	+ 11.2%	+ 23.0%	+ 21.5%
12	1.008	1.000	1.008	1.004	+ 9.0%	+ 12.4%	+ 12.4%
13	0.835	0.264	0.954	0.951	+ 3.5%	+ 6.5%	+ 6.6%
			OVERALL MONOLINE INDICATION		+ 8.8%	+ 12.6%	+ 12.6%

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

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

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

STATE	(1) BAILEY FORMULA RELATIV	(2) CREDIBILITY Z	(3) Z-WTD RELATIV	(4) BALANCED RELATIV.	(5) INDICATED ** MONOLINE CHG.	(6) SELECTED MONOLINE CHG.
	2.015	0.233	1.177	1.179		
	1.234	0.389	1.085	1.086		
	1.171	0.453	1.074	1.076		
	1.179	0.356	1.060	1.062		
	1.074	0.618	1.045	1.046		
	1.181	0.253	1.043	1.044		
	1.179	0.212	1.036	1.037		
	1.273	0.136	1.033	1.035		
	1.329	0.112	1.032	1.034		
	1.219	0.158	1.032	1.033		
	1.091	0.361	1.032	1.033		
	1.178	0.187	1.031	1.032		
Utah	1.137	0.234	1.030	1.032	12.6%	12.6%
	1.121	0.256	1.030	1.031		
	1.071	0.429	1.030	1.031		
	1.081	0.366	1.029	1.030		
	1.110	0.243	1.026	1.027		
	1.146	0.182	1.025	1.026		
	1.192	0.130	1.023	1.024		
	1.030	0.365	1.011	1.012		
	1.035	0.310	1.011	1.012		
	1.026	0.391	1.010	1.011		
	1.063	0.148	1.009	1.010		
	1.020	0.251	1.005	1.006		
	1.002	0.453	1.001	1.002		
	0.986	0.557	0.992	0.993		
	0.980	0.455	0.991	0.992		
	0.904	0.095	0.990	0.992		
	0.964	0.334	0.988	0.989		
	0.936	0.183	0.988	0.989		
	0.891	0.134	0.985	0.986		
	0.961	0.471	0.982	0.983		
	0.913	0.222	0.980	0.981		
	0.926	0.285	0.978	0.980		
	0.932	0.299	0.979	0.980		
	0.935	0.313	0.979	0.980		
	0.845	0.164	0.973	0.974		
	0.838	0.156	0.973	0.974		
	0.934	0.489	0.967	0.968		
	0.901	0.378	0.961	0.963		
	0.540	0.066	0.960	0.961		
	0.798	0.215	0.953	0.954		
	0.896	0.451	0.952	0.953		
	0.906	0.570	0.945	0.947		
	0.858	0.416	0.938	0.939		
	0.466	0.087	0.936	0.937		
	0.687	0.179	0.935	0.936		
	0.780	0.288	0.931	0.932		
	0.623	0.154	0.930	0.931		
	0.769	0.304	0.923	0.924		
	0.849	0.553	0.913	0.914		
	0.562	0.170	0.907	0.908		

* Sorted by balanced relative change.

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

UTAH
 LOCAL PRODUCTS/COMPLETED OPERATIONS
 BASIC LIMIT RELATIVE CHANGE ANALYSIS

 SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

		(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$14,500	\$82,720	2.202	1.927	4	0.973
	02 RET.STRS-NTFD/DRG	13,735	126,476	1.476	1.292	4	1.050
	11 COMP. OPS. (LOW)	65,688	273,650	5.684	4.974	7	1.042
	12 COMP. OPS. (MED)	1,259,050	4,998,156	1.564	1.368	79	1.021
	13 COMP. OPS. (HGH)	130,067	509,660	1.353	1.184	7	0.966
	TOTAL *	\$1,483,040	\$5,990,662	1.733		101	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$60,534	\$320,633	0.069	0.061	4	0.964
	02 RET.STRS-NTFD/DRG	18,431	111,558	0.022	0.019	1	1.040
	12 COMP. OPS. (MED)	6,238	55,659	0.000	0.000	0	1.011
	TOTAL *	\$85,203	\$487,850	0.054		5	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$4,239	\$16,323	0.000	0.000	0	0.963
	02 RET.STRS-NTFD/DRG	97,833	471,973	2.758	2.414	38	1.039
	11 COMP. OPS. (LOW)	10,158	47,886	0.000	0.000	0	1.031
	12 COMP. OPS. (MED)	26,585	154,667	2.237	1.958	18	1.010
	13 COMP. OPS. (HGH)	9,167	54,871	0.000	0.000	0	0.956
	TOTAL *	\$147,982	\$745,720	2.226		56	
37 MULT INDUST/PROC.	11 COMP. OPS. (LOW)	\$313	\$2,228	0.000	0.000	0	1.069
	12 COMP. OPS. (MED)	38,206	161,471	1.270	1.111	1	1.047
	13 COMP. OPS. (HGH)	987	3,398	0.000	0.000	0	0.991
	TOTAL *	\$39,506	\$167,097	1.228		1	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$133,624	\$822,923	0.832	0.728	10	1.074
	12 COMP. OPS. (MED)	1,635,020	7,925,840	0.930	0.814	118	1.052
	13 COMP. OPS. (HGH)	148,900	706,843	1.235	1.080	12	0.996
	TOTAL *	\$1,917,544	\$9,455,606	0.947		140	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$79,273	\$419,676	0.456		8	
	02 RET.STRS-NTFD/DRG	129,999	710,007	2.235		43	
	11 COMP. OPS. (LOW)	209,783	1,146,687	2.309		17	
	12 COMP. OPS. (MED)	2,965,099	13,295,793	1.213		216	
	13 COMP. OPS. (HGH)	289,121	1,274,772	1.245		19	
	TOTAL *	\$3,673,275	\$16,846,935	1.298		303	

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

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$2,151,747	\$9,207,997	0.954		570	
	02 RET.STRS-NTFD/DRG	2,295,068	11,448,808	1.305		473	
	11 COMP. OPS. (LOW)	3,895,100	18,175,165	1.627		651	
	12 COMP. OPS. (MED)	83,174,856	371,797,706	1.129		5,859	
	13 COMP. OPS. (HGH)	7,421,363	33,745,026	0.855		270	
	TOTAL *	\$98,938,134	\$444,374,702	1.129		7,823	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$7,378,051	\$34,825,684	1.019		3,165	
	02 RET.STRS-NTFD/DRG	4,658,506	21,948,409	1.063		619	
	12 COMP. OPS. (MED)	2,026,614	9,719,304	1.280		128	
	TOTAL *	\$14,063,171	\$66,493,397	1.071		3,912	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$731,256	\$3,413,076	1.191		192	
	02 RET.STRS-NTFD/DRG	11,447,132	45,559,628	1.208		2,628	
	11 COMP. OPS. (LOW)	3,040,380	13,966,259	1.000		463	
	12 COMP. OPS. (MED)	3,965,017	19,728,144	1.158		722	
	13 COMP. OPS. (HGH)	1,090,160	5,593,916	0.594		73	
	TOTAL *	\$20,273,945	\$88,261,023	1.134		4,078	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$9,836	\$70,552	0.697		1	
	11 COMP. OPS. (LOW)	114,421	544,767	0.929		18	
	12 COMP. OPS. (MED)	3,292,583	16,179,487	1.258		263	
	13 COMP. OPS. (HGH)	47,464	274,742	0.769		0	
	TOTAL *	\$3,464,304	\$17,069,548	1.239		282	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$8,340,283	\$39,424,490	1.146		683	
	12 COMP. OPS. (MED)	145,250,258	693,909,762	1.167		12,596	
	13 COMP. OPS. (HGH)	13,790,618	64,566,546	1.050		709	
	TOTAL *	\$167,381,159	\$797,900,798	1.156		13,988	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$10,270,890	\$47,517,309	1.017		3,928	
	02 RET.STRS-NTFD/DRG	18,400,706	78,956,845	1.183		3,720	
	11 COMP. OPS. (LOW)	15,390,184	72,110,681	1.238		1,815	
	12 COMP. OPS. (MED)	237,709,328	1,111,334,403	1.156		19,568	
	13 COMP. OPS. (HGH)	22,349,605	104,180,230	0.963		1,052	
	TOTAL *	\$304,120,713	\$1,414,099,468	1.143		30,083	

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

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	09/30/2017	\$3,164,958		1.000		1.092				\$3,456,134
	09/30/2018	3,287,345		1.001		1.064				3,501,233
	09/30/2019	3,441,533		1.025		1.032				3,640,454
MULTILINE	09/30/2017	\$4,285,166		1.000		1.090		1.038		\$4,848,323
	09/30/2018	4,541,916		1.001		1.062		1.037		5,006,987
	09/30/2019	4,736,713		1.025		1.032		1.034		5,180,852
TOTAL	09/30/2017									\$8,304,457
	09/30/2018									8,508,220
	09/30/2019									8,821,306

+ 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 03/01/2021 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

UTAH
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	09/30/2017	\$1,298,490		0.969		1.085		1.242		1.000		\$1,695,562
		09/30/2018	839,843		1.262		1.085		1.188		1.000		1,366,167
		09/30/2019	585,726		2.076		1.085		1.137		1.000		1,500,072
BI	ALAE	09/30/2017	\$715,613				1.085		1.242		1.000		\$964,339
		09/30/2018	613,595				1.085		1.188		1.000		790,912
		09/30/2019	1,145,813				1.085		1.137		1.000		1,413,526
PD	B/L INDEMNITY	09/30/2017	\$2,158,123		1.058		1.085		1.242		1.000		\$3,076,899
		09/30/2018	2,354,794		1.117		1.085		1.188		1.000		3,390,410
		09/30/2019	1,696,261		1.268		1.085		1.137		1.000		2,653,396
PD	ALAE	09/30/2017	\$693,649				1.085		1.242		1.000		\$934,741
		09/30/2018	842,741				1.085		1.188		1.000		1,086,276
		09/30/2019	843,494				1.085		1.137		1.000		1,040,572
MED PAY#	B/L INDEMNITY	09/30/2017	\$52,933				1.085		1.242		1.000		\$71,331
		09/30/2018	30,455				1.085		1.188		1.000		39,256
		09/30/2019	26,000				1.085		1.137		1.000		32,075
FRINGE	B/L INDEMNITY	09/30/2017	\$101,094		1.086		1.085		1.000		1.000		\$119,120
		09/30/2018	80,101		1.199		1.085		1.000		1.000		104,205
		09/30/2019	137,797		1.581		1.085		1.000		1.000		236,375
FRINGE	ALAE	09/30/2017	\$48,402				1.085		1.000		1.000		\$52,516
		09/30/2018	123,325				1.085		1.000		1.000		133,808
		09/30/2019	216,065				1.085		1.000		1.000		234,431
	TOTAL FULL COVERAGE	09/30/2017											\$6,914,507
		09/30/2018											6,911,033
		09/30/2019											7,110,447

* 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.

UTAH
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	09/30/2017	\$130,676		1.148		1.085		1.242		1.000		\$202,157
		09/30/2018	0		1.506		1.085		1.188		1.000		0
		09/30/2019	17,500		2.405		1.085		1.137		1.000		51,921
BI	ALAE	09/30/2017	\$69,387				1.085		1.242		1.000		\$93,504
		09/30/2018	0				1.085		1.188		1.000		0
		09/30/2019	19,213				1.085		1.137		1.000		23,702
PD	B/L INDEMNITY	09/30/2017	\$243,067		1.032		1.085		1.242		1.000		\$338,031
		09/30/2018	226,266		1.072		1.085		1.188		1.000		312,651
		09/30/2019	253,692		1.171		1.085		1.137		1.000		366,483
PD	ALAE	09/30/2017	\$31,489				1.085		1.242		1.000		\$42,434
		09/30/2018	129,097				1.085		1.188		1.000		166,403
		09/30/2019	218,366				1.085		1.137		1.000		269,386
MED PAY#	B/L INDEMNITY	09/30/2017	\$0				1.085		1.242		1.000		\$0
		09/30/2018	0				1.085		1.188		1.000		0
		09/30/2019	1,000				1.085		1.137		1.000		1,234
	TOTAL DED COVERAGE	09/30/2017											\$676,126
		09/30/2018											479,055
		09/30/2019											712,726
	TOTAL	09/30/2017											\$7,590,633
		09/30/2018											7,390,088
		09/30/2019											7,823,173

* 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.

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	09/30/2017	\$2,052,084		1.000		1.017				\$2,086,969
	09/30/2018	2,067,849		1.000		1.015				2,098,867
	09/30/2019	1,866,354		1.004		1.010				1,892,558
MULTILINE	09/30/2017	\$4,250,546		1.000		1.024		0.977		\$4,252,450
	09/30/2018	4,594,750		1.000		1.019		0.976		4,569,681
	09/30/2019	4,982,032		1.004		1.015		0.975		4,950,065
TOTAL	09/30/2017									\$6,339,419
	09/30/2018									6,668,548
	09/30/2019									6,842,623

+ 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 03/01/2021 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	09/30/2017	\$2,354,059		1.007		1.085		1.213		0.976		\$3,044,999
		09/30/2018	2,422,724		1.113		1.085		1.166		0.981		3,346,543
		09/30/2019	2,611,444		1.275		1.085		1.121		0.985		3,988,986
BI	ALAE	09/30/2017	\$767,751				1.085		1.213		0.976		\$986,190
		09/30/2018	1,316,537				1.085		1.166		0.981		1,633,918
		09/30/2019	1,634,692				1.085		1.121		0.985		1,958,428
PD	B/L INDEMNITY	09/30/2017	\$397,804		1.031		1.085		1.271		0.976		\$552,018
		09/30/2018	297,678		1.082		1.085		1.211		0.981		415,161
		09/30/2019	367,319		1.117		1.085		1.153		0.985		505,582
PD	ALAE	09/30/2017	\$330,106				1.085		1.271		0.976		\$444,302
		09/30/2018	138,024				1.085		1.211		0.981		177,909
		09/30/2019	251,144				1.085		1.153		0.985		309,470
MED PAY#	B/L INDEMNITY	09/30/2017	\$282,155				1.085		1.213		0.976		\$362,433
		09/30/2018	247,785				1.085		1.166		0.981		307,519
		09/30/2019	273,761				1.085		1.121		0.985		327,977
FRINGE	B/L INDEMNITY	09/30/2017	\$96,026		1.043		1.085		1.050		0.976		\$111,363
		09/30/2018	15,000		1.276		1.085		1.040		0.981		21,187
		09/30/2019	21,400		1.665		1.085		1.029		0.985		39,184
FRINGE	ALAE	09/30/2017	\$107,759				1.085		1.050		0.976		\$119,818
		09/30/2018	28,953				1.085		1.040		0.981		32,050
		09/30/2019	54,787				1.085		1.029		0.985		60,250
	TOTAL FULL COVERAGE	09/30/2017											\$5,621,124
		09/30/2018											5,934,288
		09/30/2019											7,189,876

* 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.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	09/30/2017	\$65,250		1.040		1.085		1.213		0.976		\$87,167
		09/30/2018	236,868		1.251		1.085		1.166		0.981		367,757
		09/30/2019	6,326		1.737		1.085		1.121		0.985		13,164
BI	ALAE	09/30/2017	\$10,601				1.085		1.213		0.976		\$13,617
		09/30/2018	156,028				1.085		1.166		0.981		193,642
		09/30/2019	4,057				1.085		1.121		0.985		4,860
PD	B/L INDEMNITY	09/30/2017	\$0		1.194		1.085		1.271		0.976		\$0
		09/30/2018	102,225		1.225		1.085		1.211		0.981		161,412
		09/30/2019	6,000		1.350		1.085		1.153		0.985		9,981
PD	ALAE	09/30/2017	\$0				1.085		1.271		0.976		\$0
		09/30/2018	70,024				1.085		1.211		0.981		90,259
		09/30/2019	2,568				1.085		1.153		0.985		3,164
MED PAY#	B/L INDEMNITY	09/30/2017	\$3,191				1.085		1.213		0.976		\$4,099
		09/30/2018	18,543				1.085		1.166		0.981		23,013
		09/30/2019	5,336				1.085		1.121		0.985		6,393
	TOTAL DED COVERAGE	09/30/2017											\$104,884
		09/30/2018											836,083
		09/30/2019											37,563
	TOTAL	09/30/2017											\$5,726,008
		09/30/2018											6,770,371
		09/30/2019											7,227,439

* 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.

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

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B)	Description	Implicit Package Modification Factors
-----	-----	-----
31	Not Applicable	--
32	Not Applicable	--
33	Office Policy	0.670
34	Mercantile Policy	1.500
35	Institutional Policy	0.793
36	Service Policy	1.035
37	Industrial/Processing Policy	1.150
38	Contractors Policy	0.987

- (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.

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

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Motel/Hotel Policy	1.000
32	Apartment House Policy	1.000
33	Office Policy	1.024
34	Mercantile Policy	0.921
35	Institutional Policy	1.081
36	Service Policy	0.997
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.

UTAH

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.026	1.022	0.6224	1.024	26,000,000
27 to 39 Months	1.001	1.000	0.3435	1.001	80,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From		<u>39:27</u>	<u>ULT:39</u>
6/30/2017			1.000		Factor
6/30/2018		1.001	1.000		1.000
6/30/2019	1.024	1.001	1.000		1.001
					1.025

(a) See Section E - Multistate Premium Development.

(b) See Section E - Statewide Premium Development.

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

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

UTAH

PREMISES/OPERATIONS
OWNERS LANDLORDS AND TENANTS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.004	1.005	0.3009	1.004	75,000,000
27 to 39 Months	1.000	1.000	0.1229	1.000	222,000,000
Accident Year Ending	Exposure Development From				
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
6/30/2017			1.000		1.000
6/30/2018		1.000	1.000		1.000
6/30/2019	1.004	1.000	1.000		1.004

(a) See Section E - Multistate Premium Development.

(b) See Section E - Statewide Premium Development.

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

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

UTAH
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2012	11,559,309	11,844,622	11,518,161	11,518,120	11,518,120	11,540,226	11,540,226	11,540,226
6/30/2013	12,198,817	12,251,436	12,255,981	12,263,949	12,256,051	12,256,050	12,256,050	
6/30/2014	12,742,879	13,043,055	13,017,245	13,039,696	13,037,854	13,037,854		
6/30/2015	13,355,534	13,533,480	13,494,862	13,492,314	13,493,354			
6/30/2016	13,406,421	13,671,886	13,713,985	13,712,807				
6/30/2017	14,233,355	14,653,558	14,716,666					
6/30/2018	15,220,919	15,552,309						
6/30/2019	17,247,359							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
6/30/2012	1.025	0.972	1.000	1.000	1.002	1.000	1.000
6/30/2013	1.004	1.000	1.001	0.999	1.000	1.000	
6/30/2014	1.024	0.998	1.002	1.000	1.000		
6/30/2015	1.013	0.997	1.000	1.000			
6/30/2016	1.020	1.003	1.000				
6/30/2017	1.030	1.004					
6/30/2018	1.022						
6/30/2019							

Average Best 3 of 5

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

UTAH
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2012	7,530,004	7,606,845	7,470,792	7,470,792	7,470,792	7,470,792	7,470,792	7,470,792
6/30/2013	8,472,361	8,451,237	8,445,004	8,463,095	8,463,046	8,463,074	8,463,090	
6/30/2014	9,266,155	9,285,359	9,300,083	9,295,405	9,296,820	9,296,820		
6/30/2015	9,785,875	9,821,130	9,821,206	9,826,057	9,826,057			
6/30/2016	10,385,993	10,495,568	10,487,058	10,495,242				
6/30/2017	10,739,368	10,801,688	10,815,010					
6/30/2018	11,161,441	11,205,397						
6/30/2019	11,446,339							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
6/30/2012	1.010	0.982	1.000	1.000	1.000	1.000	1.000
6/30/2013	0.998	0.999	1.002	1.000	1.000	1.000	
6/30/2014	1.002	1.002	0.999	1.000	1.000		
6/30/2015	1.004	1.000	1.000	1.000			
6/30/2016	1.011	0.999	1.001				
6/30/2017	1.006	1.001					
6/30/2018	1.004						
6/30/2019							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.005	1.000

MULTISTATE
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2012	1,431,881,874	1,486,732,089	1,406,909,274	1,406,634,858	1,406,854,875	1,407,090,813	1,407,072,643	1,407,086,359
6/30/2013	1,479,103,068	1,465,979,221	1,467,864,691	1,468,923,067	1,468,990,272	1,469,008,918	1,468,899,617	
6/30/2014	1,521,066,626	1,569,181,782	1,572,502,561	1,573,176,061	1,573,367,945	1,573,176,888		
6/30/2015	1,603,604,030	1,646,733,499	1,646,755,193	1,646,986,523	1,646,774,319			
6/30/2016	1,608,801,269	1,650,330,526	1,646,454,838	1,646,639,427				
6/30/2017	1,657,549,629	1,697,607,069	1,699,785,737					
6/30/2018	1,727,251,552	1,763,080,169						
6/30/2019	1,814,205,861							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
6/30/2012	1.038	0.946	1.000	1.000	1.000	1.000	1.000
6/30/2013	0.991	1.001	1.001	1.000	1.000	1.000	
6/30/2014	1.032	1.002	1.000	1.000	1.000		
6/30/2015	1.027	1.000	1.000	1.000			
6/30/2016	1.026	0.998	1.000				
6/30/2017	1.024	1.001					
6/30/2018	1.021						
6/30/2019							

Average Best 3 of 5

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

MULTISTATE
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2012	1,718,772,375	1,741,972,425	1,716,394,261	1,716,338,138	1,716,308,378	1,716,329,776	1,716,492,293	1,716,486,098
6/30/2013	1,805,233,802	1,800,647,941	1,801,350,703	1,803,581,181	1,803,966,410	1,803,831,226	1,803,811,407	
6/30/2014	1,920,660,718	1,950,430,582	1,950,323,695	1,951,306,159	1,951,050,962	1,950,954,425		
6/30/2015	2,072,411,534	2,078,411,845	2,078,568,354	2,077,647,990	2,077,488,960			
6/30/2016	2,174,078,972	2,178,999,363	2,178,348,854	2,177,910,186				
6/30/2017	2,194,941,126	2,209,998,181	2,208,348,809					
6/30/2018	2,233,470,370	2,236,613,787						
6/30/2019	2,281,050,640							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
6/30/2012	1.013	0.985	1.000	1.000	1.000	1.000	1.000
6/30/2013	0.997	1.000	1.001	1.000	1.000	1.000	
6/30/2014	1.015	1.000	1.001	1.000	1.000		
6/30/2015	1.003	1.000	1.000	1.000			
6/30/2016	1.002	1.000	1.000				
6/30/2017	1.007	0.999					
6/30/2018	1.001						
6/30/2019							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.004	1.000

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UTAH

Premises/Operations

Manufacturers & Contractors

Bodily Injury

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.590	1.704	0.4751	1.644	1,300,000
27 to 39 Months	1.330	1.269	0.4426	1.303	1,600,000
39 to 51 Months	1.072	1.020	0.5986	1.041	1,800,000
51 to 63 Months	0.999	0.966	0.5582	0.981	2,200,000
63 to 75 Months	0.994	0.907	0.5603	0.945	2,600,000
75 to 87 Months	0.998	0.997	0.4562	0.998	3,100,000
87 to 99 Months	0.997	1.000	0.4111	0.998	3,600,000
99 to 111 Months	0.999	1.000	0.3336	0.999	4,300,000
111 to 123 Months	0.999	0.998	0.3232	0.999	5,100,000
123 to 135 Months	1.001	1.000	0.2888	1.001	6,000,000
135 to 147 Months	1.001	1.000	0.2290	1.001	7,100,000
147 to 159 Months	1.000	1.000	0.1597	1.000	8,500,000
159 to 171 Months	1.000	1.000	0.1223	1.000	10,100,000
171 to 183 Months	1.000	1.000	0.1219	1.000	12,000,000
183 to 195 Months	1.000	1.000	0.1200	1.000	14,300,000
195 to 207 Months	1.001	1.000	0.0855	1.001	17,000,000
207 to 219 Months	1.001	1.000	0.0602	1.001	20,300,000
219 to 231 Months	1.001	1.000	0.0256	1.001	24,100,000
231 to 243 Months	1.001	1.000	0.0117	1.001	28,800,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			1.041	0.981	0.945	0.998	0.998	0.999	0.999	1.001	1.001
6/30/2018		1.303	1.041	0.981	0.945	0.998	0.998	0.999	0.999	1.001	1.001
6/30/2019	1.644	1.303	1.041	0.981	0.945	0.998	0.998	0.999	0.999	1.001	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		0.969
6/30/2018	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		1.262
6/30/2019	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		2.076

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

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

UTAH

Premises/Operations

Manufacturers & Contractors
Bodily Injury
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0650	0.0573	0.4751	0.0614	1,300,000
27 to 39 Months	0.0999	0.0761	0.4426	0.0894	1,600,000
39 to 51 Months	0.0891	0.1201	0.5986	0.1077	1,800,000
51 to 63 Months	0.0446	0.0226	0.5582	0.0324	2,200,000
63 to 75 Months	0.0252	0.0106	0.5603	0.0170	2,600,000
75 to 87 Months	0.0096	0.0020	0.4562	0.0062	3,100,000
87 to 99 Months	0.0054	0.0122	0.4111	0.0082	3,600,000
99 to 111 Months	0.0029	0.0020	0.3336	0.0026	4,300,000
111 to 123 Months	0.0023	0.0007	0.3232	0.0018	5,100,000
123 to 135 Months	0.0011	0.0000	0.2888	0.0008	6,000,000
135 to 147 Months	0.0005	0.0000	0.2290	0.0003	7,100,000
147 to 159 Months	0.0012	0.0000	0.1597	0.0010	8,500,000
159 to 171 Months	0.0008	0.0000	0.1223	0.0007	10,100,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.329	0.268	0.179	0.071	0.039	0.022	0.015
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.007	0.005	0.003	0.002	0.002	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	280,459	2,431,023	0.179	435,154	715,613
9/30/2018	75,893	2,006,351	0.268	537,702	613,595
9/30/2019	63,611	3,289,371	0.329	1,082,202	1,145,813

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	11,144	325,377	0.179	58,243	69,387
9/30/2018	0	0	0.268	0	0
9/30/2019	0	58,398	0.329	19,213	19,213

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

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

UTAH

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	1.111	1.154	0.5504	1.135	2,800,000
27 to 39 Months	1.051	1.060	0.5509	1.056	2,900,000
39 to 51 Months	1.015	1.038	0.5453	1.028	3,000,000
51 to 63 Months	1.006	0.996	0.5401	1.001	3,200,000
63 to 75 Months	1.006	1.002	0.5261	1.004	3,300,000
75 to 87 Months	1.005	0.995	0.5407	1.000	3,500,000
87 to 99 Months	1.005	1.009	0.5120	1.007	3,600,000
99 to 111 Months	1.006	0.996	0.4331	1.002	3,800,000
111 to 123 Months	1.003	0.998	0.3399	1.001	4,000,000
123 to 135 Months	1.001	1.000	0.2932	1.001	4,200,000
135 to 147 Months	1.002	1.000	0.3154	1.001	4,400,000
147 to 159 Months	1.002	1.000	0.2932	1.001	4,600,000
159 to 171 Months	1.002	1.000	0.2965	1.001	4,800,000
171 to 183 Months	1.001	1.000	0.2209	1.001	5,000,000
183 to 195 Months	1.001	1.000	0.2300	1.001	5,300,000
195 to 207 Months	1.001	1.000	0.2045	1.001	5,600,000
207 to 219 Months	1.001	1.000	0.2172	1.001	5,800,000
219 to 231 Months	1.001	1.000	0.1502	1.001	6,100,000
231 to 243 Months	1.001	1.000	0.0712	1.001	6,400,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			1.028	1.001	1.004	1.000	1.007	1.002	1.001	1.001	1.001
6/30/2018		1.056	1.028	1.001	1.004	1.000	1.007	1.002	1.001	1.001	1.001
6/30/2019	1.135	1.056	1.028	1.001	1.004	1.000	1.007	1.002	1.001	1.001	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004		1.058
6/30/2018	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004		1.117
6/30/2019	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004		1.268

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

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

UTAH

Premises/Operations

Manufacturers & Contractors
Property Damage
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0451	0.0199	0.5504	0.0313	2,800,000
27 to 39 Months	0.0490	0.0474	0.5509	0.0481	2,900,000
39 to 51 Months	0.0410	0.0662	0.5453	0.0548	3,000,000
51 to 63 Months	0.0339	0.0103	0.5401	0.0211	3,200,000
63 to 75 Months	0.0179	0.0013	0.5261	0.0092	3,300,000
75 to 87 Months	0.0099	0.0032	0.5407	0.0063	3,500,000
87 to 99 Months	0.0084	0.0036	0.5120	0.0059	3,600,000
99 to 111 Months	0.0109	0.0000	0.4331	0.0062	3,800,000
111 to 123 Months	0.0072	0.0000	0.3399	0.0047	4,000,000
123 to 135 Months	0.0047	0.0000	0.2932	0.0034	4,200,000
135 to 147 Months	0.0043	0.0000	0.3154	0.0029	4,400,000
147 to 159 Months	0.0043	0.0000	0.2932	0.0030	4,600,000
159 to 171 Months	0.0042	0.0000	0.2965	0.0029	4,800,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.200	0.169	0.120	0.066	0.045	0.035	0.029
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.023	0.017	0.012	0.009	0.006	0.003	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	294,258	3,328,250	0.120	399,391	693,649
9/30/2018	162,956	4,022,393	0.169	679,785	842,741
9/30/2019	213,300	3,150,972	0.200	630,194	843,494

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	395	259,110	0.120	31,094	31,489
9/30/2018	86,499	252,059	0.169	42,598	129,097
9/30/2019	53,635	823,652	0.200	164,731	218,366

(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)}}

UTAH

Premises/Operations

Manufacturers & Contractors

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.1546
27 to 39 Months	0.1652
39 to 51 Months	0.1422
51 to 63 Months	0.0973
63 to 75 Months	0.0441
75 to 87 Months	0.0581
87 to 99 Months	0.0071
99 to 111 Months	0.0174
111 to 123 Months	0.0019
123 to 135 Months	0.0005
135 to 147 Months	0.0005
147 to 159 Months	0.0002
159 to 171 Months	0.0021
171 to Ultimate	A multistate ratio of 0.0000 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.691	0.537	0.371	0.229	0.132	0.088	0.030

<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.023	0.005	0.003	0.003	0.002	0.002	0.000

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	1,669	125,963	0.371	46,733	48,402
9/30/2018	60,654	116,707	0.537	62,671	123,325
9/30/2019	15,917	289,650	0.691	200,148	216,065

(A) See Section E - Multistate Loss Development.

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

UTAH

Premises/Operations

Owners, Landlords & Tenants

Bodily Injury

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.398	1.046	0.7165	1.146	1,600,000
27 to 39 Months	1.183	1.059	0.6253	1.105	2,100,000
39 to 51 Months	1.049	1.029	0.5674	1.038	2,700,000
51 to 63 Months	0.999	0.970	0.5315	0.984	3,400,000
63 to 75 Months	0.993	0.993	0.4581	0.993	4,300,000
75 to 87 Months	0.994	1.000	0.4037	0.996	5,500,000
87 to 99 Months	0.996	1.000	0.3182	0.997	7,100,000
99 to 111 Months	0.998	1.000	0.2840	0.999	9,000,000
111 to 123 Months	1.000	1.000	0.2157	1.000	11,600,000
123 to 135 Months	1.000	1.000	0.1761	1.000	14,800,000
135 to 147 Months	1.000	1.000	0.1147	1.000	19,000,000
147 to 159 Months	1.000	1.000	0.0763	1.000	24,400,000
159 to 171 Months	1.001	1.000	0.0581	1.001	31,400,000
171 to 183 Months	1.000	1.000	0.0510	1.000	40,300,000
183 to 195 Months	1.000	1.000	0.0480	1.000	52,000,000
195 to 207 Months	1.000	1.000	0.0415	1.000	67,000,000
207 to 219 Months	1.000	1.000	0.0396	1.000	86,500,000
219 to 231 Months	1.000	1.000	0.0207	1.000	111,700,000
231 to 243 Months	1.000	1.000	0.0096	1.000	144,600,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			1.038	0.984	0.993	0.996	0.997	0.999	1.000	1.000	1.000
6/30/2018		1.105	1.038	0.984	0.993	0.996	0.997	0.999	1.000	1.000	1.000
6/30/2019	1.146	1.105	1.038	0.984	0.993	0.996	0.997	0.999	1.000	1.000	1.000
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.007
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.113
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.275

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

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

UTAH

Premises/Operations

Owners, Landlords & Tenants
Bodily Injury
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0675	0.0222	0.7165	0.0350	1,600,000
27 to 39 Months	0.0813	0.0435	0.6253	0.0577	2,100,000
39 to 51 Months	0.0593	0.0385	0.5674	0.0475	2,700,000
51 to 63 Months	0.0287	0.0321	0.5315	0.0305	3,400,000
63 to 75 Months	0.0133	0.0156	0.4581	0.0144	4,300,000
75 to 87 Months	0.0059	0.0070	0.4037	0.0064	5,500,000
87 to 99 Months	0.0034	0.0195	0.3182	0.0085	7,100,000
99 to 111 Months	0.0032	0.0000	0.2840	0.0023	9,000,000
111 to 123 Months	0.0013	0.0000	0.2157	0.0010	11,600,000
123 to 135 Months	0.0012	0.0000	0.1761	0.0010	14,800,000
135 to 147 Months	0.0005	0.0000	0.1147	0.0004	19,000,000
147 to 159 Months	0.0009	0.0000	0.0763	0.0008	24,400,000
159 to 171 Months	0.0009	0.0000	0.0581	0.0009	31,400,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.206	0.171	0.114	0.066	0.036	0.021	0.015
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.006	0.004	0.003	0.002	0.002	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	273,754	4,333,288	0.114	493,997	767,751
9/30/2018	315,434	5,854,396	0.171	1,001,103	1,316,537
9/30/2019	156,576	7,175,315	0.206	1,478,116	1,634,692

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	2,456	71,449	0.114	8,145	10,601
9/30/2018	68,136	513,994	0.171	87,892	156,028
9/30/2019	1,588	11,982	0.206	2,469	4,057

- (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)}}

UTAH

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	1.128	0.897	0.4118	1.033	1,100,000
27 to 39 Months	1.053	1.040	0.2720	1.049	1,300,000
39 to 51 Months	1.029	0.895	0.2507	0.995	1,500,000
51 to 63 Months	1.010	0.924	0.2530	0.988	1,700,000
63 to 75 Months	1.004	1.085	0.2520	1.024	1,900,000
75 to 87 Months	1.007	1.000	0.2283	1.005	2,200,000
87 to 99 Months	1.001	1.000	0.1846	1.001	2,500,000
99 to 111 Months	1.005	1.000	0.1908	1.004	2,700,000
111 to 123 Months	1.003	1.000	0.2063	1.002	3,100,000
123 to 135 Months	1.001	1.000	0.2332	1.001	3,600,000
135 to 147 Months	1.001	1.000	0.1657	1.001	4,100,000
147 to 159 Months	1.000	1.000	0.1466	1.000	4,600,000
159 to 171 Months	1.000	1.000	0.0911	1.000	5,200,000
171 to 183 Months	1.000	1.000	0.0712	1.000	6,000,000
183 to 195 Months	1.001	1.000	0.0659	1.001	6,700,000
195 to 207 Months	1.002	1.000	0.0682	1.002	7,700,000
207 to 219 Months	1.001	1.000	0.0739	1.001	8,700,000
219 to 231 Months	1.001	1.000	0.0474	1.001	9,900,000
231 to 243 Months	1.001	1.000	0.0180	1.001	11,300,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			0.995	0.988	1.024	1.005	1.001	1.004	1.002	1.001	1.001
6/30/2018		1.049	0.995	0.988	1.024	1.005	1.001	1.004	1.002	1.001	1.001
6/30/2019	1.033	1.049	0.995	0.988	1.024	1.005	1.001	1.004	1.002	1.001	1.001
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>ULT:243</u>		<u>Factor</u>
6/30/2017	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004		1.031
6/30/2018	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004		1.082
6/30/2019	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004		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) $\{(3) \times (4)\} + \{(2) \times \{1.000-(4)\}\}$

UTAH

Premises/Operations

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

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0754	0.0655	0.4118	0.0713	1,100,000
27 to 39 Months	0.0908	0.1165	0.2720	0.0978	1,300,000
39 to 51 Months	0.0711	0.0571	0.2507	0.0676	1,500,000
51 to 63 Months	0.0462	-0.0962	0.2530	0.0101	1,700,000
63 to 75 Months	0.0343	0.0002	0.2520	0.0257	1,900,000
75 to 87 Months	0.0181	0.0003	0.2283	0.0141	2,200,000
87 to 99 Months	0.0198	0.0000	0.1846	0.0162	2,500,000
99 to 111 Months	0.0167	0.0000	0.1908	0.0135	2,700,000
111 to 123 Months	0.0110	0.0000	0.2063	0.0087	3,100,000
123 to 135 Months	0.0104	0.0000	0.2332	0.0080	3,600,000
135 to 147 Months	0.0057	0.0000	0.1657	0.0048	4,100,000
147 to 159 Months	0.0020	0.0000	0.1466	0.0017	4,600,000
159 to 171 Months	0.0018	0.0000	0.0911	0.0017	5,200,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.341	0.270	0.172	0.104	0.094	0.069	0.054
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.038	0.025	0.016	0.008	0.003	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	234,230	557,400	0.172	95,876	330,106
9/30/2018	21,861	430,234	0.270	116,163	138,024
9/30/2019	92,390	465,563	0.341	158,754	251,144

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	0	0	0.172	0	0
9/30/2018	4,019	244,460	0.270	66,005	70,024
9/30/2019	0	7,530	0.341	2,568	2,568

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

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

UTAH

Premises/Operations

Owners, Landlords & Tenants

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.2469
27 to 39 Months	0.1929
39 to 51 Months	0.2011
51 to 63 Months	0.1516
63 to 75 Months	0.1313
75 to 87 Months	0.0839
87 to 99 Months	0.0322
99 to 111 Months	0.0070
111 to 123 Months	0.0126
123 to 135 Months	0.0053
135 to 147 Months	0.0033
147 to 159 Months	0.0169
159 to 171 Months	0.0031
171 to Ultimate	A multistate ratio of 0.0000 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	1.088	0.841	0.648	0.447	0.296	0.164	0.080
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.048	0.041	0.029	0.023	0.020	0.003	0.000

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	27,923	123,202	0.648	79,836	107,759
9/30/2018	8,555	24,255	0.841	20,398	28,953
9/30/2019	864	49,562	1.088	53,923	54,787

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	167,976	235,986	219,362	449,707	325,474	312,174	385,674	339,974	339,974	339,974	339,974
6/30/2001	173,056	183,303	252,563	254,053	265,928	265,928	299,928	299,928	292,428	292,428	292,428
6/30/2002	144,983	510,596	501,475	634,396	696,296	666,796	666,796	666,796	666,796	666,796	666,796
6/30/2003	195,721	390,571	541,070	528,268	522,268	534,070	629,570	629,570	629,570	629,570	629,570
6/30/2004	334,679	479,344	806,063	628,986	603,507	678,507	653,393	653,393	653,393	653,393	653,393
6/30/2005	221,934	374,711	474,711	374,931	374,931	374,931	382,211	382,211	382,211	382,211	382,211
6/30/2006	164,157	345,706	244,706	267,206	267,206	262,206	307,206	307,206	307,206	307,206	372,206
6/30/2007	523,100	654,149	780,329	839,978	900,831	876,151	876,151	861,151	866,151	861,326	861,326
6/30/2008	342,864	835,200	920,735	945,294	831,903	916,803	975,553	975,553	975,553	875,553	875,553
6/30/2009	213,556	623,191	529,639	711,538	974,041	924,525	758,657	699,170	699,170	699,170	699,170
6/30/2010	479,000	319,863	536,451	793,004	1,043,338	744,639	760,735	760,735	760,735	760,735	
6/30/2011	558,183	828,032	714,375	956,757	810,015	693,106	693,106	693,106	693,106		
6/30/2012	479,039	764,748	1,006,069	1,007,971	1,031,220	1,059,177	1,059,177	1,059,177			
6/30/2013	272,046	464,165	662,132	727,636	901,061	848,561	840,061				
6/30/2014	509,637	1,321,384	1,243,097	1,438,792	1,381,386	1,275,119					
6/30/2015	253,349	356,739	639,084	612,937	559,940						
6/30/2016	658,051	557,396	802,506	761,916							
6/30/2017	245,000	356,149	281,573								
6/30/2018	273,821	616,283									
6/30/2019	433,678										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	339,974	339,974	339,974	339,974	339,974	339,974	339,974	339,974	339,974
6/30/2001	292,428	292,428	292,428	292,428	292,428	292,428	292,428	292,428	
6/30/2002	666,796	666,796	666,796	666,796	666,796	666,796	666,796		
6/30/2003	629,570	629,570	629,570	629,570	629,570	629,570			
6/30/2004	653,393	653,393	653,393	653,393	653,393				
6/30/2005	382,211	382,211	382,211	382,211					
6/30/2006	372,206	372,206	372,206						
6/30/2007	861,326	861,326							
6/30/2008	875,553								

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

UTAH

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.405	0.930	2.050	0.724	0.959	1.235	0.882	1.000	1.000	1.000	1.000
6/30/2001	1.059	1.378	1.006	1.047	1.000	1.128	1.000	0.975	1.000	1.000	1.000
6/30/2002	3.522	0.982	1.265	1.098	0.958	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2003	1.996	1.385	0.976	0.989	1.023	1.179	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.432	1.682	0.780	0.959	1.124	0.963	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.688	1.267	0.790	1.000	1.000	1.019	1.000	1.000	1.000	1.000	1.000
6/30/2006	2.106	0.708	1.092	1.000	0.981	1.172	1.000	1.000	1.000	1.212	1.000
6/30/2007	1.251	1.193	1.076	1.072	0.973	1.000	0.983	1.006	0.994	1.000	1.000
6/30/2008	2.436	1.102	1.027	0.880	1.102	1.064	1.000	1.000	0.897	1.000	1.000
6/30/2009	2.918	0.850	1.343	1.369	0.949	0.821	0.922	1.000	1.000	1.000	
6/30/2010	0.668	1.677	1.478	1.316	0.714	1.022	1.000	1.000	1.000		
6/30/2011	1.483	0.863	1.339	0.847	0.856	1.000	1.000	1.000			
6/30/2012	1.596	1.316	1.002	1.023	1.027	1.000	1.000				
6/30/2013	1.706	1.427	1.099	1.238	0.942	0.990					
6/30/2014	2.593	0.941	1.157	0.960	0.923						
6/30/2015	1.408	1.791	0.959	0.914							
6/30/2016	0.847	1.440	0.949								
6/30/2017	1.454	0.791									
6/30/2018	2.251										

3 Yr Mean 1.517 1.341 1.022 1.037 0.964 0.997 1.000 1.000 0.966 1.000 1.000

Best 3/5 1.704 1.269 1.020 0.966 0.907 0.997 1.000 1.000 0.998 1.000 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000					
6/30/2006	1.000	1.000						
6/30/2007	1.000							

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

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.907	0.997	1.000	1.000	0.998	1.000	1.000
6/30/2016				0.966	0.907	0.997	1.000	1.000	0.998	1.000	1.000
6/30/2017			1.020	0.966	0.907	0.997	1.000	1.000	0.998	1.000	1.000
6/30/2018		1.269	1.020	0.966	0.907	0.997	1.000	1.000	0.998	1.000	1.000
6/30/2019	1.704	1.269	1.020	0.966	0.907	0.997	1.000	1.000	0.998	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.902
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.872
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.889
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.128
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.923

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	25,304	45,299	46,082	81,444	67,635	120,310	128,702	109,607	109,607	109,607	109,607
6/30/2001	12,044	45,717	126,479	160,182	498,176	419,453	455,250	443,428	435,711	435,711	435,711
6/30/2002	131,840	253,869	138,191	143,847	205,056	204,197	172,213	172,213	172,213	172,213	172,213
6/30/2003	31,977	108,492	267,372	314,844	350,921	462,562	354,077	354,077	354,077	354,077	354,077
6/30/2004	23,738	55,819	302,919	290,025	298,545	298,545	298,545	298,545	298,545	298,545	298,545
6/30/2005	66,718	85,851	72,168	58,169	60,415	62,360	62,788	62,788	62,788	62,788	62,788
6/30/2006	35,044	72,279	128,100	174,643	250,286	280,042	282,575	284,468	288,021	288,913	297,442
6/30/2007	21,875	70,331	213,131	400,133	504,402	544,433	545,566	630,996	650,027	656,732	656,732
6/30/2008	27,796	135,135	413,633	641,236	633,940	637,374	656,809	708,876	720,438	720,438	720,438
6/30/2009	33,454	71,233	166,688	269,919	401,723	368,296	356,889	363,464	363,464	363,464	363,464
6/30/2010	68,136	27,441	221,726	247,894	430,689	606,028	601,744	601,544	601,544	601,544	
6/30/2011	6,734	128,274	189,071	251,706	290,259	302,401	304,952	304,952	304,952		
6/30/2012	41,770	52,604	215,546	847,122	903,233	917,668	968,564	1,085,539			
6/30/2013	34,845	202,549	322,478	561,741	704,912	743,623	762,900				
6/30/2014	4,137	208,510	501,187	1,325,607	1,248,398	1,097,247					
6/30/2015	21,499	84,373	554,297	557,332	578,960						
6/30/2016	113,616	104,045	125,020	137,977							
6/30/2017	11,096	64,581	113,838								
6/30/2018	1,650	76,375									
6/30/2019	55,393										

A.Y.E.	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	109,607	109,607	109,607	109,607	109,607	109,607	109,607	109,607	109,607
6/30/2001	435,711	435,711	435,711	435,711	435,711	435,711	435,711	435,711	
6/30/2002	172,213	172,213	172,213	172,213	172,213	172,213	172,213		
6/30/2003	354,077	354,077	354,077	354,077	354,077	354,077			
6/30/2004	298,545	298,545	298,545	298,545	298,545				
6/30/2005	62,788	62,788	62,788	62,788					
6/30/2006	297,723	297,723	297,723						
6/30/2007	656,732	656,732							
6/30/2008	720,438								

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
UTAH
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
6/30/2000	19,995	783	35,362	-13,809	52,675	8,392	-19,095	0	0	0	0	0	0
6/30/2001	33,673	80,762	33,703	337,994	-78,723	35,797	-11,822	-7,717	0	0	0	0	0
6/30/2002	122,029	-115,678	5,656	61,209	-859	-31,984	0	0	0	0	0	0	0
6/30/2003	76,515	158,880	47,472	36,077	111,641	-108,485	0	0	0	0	0	0	0
6/30/2004	32,081	247,100	-12,894	8,520	0	0	0	0	0	0	0	0	0
6/30/2005	19,133	-13,683	-13,999	2,246	1,945	428	0	0	0	0	0	0	0
6/30/2006	37,235	55,821	46,543	75,643	29,756	2,533	1,893	3,553	892	8,529	281	0	0
6/30/2007	48,456	142,800	187,002	104,269	40,031	1,133	85,430	19,031	6,705	0	0	0	0
6/30/2008	107,339	278,498	227,603	-7,296	3,434	19,435	52,067	11,562	0	0	0	0	0
6/30/2009	37,779	95,455	103,231	131,804	-33,427	-11,407	6,575	0	0	0	0	0	0
6/30/2010	-40,695	194,285	26,168	182,795	175,339	-4,284	-200	0	0	0	0	0	0
6/30/2011	121,540	60,797	62,635	38,553	12,142	2,551	0	0	0	0	0	0	0
6/30/2012	10,834	162,942	631,576	56,111	14,435	50,896	116,975	0	0	0	0	0	0
6/30/2013	167,704	119,929	239,263	143,171	38,711	19,277	0	0	0	0	0	0	0
6/30/2014	204,373	292,677	824,420	-77,209	-151,151	0	0	0	0	0	0	0	0
6/30/2015	62,874	469,924	3,035	21,628	0	0	0	0	0	0	0	0	0
6/30/2016	-9,571	20,975	12,957	0	0	0	0	0	0	0	0	0	0
6/30/2017	53,485	49,257	0	0	0	0	0	0	0	0	0	0	0
6/30/2018	74,725	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0588	0.0023	0.1039	-0.0406	0.1548	0.0247	-0.0561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2001	0.0438	0.1051	0.0439	0.4400	-0.1025	0.0466	-0.0154	-0.0100	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.1069	-0.1013	0.0050	0.0536	-0.0008	-0.0280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0721	0.1498	0.0448	0.0340	0.1053	-0.1023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0200	0.1538	-0.0080	0.0053	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0356	-0.0255	-0.0261	0.0042	0.0036	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.0832	0.1247	0.1040	0.1690	0.0665	0.0057	0.0042	0.0079	0.0020	0.0191	0.0006	0.0000	0.0000
6/30/2007	0.0208	0.0612	0.0801	0.0447	0.0171	0.0005	0.0366	0.0082	0.0029	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.0565	0.1466	0.1198	-0.0038	0.0018	0.0102	0.0274	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2009	0.0521	0.1315	0.1423	0.1816	-0.0461	-0.0157	0.0091	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	-0.0356	0.1698	0.0229	0.1598	0.1532	-0.0037	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.1019	0.0510	0.0525	0.0323	0.0102	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.0045	0.0676	0.2622	0.0233	0.0060	0.0211	0.0486	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.0671	0.0480	0.0957	0.0573	0.0155	0.0077	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.0631	0.0903	0.2544	-0.0238	-0.0466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.0357	0.2665	0.0017	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	-0.0076	0.0168	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.0977	0.0900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.0732	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0573	0.0761	0.1201	0.0226	0.0106	0.0020	0.0122	0.0020	0.0007	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 UTAH
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	464,401	490,843	582,249	617,250	595,875	494,691	501,233	501,233	501,233	501,233	501,233
6/30/2001	470,128	502,530	543,894	587,504	587,504	587,504	587,504	587,504	587,504	594,103	629,504
6/30/2002	407,344	646,316	506,326	593,474	577,182	655,304	530,818	530,818	530,818	530,818	530,818
6/30/2003	140,920	280,998	391,746	359,698	359,702	407,199	321,698	321,698	321,708	321,698	321,698
6/30/2004	482,467	507,229	560,570	640,570	724,780	769,780	694,780	694,780	694,780	730,942	730,942
6/30/2005	353,880	441,948	324,835	361,900	362,900	296,999	321,999	330,400	385,400	365,400	365,400
6/30/2006	850,340	828,629	829,124	834,123	832,124	883,123	926,624	926,583	926,583	926,583	926,583
6/30/2007	753,991	634,377	581,977	644,056	648,825	658,178	631,932	705,524	697,961	616,634	616,634
6/30/2008	507,990	523,709	492,204	507,544	511,544	497,144	484,044	484,044	484,044	484,044	484,044
6/30/2009	827,020	772,799	685,778	641,501	669,182	648,695	641,501	642,501	642,501	641,501	641,501
6/30/2010	974,133	1,028,486	942,554	926,073	926,073	931,073	926,073	926,073	933,222	928,969	
6/30/2011	894,174	958,070	1,167,433	1,275,576	1,259,898	1,327,645	1,302,645	1,334,895	1,305,117		
6/30/2012	1,628,174	1,528,766	1,553,868	1,548,560	1,548,852	1,548,852	1,548,352	1,598,252			
6/30/2013	917,997	1,152,557	1,196,831	1,326,705	1,259,606	1,244,608	1,246,106				
6/30/2014	713,181	791,670	911,619	850,325	855,325						
6/30/2015	1,206,642	1,417,751	1,515,371	1,580,316	1,581,716						
6/30/2016	1,242,744	1,163,201	1,171,129	1,256,129							
6/30/2017	828,965	976,873	1,048,725								
6/30/2018	1,356,489	1,657,171									
6/30/2019	1,746,953										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	501,233	501,233	501,233	501,233	501,233	490,524	490,524	490,524	490,524		
6/30/2001	587,504	587,504	587,504	587,504	587,504	587,504	587,504	587,504			
6/30/2002	530,818	530,818	530,818	530,818	530,818	530,818	530,818				
6/30/2003	321,698	321,698	321,698	321,698	321,698	321,698					
6/30/2004	730,942	730,942	730,942	730,942	730,942						
6/30/2005	365,400	365,400	365,400	365,400							
6/30/2006	926,583	926,583	926,583								
6/30/2007	616,634	616,634									
6/30/2008	484,044										

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

UTAH

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.057	1.186	1.060	0.965	0.830	1.013	1.000	1.000	1.000	1.000	1.000
6/30/2001	1.069	1.082	1.080	1.000	1.000	1.000	1.000	1.000	1.011	1.060	0.933
6/30/2002	1.587	0.783	1.172	0.973	1.135	0.810	1.000	1.000	1.000	1.000	1.000
6/30/2003	1.994	1.394	0.918	1.000	1.132	0.790	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.051	1.105	1.143	1.131	1.062	0.903	1.000	1.000	1.052	1.000	1.000
6/30/2005	1.249	0.735	1.114	1.003	0.818	1.084	1.026	1.166	0.948	1.000	1.000
6/30/2006	0.974	1.001	1.006	0.998	1.061	1.049	1.000	1.000	1.000	1.000	1.000
6/30/2007	0.841	0.917	1.107	1.007	1.014	0.960	1.116	0.989	0.883	1.000	1.000
6/30/2008	1.031	0.940	1.031	1.008	0.972	0.974	1.000	1.000	1.000	1.000	1.000
6/30/2009	0.934	0.887	0.935	1.043	0.969	0.989	1.002	1.000	0.998	1.000	
6/30/2010	1.056	0.916	0.983	1.000	1.005	0.995	1.000	1.008	0.995		
6/30/2011	1.071	1.219	1.093	0.988	1.054	0.981	1.025	0.978			
6/30/2012	0.939	1.016	0.997	1.000	1.000	1.000	1.032				
6/30/2013	1.256	1.038	1.109	0.949	0.988	1.001					
6/30/2014	1.110	1.152	0.933	1.006	1.000						
6/30/2015	1.175	1.069	1.043	1.001							
6/30/2016	0.936	1.007	1.073								
6/30/2017	1.178	1.074									
6/30/2018	1.222										
3 Yr Mean	1.112	1.050	1.016	0.985	0.996	0.994	1.019	0.995	0.998	1.000	1.000
Best 3/5	1.154	1.060	1.038	0.996	1.002	0.995	1.009	0.996	0.998	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	1.000	1.000	1.000	1.000	0.979	1.000	1.000	1.000			
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
6/30/2004	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2005	1.000	1.000	1.000								
6/30/2006	1.000	1.000									
6/30/2007	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.002	0.995	1.009	0.996	0.998	1.000	1.000
6/30/2016				0.996	1.002	0.995	1.009	0.996	0.998	1.000	1.000
6/30/2017			1.038	0.996	1.002	0.995	1.009	0.996	0.998	1.000	1.000
6/30/2018		1.060	1.038	0.996	1.002	0.995	1.009	0.996	0.998	1.000	1.000
6/30/2019	1.154	1.060	1.038	0.996	1.002	0.995	1.009	0.996	0.998	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.996
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.034
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.096
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.265

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	1,032,072	335,748	392,097	464,900	481,334	498,565	498,889	498,889	498,889	498,889	498,889
6/30/2001	22,338	25,090	62,013	66,902	70,138	77,201	81,875	81,875	81,875	81,875	89,844
6/30/2002	22,769	43,057	48,372	59,645	203,631	373,734	102,120	102,120	102,120	102,120	102,120
6/30/2003	8,098	109,776	165,253	114,665	159,236	177,619	161,836	161,836	161,836	161,836	161,836
6/30/2004	24,269	20,672	212,379	247,376	355,217	395,216	339,006	339,006	354,918	351,873	352,399
6/30/2005	3,669	56,654	73,625	95,064	127,718	127,717	125,151	187,846	244,568	284,612	284,612
6/30/2006	34,953	46,140	63,921	174,300	317,638	320,286	349,591	409,670	416,878	416,878	416,878
6/30/2007	9,481	61,669	63,211	90,420	115,591	107,208	108,235	108,235	108,235	125,858	126,342
6/30/2008	20,538	81,971	78,142	130,416	145,566	147,993	147,098	151,628	151,628	151,628	151,628
6/30/2009	32,202	21,902	25,670	25,802	38,122	58,610	76,671	76,671	76,671	76,671	76,671
6/30/2010	17,850	64,367	84,358	84,358	84,358	86,739	89,223	89,382	89,382	89,382	
6/30/2011	22,147	37,460	83,234	142,158	148,431	171,063	186,584	214,044	223,095		
6/30/2012	152,789	152,635	135,039	131,081	135,024	138,612	141,070	145,099			
6/30/2013	63,477	65,750	214,743	379,216	426,084	424,267	426,630				
6/30/2014	5,991	7,313	10,649	57,083	64,014	64,014					
6/30/2015	116,024	201,608	369,402	565,355	705,681						
6/30/2016	37,947	23,852	96,470	231,054							
6/30/2017	43,085	130,978	173,280								
6/30/2018	70,962	140,557									
6/30/2019	192,637										

A.Y.E.	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	498,889	498,889	498,889	498,889	498,889	498,889	498,889	498,889	498,889
6/30/2001	95,166	95,166	95,166	95,166	95,166	95,166	95,166	95,166	
6/30/2002	102,120	102,120	102,120	102,120	102,120	102,120	102,120		
6/30/2003	161,836	161,836	161,836	161,836	161,836	161,836			
6/30/2004	352,399	352,399	352,399	352,399	352,399				
6/30/2005	284,612	284,612	284,612	284,612					
6/30/2006	416,878	416,878	416,878						
6/30/2007	130,291	130,324							
6/30/2008	151,628								

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	-696,324	56,349	72,803	16,434	17,231	324	0	0	0	0	0	0	0
6/30/2001	2,752	36,923	4,889	3,236	7,063	4,674	0	0	0	7,969	5,322	0	0
6/30/2002	20,288	5,315	11,273	143,986	170,103	-271,614	0	0	0	0	0	0	0
6/30/2003	101,678	55,477	-50,588	44,571	18,383	-15,783	0	0	0	0	0	0	0
6/30/2004	-3,597	191,707	34,997	107,841	39,999	-56,210	0	15,912	-3,045	526	0	0	0
6/30/2005	52,985	16,971	21,439	32,654	-1	-2,566	62,695	56,722	40,044	0	0	0	0
6/30/2006	11,187	17,781	110,379	143,338	2,648	29,305	60,079	7,208	0	0	0	0	0
6/30/2007	52,188	1,542	27,209	25,171	-8,383	1,027	0	0	17,623	484	3,949	33	
6/30/2008	61,433	-3,829	52,274	15,150	2,427	-895	4,530	0	0	0	0		
6/30/2009	-10,300	3,768	132	12,320	20,488	18,061	0	0	0	0			
6/30/2010	46,517	19,991	0	0	2,381	2,484	159	0	0				
6/30/2011	15,313	45,774	58,924	6,273	22,632	15,521	27,460	9,051					
6/30/2012	-154	-17,596	-3,958	3,943	3,588	2,458	4,029						
6/30/2013	2,273	148,993	164,473	46,868	-1,817	2,363							
6/30/2014	1,322	3,336	46,434	6,931	0								
6/30/2015	85,584	167,794	195,953	140,326									
6/30/2016	-14,095	72,618	134,584										
6/30/2017	87,893	42,302											
6/30/2018	69,595												

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	-0.7757	0.0628	0.0811	0.0183	0.0192	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2001	0.0046	0.0622	0.0082	0.0055	0.0119	0.0079	0.0000	0.0000	0.0000	0.0134	0.0090	0.0000	0.0000
6/30/2002	0.0378	0.0099	0.0210	0.2683	0.3170	-0.5061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.3120	0.1702	-0.1552	0.1368	0.0564	-0.0484	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	-0.0048	0.2554	0.0466	0.1437	0.0533	-0.0749	0.0000	0.0212	-0.0041	0.0007	0.0000	0.0000	0.0000
6/30/2005	0.1430	0.0458	0.0579	0.0881	0.0000	-0.0069	0.1692	0.1531	0.1081	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.0099	0.0157	0.0973	0.1263	0.0023	0.0258	0.0529	0.0064	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0786	0.0023	0.0410	0.0379	-0.0126	0.0015	0.0000	0.0000	0.0265	0.0007	0.0059	0.0000	
6/30/2008	0.1173	-0.0073	0.0998	0.0289	0.0046	-0.0017	0.0087	0.0000	0.0000	0.0000	0.0000		
6/30/2009	-0.0136	0.0050	0.0002	0.0163	0.0271	0.0239	0.0000	0.0000	0.0000	0.0000			
6/30/2010	0.0421	0.0181	0.0000	0.0000	0.0022	0.0022	0.0001	0.0000	0.0000				
6/30/2011	0.0062	0.0185	0.0238	0.0025	0.0091	0.0063	0.0111	0.0037					
6/30/2012	-0.0001	-0.0086	-0.0019	0.0019	0.0017	0.0012	0.0020						
6/30/2013	0.0011	0.0730	0.0806	0.0230	-0.0009	0.0012							
6/30/2014	0.0010	0.0026	0.0357	0.0053	0.0000								
6/30/2015	0.0360	0.0706	0.0824	0.0590									
6/30/2016	-0.0093	0.0478	0.0885										
6/30/2017	0.0499	0.0240											
6/30/2018	0.0228												

Best 3/5	0.0199	0.0474	0.0662	0.0103	0.0013	0.0032	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
UTAH
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	862,116	1,494,239	1,362,009	1,461,871	1,483,167	1,401,462	1,401,462	1,401,462	1,401,462	1,401,462	1,401,462
6/30/2001	991,233	873,462	910,844	913,546	972,535	922,535	917,535	912,535	962,535	962,535	962,535
6/30/2002	888,757	1,299,561	1,536,739	1,252,044	1,303,710	1,259,294	1,195,794	1,207,255	1,207,255	1,207,255	1,207,255
6/30/2003	579,454	580,779	711,787	810,627	729,626	729,625	729,625	729,625	729,625	729,625	729,625
6/30/2004	583,749	653,587	696,354	648,949	660,469	660,469	660,469	660,469	685,469	685,469	685,469
6/30/2005	1,039,203	731,805	1,013,313	855,454	801,454	801,454	798,954	748,954	748,954	748,954	748,954
6/30/2006	477,066	451,279	733,459	713,120	498,867	550,954	500,867	500,867	500,867	500,867	500,867
6/30/2007	676,031	723,838	831,053	833,703	768,703	766,103	766,103	766,103	766,103	766,103	766,103
6/30/2008	1,168,961	1,118,325	1,478,124	1,538,891	1,368,891	1,208,891	1,193,891	1,193,891	1,193,891	1,193,891	1,193,891
6/30/2009	944,184	1,197,245	1,212,029	1,142,307	1,174,307	1,193,670	1,202,495	1,202,495	1,202,495	1,202,495	1,202,495
6/30/2010	926,180	971,397	878,812	851,260	903,104	811,439	793,439	793,439	793,439	793,439	
6/30/2011	1,334,066	1,347,907	1,640,241	1,677,739	1,568,239	1,573,239	1,573,239	1,573,239	1,573,239	1,573,239	
6/30/2012	1,002,508	944,142	939,367	988,511	943,131	947,397	947,397	1,047,397			
6/30/2013	1,302,925	1,229,394	1,249,308	1,259,625	1,196,025	1,203,525	1,203,525				
6/30/2014	1,019,693	1,125,788	1,452,331	1,418,763	1,496,262	1,450,700					
6/30/2015	1,087,862	1,141,862	1,149,634	1,179,406	1,186,710						
6/30/2016	895,041	881,619	939,009	1,028,688							
6/30/2017	1,662,814	1,480,729	1,622,242								
6/30/2018	1,485,551	1,947,249									
6/30/2019	1,605,199										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	1,401,462	1,401,462	1,401,462	1,401,462	1,401,462	1,401,462	1,401,462	1,401,462	1,401,462		
6/30/2001	962,535	962,535	962,535	962,535	962,535	962,535	962,535	962,535			
6/30/2002	1,207,255	1,207,255	1,207,255	1,207,255	1,207,255	1,207,255	1,207,255				
6/30/2003	729,625	729,625	729,625	729,625	729,625	729,625					
6/30/2004	685,469	685,469	685,469	685,469	685,469						
6/30/2005	748,954	748,954	748,954	748,954							
6/30/2006	500,867	500,867	500,867								
6/30/2007	766,103	766,103									
6/30/2008	1,193,891										

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

UTAH

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.733	0.912	1.073	1.015	0.945	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2001	0.881	1.043	1.003	1.065	0.949	0.995	0.995	1.055	1.000	1.000	1.000
6/30/2002	1.462	1.183	0.815	1.041	0.966	0.950	1.010	1.000	1.000	1.000	1.000
6/30/2003	1.002	1.226	1.139	0.900	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.120	1.065	0.932	1.018	1.000	1.000	1.000	1.038	1.000	1.000	1.000
6/30/2005	0.704	1.385	0.844	0.937	1.000	0.997	0.937	1.000	1.000	1.000	1.000
6/30/2006	0.946	1.625	0.972	0.700	1.104	0.909	1.000	1.000	1.000	1.000	1.000
6/30/2007	1.071	1.148	1.003	0.922	0.997	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2008	0.957	1.322	1.041	0.890	0.883	0.988	1.000	1.000	1.000	1.000	1.000
6/30/2009	1.268	1.012	0.942	1.028	1.016	1.007	1.000	1.000	1.000	1.000	1.000
6/30/2010	1.049	0.905	0.969	1.061	0.899	0.978	1.000	1.000	1.000	1.000	1.000
6/30/2011	1.010	1.217	1.023	0.935	1.003	1.000	1.000	1.000			
6/30/2012	0.942	0.995	1.052	0.954	1.005	1.000	1.106				
6/30/2013	0.944	1.016	1.008	0.950	1.006	1.000					
6/30/2014	1.104	1.290	0.977	1.055	0.970						
6/30/2015	1.050	1.007	1.026	1.006							
6/30/2016	0.985	1.065	1.096								
6/30/2017	0.890	1.096									
6/30/2018	1.311										

3 Yr Mean 1.062 1.056 1.033 1.004 0.994 1.000 1.035 1.000 1.000 1.000 1.000

Best 3/5 1.046 1.059 1.029 0.970 0.993 1.000 1.000 1.000 1.000 1.000 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000					
6/30/2006	1.000	1.000						
6/30/2007	1.000							

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

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.993	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2016				0.970	0.993	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2017			1.029	0.970	0.993	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2018		1.059	1.029	0.970	0.993	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2019	1.046	1.059	1.029	0.970	0.993	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.993
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.963
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.991
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.050
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.098

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	74,708	144,292	249,803	265,533	273,420	299,305	297,248	297,248	297,248	297,248	297,248
6/30/2001	51,436	92,627	177,454	222,422	289,918	306,645	329,453	225,993	227,157	227,157	227,157
6/30/2002	159,670	245,114	416,713	429,207	359,793	528,516	413,672	428,725	430,823	430,823	430,823
6/30/2003	66,727	103,629	122,501	165,597	177,359	259,253	260,536	260,768	260,768	260,768	260,768
6/30/2004	66,725	127,826	256,292	198,080	199,871	193,614	203,615	253,616	247,459	247,459	247,459
6/30/2005	104,538	113,161	226,391	182,346	170,611	170,880	178,424	178,471	178,471	178,471	178,471
6/30/2006	11,413	43,588	107,532	226,315	288,571	421,857	464,606	463,157	463,157	463,157	463,157
6/30/2007	16,345	43,895	107,635	182,339	198,967	197,114	197,114	197,114	197,114	197,114	197,114
6/30/2008	52,066	209,575	322,730	380,330	444,445	467,933	459,273	459,273	459,273	459,273	459,273
6/30/2009	52,324	128,158	273,827	377,872	518,568	503,316	535,122	644,260	644,260	644,260	644,260
6/30/2010	47,484	125,677	287,169	508,106	537,642	562,045	579,392	579,335	580,788	580,788	
6/30/2011	331,545	410,682	572,007	503,708	614,567	669,162	682,592	682,592	682,592		
6/30/2012	90,349	150,946	164,461	208,236	197,487	204,988	205,540	493,940			
6/30/2013	69,801	139,794	258,706	733,270	1,373,217	1,372,865	1,372,880				
6/30/2014	117,598	201,580	450,080	603,622	701,320	770,562					
6/30/2015	29,234	46,637	97,196	122,317	144,130						
6/30/2016	275,948	945,282	443,743	492,916							
6/30/2017	187,875	155,071	288,309								
6/30/2018	127,917	204,248									
6/30/2019	121,776										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	297,248	297,248	297,248	297,248	297,248	297,248	297,248	297,248	297,248
6/30/2001	227,157	227,157	227,157	227,157	227,157	227,157	227,157	227,157	
6/30/2002	430,823	430,823	430,823	430,823	430,823	430,823	430,823		
6/30/2003	260,768	260,768	260,768	260,768	260,768	260,768			
6/30/2004	247,459	247,459	247,459	247,459	247,459				
6/30/2005	178,471	178,471	178,471	178,471					
6/30/2006	463,157	463,157	463,157						
6/30/2007	197,114	197,114							
6/30/2008	459,273								

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

	Increments												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	69,584	105,511	15,730	7,887	25,885	-2,057	0	0	0	0	0	0	0
6/30/2001	41,191	84,827	44,968	67,496	16,727	22,808	-103,460	1,164	0	0	0	0	0
6/30/2002	85,444	171,599	12,494	-69,414	168,723	-114,844	15,053	2,098	0	0	0	0	0
6/30/2003	36,902	18,872	43,096	11,762	81,894	1,283	232	0	0	0	0	0	0
6/30/2004	61,101	128,466	-58,212	1,791	-6,257	10,001	50,001	-6,157	0	0	0	0	0
6/30/2005	8,623	113,230	-44,045	-11,735	269	7,544	47	0	0	0	0	0	0
6/30/2006	32,175	63,944	118,783	62,256	133,286	42,749	-1,449	0	0	0	0	0	0
6/30/2007	27,550	63,740	74,704	16,628	-1,853	0	0	0	0	0	0	0	0
6/30/2008	157,509	113,155	57,600	64,115	23,488	-8,660	0	0	0	0	0	0	0
6/30/2009	75,834	145,669	104,045	140,696	-15,252	31,806	109,138	0	0	0	0	0	0
6/30/2010	78,193	161,492	220,937	29,536	24,403	17,347	-57	1,453	0	0	0	0	0
6/30/2011	79,137	161,325	-68,299	110,859	54,595	13,430	0	0	0	0	0	0	0
6/30/2012	60,597	13,515	43,775	-10,749	7,501	552	288,400	0	0	0	0	0	0
6/30/2013	69,993	118,912	474,564	639,947	-352	15	0	0	0	0	0	0	0
6/30/2014	83,982	248,500	153,542	97,698	69,242	0	0	0	0	0	0	0	0
6/30/2015	17,403	50,559	25,121	21,813	0	0	0	0	0	0	0	0	0
6/30/2016	669,334	-501,539	49,173	0	0	0	0	0	0	0	0	0	0
6/30/2017	-32,804	133,238	0	0	0	0	0	0	0	0	0	0	0
6/30/2018	76,331	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	0.0349	0.0530	0.0079	0.0040	0.0130	-0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2001	0.0295	0.0608	0.0322	0.0484	0.0120	0.0163	-0.0741	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0442	0.0888	0.0065	-0.0359	0.0873	-0.0594	0.0078	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0292	0.0149	0.0340	0.0093	0.0647	0.0010	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0515	0.1083	-0.0491	0.0015	-0.0053	0.0084	0.0421	-0.0052	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0073	0.0955	-0.0372	-0.0099	0.0002	0.0064	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.0356	0.0708	0.1316	0.0690	0.1477	0.0474	-0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0328	0.0758	0.0888	0.0198	-0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.0935	0.0672	0.0342	0.0381	0.0139	-0.0051	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2009	0.0407	0.0782	0.0559	0.0755	-0.0082	0.0171	0.0586	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0712	0.1470	0.2011	0.0269	0.0222	0.0158	-0.0001	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.0292	0.0595	-0.0252	0.0409	0.0201	0.0050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.0368	0.0082	0.0266	-0.0065	0.0046	0.0003	0.1751	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.0326	0.0553	0.2207	0.2977	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.0353	0.1045	0.0645	0.0411	0.0291	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.0115	0.0335	0.0167	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	0.3320	-0.2488	0.0244	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	-0.0103	0.0417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0222	0.0435	0.0385	0.0321	0.0156	0.0070	0.0195	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
UTAH
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	219,804	181,324	181,624	176,581	176,581	176,581	176,581	200,581	208,081	207,184	207,184
6/30/2001	216,173	201,785	285,753	285,753	340,754	335,754	335,753	335,753	285,753	285,753	285,753
6/30/2002	152,782	159,248	151,548	106,548	206,548	201,548	201,548	201,548	201,548	201,548	201,548
6/30/2003	71,880	77,241	81,340	81,744	76,340	126,340	76,340	76,340	76,340	76,340	76,340
6/30/2004	173,478	185,096	175,096	235,096	195,096	195,096	195,096	195,096	195,096	195,096	195,096
6/30/2005	239,417	155,001	139,173	175,923	190,923	188,423	188,423	188,423	188,423	188,423	188,423
6/30/2006	45,511	124,922	145,422	137,739	137,739	137,739	137,739	137,739	137,739	137,739	137,739
6/30/2007	258,309	408,687	385,687	363,931	363,931	363,931	363,931	463,931	463,931	463,931	463,931
6/30/2008	241,582	228,438	113,438	112,822	212,822	212,822	212,822	212,822	237,822	287,822	212,822
6/30/2009	273,297	274,484	343,203	343,203	343,204	343,203	343,203	343,203	343,203	343,203	343,203
6/30/2010	102,616	129,576	133,376	224,576	224,576	224,576	224,576	224,576	224,576	224,576	
6/30/2011	145,136	81,523	69,008	169,007	69,007	69,007	69,007	69,007	69,007		
6/30/2012	236,729	298,928	245,338	272,338	272,338	272,338	272,338	272,338			
6/30/2013	298,729	288,532	284,358	209,471	209,931	309,659	309,659				
6/30/2014	222,011	224,727	112,727	147,727	157,727	197,727					
6/30/2015	318,937	221,864	261,362	218,674	168,674						
6/30/2016	96,868	78,682	127,899	86,099							
6/30/2017	213,963	185,264	177,001								
6/30/2018	459,292	470,825									
6/30/2019	285,557										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	207,185	207,184	207,184	207,184	207,184	207,184	207,184	207,184	207,184
6/30/2001	285,753	285,753	285,753	285,753	285,753	285,753	285,753	285,753	
6/30/2002	201,548	201,548	201,548	201,548	201,548	201,548	201,548		
6/30/2003	76,340	76,340	76,340	76,340	76,340	76,340			
6/30/2004	195,096	195,096	195,096	195,096	195,096				
6/30/2005	188,423	188,423	188,423	188,423					
6/30/2006	137,739	137,739	137,739						
6/30/2007	463,931	463,931							
6/30/2008	212,822								

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

UTAH

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	0.825	1.002	0.972	1.000	1.000	1.000	1.136	1.037	0.996	1.000	1.000
6/30/2001	0.933	1.416	1.000	1.192	0.985	1.000	1.000	0.851	1.000	1.000	1.000
6/30/2002	1.042	0.952	0.703	1.939	0.976	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2003	1.075	1.053	1.005	0.934	1.655	0.604	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.067	0.946	1.343	0.830	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2005	0.647	0.898	1.264	1.085	0.987	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2006	2.745	1.164	0.947	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2007	1.582	0.944	0.944	1.000	1.000	1.000	1.275	1.000	1.000	1.000	1.000
6/30/2008	0.946	0.497	0.995	1.886	1.000	1.000	1.000	1.117	1.210	0.739	1.000
6/30/2009	1.004	1.250	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
6/30/2010	1.263	1.029	1.684	1.000	1.000	1.000	1.000	1.000	1.000		
6/30/2011	0.562	0.846	2.449	0.408	1.000	1.000	1.000	1.000			
6/30/2012	1.263	0.821	1.110	1.000	1.000	1.000	1.000				
6/30/2013	0.966	0.986	0.737	1.002	1.475	1.000					
6/30/2014	1.012	0.502	1.310	1.068	1.254						
6/30/2015	0.696	1.178	0.837	0.771							
6/30/2016	0.812	1.626	0.673								
6/30/2017	0.866	0.955									
6/30/2018	1.025										

3 Yr Mean 0.901 1.253 0.940 0.947 1.243 1.000 1.000 1.000 1.070 0.913 1.000

Best 3/5 0.897 1.040 0.895 0.924 1.085 1.000 1.000 1.000 1.000 1.000 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000					
6/30/2006	1.000	1.000						
6/30/2007	1.000							

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

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.085	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2016				0.924	1.085	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2017			0.895	0.924	1.085	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2018		1.040	0.895	0.924	1.085	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2019	0.897	1.040	0.895	0.924	1.085	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.085
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.003
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.897
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.933
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.837

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	25,121	21,851	21,851	22,390	22,606	22,606	22,606	35,106	24,106	24,096	24,096
6/30/2001	18,160	2,399	7,113	7,113	482,502	727,049	882,447	932,447	911,158	936,158	936,158
6/30/2002	15,099	29,716	56,337	155,871	382,733	544,830	544,830	544,830	544,830	544,830	544,830
6/30/2003	8,068	8,641	12,252	13,069	18,364	18,364	18,364	18,364	18,364	18,364	18,364
6/30/2004	16,581	25,078	24,478	24,528	26,905	26,905	26,905	26,905	26,905	26,905	26,905
6/30/2005	8,528	2,138	27,734	5,490	6,805	15,516	15,516	15,516	15,516	15,516	15,516
6/30/2006	1,568	54,401	53,655	54,483	54,829	54,829	54,829	54,829	54,829	54,829	54,829
6/30/2007	11,942	96,854	148,368	150,218	151,120	151,120	151,125	151,125	151,125	151,125	151,125
6/30/2008	113,853	68,274	9,987	9,987	87,507	25,888	30,312	31,288	56,320	67,123	56,902
6/30/2009	36,120	65,247	67,964	67,964	69,552	84,936	85,563	85,563	85,563	85,563	85,563
6/30/2010	13,683	192,413	198,696	271,451	271,451	271,451	271,451	271,451	271,451	271,451	
6/30/2011	3,105	4,405	4,405	54,158	4,405	4,405	4,405	4,405	4,405		
6/30/2012	16,953	39,562	77,544	82,487	78,714	78,714	78,714	78,714			
6/30/2013	242,721	296,288	324,306	315,566	331,117	331,484	334,144				
6/30/2014	68,148	77,972	70,067	93,123	82,451	83,416					
6/30/2015	70,068	156,590	243,494	251,646	210,460						
6/30/2016	23,914	10,374	39,253	75,708							
6/30/2017	18,390	20,237	20,188								
6/30/2018	106,147	212,591									
6/30/2019	42,735										

A.Y.E.	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	24,096	24,096	24,096	24,096	24,096	24,096	24,096	24,096	24,096
6/30/2001	936,158	936,158	936,158	936,158	936,158	936,158	936,158	936,158	
6/30/2002	544,830	544,830	544,830	544,830	544,830	544,830	544,830		
6/30/2003	18,364	18,364	18,364	18,364	18,364	18,364			
6/30/2004	26,905	26,905	26,905	26,905	26,905				
6/30/2005	15,516	15,516	15,516	15,516					
6/30/2006	54,829	54,829	54,829						
6/30/2007	151,125	151,125							
6/30/2008	56,902								

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

	Increments												
<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	-3,270	0	539	216	0	0	12,500	-11,000	-10	0	0	0	0
6/30/2001	-15,761	4,714	0	475,389	244,547	155,398	50,000	-21,289	25,000	0	0	0	0
6/30/2002	14,617	26,621	99,534	226,862	162,097	0	0	0	0	0	0	0	0
6/30/2003	573	3,611	817	5,295	0	0	0	0	0	0	0	0	0
6/30/2004	8,497	-600	50	2,377	0	0	0	0	0	0	0	0	0
6/30/2005	-6,390	25,596	-22,244	1,315	8,711	0	0	0	0	0	0	0	0
6/30/2006	52,833	-746	828	346	0	0	0	0	0	0	0	0	0
6/30/2007	84,912	51,514	1,850	902	0	5	0	0	0	0	0	0	0
6/30/2008	-45,579	-58,287	0	77,520	-61,619	4,424	976	25,032	10,803	-10,221	0	0	0
6/30/2009	29,127	2,717	0	1,588	15,384	627	0	0	0	0	0	0	0
6/30/2010	178,730	6,283	72,755	0	0	0	0	0	0	0	0	0	0
6/30/2011	1,300	0	49,753	-49,753	0	0	0	0	0	0	0	0	0
6/30/2012	22,609	37,982	4,943	-3,773	0	0	0	0	0	0	0	0	0
6/30/2013	53,567	28,018	-8,740	15,551	367	2,660	0	0	0	0	0	0	0
6/30/2014	9,824	-7,905	23,056	-10,672	965	0	0	0	0	0	0	0	0
6/30/2015	86,522	86,904	1,552	-41,186	0	0	0	0	0	0	0	0	0
6/30/2016	-13,540	28,879	36,455	0	0	0	0	0	0	0	0	0	0
6/30/2017	1,847	-49	0	0	0	0	0	0	0	0	0	0	0
6/30/2018	106,444	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages												
<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	-0.0158	0.0000	0.0026	0.0010	0.0000	0.0000	0.0603	-0.0531	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2001	-0.0551	0.0165	0.0000	1.6620	0.8549	0.5433	0.1748	-0.0744	0.0874	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0257	0.0468	0.1751	0.3992	0.2852	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0075	0.0472	0.0107	0.0692	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0295	-0.0021	0.0002	0.0082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	-0.0335	0.1344	-0.1168	0.0069	0.0457	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.2295	-0.0032	0.0036	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.1717	0.1042	0.0037	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2008	-0.1957	-0.2503	0.0000	0.3329	-0.2646	0.0190	0.0042	0.1075	0.0464	-0.0439	0.0000	0.0000	0.0000
6/30/2009	0.0354	0.0033	0.0000	0.0019	0.0187	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.6663	0.0234	0.2712	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.0186	0.0000	0.7103	-0.7103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.0696	0.1168	0.0152	-0.0116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.0731	0.0383	-0.0119	0.0212	0.0005	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.0475	-0.0382	0.1115	-0.0516	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.4732	0.4753	0.0446	-0.2253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	-0.1460	0.3114	0.3931	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.0095	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.1395	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0655	0.1165	0.0571	-0.0962	0.0002	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:												
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months	
6/30/2000	59,418,355	92,903,542	135,796,146	152,864,283	159,182,471	158,650,099	158,009,893	156,943,675	156,234,483	155,902,671	155,525,041	
6/30/2001	53,942,975	115,086,326	156,563,678	172,700,484	177,528,610	173,046,472	170,084,863	169,016,832	168,539,391	168,606,388	168,200,263	
6/30/2002	53,305,747	92,050,593	121,580,952	137,321,130	136,967,410	133,795,667	131,946,076	130,942,906	130,978,819	130,756,193	131,065,569	
6/30/2003	55,794,240	90,725,178	123,844,045	135,582,193	133,530,278	130,494,948	129,707,971	128,839,604	128,181,122	128,097,281	127,646,370	
6/30/2004	61,340,533	99,705,886	134,005,325	140,743,005	137,354,027	135,520,727	133,241,038	132,229,061	131,880,632	132,112,019	132,041,196	
6/30/2005	57,051,057	93,258,986	121,003,683	129,164,144	126,488,147	123,092,920	121,631,180	121,195,833	120,865,278	121,029,182	121,080,246	
6/30/2006	62,654,103	95,361,286	118,898,942	124,209,042	122,190,344	121,149,378	121,851,932	121,863,620	121,031,125	120,631,780	120,166,823	
6/30/2007	61,740,867	92,737,953	117,457,266	123,026,771	122,536,782	122,081,714	120,948,570	120,974,563	120,928,133	120,629,781	120,776,599	
6/30/2008	66,491,366	100,195,750	128,927,650	135,608,709	134,368,465	133,292,331	133,369,930	132,704,905	132,385,690	132,356,027	132,516,112	
6/30/2009	64,834,643	102,855,362	125,697,635	136,464,284	135,754,710	134,773,903	134,291,961	133,634,051	133,075,824	132,882,288	133,211,412	
6/30/2010	70,335,191	100,246,918	128,277,696	134,834,062	135,786,003	133,812,375	133,263,616	133,604,246	133,850,283	133,670,033		
6/30/2011	70,377,147	110,002,473	136,697,587	148,534,284	146,720,247	144,374,214	144,392,721	144,062,873	143,961,944			
6/30/2012	64,887,463	96,605,360	122,813,008	129,621,313	129,387,677	129,210,121	129,618,314	129,436,208				
6/30/2013	57,311,212	93,947,144	113,245,564	119,790,249	122,453,655	122,378,634	122,093,654					
6/30/2014	68,897,094	102,946,796	135,111,352	147,944,125	146,301,092	145,867,281						
6/30/2015	58,090,373	92,302,966	125,304,935	133,208,386	134,614,821							
6/30/2016	50,703,388	85,059,403	113,941,957	125,265,606								
6/30/2017	58,732,971	89,429,211	119,620,179									
6/30/2018	60,067,530	99,512,710										
6/30/2019	59,345,793											

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

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FULL COVERAGE
MULTISTATE

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

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.564	1.462	1.126	1.041	0.997	0.996	0.993	0.995	0.998	0.998	1.000
6/30/2001	2.133	1.360	1.103	1.028	0.975	0.983	0.994	0.997	1.000	0.998	1.001
6/30/2002	1.727	1.321	1.129	0.997	0.977	0.986	0.992	1.000	0.998	1.002	0.996
6/30/2003	1.626	1.365	1.095	0.985	0.977	0.994	0.993	0.995	0.999	0.996	1.002
6/30/2004	1.625	1.344	1.050	0.976	0.987	0.983	0.992	0.997	1.002	0.999	1.001
6/30/2005	1.635	1.298	1.067	0.979	0.973	0.988	0.996	0.997	1.001	1.000	1.001
6/30/2006	1.522	1.247	1.045	0.984	0.991	1.006	1.000	0.993	0.997	0.996	1.001
6/30/2007	1.502	1.267	1.047	0.996	0.996	0.991	1.000	1.000	0.998	1.001	0.999
6/30/2008	1.507	1.287	1.052	0.991	0.992	1.001	0.995	0.998	1.000	1.001	1.001
6/30/2009	1.586	1.222	1.086	0.995	0.993	0.996	0.995	0.996	0.999	1.002	
6/30/2010	1.425	1.280	1.051	1.007	0.985	0.996	1.003	1.002	0.999		
6/30/2011	1.563	1.243	1.087	0.988	0.984	1.000	0.998	0.999			
6/30/2012	1.489	1.271	1.055	0.998	0.999	1.003	0.999				
6/30/2013	1.639	1.205	1.058	1.022	0.999	0.998					
6/30/2014	1.494	1.312	1.095	0.989	0.997						
6/30/2015	1.589	1.358	1.063	1.011							
6/30/2016	1.678	1.340	1.099								
6/30/2017	1.523	1.338									
6/30/2018	1.657										
3 Yr Mean	1.619	1.345	1.086	1.007	0.998	1.000	1.000	0.999	0.999	1.001	1.000
Best 3/5	1.590	1.330	1.072	0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	0.999	1.000	1.001	1.000	1.001	1.000	1.000	1.001			
6/30/2001	1.000	1.001	1.000	0.998	1.001	0.998	1.000	1.001 *			
6/30/2002	1.000	0.999	1.000	1.000	1.000	1.001	1.001 *	1.001 *			
6/30/2003	0.999	0.998	1.000	1.000	1.002	1.001 *	1.001 *	1.001 *			
6/30/2004	1.000	1.001	1.000	1.001	1.000 *	1.001 *	1.001 *	1.001 *			
6/30/2005	1.000	1.000	1.000								
6/30/2006	1.004	1.000									
6/30/2007	1.001										
3 Yr Mean	1.002	1.000	1.000	1.000	1.001 @	1.000 @	1.000 @	1.001 @			
Best 3/5	1.000	1.000	1.000	1.000	1.001 *	1.001 *	1.001 *	1.001 *			

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.994	0.998	0.997	0.999	0.999	1.001	1.001
6/30/2016				0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001
6/30/2017			1.072	0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001
6/30/2018		1.330	1.072	0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001
6/30/2019	1.590	1.330	1.072	0.999	0.994	0.998	0.997	0.999	0.999	1.001	1.001

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

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	3,941,351	8,127,499	13,489,871	16,670,703	13,604,966	13,791,475	15,135,878	14,367,545	14,191,684	14,233,595	14,052,787
6/30/2001	5,464,491	11,674,896	16,088,050	14,588,558	14,572,751	16,140,363	16,054,237	15,556,710	15,065,178	15,230,310	15,224,462
6/30/2002	5,373,405	10,452,744	13,793,654	15,494,172	15,228,496	15,685,777	14,907,996	15,303,966	14,956,095	15,142,704	15,260,094
6/30/2003	7,665,961	10,442,988	13,918,873	16,383,682	17,052,281	16,018,486	15,821,858	15,479,197	15,468,082	15,283,903	15,691,667
6/30/2004	6,823,508	11,858,280	15,565,208	18,268,194	17,007,661	17,268,751	16,062,622	16,599,207	16,321,870	16,560,908	16,458,238
6/30/2005	7,220,573	12,721,393	16,051,071	16,188,083	16,852,863	16,309,719	16,623,907	16,435,953	16,235,302	15,853,371	15,895,372
6/30/2006	9,325,349	13,883,299	18,547,968	20,126,620	18,918,103	19,237,253	19,476,197	19,248,710	19,229,497	19,082,381	19,239,809
6/30/2007	9,397,504	14,055,412	17,062,934	19,365,173	19,232,756	19,278,946	19,023,794	19,328,510	19,523,111	19,728,336	19,716,901
6/30/2008	11,276,209	15,182,735	19,028,527	20,959,111	21,431,256	20,478,270	20,926,084	20,888,721	20,962,308	20,887,644	20,886,071
6/30/2009	7,078,925	13,737,446	16,607,935	17,342,308	18,508,238	18,295,980	18,515,202	18,274,182	18,514,243	18,646,847	18,812,572
6/30/2010	10,375,187	14,437,696	17,282,575	18,977,518	19,583,440	20,085,579	19,851,581	19,484,941	19,510,868	19,383,868	
6/30/2011	10,692,117	15,791,104	19,399,035	20,786,308	20,682,382	20,780,637	20,892,769	20,673,618	20,622,805		
6/30/2012	8,478,543	14,954,825	19,581,809	20,930,848	21,117,127	21,071,379	21,279,052	21,306,068			
6/30/2013	8,753,818	15,015,028	16,912,388	18,939,284	19,008,857	19,041,920	18,887,546				
6/30/2014	11,103,666	17,321,357	21,063,342	24,173,231	25,243,405	25,509,918					
6/30/2015	9,065,196	15,976,345	21,912,934	25,400,823	25,507,779						
6/30/2016	9,031,618	14,427,489	21,604,143	23,439,341							
6/30/2017	10,134,706	15,883,364	21,357,202								
6/30/2018	12,079,521	19,638,997									
6/30/2019	9,390,308										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	14,101,933	14,192,333	14,174,834	14,179,829	14,174,829	14,081,329	14,081,329	14,118,829	14,081,330		
6/30/2001	15,121,324	15,341,604	15,364,508	15,325,308	15,322,807	15,325,807	15,328,308	15,425,308			
6/30/2002	15,840,417	15,884,346	15,980,006	16,094,407	15,955,735	16,003,235	16,000,235				
6/30/2003	15,874,835	15,931,302	15,927,133	15,878,132	15,935,632	15,935,632					
6/30/2004	16,455,910	16,519,410	16,519,410	16,617,000	16,617,000						
6/30/2005	15,860,795	15,635,162	15,712,662	15,712,662							
6/30/2006	19,373,011	19,397,709	19,397,710								
6/30/2007	19,993,916	19,989,865									
6/30/2008	20,795,571										

PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 DEDUCTIBLE
 MULTISTATE
 BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	2.062	1.660	1.236	0.816	1.014	1.097	0.949	0.988	1.003	0.987	1.003
6/30/2001	2.137	1.378	0.907	0.999	1.108	0.995	0.969	0.968	1.011	1.000	0.993
6/30/2002	1.945	1.320	1.123	0.983	1.030	0.950	1.027	0.977	1.012	1.008	1.038
6/30/2003	1.362	1.333	1.177	1.041	0.939	0.988	0.978	0.999	0.988	1.027	1.012
6/30/2004	1.738	1.313	1.174	0.931	1.015	0.930	1.033	0.983	1.015	0.994	1.000
6/30/2005	1.762	1.262	1.009	1.041	0.968	1.019	0.989	0.988	0.976	1.003	0.998
6/30/2006	1.489	1.336	1.085	0.940	1.017	1.012	0.988	0.999	0.992	1.008	1.007
6/30/2007	1.496	1.214	1.135	0.993	1.002	0.987	1.016	1.010	1.011	0.999	1.014
6/30/2008	1.346	1.253	1.101	1.023	0.956	1.022	0.998	1.004	0.996	1.000	0.996
6/30/2009	1.941	1.209	1.044	1.067	0.989	1.012	0.987	1.013	1.007	1.009	
6/30/2010	1.392	1.197	1.098	1.032	1.026	0.988	0.982	1.001	0.993		
6/30/2011	1.477	1.228	1.072	0.995	1.005	1.005	0.990	0.998			
6/30/2012	1.764	1.309	1.069	1.009	0.998	1.010	1.001				
6/30/2013	1.715	1.126	1.120	1.004	1.002	0.992					
6/30/2014	1.560	1.216	1.148	1.044	1.011						
6/30/2015	1.762	1.372	1.159	1.004							
6/30/2016	1.597	1.497	1.085								
6/30/2017	1.567	1.345									
6/30/2018	1.626										
3 Yr Mean	1.597	1.405	1.131	1.017	1.004	1.002	0.991	1.004	0.999	1.003	1.006
Best 3/5	1.597	1.311	1.118	1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002

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

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.006	1.002	0.992	1.005	0.999	1.004	1.002
6/30/2016				1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002
6/30/2017			1.118	1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002
6/30/2018		1.311	1.118	1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002
6/30/2019	1.597	1.311	1.118	1.006	1.006	1.002	0.992	1.005	0.999	1.004	1.002

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

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

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	9,248,225	21,955,803	43,592,378	65,793,440	79,924,504	85,138,286	92,937,003	94,344,372	92,335,863	95,362,248	92,554,063
6/30/2001	9,356,491	27,217,691	54,387,656	79,181,036	96,065,153	102,504,389	105,559,945	107,902,191	109,440,749	110,327,367	112,122,534
6/30/2002	10,331,026	25,360,625	48,177,854	70,487,716	81,274,951	85,783,657	92,689,904	94,037,031	94,375,218	95,475,571	95,453,003
6/30/2003	10,220,905	26,242,758	46,624,362	65,830,575	75,174,340	81,698,263	84,161,618	86,050,671	87,158,510	87,765,370	87,819,319
6/30/2004	8,948,502	22,926,286	46,845,462	66,081,925	75,535,698	83,216,414	85,474,073	87,139,449	87,539,602	88,104,677	88,351,454
6/30/2005	8,966,025	24,270,727	43,632,406	61,665,625	71,868,133	75,449,639	77,281,036	78,420,410	80,110,303	80,348,780	80,607,989
6/30/2006	6,811,337	22,469,975	44,443,668	61,012,012	72,840,507	78,338,022	83,816,801	86,339,899	87,174,993	89,047,122	89,229,471
6/30/2007	8,306,300	23,871,443	46,249,490	63,264,988	71,917,334	76,986,577	79,041,446	80,342,547	80,828,900	81,362,534	81,456,834
6/30/2008	8,800,275	23,857,367	50,905,523	71,220,445	84,336,032	90,017,263	94,905,269	96,554,400	97,610,032	98,272,189	98,658,181
6/30/2009	9,656,636	24,732,461	47,333,338	67,348,769	78,592,235	88,482,285	90,958,161	92,204,443	92,715,118	93,284,608	94,336,072
6/30/2010	11,724,370	29,261,451	57,691,066	82,063,609	94,543,330	100,139,288	102,098,538	104,452,488	105,292,601	105,563,361	
6/30/2011	12,119,511	34,627,239	57,601,903	81,454,551	93,293,669	105,549,311	107,800,703	109,211,572	110,147,324		
6/30/2012	11,801,174	28,912,171	56,780,056	79,417,456	92,656,997	98,949,182	104,120,329	105,344,808			
6/30/2013	10,051,313	27,554,033	52,415,669	76,025,621	88,712,181	95,207,170	97,995,195				
6/30/2014	10,149,714	28,975,944	59,388,570	84,978,025	96,963,602	104,290,551					
6/30/2015	10,380,228	26,699,496	55,460,451	75,524,687	85,532,854						
6/30/2016	8,872,476	26,975,798	51,288,151	74,930,502							
6/30/2017	11,699,144	29,408,481	55,565,773								
6/30/2018	11,587,264	31,019,854									
6/30/2019	11,804,182										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	92,743,207	92,911,441	92,998,354	93,121,810	93,197,845	93,473,945	93,508,296	93,773,942	93,961,578
6/30/2001	113,158,317	113,225,714	114,089,404	114,792,647	115,084,374	115,842,555	116,690,225	116,891,808	
6/30/2002	95,635,529	96,182,913	96,531,067	96,626,137	96,701,582	96,835,832	97,047,866		
6/30/2003	88,099,650	88,606,400	88,706,745	88,932,185	88,963,620	89,019,579			
6/30/2004	88,367,382	88,365,287	88,409,182	88,144,409	88,145,884				
6/30/2005	80,741,343	81,307,163	81,429,517	81,751,375					
6/30/2006	89,915,588	90,245,391	91,191,078						
6/30/2007	81,617,731	81,618,629							
6/30/2008	98,638,661								

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

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

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

Best 3/5	0.0650	0.0999	0.0891	0.0446	0.0252	0.0096	0.0054	0.0029	0.0023	0.0011	0.0005	0.0012	0.0008
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PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:												
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months	
6/30/2000	102,661,327	127,396,292	129,641,311	135,140,611	135,037,844	134,215,283	133,116,719	133,775,962	134,110,074	134,603,164	134,453,431	
6/30/2001	111,538,077	119,161,517	129,791,407	134,669,083	135,134,427	135,656,279	136,436,945	136,267,325	136,777,176	137,188,395	137,931,509	
6/30/2002	93,247,753	106,511,754	111,445,991	113,125,901	113,081,618	113,999,985	113,776,474	113,911,978	114,065,581	114,547,922	114,865,890	
6/30/2003	80,176,330	89,102,490	93,731,347	95,685,239	95,511,629	96,157,049	96,415,913	97,469,538	97,652,723	97,708,065	97,916,690	
6/30/2004	91,097,100	104,023,086	108,326,329	108,752,689	109,263,429	109,788,692	109,677,538	110,135,059	110,387,581	110,466,061	110,723,407	
6/30/2005	96,308,770	103,379,002	104,206,844	106,362,410	106,817,619	106,810,290	107,300,657	108,185,736	108,370,847	108,848,779	108,885,255	
6/30/2006	97,260,578	106,157,692	108,766,605	109,971,737	110,989,155	111,950,024	112,511,441	112,903,641	113,100,644	113,804,507	113,847,961	
6/30/2007	101,710,422	111,038,262	113,434,698	114,991,640	116,636,567	117,530,068	118,402,116	119,091,838	120,039,903	120,311,120	120,149,706	
6/30/2008	107,974,770	117,763,744	120,152,353	121,600,996	123,404,037	124,334,757	125,205,210	125,774,625	126,453,345	126,741,748	127,821,523	
6/30/2009	107,839,531	115,948,965	119,414,429	122,110,594	121,995,440	122,874,431	123,376,442	123,792,314	125,274,547	125,978,924	126,227,065	
6/30/2010	101,535,047	110,781,053	113,342,073	115,125,335	116,423,377	116,406,473	116,969,109	117,255,541	117,899,628	118,063,577		
6/30/2011	114,084,272	123,547,225	127,119,287	127,536,183	128,131,422	128,814,006	129,069,410	129,990,361	130,486,820			
6/30/2012	115,724,744	124,255,961	126,691,565	127,395,865	128,327,215	128,932,774	130,057,149	130,905,262				
6/30/2013	105,944,724	115,771,450	120,416,815	121,727,791	122,303,481	123,607,964	124,177,079					
6/30/2014	104,719,792	113,325,980	118,453,755	119,970,718	122,801,082	123,726,852						
6/30/2015	102,284,613	112,771,480	119,238,929	125,364,429	126,060,345							
6/30/2016	104,848,319	116,199,437	123,178,745	125,608,239								
6/30/2017	110,932,095	125,964,883	132,488,313									
6/30/2018	120,448,707	135,093,966										
6/30/2019	116,898,691											
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months			
6/30/2000	135,042,548	134,460,077	134,354,087	134,358,231	134,451,389	134,436,831	134,618,768	134,864,917	135,028,887			
6/30/2001	137,921,069	137,846,788	137,993,210	138,039,074	138,150,533	138,314,301	138,567,514	138,697,227				
6/30/2002	114,862,133	115,091,628	115,521,153	116,025,857	116,114,984	115,939,109	116,483,665					
6/30/2003	98,388,268	98,446,522	98,658,658	98,649,807	98,683,986	98,779,275						
6/30/2004	111,026,272	111,148,486	111,578,489	111,780,808	111,814,658							
6/30/2005	108,930,584	109,410,208	109,462,907	109,501,990								
6/30/2006	113,955,874	114,657,351	114,683,094									
6/30/2007	120,456,218	120,515,234										
6/30/2008	128,120,392											

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.241	1.018	1.042	0.999	0.994	0.992	1.005	1.002	1.004	0.999	1.004
6/30/2001	1.068	1.089	1.038	1.003	1.004	1.006	0.999	1.004	1.003	1.005	1.000
6/30/2002	1.142	1.046	1.015	1.000	1.008	0.998	1.001	1.001	1.004	1.003	1.000
6/30/2003	1.111	1.052	1.021	0.998	1.007	1.003	1.011	1.002	1.001	1.002	1.005
6/30/2004	1.142	1.041	1.004	1.005	1.005	0.999	1.004	1.002	1.001	1.002	1.003
6/30/2005	1.073	1.008	1.021	1.004	1.000	1.005	1.008	1.002	1.004	1.000	1.000
6/30/2006	1.091	1.025	1.011	1.009	1.009	1.005	1.003	1.002	1.006	1.000	1.001
6/30/2007	1.092	1.022	1.014	1.014	1.008	1.007	1.006	1.008	1.002	0.999	1.003
6/30/2008	1.091	1.020	1.012	1.015	1.008	1.007	1.005	1.005	1.002	1.009	1.002
6/30/2009	1.075	1.030	1.023	0.999	1.007	1.004	1.003	1.012	1.006	1.002	
6/30/2010	1.091	1.023	1.016	1.011	1.000	1.005	1.002	1.005	1.001		
6/30/2011	1.083	1.029	1.003	1.005	1.005	1.002	1.007	1.004			
6/30/2012	1.074	1.020	1.006	1.007	1.005	1.009	1.007				
6/30/2013	1.093	1.040	1.011	1.005	1.011	1.005					
6/30/2014	1.082	1.045	1.013	1.024	1.008						
6/30/2015	1.103	1.057	1.051	1.006							
6/30/2016	1.108	1.060	1.020								
6/30/2017	1.136	1.052									
6/30/2018	1.122										
3 Yr Mean	1.122	1.056	1.028	1.012	1.008	1.005	1.005	1.007	1.003	1.003	1.002
Best 3/5	1.111	1.051	1.015	1.006	1.006	1.005	1.005	1.006	1.003	1.001	1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	0.996	0.999	1.000	1.001	1.000	1.001	1.002	1.001			
6/30/2001	0.999	1.001	1.000	1.001	1.001	1.002	1.001	1.001 *			
6/30/2002	1.002	1.004	1.004	1.001	0.998	1.005	1.001 *	1.001 *			
6/30/2003	1.001	1.002	1.000	1.000	1.001	1.001 *	1.001 *	1.001 *			
6/30/2004	1.001	1.004	1.002	1.000	1.001 *	1.001 *	1.001 *	1.001 *			
6/30/2005	1.004	1.000	1.000								
6/30/2006	1.006	1.000									
6/30/2007	1.000										
3 Yr Mean	1.003	1.001	1.001	1.000	1.000 @	1.003 @	1.002 @	1.001 @			
Best 3/5	1.002	1.002	1.001	1.001	1.001 *	1.001 *	1.001 *	1.001 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.006	1.005	1.005	1.006	1.003	1.001	1.002
6/30/2016				1.006	1.006	1.005	1.005	1.006	1.003	1.001	1.002
6/30/2017			1.015	1.006	1.006	1.005	1.005	1.006	1.003	1.001	1.002
6/30/2018		1.051	1.015	1.006	1.006	1.005	1.005	1.006	1.003	1.001	1.002
6/30/2019	1.111	1.051	1.015	1.006	1.006	1.005	1.005	1.006	1.003	1.001	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.043
6/30/2016	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.049
6/30/2017	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.065
6/30/2018	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.119
6/30/2019	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.243

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

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

\$100,000 Basic Limit Losses as of:												
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months	
6/30/2000	17,673,675	22,108,271	25,001,569	27,241,256	28,001,814	27,754,507	28,102,944	27,933,654	28,047,877	28,348,695	28,646,289	
6/30/2001	20,940,497	26,001,196	28,398,309	29,878,968	30,356,461	30,772,349	31,066,677	31,806,376	32,401,002	32,373,406	32,085,749	
6/30/2002	19,194,547	23,680,907	23,886,327	24,026,676	24,379,225	25,607,403	25,660,486	26,313,057	26,291,869	26,357,931	26,355,078	
6/30/2003	19,975,742	21,790,867	21,959,531	22,529,924	23,684,404	23,582,781	24,072,694	24,288,895	24,482,993	24,687,867	24,718,206	
6/30/2004	20,012,295	22,879,381	24,915,859	25,152,370	25,341,072	25,857,002	26,040,661	26,192,753	26,276,736	26,354,121	26,512,244	
6/30/2005	21,094,878	23,983,166	25,747,473	26,303,541	26,396,925	26,084,589	26,360,298	26,494,550	26,959,431	27,145,596	27,241,773	
6/30/2006	20,984,380	24,358,050	25,391,313	25,715,173	25,495,867	25,778,894	25,985,259	26,188,650	26,334,463	26,732,434	26,698,176	
6/30/2007	24,879,237	26,525,350	27,646,747	27,597,777	27,494,570	27,244,526	27,605,737	27,490,615	27,534,031	27,655,349	27,705,260	
6/30/2008	25,902,340	28,878,327	30,205,350	31,036,227	30,481,547	30,971,562	31,129,502	31,103,275	31,547,743	31,672,568	31,815,617	
6/30/2009	27,150,650	27,485,317	28,662,436	28,868,280	28,695,095	28,678,532	28,409,304	28,740,068	28,966,992	29,147,572	29,146,740	
6/30/2010	21,354,848	23,074,353	23,448,995	23,745,828	23,738,685	23,861,160	24,485,451	24,381,149	24,554,984	24,532,897		
6/30/2011	22,720,306	23,645,352	24,491,764	24,246,283	24,443,116	24,663,483	24,743,616	25,231,705	25,014,563			
6/30/2012	21,917,930	24,092,545	24,879,321	25,157,589	25,131,256	25,318,254	25,513,918	25,500,312				
6/30/2013	20,476,337	22,840,025	23,865,248	23,846,693	23,413,535	23,390,529	23,460,398					
6/30/2014	22,237,658	24,162,553	24,654,007	24,911,288	25,108,344	25,387,437						
6/30/2015	23,708,573	26,288,165	27,062,341	27,962,234	27,956,023							
6/30/2016	24,671,300	26,339,545	27,395,020	26,613,959								
6/30/2017	21,601,096	24,953,274	26,969,719									
6/30/2018	24,312,634	26,344,705										
6/30/2019	22,453,806											
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months			
6/30/2000	28,588,071	28,403,187	28,402,784	28,357,784	28,360,115	28,208,092	28,224,659	28,227,838	28,229,522			
6/30/2001	32,263,545	32,436,704	32,545,972	32,554,564	32,454,377	32,503,444	32,516,722	32,528,767				
6/30/2002	26,539,135	26,580,664	26,418,748	26,284,831	26,294,995	26,207,234	26,194,214					
6/30/2003	24,786,803	24,727,745	24,681,698	24,768,514	24,727,942	24,735,216						
6/30/2004	26,500,572	26,467,889	26,504,604	26,512,560	26,621,775							
6/30/2005	27,121,437	27,300,316	27,365,808	27,212,795								
6/30/2006	26,880,154	26,803,603	26,817,228									
6/30/2007	27,801,753	27,793,534										
6/30/2008	31,765,718											

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
DEDUCTIBLE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.251	1.131	1.090	1.028	0.991	1.013	0.994	1.004	1.011	1.010	0.998
6/30/2001	1.242	1.092	1.052	1.016	1.014	1.010	1.024	1.019	0.999	0.991	1.006
6/30/2002	1.234	1.009	1.006	1.015	1.050	1.002	1.025	0.999	1.003	1.000	1.007
6/30/2003	1.091	1.008	1.026	1.051	0.996	1.021	1.009	1.008	1.008	1.001	1.003
6/30/2004	1.143	1.089	1.009	1.008	1.020	1.007	1.006	1.003	1.003	1.006	1.000
6/30/2005	1.137	1.074	1.022	1.004	0.988	1.011	1.005	1.018	1.007	1.004	0.996
6/30/2006	1.161	1.042	1.013	0.991	1.011	1.008	1.008	1.006	1.015	0.999	1.007
6/30/2007	1.066	1.042	0.998	0.996	0.991	1.013	0.996	1.002	1.004	1.002	1.003
6/30/2008	1.115	1.046	1.028	0.982	1.016	1.005	0.999	1.014	1.004	1.005	0.998
6/30/2009	1.012	1.043	1.007	0.994	0.999	0.991	1.012	1.008	1.006	1.000	
6/30/2010	1.081	1.016	1.013	1.000	1.005	1.026	0.996	1.007	0.999		
6/30/2011	1.041	1.036	0.990	1.008	1.009	1.003	1.020	0.991			
6/30/2012	1.099	1.033	1.011	0.999	1.007	1.008	0.999				
6/30/2013	1.115	1.045	0.999	0.982	0.999	1.003					
6/30/2014	1.087	1.020	1.010	1.008	1.011						
6/30/2015	1.109	1.029	1.033	1.000							
6/30/2016	1.068	1.040	0.971								
6/30/2017	1.155	1.081									
6/30/2018	1.084										
3 Yr Mean	1.102	1.050	1.005	0.997	1.006	1.005	1.005	1.002	1.003	1.002	1.003
Best 3/5	1.093	1.038	1.007	1.002	1.007	1.005	1.003	1.006	1.005	1.002	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	0.994	1.000	0.998	1.000	0.995	1.001	1.000	1.000			
6/30/2001	1.005	1.003	1.000	0.997	1.002	1.000	1.000	1.000 *			
6/30/2002	1.002	0.994	0.995	1.000	0.997	1.000	1.000 *	1.000 *			
6/30/2003	0.998	0.998	1.004	0.998	1.000	0.999 *	1.000 *	1.000 *			
6/30/2004	0.999	1.001	1.000	1.004	1.000 *	0.999 *	1.000 *	1.000 *			
6/30/2005	1.007	1.002	0.994								
6/30/2006	0.997	1.001									
6/30/2007	1.000										
3 Yr Mean	1.001	1.001	0.999	1.001	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.999	1.000	0.998	0.999	0.999 *	1.000 *	1.000 *	1.000 *			

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

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

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

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	9,259,565	16,755,240	21,739,170	29,440,835	35,010,131	40,767,178	44,240,220	47,342,439	50,512,090	51,834,831	51,653,659
6/30/2001	10,305,391	15,057,682	24,524,460	35,340,392	46,081,957	52,076,318	57,229,694	60,410,585	62,165,956	63,083,266	64,946,162
6/30/2002	7,318,287	14,569,822	20,992,159	27,748,897	34,186,680	39,049,047	41,604,047	42,805,944	44,218,213	44,453,156	44,966,695
6/30/2003	7,545,176	13,914,707	20,872,557	27,774,546	32,979,096	33,900,466	37,674,083	38,340,977	39,473,984	40,637,086	41,639,401
6/30/2004	6,456,908	13,374,881	21,498,127	28,825,049	33,065,897	36,039,345	37,154,675	38,682,804	39,906,405	40,382,646	40,894,580
6/30/2005	8,104,742	12,968,671	18,822,537	25,054,737	29,519,324	32,320,219	35,278,007	36,671,220	37,844,112	38,342,303	38,724,459
6/30/2006	7,940,920	14,193,778	22,052,718	28,185,528	33,536,663	37,770,224	40,166,051	42,228,197	43,809,935	45,000,716	45,884,753
6/30/2007	7,270,795	13,508,321	21,060,383	27,689,467	33,368,682	37,779,430	40,022,763	41,607,611	43,717,763	44,619,835	45,219,088
6/30/2008	8,943,343	16,889,120	25,871,163	33,289,818	39,144,351	41,116,072	43,145,842	46,774,479	48,587,781	50,788,565	51,820,926
6/30/2009	8,020,100	14,938,514	22,494,974	29,686,293	34,851,746	37,198,843	38,827,029	40,122,646	41,435,642	42,708,422	43,443,876
6/30/2010	8,906,045	17,861,522	23,693,746	30,793,502	34,860,647	36,663,524	39,663,472	40,629,264	42,631,081	43,434,212	
6/30/2011	8,915,118	15,331,728	24,018,708	30,069,115	33,369,369	36,040,563	37,407,109	39,313,407	40,995,695		
6/30/2012	9,966,205	16,695,953	23,398,336	26,357,303	30,428,057	33,236,799	33,941,640	35,111,832			
6/30/2013	9,378,284	18,762,659	28,963,568	38,098,424	44,884,864	49,017,488	51,130,609				
6/30/2014	9,003,782	18,686,345	28,876,549	35,313,476	42,128,460	46,147,356					
6/30/2015	7,590,175	14,890,302	23,783,794	32,794,668	42,811,350						
6/30/2016	9,957,987	20,132,354	27,220,501	33,774,371							
6/30/2017	9,774,690	16,649,737	24,311,703								
6/30/2018	10,569,978	19,072,363									
6/30/2019	11,458,814										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	53,231,730	53,106,119	52,684,170	52,685,513	52,721,322	52,726,609	52,805,172	52,842,520	52,933,234
6/30/2001	66,430,766	66,260,318	65,919,735	66,282,709	66,377,721	66,555,218	66,637,446	66,930,029	
6/30/2002	45,662,297	45,882,068	46,859,157	47,089,715	47,119,114	47,433,658	48,087,820		
6/30/2003	42,522,794	43,602,105	43,868,167	43,957,440	44,114,397	44,303,692			
6/30/2004	41,342,157	41,695,923	43,624,829	44,150,334	44,970,269				
6/30/2005	38,623,439	39,409,469	39,756,612	39,994,423					
6/30/2006	46,775,260	47,371,810	47,924,855						
6/30/2007	45,870,473	46,379,884							
6/30/2008	52,774,447								

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

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

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

Best 3/5	0.0451	0.0490	0.0410	0.0339	0.0179	0.0099	0.0084	0.0109	0.0072	0.0047	0.0043	0.0043	0.0042
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PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MULTISTATE
 FRINGE COVERAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	9,984,512	12,876,470	15,631,844	16,857,655	16,738,847	16,662,320	16,820,635	17,141,583	16,781,486	16,753,549	16,797,644
6/30/2001	9,504,099	13,647,728	16,018,935	16,435,285	16,841,736	17,035,114	17,647,573	17,840,740	17,384,247	17,121,743	17,326,861
6/30/2002	9,426,888	13,793,259	14,994,024	15,148,340	15,541,887	15,184,907	14,852,650	14,695,463	14,658,155	14,481,889	14,399,545
6/30/2003	9,511,522	10,525,056	11,906,404	13,237,380	12,452,607	12,543,444	11,661,272	11,807,044	11,879,795	11,662,050	11,709,067
6/30/2004	12,078,325	17,789,587	21,264,516	21,913,501	21,934,636	20,387,268	19,640,961	19,530,632	19,351,208	19,527,080	19,277,244
6/30/2005	12,761,808	15,834,097	17,691,913	18,199,025	17,320,818	16,865,257	16,741,856	16,826,834	16,819,879	16,702,013	16,699,823
6/30/2006	13,552,096	17,608,318	18,485,273	17,736,124	17,608,334	17,388,440	17,229,825	17,201,229	16,951,634	17,243,384	17,120,287
6/30/2007	13,110,068	15,010,194	16,616,390	16,678,277	15,700,846	15,573,029	15,187,716	15,304,570	15,033,355	15,009,697	15,104,063
6/30/2008	9,896,789	11,757,941	12,275,298	12,165,008	12,027,643	11,661,734	11,475,818	11,458,830	11,534,509	11,509,718	11,694,052
6/30/2009	8,334,431	10,657,717	11,227,231	11,146,403	10,989,220	10,923,899	10,558,298	10,502,290	10,365,912	10,378,600	10,233,796
6/30/2010	9,330,643	10,563,486	11,462,719	11,535,597	10,986,165	11,005,756	11,076,715	11,011,441	11,072,976	11,070,073	
6/30/2011	7,674,699	9,075,711	9,971,451	9,104,188	9,238,076	9,336,636	9,698,931	9,686,166	9,741,091		
6/30/2012	5,654,940	6,948,069	7,412,056	8,360,688	7,957,459	8,406,909	8,365,930	8,582,502			
6/30/2013	6,015,486	7,184,946	7,807,475	8,381,477	8,616,479	8,780,057	8,845,854				
6/30/2014	5,599,711	8,451,210	9,865,169	10,287,036	10,242,608	10,305,290					
6/30/2015	7,335,065	9,923,861	10,518,746	11,605,987	11,512,478						
6/30/2016	6,681,718	8,315,546	9,109,036	9,216,090							
6/30/2017	6,012,067	8,176,424	9,228,941								
6/30/2018	7,417,298	8,842,600									
6/30/2019	5,291,569										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	16,811,343	16,809,632	16,797,616	16,841,200	16,822,759	16,820,943	16,814,113	16,814,128	16,814,113		
6/30/2001	17,144,098	17,100,152	17,343,088	17,228,088	17,328,088	17,308,079	17,408,063	17,408,063			
6/30/2002	14,520,574	14,459,463	14,448,932	14,479,752	14,467,248	14,467,248	14,467,248				
6/30/2003	11,460,804	11,460,804	11,560,804	11,568,804	11,568,804	11,668,804					
6/30/2004	19,365,888	19,388,540	19,370,888	19,370,891	19,380,888						
6/30/2005	16,599,823	16,538,843	16,533,843								
6/30/2006	17,013,392	16,999,226	17,001,574								
6/30/2007	15,099,813	15,099,813									
6/30/2008	11,702,849										

PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MULTISTATE
 FRINGE COVERAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.290	1.214	1.078	0.993	0.995	1.010	1.019	0.979	0.998	1.003	1.001
6/30/2001	1.436	1.174	1.026	1.025	1.011	1.036	1.011	0.974	0.985	1.012	0.989
6/30/2002	1.463	1.087	1.010	1.026	0.977	0.978	0.989	0.997	0.988	0.994	1.008
6/30/2003	1.107	1.131	1.112	0.941	1.007	0.930	1.013	1.006	0.982	1.004	0.979
6/30/2004	1.473	1.195	1.031	1.001	0.929	0.963	0.994	0.991	1.009	0.987	1.005
6/30/2005	1.241	1.117	1.029	0.952	0.974	0.993	1.005	1.000	0.993	1.000	0.994
6/30/2006	1.299	1.050	0.959	0.993	0.988	0.991	0.998	0.985	1.017	0.993	0.994
6/30/2007	1.145	1.107	1.004	0.941	0.992	0.975	1.008	0.982	0.998	1.006	1.000
6/30/2008	1.188	1.044	0.991	0.989	0.970	0.984	0.999	1.007	0.998	1.016	1.001
6/30/2009	1.279	1.053	0.993	0.986	0.994	0.967	0.995	0.987	1.001	0.986	
6/30/2010	1.132	1.085	1.006	0.952	1.002	1.006	0.994	1.006	1.000		
6/30/2011	1.183	1.099	0.913	1.015	1.011	1.039	0.999	1.006			
6/30/2012	1.229	1.067	1.128	0.952	1.056	0.995	1.026				
6/30/2013	1.194	1.087	1.074	1.028	1.019	1.007					
6/30/2014	1.509	1.167	1.043	0.996	1.006						
6/30/2015	1.353	1.060	1.103	0.992							
6/30/2016	1.245	1.095	1.012								
6/30/2017	1.360	1.129									
6/30/2018	1.192										
3 Yr Mean	1.266	1.095	1.053	1.005	1.027	1.014	1.006	1.000	1.000	1.003	0.998
Best 3/5	1.319	1.104	1.073	1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	1.000	0.999	1.003	0.999	1.000	1.000	1.000	1.000			
6/30/2001	0.997	1.014	0.993	1.006	0.999	1.006	1.000	1.000 *			
6/30/2002	0.996	0.999	1.002	0.999	1.000	1.000	1.000 *	1.000 *			
6/30/2003	1.000	1.009	1.001	1.000	1.009	1.000 *	1.000 *	1.000 *			
6/30/2004	1.001	0.999	1.000	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2005	0.996	1.000	1.000								
6/30/2006	0.999	1.000									
6/30/2007	1.000										
3 Yr Mean	0.998	1.000	1.000	1.000	1.003 @	1.002 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.012	1.003	0.998	1.000	1.000	1.000	0.998
6/30/2016				1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998
6/30/2017			1.073	1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998
6/30/2018		1.104	1.073	1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998
6/30/2019	1.319	1.104	1.073	1.001	1.012	1.003	0.998	1.000	1.000	1.000	0.998

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

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

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	2,605,664	5,408,691	8,551,012	11,487,550	12,440,382	13,789,507	14,508,179	15,128,584	16,853,048	17,850,894	18,276,339
6/30/2001	2,375,468	7,102,112	10,989,865	13,590,095	15,493,861	16,180,282	16,846,136	17,529,139	18,207,581	18,461,038	18,717,657
6/30/2002	1,573,884	6,644,331	10,211,718	11,519,782	12,907,202	14,150,633	14,314,330	14,627,036	14,751,033	14,895,905	14,957,337
6/30/2003	1,643,884	4,283,747	6,386,039	9,453,378	10,339,243	11,137,381	11,335,894	11,868,772	12,208,175	12,279,159	12,324,646
6/30/2004	1,674,051	4,808,252	9,060,436	14,406,091	21,644,440	24,870,986	21,039,807	20,990,499	21,928,963	21,896,805	23,277,409
6/30/2005	2,095,394	4,519,224	10,653,281	12,970,048	15,204,989	16,152,593	16,427,705	16,594,889	17,007,992	18,240,606	18,253,582
6/30/2006	1,299,968	4,375,290	9,892,647	14,959,142	17,021,773	18,502,038	19,102,816	19,240,366	19,635,548	19,488,881	19,711,452
6/30/2007	2,150,932	4,441,432	7,071,929	9,004,086	10,570,784	11,512,753	11,818,750	12,568,868	12,633,094	12,662,568	12,625,069
6/30/2008	1,764,591	5,188,682	10,382,793	11,832,606	13,232,887	14,355,484	14,777,469	15,510,394	15,763,456	15,836,820	15,884,729
6/30/2009	1,123,223	2,939,925	7,132,734	12,123,891	13,387,990	14,801,845	16,019,666	16,350,388	17,271,225	17,864,911	17,696,557
6/30/2010	1,745,763	5,170,238	9,157,729	11,436,829	13,633,987	13,950,913	14,417,905	14,525,760	14,919,381	14,928,305	
6/30/2011	992,739	3,358,549	9,943,926	14,458,367	17,360,989	19,298,922	21,577,015	21,334,425	21,580,439		
6/30/2012	1,072,834	4,071,240	8,076,976	12,429,016	12,725,907	14,039,942	14,727,050	14,653,711			
6/30/2013	1,951,077	4,253,907	8,347,248	10,025,009	11,105,734	11,404,501	12,149,541				
6/30/2014	1,829,817	5,105,348	9,230,862	11,210,950	15,873,753	16,258,868					
6/30/2015	2,741,080	5,126,454	8,508,556	11,976,570	12,648,716						
6/30/2016	1,896,320	5,906,217	8,182,622	11,185,500							
6/30/2017	1,090,762	3,213,608	4,752,667								
6/30/2018	3,505,277	5,889,520									
6/30/2019	1,018,166										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	18,487,343	18,504,050	18,513,924	18,515,338	18,535,968	18,538,208	18,523,443	18,523,454	18,544,215
6/30/2001	18,896,564	19,121,366	20,429,659	19,388,370	20,289,360	20,203,819	20,253,807	20,353,807	
6/30/2002	15,012,790	15,052,474	15,192,842	15,234,085	15,245,091	15,245,091	15,245,091		
6/30/2003	12,466,415	12,459,026	12,459,026	12,459,026	12,459,032	12,665,017			
6/30/2004	23,013,909	23,107,362	23,700,141	23,700,141	23,702,480				
6/30/2005	18,317,884	18,332,152	18,339,490	18,359,639					
6/30/2006	19,765,407	19,766,348	19,767,914						
6/30/2007	12,625,069	12,625,069							
6/30/2008	15,880,490								

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

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

	Incremental Percentages												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	0.1025	0.1149	0.1074	0.0348	0.0493	0.0263	0.0227	0.0630	0.0365	0.0156	0.0077	0.0006	0.0004
6/30/2001	0.1686	0.1387	0.0928	0.0679	0.0245	0.0238	0.0244	0.0242	0.0090	0.0092	0.0064	0.0080	0.0467
6/30/2002	0.2185	0.1538	0.0564	0.0598	0.0536	0.0071	0.0135	0.0053	0.0062	0.0026	0.0024	0.0017	0.0060
6/30/2003	0.1365	0.1087	0.1586	0.0458	0.0413	0.0103	0.0276	0.0176	0.0037	0.0024	0.0073	-0.0004	0.0000
6/30/2004	0.1094	0.1485	0.1867	0.2528	0.1127	-0.1338	-0.0017	0.0328	-0.0011	0.0482	-0.0092	0.0033	0.0207
6/30/2005	0.0952	0.2409	0.0910	0.0878	0.0372	0.0108	0.0066	0.0162	0.0484	0.0005	0.0025	0.0006	0.0003
6/30/2006	0.1043	0.1871	0.1718	0.0700	0.0502	0.0204	0.0047	0.0134	-0.0050	0.0075	0.0018	0.0000	0.0001
6/30/2007	0.0928	0.1066	0.0783	0.0635	0.0382	0.0124	0.0304	0.0026	0.0012	-0.0015	0.0000	0.0000	
6/30/2008	0.1869	0.2835	0.0791	0.0764	0.0613	0.0230	0.0400	0.0138	0.0040	0.0026	-0.0002		
6/30/2009	0.1103	0.2547	0.3031	0.0768	0.0859	0.0740	0.0201	0.0559	0.0361	-0.0102			
6/30/2010	0.1979	0.2304	0.1317	0.1270	0.0183	0.0270	0.0062	0.0227	0.0005				
6/30/2011	0.1507	0.4195	0.2876	0.1849	0.1234	0.1451	-0.0155	0.0157					
6/30/2012	0.2033	0.2716	0.2951	0.0201	0.0891	0.0466	-0.0050						
6/30/2013	0.1659	0.2949	0.1209	0.0778	0.0215	0.0537							
6/30/2014	0.1836	0.2312	0.1110	0.2614	0.0216								
6/30/2015	0.1038	0.1472	0.1510	0.0293									
6/30/2016	0.2065	0.1172	0.1546										
6/30/2017	0.1399	0.1014											
6/30/2018	0.1402												

Best 3/5	0.1546	0.1652	0.1422	0.0973	0.0441	0.0581	0.0071	0.0174	0.0019	0.0005	0.0005	0.0002	0.0021
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:												
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months	
6/30/2000	250,988,407	340,310,677	382,592,791	389,089,816	389,831,909	385,589,395	379,898,964	377,742,618	377,146,044	377,200,810	376,838,938	
6/30/2001	241,430,825	312,203,727	348,949,456	366,962,163	366,863,576	359,850,633	358,436,280	356,149,462	355,527,634	354,609,717	354,314,924	
6/30/2002	218,039,819	273,352,058	327,037,646	339,811,794	335,529,209	331,747,258	328,631,675	327,989,070	327,530,414	326,842,981	327,267,103	
6/30/2003	227,345,024	305,483,152	363,774,112	369,566,641	361,264,851	354,945,156	353,062,254	350,355,237	349,054,346	348,852,698	348,834,401	
6/30/2004	255,054,381	342,392,059	369,494,815	375,183,937	370,635,405	366,688,507	364,390,166	363,015,381	362,640,972	362,084,928	361,763,701	
6/30/2005	263,968,800	307,921,559	348,378,289	352,721,860	353,097,601	347,386,573	345,168,986	344,040,180	342,704,342	343,292,865	343,452,336	
6/30/2006	244,042,217	319,994,749	357,966,380	369,142,692	363,492,559	356,883,472	353,740,939	352,711,070	352,033,939	352,134,793	351,759,379	
6/30/2007	271,495,919	346,558,836	386,061,592	391,598,525	385,377,392	379,559,662	376,928,323	375,002,595	373,916,697	373,824,962	373,842,023	
6/30/2008	288,560,090	362,427,969	406,238,059	411,664,237	405,490,515	400,194,562	397,965,121	396,359,819	396,267,830	395,507,996	395,283,236	
6/30/2009	301,307,751	383,931,365	424,214,134	424,634,199	418,331,782	415,403,763	411,712,914	409,678,897	408,802,977	408,515,487	409,306,618	
6/30/2010	324,915,535	409,370,864	458,296,872	461,095,993	454,622,337	449,810,633	446,612,205	445,255,187	444,554,532	444,371,502		
6/30/2011	352,832,615	445,734,922	495,479,125	503,630,658	495,088,069	489,902,599	486,129,116	484,268,098	483,932,801			
6/30/2012	298,826,251	381,453,590	427,073,682	427,439,706	425,473,959	421,862,732	420,658,662	421,033,585				
6/30/2013	301,396,858	383,007,011	417,408,933	424,683,301	425,789,012	423,956,286	423,803,526					
6/30/2014	329,897,308	419,945,122	480,009,739	513,798,761	513,582,038	514,758,428						
6/30/2015	291,922,543	397,367,396	480,582,277	508,999,409	517,157,140							
6/30/2016	276,102,484	391,112,469	467,840,893	503,502,861								
6/30/2017	298,039,533	423,409,119	518,530,495									
6/30/2018	341,329,368	482,975,929										
6/30/2019	325,119,119											
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months			
6/30/2000	377,006,618	376,726,118	376,546,965	376,817,471	376,767,018	376,698,866	376,740,446	376,650,625	376,939,948			
6/30/2001	354,616,842	354,637,553	355,009,091	355,316,831	355,462,989	355,337,210	355,316,039	355,372,513				
6/30/2002	326,975,412	327,270,867	327,768,761	327,343,975	327,540,529	327,500,561	327,613,294					
6/30/2003	348,859,483	348,961,968	349,092,076	349,059,810	349,058,165	349,419,463						
6/30/2004	362,132,620	362,075,860	362,094,302	361,985,356	362,176,970							
6/30/2005	343,391,641	343,456,591	343,794,109	344,246,746								
6/30/2006	351,508,430	351,266,572	351,669,797									
6/30/2007	373,723,700	374,282,276										
6/30/2008	395,472,953											

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BODILY INJURY - OCCURRENCE

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A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.356	1.124	1.017	1.002	0.989	0.985	0.994	0.998	1.000	0.999	1.000
6/30/2001	1.293	1.118	1.052	1.000	0.981	0.996	0.994	0.998	0.997	0.999	1.001
6/30/2002	1.254	1.196	1.039	0.987	0.989	0.991	0.998	0.999	0.998	1.001	0.999
6/30/2003	1.344	1.191	1.016	0.978	0.983	0.995	0.992	0.996	0.999	1.000	1.000
6/30/2004	1.342	1.079	1.015	0.988	0.989	0.994	0.996	0.999	0.998	0.999	1.001
6/30/2005	1.167	1.131	1.012	1.001	0.984	0.994	0.997	0.996	1.002	1.000	1.000
6/30/2006	1.311	1.119	1.031	0.985	0.982	0.991	0.997	0.998	1.000	0.999	0.999
6/30/2007	1.276	1.114	1.014	0.984	0.985	0.993	0.995	0.997	1.000	1.000	1.000
6/30/2008	1.256	1.121	1.013	0.985	0.987	0.994	0.996	1.000	0.998	0.999	1.000
6/30/2009	1.274	1.105	1.001	0.985	0.993	0.991	0.995	0.998	0.999	1.002	
6/30/2010	1.260	1.120	1.006	0.986	0.989	0.993	0.997	0.998	1.000		
6/30/2011	1.263	1.112	1.016	0.983	0.990	0.992	0.996	0.999			
6/30/2012	1.277	1.120	1.001	0.995	0.992	0.997	1.001				
6/30/2013	1.271	1.090	1.017	1.003	0.996	1.000					
6/30/2014	1.273	1.143	1.070	1.000	1.002						
6/30/2015	1.361	1.209	1.059	1.016							
6/30/2016	1.417	1.196	1.076								
6/30/2017	1.421	1.225									
6/30/2018	1.415										
3 Yr Mean	1.418	1.210	1.068	1.006	0.997	0.996	0.998	0.998	0.999	1.000	1.000
Best 3/5	1.398	1.183	1.049	0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	0.999	1.000	1.001	1.000	1.000	1.000	1.000	1.001			
6/30/2001	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000 *			
6/30/2002	1.001	1.002	0.999	1.001	1.000	1.000	1.000 *	1.000 *			
6/30/2003	1.000	1.000	1.000	1.000	1.001	1.000 *	1.000 *	1.000 *			
6/30/2004	1.000	1.000	1.000	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2005	1.000	1.001	1.001								
6/30/2006	0.999	1.001									
6/30/2007	1.001										
3 Yr Mean	1.000	1.001	1.000	1.001	1.000 @	1.000 @	1.000 @	1.001 @			
Best 3/5	1.000	1.001	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.993	0.994	0.996	0.998	1.000	1.000	1.000
6/30/2016				0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000
6/30/2017			1.049	0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000
6/30/2018		1.183	1.049	0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000
6/30/2019	1.398	1.183	1.049	0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2015	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
6/30/2016	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.981
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.029
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.218
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.702

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	10,149,048	15,162,861	17,894,751	16,990,301	16,066,363	16,495,646	16,479,942	16,054,875	16,009,429	15,994,428	15,975,678
6/30/2001	13,608,608	20,283,548	23,823,483	24,156,287	23,686,123	24,293,159	24,089,987	23,915,823	23,931,764	23,851,357	23,951,356
6/30/2002	13,721,497	19,771,009	20,060,236	20,081,599	20,842,885	20,486,697	20,679,585	20,413,830	20,580,355	20,490,142	20,490,141
6/30/2003	17,685,547	19,750,585	22,295,114	23,383,728	23,699,305	23,178,322	22,856,213	22,659,021	22,584,178	22,612,219	22,727,940
6/30/2004	18,606,779	26,725,886	25,335,331	27,616,861	26,358,235	25,597,242	24,864,977	24,747,230	24,586,504	24,748,038	24,779,911
6/30/2005	15,928,888	25,154,430	25,385,937	23,442,101	21,900,501	21,110,456	20,698,309	20,498,875	20,493,875	20,377,901	20,377,898
6/30/2006	15,466,080	19,260,905	21,923,157	21,529,779	21,126,070	21,094,787	21,279,980	21,330,090	21,447,488	21,369,282	21,439,282
6/30/2007	15,770,988	21,107,599	24,112,412	24,752,696	24,041,670	23,465,810	23,184,342	23,291,884	23,281,680	23,282,179	23,237,179
6/30/2008	18,021,084	22,317,501	25,006,285	25,037,666	24,782,675	24,243,889	24,303,760	24,214,043	24,065,708	24,055,522	23,975,235
6/30/2009	17,108,317	20,898,537	21,536,046	23,316,589	22,679,562	22,359,613	22,385,841	22,239,005	22,274,227	22,243,373	22,240,468
6/30/2010	13,307,504	14,002,733	16,783,105	17,583,071	18,135,912	17,782,029	17,740,624	17,605,640	17,620,887	17,732,234	
6/30/2011	11,833,510	16,521,332	18,875,990	19,608,344	19,342,626	19,161,100	18,906,232	18,896,367	18,841,890		
6/30/2012	11,991,958	15,751,021	17,193,703	17,401,097	17,615,705	17,365,065	17,684,442	17,953,878			
6/30/2013	12,136,640	15,482,405	17,037,223	17,664,481	18,014,151	18,003,573	17,958,503				
6/30/2014	14,779,456	17,971,206	20,878,501	22,281,299	22,769,481	23,036,029					
6/30/2015	15,151,162	20,881,048	24,556,406	28,232,748	28,156,811						
6/30/2016	17,232,169	21,578,831	27,556,568	28,463,785							
6/30/2017	14,857,184	23,919,027	30,401,340								
6/30/2018	17,927,168	27,534,448									
6/30/2019	19,235,277										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	15,975,678	15,975,928	16,175,928	16,175,928	16,170,928	16,170,928	16,271,928	16,271,928	16,270,928		
6/30/2001	23,931,607	23,936,607	23,936,606	23,836,606	23,836,606	23,936,606	23,936,608	23,937,606			
6/30/2002	20,540,140	20,695,639	20,682,100	20,907,639	20,952,302	20,952,693	20,952,693				
6/30/2003	22,653,991	22,647,623	22,640,930	22,640,930	22,656,930	22,656,930					
6/30/2004	24,756,101	24,778,602	24,828,601	24,828,601	24,828,601						
6/30/2005	20,382,898	20,377,898	20,377,923	20,434,343							
6/30/2006	21,339,282	21,439,282	21,439,282								
6/30/2007	23,120,009	23,120,109									
6/30/2008	23,975,135										

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BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.494	1.180	0.949	0.946	1.027	0.999	0.974	0.997	0.999	0.999	1.000
6/30/2001	1.490	1.175	1.014	0.981	1.026	0.992	0.993	1.001	0.997	1.004	0.999
6/30/2002	1.441	1.015	1.001	1.038	0.983	1.009	0.987	1.008	0.996	1.000	1.002
6/30/2003	1.117	1.129	1.049	1.013	0.978	0.986	0.991	0.997	1.001	1.005	0.997
6/30/2004	1.436	0.948	1.090	0.954	0.971	0.971	0.995	0.994	1.007	1.001	0.999
6/30/2005	1.579	1.009	0.923	0.934	0.964	0.980	0.990	1.000	0.994	1.000	1.000
6/30/2006	1.245	1.138	0.982	0.981	0.999	1.009	1.002	1.006	0.996	1.003	0.995
6/30/2007	1.338	1.142	1.027	0.971	0.976	0.988	1.005	1.000	1.000	0.998	0.995
6/30/2008	1.238	1.120	1.001	0.990	0.978	1.002	0.996	0.994	1.000	0.997	1.000
6/30/2009	1.222	1.031	1.083	0.973	0.986	1.001	0.993	1.002	0.999	1.000	
6/30/2010	1.052	1.199	1.048	1.031	0.980	0.998	0.992	1.001	1.006		
6/30/2011	1.396	1.143	1.039	0.986	0.991	0.987	0.999	0.997			
6/30/2012	1.313	1.092	1.012	1.012	0.986	1.018	1.015				
6/30/2013	1.276	1.100	1.037	1.020	0.999	0.997					
6/30/2014	1.216	1.162	1.067	1.022	1.012						
6/30/2015	1.378	1.176	1.150	0.997							
6/30/2016	1.252	1.277	1.033								
6/30/2017	1.610	1.271									
6/30/2018	1.536										
3 Yr Mean	1.466	1.241	1.083	1.013	0.999	1.001	1.002	1.000	1.002	0.998	0.997
Best 3/5	1.389	1.203	1.046	1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	1.000	1.013	1.000	1.000	1.000	1.006	1.000	1.000			
6/30/2001	1.000	1.000	0.996	1.000	1.004	1.000	1.000	1.000 *			
6/30/2002	1.008	0.999	1.011	1.002	1.000	1.000	1.000 *	1.000 *			
6/30/2003	1.000	1.000	1.000	1.001	1.000	1.000 *	1.000 *	1.000 *			
6/30/2004	1.001	1.002	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2005	1.000	1.000	1.003								
6/30/2006	1.005	1.000									
6/30/2007	1.000										
3 Yr Mean	1.002	1.001	1.001	1.001	1.001 @	1.002 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.992	0.999	0.996	0.999	1.000	0.999	0.998
6/30/2016				1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998
6/30/2017			1.046	1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998
6/30/2018		1.203	1.046	1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998
6/30/2019	1.389	1.203	1.046	1.010	0.992	0.999	0.996	0.999	1.000	0.999	0.998

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	32,920,786	65,227,878	94,772,883	116,430,517	127,051,800	132,150,115	136,494,149	138,341,835	140,703,924	142,137,394	142,188,363
6/30/2001	36,736,995	64,848,053	95,201,155	115,603,068	129,073,792	139,783,558	142,713,174	144,800,114	146,229,644	148,942,734	150,403,243
6/30/2002	35,281,520	58,333,358	96,269,157	117,557,554	136,297,650	141,683,644	146,982,321	149,463,476	150,141,121	151,705,502	151,644,531
6/30/2003	35,484,028	67,071,531	103,994,427	136,401,836	151,055,412	155,857,905	159,611,716	161,154,955	162,899,035	164,345,015	164,447,412
6/30/2004	34,097,995	67,890,028	110,079,803	137,070,594	145,760,842	151,891,843	153,968,684	155,555,279	156,271,657	157,432,354	158,316,777
6/30/2005	31,940,743	67,010,688	109,064,820	136,257,262	148,926,044	154,508,142	157,763,411	160,553,873	161,736,776	163,352,001	163,874,866
6/30/2006	26,393,334	66,942,374	107,279,591	137,032,452	148,896,977	156,120,748	160,586,205	160,125,094	161,743,388	163,165,896	163,830,049
6/30/2007	29,513,067	70,926,920	112,106,156	144,845,214	159,751,689	166,101,390	168,582,699	169,901,836	173,044,081	173,904,593	174,519,804
6/30/2008	29,645,077	71,284,816	126,527,610	165,259,741	184,625,130	193,557,568	197,458,055	200,105,477	201,334,359	200,269,903	201,089,923
6/30/2009	35,381,536	79,439,674	129,879,705	172,154,375	188,112,756	196,160,472	200,271,708	203,836,834	205,996,782	206,434,304	212,681,441
6/30/2010	41,367,143	88,091,681	146,570,449	180,572,446	198,085,926	208,504,091	212,066,910	213,280,435	216,209,451	217,369,648	
6/30/2011	47,101,337	101,729,539	165,530,226	207,028,531	225,638,079	233,860,337	238,341,131	240,154,822	239,800,213		
6/30/2012	42,534,282	90,529,998	149,441,873	189,002,611	210,610,229	220,054,864	224,984,861	227,289,300			
6/30/2013	43,546,598	94,609,091	150,106,546	194,715,120	218,111,119	225,252,313	227,838,039				
6/30/2014	51,088,167	110,993,255	179,720,447	231,530,989	254,780,232	267,277,560					
6/30/2015	46,301,680	104,791,968	173,550,082	221,772,878	243,885,477						
6/30/2016	46,308,304	107,794,690	176,112,343	221,333,307							
6/30/2017	45,247,123	99,032,794	168,270,135								
6/30/2018	48,756,264	109,061,150									
6/30/2019	43,126,984										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	144,252,221	144,633,195	144,594,179	144,838,010	146,186,126	145,801,505	145,876,559	146,761,703	147,933,670
6/30/2001	150,262,877	151,261,620	152,800,960	154,347,364	154,886,154	154,946,003	154,927,100	155,635,637	
6/30/2002	152,182,103	153,719,284	154,184,767	154,860,373	154,975,548	155,283,591	155,377,827		
6/30/2003	165,458,560	165,969,470	166,500,515	166,397,623	166,812,967	166,765,973			
6/30/2004	158,960,189	159,793,132	160,139,304	160,797,159	160,587,499				
6/30/2005	163,708,538	164,327,350	166,344,545	167,977,434					
6/30/2006	164,663,333	164,768,198	165,174,622						
6/30/2007	174,368,434	174,612,161							
6/30/2008	201,347,491								

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	32,307,092	29,545,005	21,657,634	10,621,283	5,098,315	4,344,034	1,847,686	2,362,089	1,433,470	50,969	2,063,858	380,974	-39,016
6/30/2001	28,111,058	30,353,102	20,401,913	13,470,724	10,709,766	2,929,616	2,086,940	1,429,530	2,713,090	1,460,509	-140,366	998,743	1,539,340
6/30/2002	23,051,838	37,935,799	21,288,397	18,740,096	5,385,994	5,298,677	2,481,155	677,645	1,564,381	-60,971	537,572	1,537,181	465,483
6/30/2003	31,587,503	36,922,896	32,407,409	14,653,576	4,802,493	3,753,811	1,543,239	1,744,080	1,445,980	102,397	1,011,148	510,910	531,045
6/30/2004	33,792,033	42,189,775	26,990,791	8,690,248	6,131,001	2,076,841	1,586,595	716,378	1,160,697	884,423	643,412	832,943	346,172
6/30/2005	35,069,945	42,054,132	27,192,442	12,668,782	5,582,098	3,255,269	2,790,462	1,182,903	1,615,225	522,865	-166,328	618,812	2,017,195
6/30/2006	40,549,040	40,337,217	29,752,861	11,864,525	7,223,771	4,465,457	-461,111	1,618,294	1,422,508	664,153	833,284	104,865	406,424
6/30/2007	41,413,853	41,179,236	32,739,058	14,906,475	6,349,701	2,481,309	1,319,137	3,142,245	860,512	615,211	-151,370	243,727	
6/30/2008	41,639,739	55,242,794	38,732,131	19,365,389	8,932,438	3,900,487	2,647,422	1,228,882	-1,064,456	820,020	257,568		
6/30/2009	44,058,138	50,440,031	42,274,670	15,958,381	8,047,716	4,111,236	3,565,126	2,159,948	437,522	6,247,137			
6/30/2010	46,724,538	58,478,768	34,001,997	17,513,480	10,418,165	3,562,819	1,213,525	2,929,016	1,160,197				
6/30/2011	54,628,202	63,800,687	41,498,305	18,609,548	8,222,258	4,480,794	1,813,691	-354,609					
6/30/2012	47,995,716	58,911,875	39,560,738	21,607,618	9,444,635	4,929,997	2,304,439						
6/30/2013	51,062,493	55,497,455	44,608,574	23,395,999	7,141,194	2,585,726							
6/30/2014	59,905,088	68,727,192	51,810,542	23,249,243	12,497,328								
6/30/2015	58,490,288	68,758,114	48,222,796	22,112,599									
6/30/2016	61,486,386	68,317,653	45,220,964										
6/30/2017	53,785,671	69,237,341											
6/30/2018	60,304,886												

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0615	0.0562	0.0412	0.0202	0.0097	0.0083	0.0035	0.0045	0.0027	0.0001	0.0039	0.0007	-0.0001
6/30/2001	0.0547	0.0590	0.0397	0.0262	0.0208	0.0057	0.0041	0.0028	0.0053	0.0028	-0.0003	0.0019	0.0030
6/30/2002	0.0473	0.0778	0.0437	0.0385	0.0111	0.0109	0.0051	0.0014	0.0032	-0.0001	0.0011	0.0032	0.0010
6/30/2003	0.0614	0.0718	0.0630	0.0285	0.0093	0.0073	0.0030	0.0034	0.0028	0.0002	0.0020	0.0010	0.0010
6/30/2004	0.0641	0.0800	0.0512	0.0165	0.0116	0.0039	0.0030	0.0014	0.0022	0.0017	0.0012	0.0016	0.0007
6/30/2005	0.0684	0.0820	0.0530	0.0247	0.0109	0.0063	0.0054	0.0023	0.0032	0.0010	-0.0003	0.0012	0.0039
6/30/2006	0.0775	0.0771	0.0569	0.0227	0.0138	0.0085	-0.0009	0.0031	0.0027	0.0013	0.0016	0.0002	0.0008
6/30/2007	0.0728	0.0724	0.0576	0.0262	0.0112	0.0044	0.0023	0.0055	0.0015	0.0011	-0.0003	0.0004	
6/30/2008	0.0684	0.0907	0.0636	0.0318	0.0147	0.0064	0.0043	0.0020	-0.0017	0.0013	0.0004		
6/30/2009	0.0703	0.0804	0.0674	0.0255	0.0128	0.0066	0.0057	0.0034	0.0007	0.0100			
6/30/2010	0.0681	0.0852	0.0495	0.0255	0.0152	0.0052	0.0018	0.0043	0.0017				
6/30/2011	0.0737	0.0861	0.0560	0.0251	0.0111	0.0060	0.0024	-0.0005					
6/30/2012	0.0703	0.0863	0.0579	0.0316	0.0138	0.0072	0.0034						
6/30/2013	0.0751	0.0816	0.0656	0.0344	0.0105	0.0038							
6/30/2014	0.0719	0.0825	0.0622	0.0279	0.0150								
6/30/2015	0.0700	0.0823	0.0577	0.0265									
6/30/2016	0.0720	0.0800	0.0529										
6/30/2017	0.0606	0.0780											
6/30/2018	0.0606												

Best 3/5	0.0675	0.0813	0.0593	0.0287	0.0133	0.0059	0.0034	0.0032	0.0013	0.0012	0.0005	0.0009	0.0009
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	41,678,098	52,083,712	48,270,025	50,529,505	49,930,459	49,891,427	49,734,708	49,656,405	49,945,509	50,395,931	50,446,779
6/30/2001	39,115,859	38,894,115	44,272,047	44,797,526	45,419,342	45,099,635	45,563,830	45,754,913	46,183,106	46,736,408	47,109,298
6/30/2002	30,843,880	35,888,744	37,034,594	38,356,564	38,836,796	39,471,915	40,242,687	40,512,484	40,961,806	41,113,210	41,435,206
6/30/2003	31,985,495	33,980,822	36,356,036	36,127,335	38,699,431	38,861,215	38,841,215	39,158,716	38,776,142	39,208,487	39,471,358
6/30/2004	29,353,055	33,407,005	34,578,538	35,948,309	37,718,298	38,018,519	37,896,838	37,998,621	38,076,135	38,291,479	38,480,936
6/30/2005	28,767,702	30,390,751	33,792,469	34,502,966	35,379,759	35,618,923	35,758,725	36,008,236	36,362,541	36,848,039	36,705,452
6/30/2006	27,668,401	29,950,806	31,621,986	32,232,020	32,679,850	33,505,798	33,824,366	33,914,211	34,055,030	33,882,034	33,957,961
6/30/2007	28,956,659	32,202,557	34,398,667	34,880,322	35,411,689	35,510,263	35,806,463	36,262,324	36,992,938	36,924,952	37,016,141
6/30/2008	33,536,638	37,164,749	38,514,333	38,711,427	39,287,777	40,068,798	40,488,969	40,466,648	40,639,770	40,934,984	40,910,358
6/30/2009	36,500,556	37,956,966	39,884,473	40,191,085	40,254,725	40,719,667	40,645,131	40,653,091	40,871,680	41,197,922	41,428,977
6/30/2010	36,466,493	41,219,683	43,013,216	43,816,132	44,627,418	44,620,151	44,586,879	44,572,550	44,850,075	44,964,290	
6/30/2011	43,136,544	46,881,038	47,688,031	48,077,932	48,174,134	48,429,112	48,761,029	49,292,913	49,391,496		
6/30/2012	42,246,932	45,353,124	47,399,928	47,738,456	48,222,341	48,236,292	48,930,708	49,106,280			
6/30/2013	38,905,468	42,959,008	44,718,663	46,475,153	46,951,911	47,757,175	48,716,462				
6/30/2014	45,773,771	48,334,700	49,951,210	52,032,666	52,597,388	52,948,151					
6/30/2015	44,269,712	48,000,805	49,395,683	52,856,148	54,390,823						
6/30/2016	36,700,671	41,702,761	47,526,303	47,736,297							
6/30/2017	40,296,600	46,850,845	50,896,850								
6/30/2018	41,943,363	51,216,963									
6/30/2019	45,621,033										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	50,141,838	50,115,808	50,253,392	50,424,823	50,449,282	50,446,462	50,801,125	50,642,171	50,812,834		
6/30/2001	47,140,502	47,333,281	47,446,927	47,420,602	47,546,707	47,620,704	47,612,461	47,698,862			
6/30/2002	41,696,166	41,552,332	41,473,009	41,701,952	41,745,098	41,852,533	41,822,073				
6/30/2003	39,488,984	39,542,906	39,620,919	39,661,926	39,678,176	39,757,999					
6/30/2004	38,786,137	38,890,204	38,865,610	38,866,813	39,074,482						
6/30/2005	36,639,491	36,525,948	36,428,527	36,436,167							
6/30/2006	34,050,039	33,938,924	34,091,114								
6/30/2007	36,857,236	36,919,058									
6/30/2008	41,033,414										

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.250	0.927	1.047	0.988	0.999	0.997	0.998	1.006	1.009	1.001	0.994
6/30/2001	0.994	1.138	1.012	1.014	0.993	1.010	1.004	1.009	1.012	1.008	1.001
6/30/2002	1.164	1.032	1.036	1.013	1.016	1.020	1.007	1.011	1.004	1.008	1.006
6/30/2003	1.062	1.070	0.994	1.071	1.004	0.999	1.008	0.990	1.011	1.007	1.000
6/30/2004	1.138	1.035	1.040	1.049	1.008	0.997	1.003	1.002	1.006	1.005	1.008
6/30/2005	1.056	1.112	1.021	1.025	1.007	1.004	1.007	1.010	1.013	0.996	0.998
6/30/2006	1.082	1.056	1.019	1.014	1.025	1.010	1.003	1.004	0.995	1.002	1.003
6/30/2007	1.112	1.068	1.014	1.015	1.003	1.008	1.013	1.020	0.998	1.002	0.996
6/30/2008	1.108	1.036	1.005	1.015	1.020	1.010	0.999	1.004	1.007	0.999	1.003
6/30/2009	1.040	1.051	1.008	1.002	1.012	0.998	1.000	1.005	1.008	1.006	
6/30/2010	1.130	1.044	1.019	1.019	1.000	0.999	1.000	1.006	1.003		
6/30/2011	1.087	1.017	1.008	1.002	1.005	1.007	1.011	1.002			
6/30/2012	1.074	1.045	1.007	1.010	1.000	1.014	1.004				
6/30/2013	1.104	1.041	1.039	1.010	1.017	1.020					
6/30/2014	1.056	1.033	1.042	1.011	1.007						
6/30/2015	1.084	1.029	1.070	1.029							
6/30/2016	1.136	1.140	1.004								
6/30/2017	1.163	1.086									
6/30/2018	1.221										
3 Yr Mean	1.173	1.085	1.039	1.017	1.008	1.014	1.005	1.004	1.006	1.002	1.001
Best 3/5	1.128	1.053	1.029	1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001

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

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.004	1.007	1.001	1.005	1.003	1.001	1.001
6/30/2016				1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001
6/30/2017			1.029	1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001
6/30/2018		1.053	1.029	1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001
6/30/2019	1.128	1.053	1.029	1.010	1.004	1.007	1.001	1.005	1.003	1.001	1.001

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

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

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
6/30/2000	2,023,894	2,495,511	2,550,760	2,655,301	2,543,311	2,726,909	2,750,901	2,910,342	2,876,453	2,875,973	2,867,648
6/30/2001	2,115,401	2,450,828	2,774,218	2,938,571	2,935,176	3,014,676	3,148,106	2,914,754	3,061,652	3,086,597	3,145,962
6/30/2002	1,631,044	1,913,599	1,983,961	2,097,101	2,202,310	2,313,278	2,249,262	2,181,834	2,287,333	2,287,334	2,293,834
6/30/2003	1,704,068	1,751,684	1,816,374	1,973,402	1,992,020	1,875,474	1,880,101	1,935,816	1,960,933	1,958,083	1,959,083
6/30/2004	2,249,914	2,385,559	2,678,439	3,054,294	3,218,805	3,199,591	3,111,813	3,204,830	3,146,830	3,214,400	3,213,521
6/30/2005	2,337,502	2,349,239	2,283,660	2,670,560	2,614,155	2,785,177	2,630,195	2,749,237	2,710,738	2,722,026	2,718,026
6/30/2006	1,751,365	2,015,934	2,277,807	2,218,811	2,277,794	2,409,480	2,521,179	2,534,276	2,522,235	2,524,458	2,455,092
6/30/2007	1,771,337	2,318,672	2,826,129	2,642,214	2,627,386	2,462,197	2,431,833	2,456,811	2,554,812	2,554,811	2,554,811
6/30/2008	1,483,524	1,910,416	1,473,660	1,513,256	1,452,971	1,485,001	1,463,190	1,455,990	1,457,990	1,458,092	1,479,301
6/30/2009	2,726,359	2,087,022	2,416,032	2,264,497	2,291,958	2,235,384	2,338,306	2,255,885	2,255,884	2,255,884	2,260,884
6/30/2010	1,861,947	1,862,570	1,816,720	1,915,411	2,013,741	2,056,741	2,107,736	2,056,736	2,155,741	2,051,095	
6/30/2011	1,584,144	1,735,017	1,995,440	1,888,856	2,009,342	2,024,056	1,995,965	1,991,964	1,991,964		
6/30/2012	1,198,527	1,532,562	1,680,772	1,970,578	1,950,817	2,415,175	2,463,529	2,342,014			
6/30/2013	1,796,227	1,868,386	1,953,448	1,939,602	2,156,734	2,123,234	2,123,223				
6/30/2014	1,891,310	1,892,728	1,692,279	1,840,245	1,932,595	1,873,349					
6/30/2015	2,471,976	2,612,453	2,424,534	2,645,595	2,456,549						
6/30/2016	1,933,690	2,176,051	2,542,443	2,764,018							
6/30/2017	2,112,821	2,374,454	2,622,789								
6/30/2018	2,842,179	3,448,905									
6/30/2019	2,561,183										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	2,892,173	2,863,048	2,863,048	2,862,948	2,862,948	2,862,948	2,962,948	2,962,948	2,962,948		
6/30/2001	3,141,337	3,141,646	2,991,646	3,016,748	3,041,748	3,131,210	3,131,210	3,141,109			
6/30/2002	2,298,833	2,326,834	2,318,833	2,318,833	2,418,833	2,418,833	2,423,833				
6/30/2003	1,967,583	1,967,583	2,067,583	2,267,583	2,360,914	2,365,692					
6/30/2004	3,314,400	3,316,276	3,324,176	3,314,664	3,314,564						
6/30/2005	2,722,247	2,718,033	2,718,033	2,724,061							
6/30/2006	2,458,857	2,554,047	2,563,194								
6/30/2007	2,554,812	2,640,182									
6/30/2008	1,474,301										

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
6/30/2000	1.233	1.022	1.041	0.958	1.072	1.009	1.058	0.988	1.000	0.997	1.009
6/30/2001	1.159	1.132	1.059	0.999	1.027	1.044	0.926	1.050	1.008	1.019	0.999
6/30/2002	1.173	1.037	1.057	1.050	1.050	0.972	0.970	1.048	1.000	1.003	1.002
6/30/2003	1.028	1.037	1.086	1.009	0.941	1.002	1.030	1.013	0.999	1.001	1.004
6/30/2004	1.060	1.123	1.140	1.054	0.994	0.973	1.030	0.982	1.021	1.000	1.031
6/30/2005	1.005	0.972	1.169	0.979	1.065	0.944	1.045	0.986	1.004	0.999	1.002
6/30/2006	1.151	1.130	0.974	1.027	1.058	1.046	1.005	0.995	1.001	0.973	1.002
6/30/2007	1.309	1.219	0.935	0.994	0.937	0.988	1.010	1.040	1.000	1.000	1.000
6/30/2008	1.288	0.771	1.027	0.960	1.022	0.985	0.995	1.001	1.000	1.015	0.997
6/30/2009	0.765	1.158	0.937	1.012	0.975	1.046	0.965	1.000	1.000	1.002	
6/30/2010	1.000	0.975	1.054	1.051	1.021	1.025	0.976	1.048	0.951		
6/30/2011	1.095	1.150	0.947	1.064	1.007	0.986	0.998	1.000			
6/30/2012	1.279	1.097	1.172	0.990	1.238	1.020	0.951				
6/30/2013	1.040	1.046	0.993	1.112	0.984	1.000					
6/30/2014	1.001	0.894	1.087	1.050	0.969						
6/30/2015	1.057	0.928	1.091	0.929							
6/30/2016	1.125	1.168	1.087								
6/30/2017	1.124	1.105									
6/30/2018	1.213										
3 Yr Mean	1.154	1.067	1.088	1.030	1.064	1.002	0.975	1.016	0.984	1.006	1.000
Best 3/5	1.102	1.026	1.088	1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001

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

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					1.004	1.015	0.979	1.014	1.000	1.000	1.001
6/30/2016				1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001
6/30/2017			1.088	1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001
6/30/2018		1.026	1.088	1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001
6/30/2019	1.102	1.026	1.088	1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001

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

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

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	4,498,312	10,251,623	14,900,066	19,248,926	20,558,052	21,831,280	25,526,900	25,973,353	26,060,286	26,492,727	26,999,590
6/30/2001	5,752,533	10,468,671	17,429,917	20,742,069	25,157,114	29,185,995	32,581,378	36,226,581	37,694,947	37,747,168	37,687,646
6/30/2002	3,628,657	8,254,913	10,605,155	15,682,186	20,032,596	27,778,708	31,412,432	34,867,471	36,859,934	37,525,879	38,477,013
6/30/2003	3,360,394	6,930,329	10,929,349	14,996,335	18,519,904	20,067,957	21,545,499	22,291,266	22,677,864	23,108,927	23,286,496
6/30/2004	3,311,909	7,131,277	11,517,266	15,408,360	19,442,787	22,471,706	24,550,881	25,284,553	26,665,498	27,501,537	27,521,406
6/30/2005	3,707,735	7,304,518	12,951,214	16,440,574	19,381,132	21,300,935	22,287,301	23,018,709	23,935,751	25,709,984	25,975,474
6/30/2006	2,650,519	6,327,238	10,432,883	14,152,089	15,853,055	19,495,180	21,715,494	22,434,377	22,488,494	22,880,705	25,965,676
6/30/2007	3,543,927	8,875,678	13,568,851	18,643,355	20,795,347	22,950,393	25,564,496	26,223,793	28,153,989	28,529,619	28,804,569
6/30/2008	4,377,770	9,003,212	14,731,964	19,598,128	24,175,012	26,606,328	27,499,997	28,600,618	29,728,549	30,603,554	31,625,291
6/30/2009	4,152,909	8,503,243	14,287,048	17,457,592	21,442,508	23,239,955	24,359,599	25,560,399	26,459,293	31,083,293	31,441,786
6/30/2010	4,818,516	10,273,107	16,209,284	21,138,304	24,719,911	26,818,787	29,370,998	30,398,986	31,160,110	31,419,389	
6/30/2011	5,592,872	12,879,858	17,827,927	22,852,401	27,024,498	29,335,207	29,771,161	30,291,809	30,633,141		
6/30/2012	6,525,817	12,009,260	18,389,758	23,335,752	26,725,365	29,162,178	31,092,033	32,661,615			
6/30/2013	5,950,056	11,180,542	17,975,818	25,050,938	27,229,515	27,707,076	28,074,139				
6/30/2014	6,315,586	12,049,467	16,241,473	19,032,412	20,492,885	25,391,746					
6/30/2015	6,365,498	12,382,080	19,758,532	24,745,516	29,265,004						
6/30/2016	5,943,864	10,808,210	18,252,639	23,742,473							
6/30/2017	6,499,336	12,674,110	18,866,550								
6/30/2018	6,873,781	15,362,850									
6/30/2019	5,582,435										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	27,533,976	27,742,539	27,969,020	28,367,185	28,515,200	28,613,783	38,043,450	28,945,738	29,011,227
6/30/2001	38,164,488	38,398,057	38,393,463	38,421,360	38,444,915	38,480,384	38,470,844	38,490,150	
6/30/2002	39,257,295	39,351,368	39,335,961	39,537,330	39,582,460	39,604,515	39,642,502		
6/30/2003	23,334,548	23,385,045	23,335,829	23,485,425	23,510,098	23,538,782			
6/30/2004	28,370,296	28,440,250	28,501,442	28,402,520	28,582,524				
6/30/2005	25,868,995	26,191,239	26,410,417	26,477,680					
6/30/2006	26,288,309	26,160,585	26,374,431						
6/30/2007	28,978,739	29,162,381							
6/30/2008	31,963,857								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	5,753,311	4,648,443	4,348,860	1,309,126	1,273,228	3,695,620	446,453	86,933	432,441	506,863	534,386	208,563	226,481
6/30/2001	4,716,138	6,961,246	3,312,152	4,415,045	4,028,881	3,395,383	3,645,203	1,468,366	52,221	-59,522	476,842	233,569	-4,594
6/30/2002	4,626,256	2,350,242	5,077,031	4,350,410	7,746,112	3,633,724	3,455,039	1,992,463	665,945	951,134	780,282	94,073	-15,407
6/30/2003	3,569,935	3,999,020	4,066,986	3,523,569	1,548,053	1,477,542	745,767	386,598	431,063	177,569	48,052	50,497	-49,216
6/30/2004	3,819,368	4,385,989	3,891,094	4,034,427	3,028,919	2,079,175	733,672	1,380,945	836,039	19,869	848,890	69,954	61,192
6/30/2005	3,596,783	5,646,696	3,489,360	2,940,558	1,919,803	986,366	731,408	917,042	1,774,233	265,490	-106,479	322,244	219,178
6/30/2006	3,676,719	4,105,645	3,719,206	1,700,966	3,642,125	2,220,314	718,883	54,117	392,211	3,084,971	322,633	-127,724	213,846
6/30/2007	5,331,751	4,693,173	5,074,504	2,151,992	2,155,046	2,614,103	659,297	1,930,196	375,630	274,950	174,170	183,642	
6/30/2008	4,625,442	5,728,752	4,866,164	4,576,884	2,431,316	893,669	1,100,621	1,127,931	875,005	1,021,737	338,566		
6/30/2009	4,350,334	5,783,805	3,170,544	3,984,916	1,797,447	1,119,644	1,200,800	898,894	4,624,000	358,493			
6/30/2010	5,454,591	5,936,177	4,929,020	3,581,607	2,098,876	2,552,211	1,027,988	761,124	259,279				
6/30/2011	7,286,986	4,948,069	5,024,474	4,172,097	2,310,709	435,954	520,648	341,332					
6/30/2012	5,483,443	6,380,498	4,945,994	3,389,613	2,436,813	1,929,855	1,569,582						
6/30/2013	5,230,486	6,795,276	7,075,120	2,178,577	477,561	367,063							
6/30/2014	5,733,881	4,192,006	2,790,939	1,460,473	4,898,861								
6/30/2015	6,016,582	7,376,452	4,986,984	4,519,488									
6/30/2016	4,864,346	7,444,429	5,489,834										
6/30/2017	6,174,774	6,192,440											
6/30/2018	8,489,069												

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0865	0.0699	0.0654	0.0197	0.0191	0.0556	0.0067	0.0013	0.0065	0.0076	0.0080	0.0031	0.0034
6/30/2001	0.0747	0.1102	0.0525	0.0699	0.0638	0.0538	0.0577	0.0233	0.0008	-0.0009	0.0076	0.0037	-0.0001
6/30/2002	0.0765	0.0389	0.0839	0.0719	0.1280	0.0601	0.0571	0.0329	0.0110	0.0157	0.0129	0.0016	-0.0003
6/30/2003	0.0661	0.0741	0.0753	0.0653	0.0287	0.0274	0.0138	0.0072	0.0080	0.0033	0.0009	0.0009	-0.0009
6/30/2004	0.0711	0.0816	0.0724	0.0751	0.0564	0.0387	0.0137	0.0257	0.0156	0.0004	0.0158	0.0013	0.0011
6/30/2005	0.0750	0.1178	0.0728	0.0613	0.0400	0.0206	0.0153	0.0191	0.0370	0.0055	-0.0022	0.0067	0.0046
6/30/2006	0.0836	0.0934	0.0846	0.0387	0.0828	0.0505	0.0163	0.0012	0.0089	0.0702	0.0073	-0.0029	0.0049
6/30/2007	0.1083	0.0954	0.1031	0.0437	0.0438	0.0531	0.0134	0.0392	0.0076	0.0056	0.0035	0.0037	
6/30/2008	0.0865	0.1071	0.0909	0.0855	0.0454	0.0167	0.0206	0.0211	0.0164	0.0191	0.0063		
6/30/2009	0.0789	0.1050	0.0575	0.0723	0.0326	0.0203	0.0218	0.0163	0.0839	0.0065			
6/30/2010	0.0908	0.0988	0.0820	0.0596	0.0349	0.0425	0.0171	0.0127	0.0043				
6/30/2011	0.1034	0.0702	0.0713	0.0592	0.0328	0.0062	0.0074	0.0048					
6/30/2012	0.0793	0.0923	0.0715	0.0490	0.0352	0.0279	0.0227						
6/30/2013	0.0779	0.1012	0.1053	0.0324	0.0071	0.0055							
6/30/2014	0.0723	0.0529	0.0352	0.0184	0.0618								
6/30/2015	0.0759	0.0930	0.0629	0.0570									
6/30/2016	0.0699	0.1070	0.0789										
6/30/2017	0.0780	0.0782											
6/30/2018	0.1027												

Best 3/5	0.0754	0.0908	0.0711	0.0462	0.0343	0.0181	0.0198	0.0167	0.0110	0.0104	0.0057	0.0020	0.0018
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
FRINGE COVERAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	15,297,290	18,280,082	29,820,483	30,261,906	29,840,355	30,029,979	30,612,675	30,810,199	30,724,357	30,795,409	30,568,570
6/30/2001	12,895,029	28,727,400	31,001,913	34,378,164	36,016,801	36,328,617	36,318,592	36,341,172	36,433,427	36,232,630	36,001,384
6/30/2002	15,378,507	18,501,023	21,759,680	24,407,351	22,565,925	22,023,339	21,910,379	21,669,211	21,856,113	21,860,237	21,717,439
6/30/2003	10,731,046	13,454,207	16,894,978	15,223,502	15,175,252	15,360,861	14,527,968	14,304,808	14,534,740	14,351,609	14,545,276
6/30/2004	16,540,401	21,622,689	18,707,367	19,174,330	18,761,807	18,493,646	18,532,279	18,537,764	18,548,703	18,775,385	18,795,040
6/30/2005	14,503,035	18,632,694	21,005,770	20,558,540	19,978,573	20,095,066	19,716,028	19,814,501	19,910,534	20,185,290	20,129,209
6/30/2006	19,120,964	23,195,768	24,149,221	23,445,572	22,721,488	22,639,832	22,352,322	22,450,851	22,243,914	22,065,066	22,080,067
6/30/2007	18,286,796	22,304,967	22,855,543	22,998,445	22,729,597	22,227,889	22,133,204	22,268,260	22,335,818	22,570,300	22,503,150
6/30/2008	16,951,872	18,626,253	18,274,412	18,025,273	18,056,166	18,130,237	18,312,354	18,512,247	18,439,712	18,488,885	18,380,545
6/30/2009	13,628,971	15,933,773	15,705,532	15,887,788	16,738,751	16,780,241	16,822,545	16,667,068	16,400,472	16,480,473	16,524,569
6/30/2010	11,886,574	15,058,349	16,055,890	15,875,686	16,182,849	16,062,544	15,829,739	15,773,624	15,898,110	16,231,038	
6/30/2011	9,598,453	11,250,454	12,274,394	13,375,169	13,494,175	13,448,225	13,139,376	12,847,309	13,085,464		
6/30/2012	8,801,716	11,272,407	11,129,017	11,366,375	11,765,510	11,204,717	11,114,370	11,245,883			
6/30/2013	9,185,477	10,783,313	12,115,306	12,246,654	12,559,860	12,538,795	12,399,692				
6/30/2014	8,319,513	11,351,046	14,433,596	14,507,326	14,790,114	14,986,658					
6/30/2015	8,906,922	11,413,775	14,844,069	16,823,957	17,582,006						
6/30/2016	10,126,454	13,186,854	16,775,373	17,010,726							
6/30/2017	10,408,366	13,520,313	14,611,090								
6/30/2018	11,014,930	14,464,732									
6/30/2019	7,808,287										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	30,290,710	30,289,710	30,501,027	30,401,027	30,401,027	30,404,527	30,440,669	30,628,527	30,653,558		
6/30/2001	35,900,028	36,084,728	36,084,728	36,174,728	36,185,063	36,184,962	36,289,463	36,289,462			
6/30/2002	21,812,002	21,895,477	21,995,477	21,948,827	21,940,977	22,071,578	22,171,577				
6/30/2003	14,511,006	14,575,907	14,580,204	14,657,704	14,775,202	14,775,202					
6/30/2004	18,590,926	18,666,037	18,710,837	18,823,231	18,823,231						
6/30/2005	19,875,461	20,000,458	20,072,853	19,972,853							
6/30/2006	22,288,817	22,150,317	22,250,316								
6/30/2007	22,452,980	22,513,876									
6/30/2008	18,280,545										

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
FRINGE COVERAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.195	1.631	1.015	0.986	1.006	1.019	1.006	0.997	1.002	0.993	0.991
6/30/2001	2.228	1.079	1.109	1.048	1.009	1.000	1.001	1.003	0.994	0.994	0.997
6/30/2002	1.203	1.176	1.122	0.925	0.976	0.995	0.989	1.009	1.000	0.993	1.004
6/30/2003	1.254	1.256	0.901	0.997	1.012	0.946	0.985	1.016	0.987	1.013	0.998
6/30/2004	1.307	0.865	1.025	0.978	0.986	1.002	1.000	1.001	1.012	1.001	0.989
6/30/2005	1.285	1.127	0.979	0.972	1.006	0.981	1.005	1.005	1.014	0.997	0.987
6/30/2006	1.213	1.041	0.971	0.969	0.996	0.987	1.004	0.991	0.992	1.001	1.009
6/30/2007	1.220	1.025	1.006	0.988	0.978	0.996	1.006	1.003	1.010	0.997	0.998
6/30/2008	1.099	0.981	0.986	1.002	1.004	1.010	1.011	0.996	1.003	0.994	0.995
6/30/2009	1.169	0.986	1.012	1.054	1.002	1.003	0.991	0.984	1.005	1.003	
6/30/2010	1.267	1.066	0.989	1.019	0.993	0.986	0.996	1.008	1.021		
6/30/2011	1.172	1.091	1.090	1.009	0.997	0.977	0.978	1.019			
6/30/2012	1.281	0.987	1.021	1.035	0.952	0.992	1.012				
6/30/2013	1.174	1.124	1.011	1.026	0.998	0.989					
6/30/2014	1.364	1.272	1.005	1.019	1.013						
6/30/2015	1.281	1.301	1.133	1.045							
6/30/2016	1.302	1.272	1.014								
6/30/2017	1.299	1.081									
6/30/2018	1.313										
3 Yr Mean	1.305	1.218	1.051	1.030	0.988	0.986	0.995	1.004	1.010	0.998	1.001
Best 3/5	1.305	1.223	1.015	1.027	0.996	0.989	0.999	1.002	1.006	0.998	0.994

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

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

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

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

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	7,179,904	10,345,305	20,636,045	22,404,272	24,770,114	26,821,230	29,384,182	31,513,880	34,127,747	36,744,111	36,309,185
6/30/2001	4,038,320	14,909,376	21,093,962	27,906,248	31,239,417	36,046,759	37,557,651	38,302,298	39,164,951	40,333,161	40,369,875
6/30/2002	5,267,347	10,047,732	14,348,657	18,051,409	17,856,494	20,127,048	21,429,562	21,306,001	21,443,771	21,601,274	21,575,132
6/30/2003	3,530,811	8,644,142	11,629,401	14,981,392	16,862,693	18,233,847	26,457,069	28,320,369	31,927,970	32,143,136	32,415,877
6/30/2004	3,663,369	7,694,986	12,676,540	17,529,007	20,728,422	21,214,216	21,284,936	22,205,373	22,484,011	22,354,371	22,518,397
6/30/2005	2,512,134	8,093,042	13,687,309	16,257,649	17,709,103	19,683,411	19,591,247	19,585,951	20,525,646	21,542,078	21,953,734
6/30/2006	2,837,590	9,030,485	13,354,963	16,525,248	18,238,209	19,512,448	23,191,601	24,436,183	26,820,520	29,449,815	29,559,622
6/30/2007	2,647,425	7,821,025	16,797,441	20,643,871	22,764,833	23,194,367	19,230,344	22,291,308	22,326,105	22,359,217	22,428,644
6/30/2008	2,078,654	7,060,164	12,212,820	16,140,428	16,766,600	17,674,697	18,441,436	19,083,679	19,178,557	19,421,266	19,713,460
6/30/2009	2,997,534	8,087,329	12,148,387	17,701,862	24,010,059	26,583,089	27,311,281	27,796,400	28,147,528	28,639,755	25,390,682
6/30/2010	3,324,238	12,036,337	19,896,029	22,090,304	26,712,060	30,322,472	32,284,172	33,958,116	34,110,789	34,439,625	
6/30/2011	4,056,968	13,091,755	19,760,027	25,075,633	29,846,738	32,128,697	33,910,279	34,347,193	34,641,320		
6/30/2012	3,416,257	10,212,200	13,087,908	23,428,538	24,775,980	28,178,279	30,386,483	31,983,018			
6/30/2013	3,038,860	9,168,884	13,283,791	18,586,296	22,098,481	24,292,233	28,472,822				
6/30/2014	4,471,893	12,196,104	17,911,943	19,115,386	24,356,155	29,443,261					
6/30/2015	4,737,569	9,986,535	16,826,964	25,328,583	27,792,533						
6/30/2016	5,171,147	11,155,652	15,317,484	17,102,785							
6/30/2017	4,087,316	10,348,355	14,545,224								
6/30/2018	4,922,614	15,913,218									
6/30/2019	3,822,895										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	36,342,311	36,104,101	36,125,151	36,126,085	36,126,085	36,170,684	36,178,356	36,253,403	36,302,059
6/30/2001	40,326,643	40,327,935	40,334,095	40,323,271	40,324,818	40,324,818	40,324,819	40,340,159	
6/30/2002	21,661,748	21,706,732	21,771,110	21,774,311	21,773,894	21,925,021	21,970,326		
6/30/2003	32,386,143	35,215,134	35,223,353	35,287,269	35,724,029	35,713,443			
6/30/2004	22,480,276	22,691,783	22,674,000	22,720,845	22,756,714				
6/30/2005	22,276,108	23,679,331	23,979,993	24,849,479					
6/30/2006	29,811,735	29,900,041	30,139,662						
6/30/2007	22,458,919	22,553,955							
6/30/2008	19,756,460								

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

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

A.Y.E.	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	0.0640	0.2079	0.0357	0.0478	0.0414	0.0518	0.0430	0.0528	0.0529	-0.0088	0.0007	-0.0048	0.0004
6/30/2001	0.1863	0.1060	0.1168	0.0571	0.0824	0.0259	0.0128	0.0148	0.0200	0.0006	-0.0007	0.0000	0.0001
6/30/2002	0.1345	0.1210	0.1042	-0.0055	0.0639	0.0367	-0.0035	0.0039	0.0044	-0.0007	0.0024	0.0013	0.0018
6/30/2003	0.2162	0.1262	0.1417	0.0796	0.0580	0.3477	0.0788	0.1526	0.0091	0.0115	-0.0013	0.1196	0.0003
6/30/2004	0.1298	0.1604	0.1562	0.1030	0.0156	0.0023	0.0296	0.0090	-0.0042	0.0053	-0.0012	0.0068	-0.0006
6/30/2005	0.1643	0.1647	0.0757	0.0427	0.0581	-0.0027	-0.0002	0.0277	0.0299	0.0121	0.0095	0.0413	0.0088
6/30/2006	0.1874	0.1308	0.0959	0.0518	0.0386	0.1113	0.0377	0.0721	0.0795	0.0033	0.0076	0.0027	0.0072
6/30/2007	0.1453	0.2522	0.1081	0.0596	0.0121	-0.1114	0.0860	0.0010	0.0009	0.0020	0.0009	0.0027	
6/30/2008	0.1796	0.1858	0.1416	0.0226	0.0327	0.0276	0.0232	0.0034	0.0088	0.0105	0.0016		
6/30/2009	0.1889	0.1507	0.2061	0.2341	0.0955	0.0270	0.0180	0.0130	0.0183	-0.1206			
6/30/2010	0.2847	0.2568	0.0717	0.1510	0.1180	0.0641	0.0547	0.0050	0.0107				
6/30/2011	0.3858	0.2847	0.2270	0.2037	0.0974	0.0761	0.0187	0.0126					
6/30/2012	0.3434	0.1453	0.5225	0.0681	0.1719	0.1116	0.0807						
6/30/2013	0.2906	0.1951	0.2514	0.1665	0.1040	0.1982							
6/30/2014	0.3025	0.2238	0.0471	0.2052	0.1992								
6/30/2015	0.1805	0.2352	0.2923	0.0847									
6/30/2016	0.1996	0.1388	0.0596										
6/30/2017	0.2386	0.1599											
6/30/2018	0.3072												

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

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

Notes: All dollar amounts are displayed in thousands.

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

PREMISES / OPERATIONS
TREND SUMMARY
AVERAGE ANNUAL PERCENT CHANGES

(1) <u>EXPOSURE TREND</u>	<u>MANUFACTURERS</u>	<u>CONTRACTORS</u>	<u>OL&T</u> <u>CLASS GROUPS 1-13 *</u>	<u>OL&T</u> <u>CLASS GROUP 16</u>	<u>PREMISES/</u> <u>OPERATIONS</u>
a) 1/1/2017 to 1/1/2022 AYE 6/30/2017	+ 1.0%	+ 2.1%	+ 0.8%	+ 2.0%	+ 0.8%
b) 1/1/2018 to 1/1/2022 AYE 6/30/2018	+ 1.0%	+ 1.8%	+ 0.8%	+ 1.6%	+ 0.8%
c) 1/1/2019 to 1/1/2022 AYE 6/30/2019	+ 0.8%	+ 1.2%	+ 0.8%	+ 1.1%	+ 0.6%

	<u>MANUFACTURERS & CONTRACTORS</u>			<u>OWNERS, LANDLORDS & TENANTS</u>		
(2) <u>OCCURRENCE SEVERITY</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>
a) Fitted						
All Years (20 Points)	+ 4.1%	+ 5.1%	- 0.3%	+ 4.5%	+ 4.9%	- 3.8%
Eight Year (16 Points)	+ 4.2%	+ 4.6%	- 1.2%	+ 4.6%	+ 5.2%	- 6.1%
Six Year (12 Points)	+ 4.8%	+ 2.6%	- 4.1%	+ 4.7%	+ 6.7%	- 1.7%
b) Selected	+ 4.5%	+ 4.5%	0.0%	+ 4.0%	+ 5.0%	+ 1.0%

(3) <u>FREQUENCY TREND</u>	<u>M&C</u>	<u>OL&T</u>
Selected	0.0%	- 0.5%
(4) <u>TOTAL ANNUAL NET TREND</u>	+ 3.4%	+ 3.3%

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

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

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

MANUFACTURERS AND CONTRACTORS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 6/30/2017, 6/30/2018 & 6/30/2019

(1)				(2)				(3)			
YEAR ENDING		MANUFACTURERS		CONTRACTORS		MANUFACTURERS		CONTRACTORS			
QUARTER*		CLASS GROUP		CLASS GROUP		CLASS GROUP		CLASS GROUP			
		SALES EXPOSURE		PAYROLL EXPOSURE		SALES EXPOSURE		PAYROLL EXPOSURE			
		INDICES		INDICES		INDICES		INDICES			
2009	1	0.961	22.128	2016	1	1.030	25.313				
	2	0.966	22.349		2	1.031	25.481				
	3	0.969	22.502		3	1.030	25.735				
	4	0.968	22.653		4	1.030	25.943				
2010	1	0.964	22.806	2017	1	1.033	26.166				
	2	0.962	22.928		2	1.034	26.330				
	3	0.962	23.080		3	1.037	26.530				
	4	0.965	23.208		4	1.040	26.719				
2011	1	0.968	23.312	2018	1	1.043	26.958				
	2	0.973	23.427		2	1.048	27.208				
	3	0.978	23.556		3	1.052	27.441				
	4	0.982	23.638		4	1.056	27.728				
2012	1	0.986	23.715	2019	1	1.059	27.949				
	2	0.990	23.794		2	1.062	28.183				
	3	0.995	23.873		3	1.064	28.355				
	4	1.000	23.965		4	1.065	28.506				
2013	1	1.004	24.062	2020	1P	1.068	28.680				
	2	1.006	24.140		2P	1.069	28.795				
	3	1.008	24.167		3P	1.069	28.894				
	4	1.010	24.208		4P	1.069	28.944				
2014	1	1.012	24.299	2021	1P	1.068	28.956				
	2	1.016	24.405		2P	1.069	28.975				
	3	1.019	24.538		3P	1.072	29.006				
	4	1.022	24.663		4P	1.076	29.055				
2015	1	1.024	24.759	2022	1P	1.082	29.123				
	2	1.026	24.909		2P	1.088	29.208				
	3	1.028	25.013		3P	1.095	29.312				
	4	1.030	25.172		4P	1.101	29.436				
CHANGE IN EXPOSURES				MANUFACTURERS				CONTRACTORS			
1/1/2017 to 1/1/2022		(2022:2/2017:2)		1.052		1.109					
1/1/2018 to 1/1/2022		(2022:2/2018:2)		1.039		1.074					
1/1/2019 to 1/1/2022		(2022:2/2019:2)		1.024		1.036					
AVERAGE ANNUAL TREND FACTOR											
1/1/2017 to 1/1/2022		(5.0 YRS)		1.010		1.021					
1/1/2018 to 1/1/2022		(4.0 YRS)		1.010		1.018					
1/1/2019 to 1/1/2022		(3.0 YRS)		1.008		1.012					

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

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

<u>TYPE OF CLASS</u>	<u>VOLUME</u> ²	<u>INFLATION TREND</u> ³
FURNITURE	9.5%	-1.4%
OTHER DURABLES	6.2%	-1.5%
CLOTHING	9.6%	-0.5%
FOOD	43.8%	1.6%
OTHER NON-DURABLES	26.7%	1.2%
RECREATION SERVICES	4.2%	1.9%
TOTAL	100.0%	0.8% ⁴

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

² Volume weights are based on each type of class's inflation-adjusted contribution to GDP in year ending 6/30/2019. Inflation adjusted GDP is measured in terms of 2012 prices.

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

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

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

YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS	RECREATION SERVICES	YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS	RECREATION SERVICES
2009	1	1.066	0.986	0.947	0.931	0.919	0.940	2016	1	0.920	0.902	0.999	1.061	1.027	1.058
	2	1.069	0.986	0.950	0.936	0.930	0.942		2	0.913	0.901	0.998	1.063	1.029	1.064
	3	1.066	0.985	0.952	0.937	0.942	0.944		3	0.907	0.899	0.998	1.064	1.034	1.071
	4	1.061	0.986	0.956	0.936	0.953	0.947		4	0.900	0.899	0.998	1.065	1.038	1.078
2010	1	1.051	0.984	0.957	0.936	0.962	0.949	2017	1	0.895	0.897	0.999	1.066	1.042	1.086
	2	1.039	0.983	0.956	0.937	0.966	0.953		2	0.888	0.893	0.997	1.068	1.046	1.092
	3	1.027	0.982	0.953	0.940	0.968	0.955		3	0.882	0.890	0.995	1.071	1.048	1.100
	4	1.015	0.982	0.949	0.943	0.970	0.957		4	0.875	0.887	0.992	1.075	1.050	1.108
2011	1	1.006	0.987	0.947	0.948	0.973	0.960	2018	1	0.869	0.885	0.991	1.078	1.051	1.114
	2	1.001	0.994	0.949	0.955	0.977	0.964		2	0.866	0.882	0.994	1.082	1.054	1.120
	3	1.000	1.002	0.955	0.965	0.981	0.968		3	0.864	0.878	0.993	1.086	1.054	1.125
	4	1.000	1.008	0.965	0.975	0.985	0.973		4	0.866	0.871	0.993	1.090	1.055	1.131
2012	1	1.001	1.011	0.976	0.984	0.990	0.980	2019	1	0.868	0.862	0.991	1.095	1.055	1.136
	2	1.001	1.009	0.988	0.991	0.993	0.986		2	0.869	0.857	0.984	1.101	1.055	1.142
	3	1.000	1.005	0.994	0.996	0.997	0.993		3	0.872	0.853	0.984	1.106	1.056	1.147
	4	1.000	1.000	1.000	1.000	1.000	1.000		4	0.872	0.851	0.980	1.111	1.059	1.153
2013	1	0.998	0.994	1.005	1.004	1.001	1.005	2020	1P	0.869	0.850	0.977	1.114	1.063	1.160
	2	0.994	0.989	1.006	1.008	1.001	1.009		2P	0.865	0.845	0.977	1.116	1.066	1.164
	3	0.988	0.985	1.009	1.012	1.001	1.013		3P	0.859	0.841	0.974	1.119	1.070	1.169
	4	0.981	0.979	1.010	1.015	1.002	1.017		4P	0.853	0.838	0.975	1.123	1.074	1.171
2014	1	0.972	0.970	1.010	1.018	1.004	1.022	2021	1P	0.846	0.835	0.974	1.127	1.080	1.172
	2	0.962	0.959	1.012	1.024	1.006	1.028		2P	0.842	0.834	0.975	1.133	1.086	1.178
	3	0.954	0.950	1.013	1.030	1.009	1.032		3P	0.836	0.832	0.974	1.138	1.093	1.184
	4	0.947	0.940	1.013	1.038	1.013	1.036		4P	0.832	0.831	0.974	1.144	1.099	1.190
2015	1	0.940	0.931	1.011	1.045	1.017	1.038	2022	1P	0.829	0.830	0.973	1.150	1.105	1.196
	2	0.935	0.923	1.007	1.050	1.021	1.042		2P	0.827	0.830	0.973	1.156	1.111	1.201
	3	0.930	0.914	1.004	1.054	1.023	1.047		3P	0.827	0.830	0.973	1.162	1.117	1.206
	4	0.924	0.906	1.001	1.058	1.025	1.052		4P	0.828	0.830	0.973	1.168	1.123	1.212
Change In Exposures*								Average Annual Trend Factor							
1/1/2017 to 1/1/2022 (2022:2/2017:2)								1/1/2017 to 1/1/2022 (5.0 Years)							
		0.931	0.929	0.976	1.082	1.063	1.100			-1.4%	-1.5%	-0.5%	1.6%	1.2%	1.9%

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

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

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

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

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

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2009	\$ 235,622,274	4,219	\$ 55,848	\$ 54,215		
6/30/2010	241,062,562	4,244	56,801	55,325		
12/31/2010	237,530,308	4,359	54,492	56,458		
6/30/2011	256,426,904	4,517	56,769	57,614		
12/31/2011	262,424,287	4,357	60,230	58,793	\$ 58,571	
6/30/2012	236,406,866	3,830	61,725	59,997	59,797	
12/31/2012	218,327,726	3,601	60,630	61,225	61,050	
6/30/2013	221,312,657	3,621	61,119	62,479	62,328	
12/31/2013	229,206,087	3,711	61,764	63,758	63,633	\$ 62,594
6/30/2014	258,653,361	3,938	65,681	65,064	64,966	64,065
12/31/2014	250,350,005	3,667	68,271	66,396	66,326	65,569
6/30/2015	227,440,436	3,434	66,232	67,755	67,715	67,109
12/31/2015	215,545,550	3,379	63,790	69,142	69,133	68,685
6/30/2016	218,469,251	3,098	70,519	70,558	70,581	70,298
12/31/2016	226,198,154	3,140	72,038	72,002	72,059	71,949
6/30/2017	233,688,687	3,209	72,823	73,477	73,568	73,639
12/31/2017	250,513,546	3,225	77,679	74,981	75,108	75,369
6/30/2018	261,020,444	3,224	80,962	76,516	76,681	77,139
12/31/2018	251,380,934	3,218	78,117	78,083	78,287	78,950
6/30/2019	249,251,940	3,166	78,728	79,681	79,926	80,804
Goodness of Fit Statistic, R-Squared:				0.936	0.904	0.863
Average Annual Severity Trend (10 yr)				+ 4.1%		
Average Annual Severity Trend (8 yr)				+ 4.2%		
Average Annual Severity Trend (6 yr)				+ 4.8%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity <u>Severity</u>	(5) Exponential Curve of Best Fit to Col (4) <u>10 Year 8 Year 6 Year</u>		
12/31/2009	\$ 166,786,475	15,221	\$ 10,958	\$ 10,602		
6/30/2010	165,560,608	15,591	10,619	10,869		
12/31/2010	169,511,123	16,140	10,503	11,143		
6/30/2011	175,185,043	16,218	10,802	11,424		
12/31/2011	178,200,069	16,030	11,117	11,713	\$ 12,027	
6/30/2012	171,166,242	15,315	11,176	12,008	12,298	
12/31/2012	182,222,087	14,398	12,656	12,311	12,575	
6/30/2013	182,896,889	13,822	13,232	12,621	12,858	
12/31/2013	176,657,072	13,041	13,546	12,940	13,147	\$ 13,996
6/30/2014	183,108,491	12,708	14,409	13,266	13,443	14,179
12/31/2014	184,234,738	12,485	14,756	13,601	13,745	14,364
6/30/2015	182,719,812	12,187	14,993	13,944	14,055	14,552
12/31/2015	181,519,836	12,263	14,802	14,296	14,371	14,742
6/30/2016	181,577,722	12,437	14,600	14,656	14,695	14,935
12/31/2016	187,699,571	12,699	14,781	15,026	15,025	15,130
6/30/2017	187,479,162	12,660	14,809	15,405	15,363	15,328
12/31/2017	198,129,894	12,478	15,878	15,794	15,709	15,528
6/30/2018	198,836,145	12,565	15,825	16,192	16,063	15,731
12/31/2018	197,899,451	12,400	15,960	16,600	16,424	15,937
6/30/2019	196,352,560	12,081	16,253	17,019	16,794	16,145
Goodness of Fit Statistic, R-Squared:				0.897	0.824	0.807
Average Annual Severity Trend (10 yr)				+ 5.1%		
Average Annual Severity Trend (8 yr)				+ 4.6%		
Average Annual Severity Trend (6 yr)				+ 2.6%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2009	\$ 23,727,055	515	\$ 46,072	\$ 40,081		
6/30/2010	22,834,697	604	37,806	40,029		
12/31/2010	18,644,387	574	32,482	39,977		
6/30/2011	18,603,120	504	36,911	39,926		
12/31/2011	18,857,007	500	37,714	39,874	\$ 41,871	
6/30/2012	18,369,412	474	38,754	39,823	41,616	
12/31/2012	16,582,405	439	37,773	39,771	41,363	
6/30/2013	17,923,327	423	42,372	39,720	41,111	
12/31/2013	23,458,969	474	49,491	39,669	40,861	\$ 45,151
6/30/2014	22,900,787	526	43,538	39,617	40,612	44,227
12/31/2014	20,406,375	508	40,170	39,566	40,365	43,322
6/30/2015	22,271,191	513	43,414	39,515	40,119	42,435
12/31/2015	20,544,898	525	39,133	39,464	39,874	41,566
6/30/2016	21,575,377	529	40,785	39,413	39,632	40,716
12/31/2016	19,932,691	483	41,269	39,362	39,390	39,882
6/30/2017	16,638,613	515	32,308	39,312	39,150	39,066
12/31/2017	22,739,690	549	41,420	39,261	38,912	38,266
6/30/2018	26,419,036	556	47,516	39,210	38,675	37,483
12/31/2018	17,832,335	519	34,359	39,160	38,439	36,716
6/30/2019	16,680,880	492	33,904	39,109	38,205	35,965
Goodness of Fit Statistic, R-Squared:				0.004	0.064	0.326
Average Annual Severity Trend (10 yr)				- 0.3%		
Average Annual Severity Trend (8 yr)				- 1.2%		
Average Annual Severity Trend (6 yr)				- 4.1%		
Selected Annual Severity Trend				0.0%		

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

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

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2009	\$ 631,697,147	19,190	\$ 32,918	\$ 32,318		
6/30/2010	649,384,967	19,772	32,844	33,044		
12/31/2010	679,989,083	20,120	33,797	33,786		
6/30/2011	706,040,379	20,420	34,576	34,546		
12/31/2011	693,639,284	19,556	35,469	35,322	\$ 35,169	
6/30/2012	632,588,124	17,277	36,614	36,116	35,976	
12/31/2012	598,038,420	16,386	36,497	36,927	36,802	
6/30/2013	632,849,703	17,125	36,955	37,757	37,646	
12/31/2013	682,175,634	18,101	37,687	38,605	38,510	\$ 38,442
6/30/2014	758,994,700	19,245	39,439	39,473	39,394	39,337
12/31/2014	751,824,475	18,444	40,763	40,360	40,298	40,253
6/30/2015	741,371,872	17,773	41,713	41,267	41,222	41,191
12/31/2015	770,650,459	17,980	42,862	42,194	42,168	42,150
6/30/2016	743,503,511	16,859	44,101	43,142	43,136	43,132
12/31/2016	743,205,883	16,972	43,790	44,112	44,126	44,136
6/30/2017	774,704,688	17,612	43,987	45,103	45,138	45,164
12/31/2017	810,415,611	18,224	44,470	46,116	46,174	46,215
6/30/2018	887,140,288	18,962	46,785	47,153	47,234	47,291
12/31/2018	896,651,764	18,347	48,872	48,212	48,318	48,393
6/30/2019	854,872,588	16,807	50,864	49,296	49,426	49,520
Goodness of Fit Statistic, R-Squared:				0.982	0.970	0.942
Average Annual Severity Trend (10 yr)				+ 4.5%		
Average Annual Severity Trend (8 yr)				+ 4.6%		
Average Annual Severity Trend (6 yr)				+ 4.7%		
Selected Annual Severity Trend				+ 4.0%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2009	\$ 73,232,389	8,179	\$ 8,954	\$ 8,352		
6/30/2010	75,009,598	8,430	8,898	8,552		
12/31/2010	74,500,774	8,699	8,564	8,757		
6/30/2011	76,462,777	8,911	8,581	8,967		
12/31/2011	83,833,363	8,830	9,494	9,183	\$ 9,031	
6/30/2012	78,466,258	8,078	9,714	9,403	9,265	
12/31/2012	75,845,345	7,657	9,905	9,629	9,505	
6/30/2013	73,310,116	7,748	9,462	9,860	9,752	
12/31/2013	77,305,431	7,732	9,998	10,096	10,004	\$ 9,544
6/30/2014	75,542,238	7,915	9,544	10,339	10,263	9,859
12/31/2014	74,630,074	7,879	9,472	10,587	10,529	10,185
6/30/2015	85,047,587	7,600	11,190	10,841	10,802	10,521
12/31/2015	88,187,021	7,630	11,558	11,101	11,082	10,869
6/30/2016	81,885,166	7,616	10,752	11,368	11,369	11,228
12/31/2016	88,337,111	7,702	11,469	11,640	11,663	11,599
6/30/2017	91,341,382	8,065	11,326	11,920	11,965	11,982
12/31/2017	97,981,909	7,888	12,422	12,206	12,275	12,377
6/30/2018	101,042,321	7,562	13,362	12,499	12,593	12,786
12/31/2018	95,731,886	7,352	13,021	12,799	12,919	13,208
6/30/2019	96,767,122	7,001	13,822	13,106	13,254	13,645
Goodness of Fit Statistic, R-Squared:				0.884	0.852	0.865
Average Annual Severity Trend (10 yr)				+ 4.9%		
Average Annual Severity Trend (8 yr)				+ 5.2%		
Average Annual Severity Trend (6 yr)				+ 6.7%		
Selected Annual Severity Trend				+ 5.0%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2009	\$ 40,246,685	518	\$ 77,696	\$ 85,914		
6/30/2010	42,409,254	558	76,002	84,276		
12/31/2010	33,732,674	525	64,253	82,669		
6/30/2011	40,466,044	470	86,098	81,093		
12/31/2011	45,486,533	422	107,788	79,547	\$ 89,311	
6/30/2012	33,496,081	348	96,253	78,030	86,551	
12/31/2012	30,740,405	339	90,680	76,542	83,877	
6/30/2013	30,894,768	380	81,302	75,083	81,285	
12/31/2013	32,396,888	415	78,065	73,651	78,773	\$ 67,325
6/30/2014	36,512,408	470	77,686	72,247	76,339	66,757
12/31/2014	30,877,757	513	60,191	70,869	73,980	66,193
6/30/2015	36,474,370	589	61,926	69,518	71,694	65,634
12/31/2015	39,551,020	674	58,681	68,192	69,478	65,080
6/30/2016	36,520,342	697	52,396	66,892	67,332	64,530
12/31/2016	35,257,959	639	55,177	65,617	65,251	63,985
6/30/2017	32,972,807	555	59,410	64,366	63,235	63,445
12/31/2017	39,822,818	539	73,883	63,138	61,281	62,909
6/30/2018	45,980,991	544	84,524	61,934	59,387	62,378
12/31/2018	36,205,589	549	65,948	60,754	57,552	61,851
6/30/2019	24,292,445	460	52,810	59,595	55,773	61,329
Goodness of Fit Statistic, R-Squared:				0.302	0.443	0.035
Average Annual Severity Trend (10 yr)				- 3.8%		
Average Annual Severity Trend (8 yr)				- 6.1%		
Average Annual Severity Trend (6 yr)				- 1.7%		
Selected Annual Severity Trend				+ 1.0%		

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

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

(See Section B- Explanation of Trend Calculation).

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at <u>Ultimate</u> ¹	(4) Occurrence Frequency <u>(3)/(2)</u> ²
6/30/2006	\$ 721,613,388	25,267	35.01
6/30/2007	751,277,830	26,185	34.85
6/30/2008	755,025,104	25,992	34.43
6/30/2009	775,427,520	26,700	34.43
6/30/2010	717,057,601	26,137	36.45
6/30/2011	731,358,117	26,642	36.43
6/30/2012	749,798,952	25,485	33.99
6/30/2013	737,937,479	24,353	33.00
6/30/2014	790,462,467	24,980	31.60
6/30/2015	811,616,912	24,342	29.99
6/30/2016	825,144,162	25,037	30.34
6/30/2017	844,199,482	25,903	30.68
6/30/2018	871,728,318	26,057	29.89
6/30/2019	871,743,920	25,356	29.09

Selected Annual Frequency Trend: 0.0%

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

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

PREMISES/OPERATIONS
OWNERS, LANDLORDS AND TENANTS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

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

Selected Annual Frequency Trend: - 0.5%

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

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

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

CLASS GROUP 01

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

CLASS GROUP 02

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

CLASS GROUP 03

10026	1.24	
10042	0.71	
10060	0.34	
10065	0.51	
10066	0.52	
10071	0.61	
10101	0.46	
10105	4.98	
10113	0.69	
10115	1.37	
10130	6.79	
10132	5.85	
10150	0.95	
10151	23.92	
10160	4.26	
10204	0.43	
10205	0.48	
10220	9.04	
10309	0.31	
10315	0.73	
11020	0.58	
11126	0.12	
11155	0.41	
11204	0.60	
11234	0.54	
11273	26.77	
11274	25.69	
12356	2.27	
12374	1.18	
12375	0.58	
12393	0.77	
12467	0.32	

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

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

CLASS GROUP 04

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

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

*Base Class

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

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

*Base Class

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

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

CLASS GROUP 14

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

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

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

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

CLASS GROUP 16

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

*

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

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

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

*Base Class

CLASS GROUP 32 (cont'd)

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

99321	6.22
99613	5.51
99620	0.30
99718	0.88
99746	1.49
99760	0.17
99793	1.89
99827	0.27
99851	1.10
99917	1.78
99938	2.00
99943	5.80
99946	4.32
99963	0.43

CLASS GROUP 33

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

*

96317	0.29
96872	1.03
97220	0.075
97308	0.14
97447	0.46
97651	1.36
97652	1.18
97655	1.05
98002	0.19
98152	0.64
98153	0.72
98154	0.85
98155	1.19
98157	0.76
98159	0.51
98160	1.08
98161	1.21
98163	1.27
98303	2.39
98309	1.20
98429	0.25
98658	1.23
98659	0.22
98705	1.74
98751	0.93
98914	0.15
98949	0.21
99220	0.33
99222	0.62
99471	0.15
99969	0.60
99988	0.53

CLASS GROUP 34

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

*

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

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

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

CLASS GROUP 36 (cont'd)		56041	1.78	58058	2.38	59725	1.87
		56042	2.24	58095	3.35	59726	1.36
52469	0.98	56202	1.78	58096	4.45	59738	4.34
52505	4.88	56390	3.11	58302	1.20	59790	3.35
52581	23.79	56391	2.67	58397	6.97	59867	3.77
52619	1.67	56427	4.30	58503	1.86	59886	0.51
52911	1.33	56699	1.98	58532	2.40	59905	2.36
52967	0.50	56758	1.68	58559	0.49	59914	13.86
53001	4.89	56759	1.72	58560	1.18	59923	0.34
53077	2.35	56760	2.47	58575	1.52	59931	6.23
53095	1.61	56805	3.25	58627	4.88	59932	6.71
53096	2.24	56806	2.30	58682	4.34	59941	2.09
53121	6.37	56807	2.28	58737	3.15	59955	0.80
53271	1.20	56808	2.98	58757	10.62	59963	5.95
53631	0.74	56900	2.86	58759	1.31	59964	13.94
53632	0.85	56910	1.43	58802	1.49	59973	3.84
53731	0.78	56980	2.48	58822	4.10	59984	1.05
53732	5.32	57001	0.85	58903	0.94	59985	4.11
53733	3.46	57002	0.55	58904	0.72	59986	3.14
53907	2.34	57202	2.20	59005	1.78	59989	0.55
54077	3.20	57257	2.73	59057	13.18		
55010	9.66	57401	1.55	59058	8.53		
55011	2.61	57410	0.75	59257	0.48		
55012	3.11	57572	0.44	59306	3.01		
55214	2.52	57600	1.31	59481	8.09		
55597	0.63	57625	11.52	59601	3.05		
55647	1.26	57651	1.40	59660	5.61		
55648	0.57	57798	0.71	59661	2.75		
55649	0.68	57800	2.65	59693	0.46		
55715	5.00	57913	3.43	59701	0.22		
55716	7.23	57998	1.52	59713	5.02		
55918	2.86	58010	3.53	59722	2.60		
55919	0.39	58056	4.21	59723	0.98		
56040	0.27	58057	2.65	59724	1.50		

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

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

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

*Base Class

<u>CLASS GROUP 38</u>		46622	10.69	*	53905	(a)	98158	(a)
10072	4.39	47050	1.00		53951	(a)	98162	(a)
10367	3.88	47367	0.25		53952	(a)	98428	(a)
10368	5.67	49005	0.17		53953	(a)	98430	(a)
11007	1.65	49840	1.03		54444	(a)	98622	(a)
11201	14.44	51516	0.075		55014	(a)	98623	(a)
11202	4.27	51517	0.085		55410	(a)	98698	(a)
11206	0.67	51985	0.070		58561	(a)	98871	(a)
11207	8.46	52660	0.089		59695	(a)	99081	(a)
11208	1.45	53734	0.45		91210	(a)	99082	(a)
11209	6.81	54012	0.045		91280	(a)	99083	(a)
11210	2.90	57997	0.10		91325	(a)	99084	(a)
11211	15.07	58408	0.059		91581	(a)	99085	(a)
11212	2.28	58409	0.075		91582	(a)	99160	(a)
11213	1.86	58456	0.040		91583	(a)	99221	(a)
11214	4.58	58457	0.058		91584	(a)	99445	(a)
11222	0.077	58458	0.075		91585	(a)	99798	(a)
14405	0.97	58459	0.09		91586	(a)	99803	(a)
15070	0.13	<u>CLASS GROUP 39</u>			91587	(a)	99986	(a)
15607	0.17	11205	(a)		91588	(a)	99987	(a)
15699	0.42	13206	(a)		91589	(a)		
16471	0.24	13207	(a)		91591	(a)		
41620	1.21	13411	(a)		91618	(a)		
41677	0.25	15060	(a)		94444	(a)		
41696	0.79	15061	(a)		94638	(a)		
41697	0.55	18575	(a)		95358	(a)		
43470	4.60	41675	(a)		95630	(a)		
43822	3.66	41679	(a)		95648	(a)		
43840	0.045	44010	(a)		96703	(a)		
43860	2.88	51211	(a)		96930	(a)		
43889	1.03	52876	(a)		97002	(a)		
44280	0.25	53901	(a)		97003	(a)		
45678	0.27	53902	(a)		97221	(a)		
		53903	(a)		98150	(a)		
		53904	(a)		98151	(a)		
					98156	(a)		

CLASS EXCEPTIONS

The following class exceptions apply by state:

Class Group 10

47469 Not valid for New Jersey

Class Group 13

49292 For New York, territory 01, class is mapped to Class Group 14 {(a)-rated}
49920 Valid only for New York, territory 01, with a differential of 1.00

Class Group 14

49910 Valid only for New York
49913 Valid only for New York

Class Group 32

92447 Not valid for New York, territory 01
92453 Not valid for New York, territory 01
93166 Valid only for Louisiana, with a differential of 0.17
93167 Valid only for Louisiana, with a differential of 1.62

Class Group 33

91130 For New York, class is mapped to Class Group 39 {(a)-rated}
91600 Valid only for New York, with a differential of 1.32
91636 For New York, class is mapped to Class Group 39 {(a)-rated}
98751 For New York, class is mapped to Class Group 39 {(a)-rated}

Class Group 35

51029 Valid only for Hawaii, with a differential of 1.00
51098 Valid only for Hawaii, with a differential of 1.00

Class Group 38

41620 Not valid for New York

Class Group 39

93169 Valid only for Louisiana

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

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	X	EXPOSURE TREND#	X	AVERAGE IPMF*	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
-----	-----	-----	-----		-----		-----		-----
MONOLINE	12/31/2016	\$23,878,780	1.000		1.062				\$25,359,264
	12/31/2017	25,804,701	1.000		1.052				27,146,545
	12/31/2018	26,885,500	1.006		1.037				28,047,545
MULTILINE	12/31/2016	\$83,435,135	1.000		1.063		0.859		\$76,186,040
	12/31/2017	86,784,843	1.000		1.054		0.859		78,573,782
	12/31/2018	88,688,712	1.006		1.038		0.859		79,553,052
TOTAL	12/31/2016								\$101,545,304
	12/31/2017								105,720,327
	12/31/2018								107,600,597

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

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDING FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2020 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION F - AVERAGE ANNUAL EXPOSURE TRENDS.

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

MULTISTATE
PRODUCTS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	BASIC LIMIT DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ. FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$11,436,770		1.093		1.085		1.159		0.927		\$14,571,909
		12/31/2017	9,406,618		1.443		1.085		1.126		0.941		15,604,778
		12/31/2018	6,940,526		2.035		1.085		1.093		0.956		16,012,701
BI	ALAE	12/31/2016	\$18,375,350				1.085		1.159		0.927		\$21,420,447
		12/31/2017	14,473,583				1.085		1.126		0.941		16,639,252
		12/31/2018	20,442,677				1.085		1.093		0.956		23,176,378
PD	B/L INDEMNITY	12/31/2016	\$18,812,804		1.209		1.085		1.338		0.927		\$30,608,738
		12/31/2017	17,734,316		1.311		1.085		1.262		0.941		29,956,830
		12/31/2018	12,754,743		1.529		1.085		1.191		0.956		24,092,318
PD	ALAE	12/31/2016	\$28,336,036				1.085		1.338		0.927		\$38,133,326
		12/31/2017	27,060,311				1.085		1.262		0.941		34,866,753
		12/31/2018	21,891,329				1.085		1.191		0.956		27,044,037
	TOTAL												
	FULL COVERAGE	12/31/2016											\$104,734,419
		12/31/2017											97,067,612
		12/31/2018											90,325,434

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

MULTISTATE
PRODUCTS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	BASIC LIMIT DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ. FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$1,590,170		1.234		1.085		1.159		0.927		\$2,287,450
		12/31/2017	1,621,225		1.485		1.085		1.126		0.941		2,767,754
		12/31/2018	813,295		2.426		1.085		1.093		0.956		2,236,901
BI	ALAE	12/31/2016	\$2,146,076				1.085		1.159		0.927		\$2,501,716
		12/31/2017	2,883,401				1.085		1.126		0.941		3,314,842
		12/31/2018	3,023,366				1.085		1.093		0.956		3,427,666
PD	B/L INDEMNITY	12/31/2016	\$2,207,724		1.085		1.085		1.338		0.927		\$3,223,592
		12/31/2017	3,102,310		1.123		1.085		1.262		0.941		4,488,939
		12/31/2018	2,386,977		1.308		1.085		1.191		0.956		3,857,051
PD	ALAE	12/31/2016	\$2,805,848				1.085		1.338		0.927		\$3,775,980
		12/31/2017	6,391,807				1.085		1.262		0.941		8,235,735
		12/31/2018	3,944,204				1.085		1.191		0.956		4,872,578
	TOTAL DED COVERAGE	12/31/2016											\$11,788,739
		12/31/2017											18,807,269
		12/31/2018											14,394,195
	TOTAL	12/31/2016											\$116,523,158
		12/31/2017											115,874,882
		12/31/2018											104,719,629

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

MULTISTATE
Products
Subline Code 336
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Not Applicable	--
32	Not Applicable	--
33	Not Applicable	--
34	Mercantile Policy	0.843
35	Not Applicable	--
36	Service Policy	0.909
37	Industrial/Processing Policy	0.866
38	Not Applicable	--

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

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

MULTISTATE
PRODUCTS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2011	204,835,056	208,164,225	208,042,486	208,037,218	208,037,597	208,035,967	208,035,999	208,035,999
12/31/2012	214,724,779	217,698,788	217,681,536	217,695,894	217,687,776	217,688,000	217,685,880	
12/31/2013	225,261,039	227,627,237	227,623,277	227,562,626	227,560,295	227,560,819		
12/31/2014	232,396,278	238,264,563	237,985,796	237,948,271	237,871,639			
12/31/2015	235,028,602	235,761,953	235,508,577	235,439,321				
12/31/2016	224,899,093	224,647,735	224,822,866					
12/31/2017	220,373,248	221,519,070						
12/31/2018	218,683,098							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2011	1.016	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.014	1.000	1.000	1.000	1.000	1.000	
12/31/2013	1.011	1.000	1.000	1.000	1.000		
12/31/2014	1.025	0.999	1.000	1.000			
12/31/2015	1.003	0.999	1.000				
12/31/2016	0.999	1.001					
12/31/2017	1.005						
12/31/2018							

Average Best 3 of 5

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

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

MULTISTATE PRODUCTS LOSS DEVELOPMENT DATA

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	5,717,015	10,569,732	14,356,450	16,981,064	17,081,349	16,929,106	16,893,460	16,604,162	17,052,217	17,286,547	17,112,687
12/31/2000	6,449,962	10,033,274	13,729,433	15,431,034	15,323,473	15,192,172	15,868,032	15,345,582	15,225,466	15,293,967	15,207,277
12/31/2001	7,537,915	11,487,533	15,110,683	15,697,373	16,074,033	16,099,785	16,387,745	16,733,846	16,433,076	16,289,764	16,609,946
12/31/2002	6,793,461	10,503,399	14,106,818	15,968,391	15,448,574	14,723,038	14,522,061	14,285,828	14,281,474	14,309,545	14,598,065
12/31/2003	7,104,756	11,402,396	14,372,287	15,265,769	14,684,755	13,983,099	13,681,336	14,216,365	14,559,196	14,748,307	14,718,788
12/31/2004	6,651,990	10,441,136	13,710,157	15,174,010	14,832,935	13,841,888	13,850,098	13,729,546	14,091,358	14,203,538	14,205,116
12/31/2005	8,388,932	10,021,755	12,984,688	12,649,875	12,987,896	13,143,146	13,019,008	13,289,851	13,064,271	12,964,345	12,917,622
12/31/2006	7,717,029	11,993,600	15,910,477	16,192,312	15,887,278	16,078,375	15,954,977	16,219,028	16,474,800	16,427,133	16,066,903
12/31/2007	8,901,689	13,932,807	17,205,969	18,297,746	18,098,623	18,250,071	17,760,766	17,751,594	17,533,520	17,427,818	17,555,300
12/31/2008	9,101,834	13,238,554	15,942,410	16,274,984	17,980,803	16,728,097	16,604,973	16,425,051	16,461,558	16,505,746	16,743,765
12/31/2009	10,881,954	13,556,300	16,014,683	16,208,587	15,902,856	15,995,618	15,897,357	15,979,180	15,924,448	16,188,362	
12/31/2010	10,846,473	15,004,305	16,577,497	17,234,052	17,530,587	16,100,506	15,901,753	15,895,140	15,920,906		
12/31/2011	8,727,742	11,726,521	14,822,904	14,979,662	14,308,465	14,177,131	14,036,555	14,166,737			
12/31/2012	8,420,808	12,625,212	16,559,269	16,946,741	16,954,821	16,626,019	16,440,010				
12/31/2013	6,669,511	9,461,665	13,116,130	13,884,875	14,228,247	14,050,212					
12/31/2014	7,382,818	10,139,074	13,608,235	15,279,621	14,775,408						
12/31/2015	7,287,436	9,520,900	12,456,831	13,847,593							
12/31/2016	6,051,107	8,703,775	11,202,564								
12/31/2017	6,629,159	9,812,226									
12/31/2018	6,778,342										

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

PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.849	1.358	1.183	1.006	0.991	0.998	0.983	1.027	1.014	0.990	0.996
12/31/2000	1.556	1.368	1.124	0.993	0.991	1.044	0.967	0.992	1.004	0.994	1.001
12/31/2001	1.524	1.315	1.039	1.024	1.002	1.018	1.021	0.982	0.991	1.020	1.019
12/31/2002	1.546	1.343	1.132	0.967	0.953	0.986	0.984	1.000	1.002	1.020	1.032
12/31/2003	1.605	1.260	1.062	0.962	0.952	0.978	1.039	1.024	1.013	0.998	1.001
12/31/2004	1.570	1.313	1.107	0.978	0.933	1.001	0.991	1.026	1.008	1.000	0.991
12/31/2005	1.195	1.296	0.974	1.027	1.012	0.991	1.021	0.983	0.992	0.996	0.993
12/31/2006	1.554	1.327	1.018	0.981	1.012	0.992	1.017	1.016	0.997	0.978	1.018
12/31/2007	1.565	1.235	1.063	0.989	1.008	0.973	0.999	0.988	0.994	1.007	0.999
12/31/2008	1.454	1.204	1.021	1.105	0.930	0.993	0.989	1.002	1.003	1.014	
12/31/2009	1.246	1.181	1.012	0.981	1.006	0.994	1.005	0.997	1.017		
12/31/2010	1.383	1.105	1.040	1.017	0.918	0.988	1.000	1.002			
12/31/2011	1.344	1.264	1.011	0.955	0.991	0.990	1.009				
12/31/2012	1.499	1.312	1.023	1.000	0.981	0.989					
12/31/2013	1.419	1.386	1.059	1.025	0.987						
12/31/2014	1.373	1.342	1.123	0.967							
12/31/2015	1.306	1.308	1.112								
12/31/2016	1.438	1.287									
12/31/2017	1.480										
3 Yr Mean	1.408	1.312	1.098	0.997	0.986	0.989	1.005	1.000	1.005	1.000	1.003
Best 3/5	1.410	1.321	1.065	0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.986	0.991	1.001	1.000	0.998	1.001	0.998
12/31/2015				0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998
12/31/2016			1.065	0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998
12/31/2017		1.321	1.065	0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998
12/31/2018	1.410	1.321	1.065	0.995	0.986	0.991	1.001	1.000	0.998	1.001	0.998

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	489,628	684,095	942,281	1,109,567	1,227,393	1,100,508	1,319,661	1,155,355	1,144,023	1,070,122	1,193,595
12/31/2000	870,239	1,069,778	1,256,990	1,495,480	1,409,661	1,375,363	1,531,917	1,595,954	1,673,321	1,559,785	1,688,780
12/31/2001	498,354	1,028,391	1,417,213	1,703,023	1,477,859	1,673,159	1,988,228	1,953,088	1,991,661	1,908,726	1,929,624
12/31/2002	553,001	1,105,166	1,453,740	1,389,328	1,624,546	1,622,279	1,695,928	1,520,005	1,468,078	1,471,973	1,469,628
12/31/2003	630,019	904,600	939,108	1,634,794	1,374,153	1,335,817	1,390,331	1,381,834	1,384,309	1,389,957	1,392,068
12/31/2004	1,179,217	1,433,888	2,231,909	2,366,761	2,365,969	2,239,999	2,102,002	2,087,667	2,087,050	2,088,514	2,102,805
12/31/2005	706,817	985,457	1,733,435	1,813,687	1,197,901	1,201,595	1,239,458	1,172,627	1,070,138	1,065,713	1,070,204
12/31/2006	1,012,660	1,790,467	2,007,740	1,972,457	1,682,504	1,614,930	1,643,339	1,690,785	1,594,811	1,599,313	1,627,214
12/31/2007	1,775,707	2,300,635	2,174,000	2,490,444	2,554,309	2,089,228	2,095,655	2,202,232	2,206,643	2,231,632	2,241,907
12/31/2008	1,030,087	1,440,957	1,766,961	1,859,373	1,963,092	2,013,719	2,129,233	2,101,703	2,024,204	2,011,854	2,009,628
12/31/2009	893,756	969,404	1,137,659	1,272,024	1,495,638	1,642,179	1,586,940	1,581,941	1,674,167	1,671,940	
12/31/2010	1,046,857	1,879,906	2,031,526	2,136,140	2,267,507	2,464,744	2,417,405	2,216,188	2,705,107		
12/31/2011	1,213,415	1,646,204	2,053,142	1,769,937	1,745,346	1,750,128	1,848,096	1,855,194			
12/31/2012	1,026,582	1,252,871	1,743,602	1,627,904	1,495,152	1,692,087	1,795,150				
12/31/2013	693,051	981,104	1,044,864	1,228,706	1,315,719	1,375,968					
12/31/2014	754,627	1,610,710	1,872,354	2,138,741	2,078,516						
12/31/2015	880,830	1,190,955	1,183,366	1,486,877							
12/31/2016	876,851	1,130,282	1,561,883								
12/31/2017	509,952	1,322,768									
12/31/2018	847,528										

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

PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.397	1.377	1.178	1.106	0.897	1.199	0.875	0.990	0.935	1.115	1.000
12/31/2000	1.229	1.175	1.190	0.943	0.976	1.114	1.042	1.048	0.932	1.083	1.031
12/31/2001	2.064	1.378	1.202	0.868	1.132	1.188	0.982	1.020	0.958	1.011	1.012
12/31/2002	1.998	1.315	0.956	1.169	0.999	1.045	0.896	0.966	1.003	0.998	1.000
12/31/2003	1.436	1.038	1.741	0.841	0.972	1.041	0.994	1.002	1.004	1.002	1.000
12/31/2004	1.216	1.557	1.060	1.000	0.947	0.938	0.993	1.000	1.001	1.007	0.998
12/31/2005	1.394	1.759	1.046	0.660	1.003	1.032	0.946	0.913	0.996	1.004	1.003
12/31/2006	1.768	1.121	0.982	0.853	0.960	1.018	1.029	0.943	1.003	1.017	0.985
12/31/2007	1.296	0.945	1.146	1.026	0.818	1.003	1.051	1.002	1.011	1.005	1.008
12/31/2008	1.399	1.226	1.052	1.056	1.026	1.057	0.987	0.963	0.994	0.999	
12/31/2009	1.085	1.174	1.118	1.176	1.098	0.966	0.997	1.058	0.999		
12/31/2010	1.796	1.081	1.051	1.061	1.087	0.981	0.917	1.221			
12/31/2011	1.357	1.247	0.862	0.986	1.003	1.056	1.004				
12/31/2012	1.220	1.392	0.934	0.918	1.132	1.061					
12/31/2013	1.416	1.065	1.176	1.071	1.046						
12/31/2014	2.134	1.162	1.142	0.972							
12/31/2015	1.352	0.994	1.256								
12/31/2016	1.289	1.382									
12/31/2017	2.594										
3 Yr Mean	1.745	1.179	1.191	0.987	1.060	1.033	0.973	1.081	1.001	1.007	0.999
Best 3/5	1.634	1.203	1.084	1.006	1.077	1.031	0.996	1.008	0.999	1.005	1.000

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

Development From

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

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	18,624,785	19,125,647	19,695,875	20,534,413	21,868,607	22,419,334	22,841,682	23,368,424	23,630,162
12/31/2000	20,286,810	20,586,684	20,968,539	21,098,560	21,347,767	21,525,516	21,664,477	21,962,086	
12/31/2001	19,987,812	20,329,171	20,609,279	20,912,049	21,122,306	21,422,486	21,577,685		
12/31/2002	23,638,152	23,557,837	23,531,498	22,785,011	22,903,075	23,404,020			
12/31/2003	22,818,076	23,080,027	22,412,276	22,507,667	22,549,549				
12/31/2004	18,404,058	18,527,598	18,657,113	18,911,037					
12/31/2005	13,626,250	13,729,752	13,855,899						
12/31/2006	17,017,417	17,191,531							
12/31/2007	25,534,736								

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

	Increments												
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	2,823,935	3,402,078	3,280,509	2,565,572	1,314,872	498,058	151,161	957,132	1,352,143	705,216	412,431	500,862	570,228
12/31/2000	3,074,129	4,083,886	3,624,428	1,675,940	1,313,672	2,301,751	692,716	1,136,385	754,433	180,371	328,256	299,874	381,855
12/31/2001	3,422,182	3,270,817	2,261,541	3,213,152	1,667,415	1,764,334	1,655,226	374,582	-27,172	337,494	298,442	341,359	280,108
12/31/2002	2,184,408	4,431,547	4,229,755	3,425,958	3,031,375	284,990	752,930	513,369	455,975	274,309	2,453,884	-80,315	-26,339
12/31/2003	2,842,608	4,583,324	5,297,428	3,849,676	1,447,441	641,681	1,021,373	-298,222	953,357	1,152,997	-63,783	261,951	-667,751
12/31/2004	2,173,771	3,437,542	3,937,792	2,895,895	276,756	1,479,234	849,096	889,128	1,197,196	147,717	156,065	123,540	129,515
12/31/2005	1,572,791	2,463,313	2,191,300	2,281,101	2,172,252	91,525	341,886	215,162	360,921	293,430	175,206	103,502	126,147
12/31/2006	4,415,003	1,898,225	2,862,588	1,812,432	1,569,247	2,030,282	1,330,777	-927,161	81,385	16,909	13,200	174,114	
12/31/2007	4,484,328	3,692,590	3,921,867	3,200,729	1,837,928	1,156,403	227,153	227,324	4,327,058	7,225	102,767		
12/31/2008	2,327,482	4,054,705	5,591,935	4,041,842	2,167,578	-90,683	419,966	310,481	166,539	149,400			
12/31/2009	2,548,321	4,500,394	3,224,471	2,319,135	1,069,935	58,732	272,046	-8,525	99,296				
12/31/2010	3,525,040	4,014,677	5,388,236	2,333,930	754,038	213,718	174,914	123,452					
12/31/2011	3,183,454	4,495,246	3,377,529	1,971,333	1,265,435	1,060,983	-57,673						
12/31/2012	4,652,884	8,652,420	5,185,832	3,394,911	2,765,596	206,349							
12/31/2013	3,267,205	3,872,621	2,819,745	2,149,232	1,433,094								
12/31/2014	2,781,545	3,798,128	3,906,917	2,948,690									
12/31/2015	2,533,501	3,582,520	4,204,347										
12/31/2016	2,529,408	4,952,759											
12/31/2017	2,114,571												

	Incremental Percentages												
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.0858	0.1033	0.0996	0.0779	0.0399	0.0151	0.0046	0.0291	0.0411	0.0214	0.0125	0.0152	0.0173
12/31/2000	0.1003	0.1333	0.1183	0.0547	0.0429	0.0751	0.0226	0.0371	0.0246	0.0059	0.0107	0.0098	0.0125
12/31/2001	0.1052	0.1006	0.0695	0.0988	0.0513	0.0543	0.0509	0.0115	-0.0008	0.0104	0.0092	0.0105	0.0086
12/31/2002	0.0761	0.1545	0.1474	0.1194	0.1057	0.0099	0.0262	0.0179	0.0159	0.0096	0.0855	-0.0028	-0.0009
12/31/2003	0.0893	0.1440	0.1665	0.1210	0.0455	0.0202	0.0321	-0.0094	0.0300	0.0362	-0.0020	0.0082	-0.0210
12/31/2004	0.0812	0.1284	0.1471	0.1082	0.0103	0.0553	0.0317	0.0332	0.0447	0.0055	0.0058	0.0046	0.0048
12/31/2005	0.0534	0.0837	0.0745	0.0775	0.0738	0.0031	0.0116	0.0073	0.0123	0.0100	0.0060	0.0035	0.0043
12/31/2006	0.1263	0.0543	0.0819	0.0519	0.0449	0.0581	0.0381	-0.0265	0.0023	0.0005	0.0004	0.0050	
12/31/2007	0.1157	0.0953	0.1012	0.0826	0.0474	0.0298	0.0059	0.0059	0.1117	0.0002	0.0027		
12/31/2008	0.0706	0.1229	0.1696	0.1226	0.0657	-0.0027	0.0127	0.0094	0.0050	0.0045			
12/31/2009	0.0686	0.1212	0.0868	0.0624	0.0288	0.0016	0.0073	-0.0002	0.0027				
12/31/2010	0.0999	0.1138	0.1527	0.0661	0.0214	0.0061	0.0050	0.0035					
12/31/2011	0.1139	0.1609	0.1209	0.0706	0.0453	0.0380	-0.0021						
12/31/2012	0.1325	0.2463	0.1476	0.0967	0.0787	0.0059							
12/31/2013	0.1127	0.1336	0.0973	0.0741	0.0494								
12/31/2014	0.0838	0.1144	0.1177	0.0888									
12/31/2015	0.0903	0.1277	0.1499										
12/31/2016	0.1050	0.2055											
12/31/2017	0.0841												

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

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

171 to Ultimate Factor: 1.114

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.530	0.437	0.282	0.153	0.075	0.034	0.029
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.023	0.020	0.014	0.010	0.007	0.003	0.000

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

* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	8,775,392	11,535,910	13,261,731	14,911,838	14,482,216	15,518,987	15,373,379	16,532,220	17,305,331	17,611,023	17,653,455
12/31/2000	9,359,243	12,279,206	13,973,001	14,691,586	15,996,268	16,853,143	17,692,485	18,458,300	18,703,896	19,022,889	19,036,275
12/31/2001	10,869,760	13,663,578	17,452,620	18,711,416	18,613,153	19,344,924	20,491,312	20,372,410	20,877,064	21,074,729	21,359,528
12/31/2002	8,533,174	13,870,196	16,823,277	16,055,637	16,062,495	17,132,778	17,509,920	17,773,076	18,044,002	18,222,620	18,780,953
12/31/2003	9,012,463	11,099,270	13,275,916	14,336,459	15,527,939	16,801,077	17,205,204	17,822,810	18,396,081	18,716,324	18,777,872
12/31/2004	9,194,145	10,781,272	12,043,858	12,480,851	13,822,864	14,106,820	14,439,410	14,835,573	14,979,087	15,374,665	15,540,431
12/31/2005	10,979,382	12,763,283	13,035,554	13,750,429	14,035,423	14,503,047	14,469,086	15,492,129	15,509,844	16,185,873	16,497,692
12/31/2006	11,369,031	12,856,270	14,049,961	14,489,775	15,494,160	16,034,032	16,521,529	18,384,856	18,986,993	18,863,137	18,978,220
12/31/2007	14,784,289	16,984,723	18,098,424	18,003,843	19,189,763	20,022,203	21,337,826	22,022,132	22,351,476	23,106,876	23,683,391
12/31/2008	15,223,786	18,435,601	19,820,517	20,915,565	21,673,701	22,709,746	23,331,127	23,849,672	24,460,633	24,942,823	25,121,810
12/31/2009	19,321,608	21,973,561	23,335,793	23,271,289	23,573,579	24,283,393	23,955,543	24,646,473	25,055,441	24,939,758	
12/31/2010	17,768,740	20,278,971	21,797,115	22,267,455	22,236,153	22,989,117	23,109,074	23,544,158	23,897,400		
12/31/2011	14,929,478	16,713,856	17,323,735	18,800,347	19,119,554	19,604,687	20,122,246	20,706,268			
12/31/2012	15,698,829	16,385,698	17,963,339	20,079,613	20,557,137	20,965,072	21,264,832				
12/31/2013	14,944,259	17,246,442	18,606,227	18,693,570	19,509,190	19,945,664					
12/31/2014	14,004,454	16,007,816	17,455,808	17,647,602	17,971,473						
12/31/2015	14,471,682	15,353,443	16,073,751	16,952,446							
12/31/2016	14,794,173	17,753,973	19,289,844								
12/31/2017	14,180,555	17,619,101									
12/31/2018	12,984,057										

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

PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.315	1.150	1.124	0.971	1.072	0.991	1.075	1.047	1.018	1.002	0.992
12/31/2000	1.312	1.138	1.051	1.089	1.054	1.050	1.043	1.013	1.017	1.001	0.988
12/31/2001	1.257	1.277	1.072	0.995	1.039	1.059	0.994	1.025	1.009	1.014	1.001
12/31/2002	1.625	1.213	0.954	1.000	1.067	1.022	1.015	1.015	1.010	1.031	1.005
12/31/2003	1.232	1.196	1.080	1.083	1.082	1.024	1.036	1.032	1.017	1.003	1.026
12/31/2004	1.173	1.117	1.036	1.108	1.021	1.024	1.027	1.010	1.026	1.011	1.013
12/31/2005	1.162	1.021	1.055	1.021	1.033	0.998	1.071	1.001	1.044	1.019	0.992
12/31/2006	1.131	1.093	1.031	1.069	1.035	1.030	1.113	1.033	0.993	1.006	0.991
12/31/2007	1.149	1.066	0.995	1.066	1.043	1.066	1.032	1.015	1.034	1.025	1.006
12/31/2008	1.211	1.075	1.055	1.036	1.048	1.027	1.022	1.026	1.020	1.007	
12/31/2009	1.137	1.062	0.997	1.013	1.030	0.986	1.029	1.017	0.995		
12/31/2010	1.141	1.075	1.022	0.999	1.034	1.005	1.019	1.015			
12/31/2011	1.120	1.036	1.085	1.017	1.025	1.026	1.029				
12/31/2012	1.044	1.096	1.118	1.024	1.020	1.014					
12/31/2013	1.154	1.079	1.005	1.044	1.022						
12/31/2014	1.143	1.090	1.011	1.018							
12/31/2015	1.061	1.047	1.055								
12/31/2016	1.200	1.087									
12/31/2017	1.242										

3 Yr Mean 1.168 1.075 1.024 1.029 1.022 1.015 1.026 1.019 1.016 1.013 0.996

Best 3/5 1.166 1.085 1.050 1.020 1.026 1.015 1.027 1.019 1.016 1.012 1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	0.994	1.005	0.998	1.002	1.007	1.000	0.999	1.000
12/31/2000	1.008	0.992	0.999	1.000	1.000	1.000	0.999	1.000 *
12/31/2001	0.991	0.996	1.002	0.998	1.000	0.999	1.000 *	1.000 *
12/31/2002	1.006	1.002	1.007	1.000	0.996	1.000 *	1.000 *	1.000 *
12/31/2003	0.990	0.998	1.002	0.999	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	0.993	1.011	0.984					
12/31/2005	0.995	1.014						
12/31/2006	1.017							

3 Yr Mean 1.002 1.008 0.998 0.999 0.999 @ 1.000 @ 0.999 @ 1.000 @

Best 3/5 0.998 1.004 1.001 1.000 1.000 * 1.000 * 1.000 * 1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.026	1.015	1.027	1.019	1.016	1.012	1.004
12/31/2015				1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004
12/31/2016			1.050	1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004
12/31/2017		1.085	1.050	1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004
12/31/2018	1.166	1.085	1.050	1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004

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

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	871,891	974,564	1,240,484	1,804,131	1,825,758	1,990,773	2,124,460	2,280,180	2,603,467	2,813,817	2,899,708
12/31/2000	911,481	1,418,161	1,856,733	1,701,306	1,789,637	1,959,252	2,347,075	2,540,978	2,684,924	2,899,930	2,969,897
12/31/2001	1,714,268	1,906,815	2,501,349	2,794,304	2,722,663	3,033,211	3,480,995	4,053,613	4,295,842	4,413,920	4,562,554
12/31/2002	816,127	1,498,288	1,749,234	2,165,704	2,663,778	2,788,020	2,940,334	2,979,663	3,626,446	3,613,477	3,612,678
12/31/2003	1,112,048	1,100,271	1,034,747	1,198,168	1,258,275	1,407,272	1,758,440	1,800,015	1,823,913	1,978,839	2,303,717
12/31/2004	646,934	1,032,419	1,566,269	1,341,372	1,264,125	1,315,198	1,328,885	1,297,252	1,410,397	1,511,868	1,508,696
12/31/2005	1,247,844	2,341,128	2,237,914	2,570,256	2,665,469	2,564,226	2,830,164	2,951,706	2,948,330	2,896,340	2,831,657
12/31/2006	2,259,717	3,642,554	4,041,624	3,732,114	3,655,686	3,767,640	4,204,456	4,276,901	4,402,958	4,507,887	4,541,307
12/31/2007	3,147,462	2,878,702	2,861,591	2,951,695	3,267,561	3,203,908	3,281,797	3,460,666	3,555,960	3,569,190	3,689,724
12/31/2008	2,300,534	2,356,105	2,912,852	2,942,863	2,719,539	2,777,845	2,954,737	3,042,876	3,053,072	2,973,285	3,080,284
12/31/2009	3,491,893	3,487,472	3,033,187	3,092,760	3,240,776	3,461,193	3,368,806	3,494,914	3,533,663	3,721,210	
12/31/2010	2,146,474	3,013,663	3,275,886	3,013,927	3,001,696	3,111,554	3,178,635	3,098,837	3,148,850		
12/31/2011	3,103,138	3,172,965	3,030,473	3,019,418	3,195,289	3,108,294	3,072,212	3,071,735			
12/31/2012	2,717,493	2,633,520	2,996,093	2,829,308	2,967,153	2,644,919	2,658,274				
12/31/2013	3,542,774	3,578,990	3,636,208	3,715,846	3,657,084	3,731,285					
12/31/2014	3,144,357	4,105,220	4,108,647	4,323,418	4,244,684						
12/31/2015	2,628,499	2,808,688	3,060,015	2,943,331							
12/31/2016	2,860,766	3,201,787	2,881,966								
12/31/2017	2,022,128	2,644,590									
12/31/2018	2,507,459										

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

PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.118	1.273	1.454	1.012	1.090	1.067	1.073	1.142	1.081	1.031	0.984
12/31/2000	1.556	1.309	0.916	1.052	1.095	1.198	1.083	1.057	1.080	1.024	0.971
12/31/2001	1.112	1.312	1.117	0.974	1.114	1.148	1.164	1.060	1.027	1.034	0.965
12/31/2002	1.836	1.167	1.238	1.230	1.047	1.055	1.013	1.217	0.996	1.000	0.929
12/31/2003	0.989	0.940	1.158	1.050	1.118	1.250	1.024	1.013	1.085	1.164	1.029
12/31/2004	1.596	1.517	0.856	0.942	1.040	1.010	0.976	1.087	1.072	0.998	0.980
12/31/2005	1.876	0.956	1.149	1.037	0.962	1.104	1.043	0.999	0.982	0.978	1.032
12/31/2006	1.612	1.110	0.923	0.980	1.031	1.116	1.017	1.029	1.024	1.007	1.009
12/31/2007	0.915	0.994	1.031	1.107	0.981	1.024	1.055	1.028	1.004	1.034	0.994
12/31/2008	1.024	1.236	1.010	0.924	1.021	1.064	1.030	1.003	0.974	1.036	
12/31/2009	0.999	0.870	1.020	1.048	1.068	0.973	1.037	1.011	1.053		
12/31/2010	1.404	1.087	0.920	0.996	1.037	1.022	0.975	1.016			
12/31/2011	1.023	0.955	0.996	1.058	0.973	0.988	1.000				
12/31/2012	0.969	1.138	0.944	1.049	0.891	1.005					
12/31/2013	1.010	1.016	1.022	0.984	1.020						
12/31/2014	1.306	1.001	1.052	0.982							
12/31/2015	1.069	1.089	0.962								
12/31/2016	1.119	0.900									
12/31/2017	1.308										
3 Yr Mean	1.165	0.997	1.012	1.005	0.961	1.005	1.004	1.010	1.010	1.026	1.012
Best 3/5	1.165	1.035	0.993	1.010	1.010	1.005	1.022	1.018	1.003	1.013	1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.994	1.000	1.002	1.000	1.000	1.000	1.000	1.000			
12/31/2000	0.983	1.003	0.999	0.998	1.000	1.023	1.000	1.000 *			
12/31/2001	0.991	0.989	0.996	0.983	1.001	0.998	1.000 *	1.000 *			
12/31/2002	0.985	0.985	0.997	1.001	0.999	1.000 *	1.000 *	1.000 *			
12/31/2003	1.001	1.014	0.999	0.999	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.020	0.997	1.000								
12/31/2005	1.011	1.005									
12/31/2006	0.996										
3 Yr Mean	1.009	1.005	0.999	0.994	1.000 @	1.007 @	1.000 @	1.000 @			
Best 3/5	1.003	0.997	0.998	0.999	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.010	1.005	1.022	1.018	1.003	1.013	1.011
12/31/2015				1.010	1.010	1.005	1.022	1.018	1.003	1.013	1.011
12/31/2016			0.993	1.010	1.010	1.005	1.022	1.018	1.003	1.013	1.011
12/31/2017		1.035	0.993	1.010	1.010	1.005	1.022	1.018	1.003	1.013	1.011
12/31/2018	1.165	1.035	0.993	1.010	1.010	1.005	1.022	1.018	1.003	1.013	1.011

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	18,031,174	17,603,932	17,739,167	17,675,290	17,789,698	17,715,960	17,729,959	17,742,390	17,794,898
12/31/2000	21,187,968	21,540,017	21,700,857	21,640,476	21,897,494	21,894,579	21,872,286	21,874,588	
12/31/2001	19,947,949	20,409,721	20,953,766	21,009,985	21,005,430	21,056,134	21,059,325		
12/31/2002	14,409,665	14,715,566	14,932,696	15,046,206	15,079,675	15,079,395			
12/31/2003	21,303,483	21,503,618	22,164,360	22,218,546	22,124,598				
12/31/2004	17,902,751	18,156,938	18,201,241	18,339,306					
12/31/2005	18,067,854	19,130,261	19,500,421						
12/31/2006	21,236,320	21,436,710							
12/31/2007	23,130,390								

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

	Increments												
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	686,972	2,079,416	2,454,323	1,606,601	2,279,584	1,305,431	1,346,787	1,204,188	1,779,820	454,547	597,427	-427,242	135,235
12/31/2000	1,092,162	2,358,789	3,748,342	2,641,879	3,170,199	2,459,440	909,344	604,109	813,952	438,276	514,839	352,049	160,840
12/31/2001	1,438,231	2,314,081	3,493,835	3,514,563	1,935,432	2,648,905	1,457,744	1,327,060	-812,434	204,516	484,612	461,772	544,045
12/31/2002	1,958,619	3,073,174	1,960,712	1,885,690	1,210,173	655,483	2,008,315	-738,576	404,281	551,537	375,601	305,901	217,130
12/31/2003	2,160,979	2,614,538	3,805,211	1,911,794	2,050,471	1,787,311	1,092,251	1,248,779	1,018,091	810,048	1,275,183	200,135	660,742
12/31/2004	1,036,671	2,493,129	2,269,495	2,114,212	2,036,624	1,340,584	1,017,836	1,195,398	1,043,768	684,132	913,948	254,187	44,303
12/31/2005	2,175,328	2,977,678	239,333	1,207,044	1,244,209	2,224,149	1,603,735	1,061,689	1,198,405	1,118,278	841,457	1,062,407	370,160
12/31/2006	1,997,685	3,065,895	2,734,749	1,900,607	2,100,146	1,092,598	2,195,754	3,107,017	593,532	789,902	101,683	200,390	
12/31/2007	1,986,358	2,196,895	3,370,371	2,745,148	2,190,677	1,424,430	2,290,513	1,160,229	1,836,329	1,181,585	717,173		
12/31/2008	2,972,186	3,956,812	3,655,743	3,174,475	2,481,330	1,287,265	1,135,706	710,670	796,594	305,988			
12/31/2009	5,390,717	6,302,092	3,328,307	3,097,581	3,839,067	980,028	1,552,249	1,539,806	643,736				
12/31/2010	3,142,918	5,109,755	5,409,568	3,444,910	1,978,869	1,589,834	450,966	557,612					
12/31/2011	2,293,074	3,745,857	3,597,654	2,435,010	2,004,106	1,300,156	1,224,831						
12/31/2012	4,338,748	4,608,404	6,527,442	2,141,706	2,518,730	4,056,813							
12/31/2013	3,329,666	3,222,500	3,517,672	2,428,940	1,862,516								
12/31/2014	2,584,639	3,184,129	2,680,546	1,941,992									
12/31/2015	2,794,778	3,395,267	2,515,159										
12/31/2016	5,915,180	6,290,252											
12/31/2017	2,223,259												

	Incremental Percentages												
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.0268	0.0811	0.0958	0.0627	0.0889	0.0509	0.0526	0.0470	0.0694	0.0177	0.0233	-0.0167	0.0053
12/31/2000	0.0386	0.0834	0.1325	0.0934	0.1120	0.0869	0.0321	0.0213	0.0288	0.0155	0.0182	0.0124	0.0057
12/31/2001	0.0460	0.0741	0.1118	0.1125	0.0619	0.0848	0.0466	0.0425	-0.0260	0.0065	0.0155	0.0148	0.0174
12/31/2002	0.0711	0.1115	0.0711	0.0684	0.0439	0.0238	0.0729	-0.0268	0.0147	0.0200	0.0136	0.0111	0.0079
12/31/2003	0.0763	0.0923	0.1343	0.0675	0.0724	0.0631	0.0385	0.0441	0.0359	0.0286	0.0450	0.0071	0.0233
12/31/2004	0.0489	0.1177	0.1071	0.0998	0.0962	0.0633	0.0481	0.0564	0.0493	0.0323	0.0431	0.0120	0.0021
12/31/2005	0.0928	0.1270	0.0102	0.0515	0.0531	0.0949	0.0684	0.0453	0.0511	0.0477	0.0359	0.0453	0.0158
12/31/2006	0.0683	0.1048	0.0934	0.0649	0.0718	0.0373	0.0750	0.1062	0.0203	0.0270	0.0035	0.0068	
12/31/2007	0.0565	0.0625	0.0959	0.0781	0.0623	0.0405	0.0652	0.0330	0.0523	0.0336	0.0204		
12/31/2008	0.0766	0.1020	0.0943	0.0818	0.0640	0.0332	0.0293	0.0183	0.0205	0.0079			
12/31/2009	0.1301	0.1521	0.0803	0.0748	0.0926	0.0237	0.0375	0.0372	0.0155				
12/31/2010	0.0828	0.1346	0.1425	0.0908	0.0521	0.0419	0.0119	0.0147					
12/31/2011	0.0661	0.1080	0.1038	0.0702	0.0578	0.0375	0.0353						
12/31/2012	0.1106	0.1175	0.1664	0.0546	0.0642	0.1034							
12/31/2013	0.0907	0.0878	0.0958	0.0662	0.0507								
12/31/2014	0.0700	0.0863	0.0726	0.0526									
12/31/2015	0.0882	0.1072	0.0794										
12/31/2016	0.1364	0.1451											
12/31/2017	0.0525												

Best 3/5	0.0830	0.1042	0.0930	0.0637	0.0581	0.0375	0.0340	0.0295	0.0306	0.0310	0.0332	0.0101	0.0137
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PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	Link Ratios <u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1999	0.996	1.006	0.996	1.001	1.001	1.003	1.000 *
12/31/2000	0.997	1.012	1.000	0.999	1.000	1.000 *	1.000 *
12/31/2001	1.003	1.000	1.002	1.000	1.000 *	1.000 *	1.000 *
12/31/2002	1.008	1.002	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.002	0.996	1.002 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.008						
Best 3/5	1.004	1.003	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.008

	Cumulative Incremental Factors						
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.621	0.538	0.434	0.341	0.278	0.220	0.182
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.148	0.119	0.088	0.057	0.024	0.014	0.000

<u>A.Y.E</u>	Reported ALAE <u>as of 3/31/19</u>	\$500,000 <u>Ultimate Indemnity</u>	ALAE <u>Factor</u>	Additional <u>ALAE</u>	ALAE at <u>171 Months</u>	171-Ultimate <u>Factor</u>	Ultimate <u>ALAE</u>
12/31/2016	10,235,451	41,188,959	0.434	17,876,013	28,111,464	1.008	28,336,036
12/31/2017	5,241,533	40,156,636	0.538	21,604,285	26,845,818	1.008	27,060,311
12/31/2018	2,197,136	31,434,283	0.621	19,520,697	21,717,833	1.008	21,891,329

* Calculated Using Modified Bondy Method

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

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

Notes: All dollar amounts are displayed in thousands.

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

PRODUCTS TREND SUMMARY

(1)	<u>EXPOSURE TREND</u>	<u>PRODUCTS</u>	
	Average Annual Percent Change		
	a) 7/1/2016 to 7/1/2021 AYE 12/31/2016	+ 1.3%	
	b) 7/1/2017 to 7/1/2021 AYE 12/31/2017	+ 1.4%	
	c) 7/1/2018 to 7/1/2021 AYE 12/31/2018	+ 1.3%	
(2)	<u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>
	a) Fitted		
	All Years	+ 4.6%	+ 4.4%
	Eight Years	+ 3.7%	+ 4.8%
	Six Years	+ 3.0%	+ 5.1%
	b) Selected	+ 3.0%	+ 6.0%
(3)	<u>FREQUENCY TREND</u>		
	Selected	- 1.5%	

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

PRODUCTS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 12/31/2016, 12/31/2017 & 12/31/2018

(1)			(2)			(1)			(2)		
YEAR ENDING			PRODUCTS			YEAR ENDING			PRODUCTS		
<u>QUARTER*</u>			CLASS GROUP			<u>QUARTER*</u>			CLASS GROUP		
			SALES EXPOSURE						SALES EXPOSURE		
			<u>INDICES</u>						<u>INDICES</u>		
2008	1		0.962			2015	1		1.024		
	2		0.958				2		1.026		
	3		0.956				3		1.028		
	4		0.957				4		1.030		
2009	1		0.961			2016	1		1.030		
	2		0.966				2		1.031		
	3		0.969				3		1.030		
	4		0.968				4		1.030		
2010	1		0.964			2017	1		1.033		
	2		0.962				2		1.034		
	3		0.962				3		1.037		
	4		0.965				4		1.040		
2011	1		0.968			2018	1		1.043		
	2		0.973				2		1.048		
	3		0.978				3		1.052		
	4		0.982				4		1.056		
2012	1		0.986			2019	1		1.059		
	2		0.990				2		1.062		
	3		0.995				3P		1.064		
	4		1.000				4P		1.067		
2013	1		1.004			2020	1P		1.071		
	2		1.006				2P		1.074		
	3		1.008				3P		1.076		
	4		1.010				4P		1.079		
2014	1		1.012			2021	1P		1.082		
	2		1.016				2P		1.087		
	3		1.019				3P		1.093		
	4		1.022				4P		1.099		

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

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

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

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Paid <u>Occurrences</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2009	\$28,565,779	1,159	\$24,647	\$26,075		
12/31/2010	29,467,318	1,090	27,034	27,269		
12/31/2011	25,948,972	992	26,158	28,517	\$29,597	
12/31/2012	31,873,679	918	34,721	29,822	30,696	
12/31/2013	22,372,670	757	29,554	31,187	31,836	\$32,409
12/31/2014	21,688,425	603	35,968	32,615	33,018	33,374
12/31/2015	20,197,679	565	35,748	34,108	34,244	34,368
12/31/2016	19,211,222	540	35,576	35,669	35,515	35,391
12/31/2017	18,912,072	502	37,673	37,302	36,834	36,445
12/31/2018	13,390,360	379	35,331	39,010	38,202	37,530
Goodness of Fit Statistic, R-Squared:				0.739	0.519	0.424
Average Annual Severity Trend (10 yr)				+ 4.6%		
Average Annual Severity Trend (8 yr)				+ 3.7%		
Average Annual Severity Trend (6 yr)				+ 3.0%		
Selected Annual Severity Trend				+ 3.0%		

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

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

(See Section B - Explanation of Trend Calculation).

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

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2009	\$57,034,846	1,411	\$40,422	\$35,339		
12/31/2010	48,625,042	1,492	32,591	36,881		
12/31/2011	42,230,492	1,247	33,866	38,490	\$37,858	
12/31/2012	53,993,780	1,161	46,506	40,170	39,682	
12/31/2013	43,501,646	1,056	41,195	41,923	41,594	\$40,951
12/31/2014	40,342,493	958	42,111	43,752	43,598	43,057
12/31/2015	37,267,761	882	42,254	45,661	45,699	45,271
12/31/2016	49,417,322	897	55,092	47,654	47,901	47,599
12/31/2017	39,238,271	805	48,743	49,733	50,210	50,047
12/31/2018	37,259,846	733	50,832	51,903	52,629	52,620

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

Average Annual Severity Trend (10 yr) + 4.4%

Average Annual Severity Trend (8 yr) + 4.8%

Average Annual Severity Trend (6 yr) + 5.1%

Selected Annual Severity Trend + 6.0%

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

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

(See Section B - Explanation of Trend Calculation).

PRODUCTS

FREQUENCY TREND MULTISTATE

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

Bodily Injury and Property Damage Combined

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

Selected Annual Frequency Trend: - 1.5%

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

The following are definitions of the columns for the Products calculation of proposed loss costs shown on pages F-31-40.

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

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

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

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

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

K = The number of classes within the class group.

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

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

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

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

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

$\tilde{X}_{\text{monoline}}$ (X - tilde monoline) is weighted based on monoline/multiline ALCCL for the latest year only.

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

Change Factor = (Index) (Class Group Relative Change) (SWRL) (Off balance factor)
where "SWRL" is the selected multistate monoline loss cost level change.
The off balance factor of 1.001 results from capping.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 03

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .942 * 1.000

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
10140	306156	1111065	.92536	.1644	.944	1.047	.986	.021	.021	0.0	.021	.021
10141	470932	2159212	.84188	.2422	.922	1.022	.963	.024	.023	-4.2	.024	.023
12361	1881752	9659480	.86356	.5451	.902	1.000	.942	.082	.077	-6.1	.082	.077
12373	92941	687773	.73278	.1283	.920	1.020	.961	.025	.024	-4.0	.025	.024
13049	218217	1040155	1.30149	.1586	1.004	1.113	1.048	.054	.057	5.6	.054	.057
13111	36150	190726	.59825	.0817	.919	1.019	.960	.097	.093	-4.1	.097	.093
13112	1620094	7762805	.78649	.4939	.868	.962	.906	.069	.063	-8.7	.069	.063
13621	131893	1262520	.42455	.1767	.855	.948	.893	.360	.320	-11.1	.360	.320
13670	229038	1289863	1.99222	.1788	1.134	1.257	1.184	.013	.015	15.4	.013	.015
15223	921185	4548275	1.68246	.3748	1.223	1.356	1.277	.033	.041	24.2	.033	.041
15406	308594	1293542	1.46372	.1791	1.040	1.153	1.086	.044	.048	9.1	.044	.048
16604	614655	2968068	.95741	.2930	.950	1.053	.992	.147	.146	-0.7	.147	.146
51300	6740	35928	.00000	.0662	.885	.981	.924	.173	.160	-7.5	.173	.160
51305	488	43041	.13287	.0669	.893	.990	.933	1.030	.960	-6.8	1.030	.960
51315	789468	3808612	.96281	.3390	.953	1.057	.996	.106	.106	0.0	.106	.106
51350	185978	920336	.67701	.1486	.907	1.006	.948	.142	.135	-4.9	.142	.135
51351	24365	90838	.30397	.0718	.901	.999	.941	.045	.042	-6.7	.045	.042
51352	116409	474969	.57460	.1090	.907	1.006	.948	.114	.108	-5.3	.114	.108
51355	155037	833906	.90492	.1412	.942	1.044	.983	.096	.094	-2.1	.096	.094
51356	87707	290815	.03097	.0915	.864	.958	.902	.690	.620	-10.1	.690	.620
51357	3485	15681	6.66864	.0641	1.314	1.457	1.372	.530	.660	24.5	.530	.660
51358	19910	71592	.37420	.0698	.908	1.007	.949	.149	.141	-5.4	.149	.141
51359	95596	283695	.29166	.0908	.888	.984	.927	.840	.780	-7.1	.840	.780
51752	613978	3011314	1.09820	.2955	.992	1.100	1.036	.159	.165	3.8	.159	.165
52002	1298303	6645564	1.16569	.4580	1.047	1.161	1.094	.118	.129	9.3	.118	.129
53001	977109	5445556	.94025	.4133	.945	1.048	.987	.330	.330	0.0	.330	.330
53374	5883044	26908599	.73819	.7630	.788	.874	.823	.380	.310	-18.4	.380	.310
53375	1778485	9051461	.77300	.5298	.855	.948	.893	.250	.223	-10.8	.250	.223
53376	416486	1951271	1.14739	.2279	.993	1.101	1.037	.187	.194	3.7	.187	.194
53377	2130376	10248713	.83187	.5589	.883	.979	.922	.211	.195	-7.6	.211	.195
53565	211770	832438	.11386	.1410	.830	.920	.867	.124	.108	-12.9	.124	.108
55371	14588	83605	.00000	.0710	.880	.976	.919	.130	.119	-8.5	.130	.119
56488	65138	215555	.96785	.0842	.949	1.052	.991	.034	.034	0.0	.034	.034
56758	112975	458859	.63105	.1075	.913	1.012	.953	.155	.148	-4.5	.155	.148
56759	848416	3480501	.57039	.3217	.826	.916	.863	.093	.080	-14.0	.093	.080
56760	1530880	7124840	.81444	.4740	.884	.980	.923	.106	.098	-7.5	.106	.098
57002	193613	840602	.78317	.1417	.924	1.024	.965	.110	.106	-3.6	.110	.106

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 03

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .942 * 1.000

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
57651	140753	728840	.74736	.1320	.921	1.021	.962	.043	.041	-4.7	.043	.041
57913	594422	2567286	.72143	.2687	.887	.983	.926	.310	.290	-6.5	.310	.290
59537	210333	862698	2.95502	.1436	1.236	1.370	1.291	.168	.210	25.0	.168	.210 U
59647	45216	224265	.70249	.0850	.927	1.028	.968	.176	.170	-3.4	.176	.170
59904	6549	37542	.00000	.0663	.885	.981	.924	.066	.061	-7.6	.066	.061
59905	137598	570781	1.17306	.1178	.974	1.080	1.017	.130	.132	1.5	.130	.132
59925	1250	5251	2.51362	.0630	1.046	1.160	1.093	1.090	1.190	9.2	1.090	1.190
59926	260506	1148304	1.35239	.1675	1.015	1.125	1.060	.420	.450	7.1	.420	.450
59927	168553	429683	.22217	.1047	.872	.967	.911	1.560	1.420	-9.0	1.560	1.420
59963	50513	155335	.05700	.0782	.878	.973	.917	.450	.410	-8.9	.450	.410
59964	169588	850337	1.93491	.1426	1.088	1.206	1.136	.061	.069	13.1	.061	.069

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

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

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
10010	129803	644093	1.23203	.1273	1.094	1.013	1.058	.184	.195	6.0	.184	.195
10040	742489	4043356	1.18404	.3224	1.109	1.027	1.072	.280	.300	7.1	.280	.300
10070	1611598	8963972	1.19639	.4880	1.133	1.049	1.095	.141	.154	9.2	.141	.154
10101	329349	1687342	1.34162	.1981	1.127	1.044	1.090	.166	.181	9.0	.166	.181
10111	184837	842580	.38108	.1417	.975	.903	.943	.083	.078	-6.0	.083	.078
10255	2341872	10785181	1.23909	.5305	1.161	1.075	1.122	.131	.147	12.2	.131	.147
10256	11008	55413	.99045	.0815	1.067	.988	1.031	.147	.152	3.4	.147	.152
10257	3033512	12895158	1.02241	.5717	1.044	.967	1.010	.167	.169	1.2	.167	.169
11126	144902	715703	1.42449	.1325	1.120	1.037	1.083	.020	.022	10.0	.020	.022
11203	8874	36762	.00000	.0800	.988	.915	.955	.540	.520	-3.7	.540	.520
11248	9911	50307	.00000	.0811	.986	.913	.953	.019	.018	-5.3	.019	.018
12391	1597669	7534975	.74912	.4489	.928	.859	.897	.091	.082	-9.9	.091	.082
12509	43795	209831	.04034	.0940	.976	.904	.944	.038	.036	-5.3	.038	.036
12651	579219	2767112	1.25361	.2603	1.120	1.037	1.083	.490	.530	8.2	.490	.530
12707	294500	1017929	.70205	.1541	1.016	.941	.982	.650	.640	-1.5	.650	.640
12797	1016214	4684545	1.43674	.3498	1.201	1.112	1.161	.169	.196	16.0	.169	.196
13201	32046	103961	.12846	.0854	.993	.919	.959	.167	.160	-4.2	.167	.160
13204	1134469	6535576	1.06460	.4178	1.070	.991	1.035	1.400	1.450	3.6	1.400	1.450
13205	305694	1463843	1.19784	.1839	1.096	1.015	1.060	.430	.460	7.0	.430	.460
13314	119	482	.00000	.0770	.991	.918	.958	.017	.016	-5.9	.017	.016
13410	2862718	14790089	1.39678	.6030	1.268	1.174	1.226	2.440	2.990	22.5	2.440	2.990
13412	586455	3501588	1.38543	.2973	1.166	1.080	1.128	1.010	1.140	12.9	1.010	1.140
13590	3911061	17277202	1.00651	.6377	1.031	.955	.997	.740	.740	0.0	.740	.740
13715	1711513	8536428	1.15083	.4769	1.110	1.028	1.073	.154	.165	7.1	.154	.165
13930	1120922	4936834	.82400	.3600	.984	.911	.951	.211	.201	-4.7	.211	.201
14068	6739	39460	.00000	.0802	.987	.914	.954	.015	.014	-6.7	.015	.014
14527	342227	1644340	1.10932	.1954	1.080	1.000	1.044	.181	.189	4.4	.181	.189
14855	15400	120453	.05639	.0868	.985	.912	.952	.162	.154	-4.9	.162	.154
16005	356543	1752474	.95351	.2022	1.049	.971	1.014	.034	.034	0.0	.034	.034
16009	33022	156321	2.86933	.0897	1.235	1.144	1.194	.079	.094	19.0	.079	.094
16527	4913152	22173136	.98667	.6909	1.013	.938	.979	.360	.350	-2.8	.360	.350
16705	234200	875965	.59749	.1441	1.005	.931	.972	.152	.148	-2.6	.152	.148
16750	436085	1821197	1.00629	.2064	1.060	.981	1.024	.031	.032	3.2	.031	.032
18205	409843	2023613	1.50814	.2186	1.168	1.081	1.129	.310	.350	12.9	.310	.350
18616	2640988	11002187	1.18986	.5351	1.136	1.052	1.098	.540	.590	9.3	.540	.590
18707	11908	56794	4.84250	.0816	1.381	1.279	1.335	.003	.004	33.3	.003	.004
45771	152655	638426	.19541	.1269	.962	.891	.930	.176	.164	-6.8	.176	.164

N

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

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

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

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
45901	321294	1748523	1.14006	.2019	1.087	1.006	1.050	.047	.049	4.3	.047	.049
53907	1630456	6831241	.80957	.4273	.961	.890	.929	.111	.103	-7.2	.111	.103

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

TAU SQUARED: .03000 SIGMA SQUARED: 334909.49915

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 05

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.013 * 1.000

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
51380	2201	7084	.36674	.1510	.937	.877	.888	.050	.044	-12.0	.050	.044
51575	175662	989822	1.15409	.2687	1.069	1.001	1.014	.020	.020	0.0	.020	.020
51576	186213	755247	2.54079	.2437	1.404	1.315	1.332	.075	.093	24.0	.075	.093 U
51613	68459	403672	1.15534	.2028	1.062	.994	1.007	.138	.139	0.7	.138	.139
51666	43426	223395	1.03486	.1800	1.037	.971	.984	.103	.101	-1.9	.103	.101
51767	1146	6452	.00000	.1509	.881	.825	.836	.009	.008	-11.1	.009	.008
51833	2645	7923	.00000	.1511	.881	.825	.836	.072	.060	-16.7	.072	.060
51869	135945	579644	.97474	.2238	1.024	.959	.971	.140	.136	-2.9	.140	.136
51889	878	4569	.00000	.1506	.882	.826	.837	.014	.012	-14.3	.014	.012
51941	1593933	7800887	1.15004	.6271	1.108	1.037	1.050	.039	.041	5.1	.039	.041
52469	2669525	11999188	.99444	.7136	1.007	.943	.955	.109	.104	-4.6	.109	.104
55647	357888	1666778	1.42499	.3325	1.167	1.093	1.107	.056	.062	10.7	.056	.062
55802	21960	104274	1.32333	.1643	1.085	1.016	1.029	.009	.009	0.0	.009	.009
56040	655	3397	.00000	.1505	.882	.826	.837	.040	.033	-17.5	.040	.033
57257	30650	123442	.94573	.1669	1.023	.958	.970	.036	.035	-2.8	.036	.035
57410	22477	110804	2.86057	.1652	1.339	1.254	1.270	.130	.162	24.6	.130	.162 U
58503	28809	106947	2.80489	.1647	1.329	1.244	1.260	.061	.076	24.6	.061	.076 U
58627	1837	10682	.00000	.1515	.881	.825	.836	.016	.013	-18.8	.016	.013
59257	179	2034	.00000	.1503	.882	.826	.837	.015	.013	-13.3	.015	.013
59923	393	12881	.00000	.1518	.880	.824	.835	.005	.004	-20.0	.005	.004

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

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

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
15733	6663	40088	.03911	.0324	1.010	.985	.981	.038	.037	-2.6	.038	.037
51001	4483	6936	.00000	.0272	1.014	.989	.985	.460	.450	-2.2	.460	.450
51116	631631	2987528	1.61692	.3449	1.240	1.210	1.205	.570	.690	21.1	.570	.690
51240	60289	252885	1.11128	.0646	1.047	1.021	1.017	.182	.185	1.6	.182	.185
51241	398561	1890233	.49436	.2554	.902	.880	.876	.300	.260	-13.3	.300	.260
51330	159165	745756	5.70138	.1316	1.655	1.615	1.609	.430	.530	23.3	.430	.530
51370	188610	485122	.00000	.0974	.941	.918	.914	5.000	4.570	-8.6	5.000	4.570
51500	322150	1583578	1.42369	.2258	1.128	1.100	1.096	.109	.119	9.2	.109	.119
51550	14084	60235	3.33844	.0356	1.124	1.097	1.093	.360	.390	8.3	.360	.390
51551	2445	47958	.29987	.0336	1.017	.992	.988	.920	.910	-1.1	.920	.910
51552	2585	21460	.53015	.0295	1.027	1.002	.998	.159	.159	0.0	.159	.159
51600	136764	648012	.60877	.1191	.991	.967	.963	.198	.191	-3.5	.198	.191
51734	25104	53542	.94167	.0345	1.039	1.014	1.010	.310	.310	0.0	.310	.310
51741	128078	670814	1.33913	.1220	1.078	1.052	1.048	.250	.260	4.0	.250	.260
51777	130678	641491	1.10594	.1182	1.050	1.024	1.020	.076	.078	2.6	.076	.078
51808	140245	710467	.90283	.1271	1.025	1.000	.996	.730	.730	0.0	.730	.730
51809	52120	115157	.00000	.0440	.996	.972	.968	.158	.153	-3.2	.158	.153
51877	98271	383929	.44984	.0834	.993	.969	.965	.220	.212	-3.6	.220	.212
51896	688935	3441683	.74265	.3760	.930	.907	.903	.020	.018	-10.0	.020	.018
51900	12030	56422	1.19533	.0350	1.048	1.022	1.018	.093	.095	2.2	.093	.095
51909	0	759	.00000	.0262	1.015	.990	.986	.057	.056	-1.8	.057	.056
51926	242825	1237425	.70721	.1895	.979	.955	.951	.040	.038	-5.0	.040	.038
51927	331655	1741014	1.57827	.2413	1.172	1.143	1.138	.115	.131	13.9	.115	.131
51934	169043	764549	.01838	.1340	.905	.883	.879	.142	.125	-12.0	.142	.125
51956	1633547	7764567	.83444	.5700	.924	.901	.897	.246	.221	-10.2	.246	.221
51957	1197338	6083901	1.13548	.5109	1.090	1.063	1.059	.400	.420	5.0	.400	.420
51960	4183	33896	.00000	.0314	1.010	.985	.981	.360	.350	-2.8	.360	.350
51982	8268	56927	.00000	.0350	1.006	.981	.977	.085	.083	-2.4	.085	.083
51986	38465	249898	.20058	.0642	.988	.964	.960	.107	.103	-3.7	.107	.103
51999	135849	722703	.66516	.1287	.994	.970	.966	.460	.440	-4.3	.460	.440
52075	47273	225850	.33691	.0607	.999	.975	.971	.250	.243	-2.8	.250	.243
52134	2335007	11333471	.85571	.6579	.920	.898	.894	.700	.630	-10.0	.700	.630
52315	434286	2071142	1.38224	.2718	1.135	1.107	1.103	.240	.260	8.3	.240	.260
52505	55795	240014	1.88247	.0627	1.095	1.068	1.064	.203	.216	6.4	.203	.216
52547	233537	1205580	.32449	.1860	.909	.887	.883	.088	.078	-11.4	.088	.078
52911	958327	4559605	.68681	.4412	.885	.863	.860	.520	.450	-13.5	.520	.450
52967	29487	130562	.06542	.0464	.997	.973	.969	.064	.062	-3.1	.064	.062

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

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
53121	87258	248469	.11687	.0640	.983	.959	.955	.460	.440	-4.3	.460	.440
53333	57838	299221	2.59564	.0714	1.153	1.125	1.120	.213	.239	12.2	.213	.239
53631	383	1379	.00000	.0263	1.015	.990	.986	.022	.022	0.0	.022	.022
53632	518	6093	.00000	.0271	1.014	.989	.985	.035	.034	-2.9	.035	.034
53732	1319467	6635174	.99183	.5320	1.015	.990	.986	.460	.450	-2.2	.460	.450
53733	4793737	19427350	1.06817	.7662	1.062	1.036	1.032	.260	.270	3.8	.260	.270
54077	687079	3279799	1.23565	.3653	1.113	1.086	1.082	.370	.400	8.1	.370	.400
55010	82064	435324	.68484	.0906	1.010	.985	.981	1.100	1.080	-1.8	1.100	1.080
55011	298257	1514717	2.68411	.2189	1.402	1.368	1.363	1.260	1.570	24.6	1.260	1.570
55012	71692	215705	1.02138	.0592	1.041	1.016	1.012	1.170	1.180	0.9	1.170	1.180
55013	375449	1518864	1.68836	.2193	1.184	1.155	1.150	.990	1.140	15.2	.990	1.140
55214	1009	5164	.00000	.0269	1.014	.989	.985	.089	.088	-1.1	.089	.088
55715	53324	173618	.00000	.0529	.987	.963	.959	.234	.224	-4.3	.234	.224
55716	27033	149769	.79450	.0493	1.030	1.005	1.001	.520	.520	0.0	.520	.520
56202	110865	1238910	.38459	.1897	.918	.896	.892	.100	.089	-11.0	.100	.089
56390	403356	1046610	1.00915	.1680	1.037	1.012	1.008	.630	.640	1.6	.630	.640
56391	683816	3900760	1.01966	.4045	1.033	1.008	1.004	.320	.320	0.0	.320	.320
56427	14982	79686	.65009	.0386	1.027	1.002	.998	.125	.125	0.0	.125	.125
56690	3673	12222	.00000	.0280	1.013	.988	.984	.360	.350	-2.8	.360	.350
56699	231345	837912	1.75053	.1431	1.144	1.116	1.112	.051	.057	11.8	.051	.057
56916	685470	3047907	1.28192	.3492	1.126	1.099	1.095	.187	.205	9.6	.187	.205
57090	101480	541374	1.36971	.1050	1.077	1.051	1.047	.630	.660	4.8	.630	.660
57401	9168	40307	.00000	.0324	1.008	.983	.979	.098	.096	-2.0	.098	.096
57403	585	3306	.00000	.0266	1.015	.990	.986	.036	.035	-2.8	.036	.035
57572	92065	345100	2.91906	.0779	1.188	1.159	1.154	.094	.108	14.9	.094	.108
57600	49324	206783	1.23641	.0578	1.053	1.027	1.023	.033	.034	3.0	.033	.034
57611	74170	241609	.43741	.0630	1.004	.980	.976	.064	.062	-3.1	.064	.062
57690	271160	1194145	.71597	.1847	.982	.958	.954	.510	.490	-3.9	.510	.490
57716	224806	1223662	.68365	.1880	.975	.951	.947	.087	.082	-5.7	.087	.082
57725	935181	3762730	.92298	.3962	.995	.971	.967	.091	.088	-3.3	.091	.088
57726	59619	263802	2.49240	.0662	1.138	1.110	1.106	.019	.021	10.5	.019	.021
57810	5491	22947	.00000	.0297	1.011	.986	.982	.109	.107	-1.8	.109	.107
57871	89627	261746	1.13335	.0659	1.048	1.022	1.018	.116	.118	1.7	.116	.118
57998	26769	128537	.19009	.0461	1.003	.979	.975	.059	.058	-1.7	.059	.058
57999	5172	30645	.85140	.0309	1.036	1.011	1.007	.071	.071	0.0	.071	.071
58095	1525188	7274265	1.18509	.5543	1.121	1.094	1.090	1.830	1.990	8.7	1.830	1.990
58096	1062759	6138089	1.37607	.5131	1.214	1.184	1.179	1.040	1.230	18.3	1.040	1.230

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

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

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
58301	77103	247755	2.09027	.0639	1.109	1.082	1.078	.082	.088	7.3	.082	.088
58302	44551	232484	.76868	.0616	1.025	1.000	.996	.055	.055	0.0	.055	.055
58397	1440834	5633085	.78100	.4922	.914	.892	.888	.830	.740	-10.8	.830	.740
58575	26172	92765	.00000	.0406	1.000	.976	.972	.123	.120	-2.4	.123	.120
58663	1463116	6273340	.55383	.5184	.789	.770	.767	1.590	1.280	-19.5	1.590	1.280
58802	28363	182262	2.20058	.0542	1.105	1.078	1.074	.450	.480	6.7	.450	.480
58837	7600	41749	.00000	.0327	1.008	.983	.979	.165	.162	-1.8	.165	.162
58840	3886	13420	5.80112	.0282	1.176	1.147	1.142	.111	.127	14.4	.111	.127
58873	237631	1009427	.93769	.1636	1.025	1.000	.996	.030	.030	0.0	.030	.030
58904	11786	57446	.00000	.0351	1.006	.981	.977	.131	.128	-2.3	.131	.128
58922	1192474	5490688	.80316	.4860	.926	.903	.899	.187	.168	-10.2	.187	.168
59005	171273	854165	.91947	.1451	1.024	.999	.995	.096	.096	0.0	.096	.096
59188	321	972	.00000	.0262	1.015	.990	.986	.056	.055	-1.8	.056	.055
59189	4360	15413	.00000	.0285	1.013	.988	.984	.300	.300	0.0	.300	.300
59223	120370	601825	2.27852	.1131	1.182	1.153	1.148	.077	.088	14.3	.077	.088
59378	0	52	.00000	.0261	1.015	.990	.986	.152	.150	-1.3	.152	.150
59481	83569	354019	2.54948	.0792	1.162	1.134	1.129	.088	.099	12.5	.088	.099
59701	3659	53399	6.47937	.0345	1.230	1.200	1.195	.244	.290	18.9	.244	.290
59713	326896	1504045	.76038	.2178	.981	.957	.953	.330	.310	-6.1	.330	.310
59722	58084	277751	.46562	.0683	1.003	.979	.975	.032	.031	-3.1	.032	.031
59723	13603	98150	.00000	.0414	.999	.975	.971	.038	.037	-2.6	.038	.037
59726	96958	688208	1.08508	.1243	1.048	1.022	1.018	.024	.024	0.0	.024	.024
59738	9774	58404	.00000	.0353	1.005	.980	.976	.066	.064	-3.0	.066	.064
59773	1	232	.00000	.0261	1.015	.990	.986	.028	.028	0.0	.028	.028
59774	903	1719	.00000	.0264	1.015	.990	.986	.152	.150	-1.3	.152	.150
59775	0	0	.00000	.0000	.000	.000	.000	.189	.188	-0.5	.189	.188
59798	686293	3182185	1.22730	.3586	1.109	1.082	1.078	.460	.500	8.7	.460	.500
59886	19174	116421	.00000	.0442	.996	.972	.968	.112	.108	-3.6	.112	.108
59889	11249	77718	2.83138	.0383	1.111	1.084	1.080	.153	.165	7.8	.153	.165
59914	754179	3575524	1.25843	.3846	1.125	1.098	1.094	.620	.680	9.7	.620	.680
59915	166847	580536	.60667	.1102	.994	.970	.966	.780	.750	-3.8	.780	.750
59917	65053	345965	4.03154	.0781	1.276	1.245	1.240	.165	.205	24.2	.165	.205
59931	157624	727687	.39466	.1293	.959	.936	.932	.590	.550	-6.8	.590	.550
59932	55156	269839	.00000	.0671	.972	.948	.944	.930	.880	-5.4	.930	.880
59947	14211	100306	.00000	.0417	.999	.975	.971	.330	.320	-3.0	.330	.320
59955	16698	92312	.00000	.0405	1.000	.976	.972	.147	.143	-2.7	.147	.143
59970	19173	100498	.87050	.0418	1.035	1.010	1.006	.182	.183	0.5	.182	.183

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

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
59975	688472	3064097	.81139	.3504	.961	.938	.934	.243	.227	-6.6	.243	.227
59984	26363	123926	.00000	.0454	.995	.971	.967	.055	.053	-3.6	.055	.053
59988	606	5353	.00000	.0269	1.014	.989	.985	.060	.059	-1.7	.060	.059
59989	0	7	.00000	.0261	1.015	.990	.986	.045	.044	-2.2	.045	.044

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

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 U - CAPPED UP
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 07

NUMBER OF YEARS OF DATA USED: 5

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

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
49239	68346	412471	.68425	.1332	.901	.916	.919	.650	.600	-7.7	.650	.600
50010	42105	213949	.04838	.1160	.831	.845	.848	.580	.490	-15.5	.580	.490
51205	3266	8167	.00000	.0975	.843	.857	.860	.083	.071	-14.5	.083	.071
51206	4568	29611	.00000	.0995	.841	.855	.858	.450	.390	-13.3	.450	.390
51220	107472	451136	.44385	.1365	.867	.881	.884	2.580	2.280	-11.6	2.580	2.280
51221	616280	2662714	.80705	.2895	.897	.912	.915	1.940	1.780	-8.2	1.940	1.780
51222	106289	971222	2.16583	.1781	1.153	1.172	1.176	3.120	3.670	17.6	3.120	3.670
51224	680612	3312985	1.34645	.3247	1.068	1.085	1.088	1.330	1.450	9.0	1.330	1.450
51230	0	0	.00000	.0000	.000	.000	.000	.790	.790	0.0	.790	.790
51252	1933540	8579189	1.01074	.5180	.974	.990	.993	.101	.100	-1.0	.101	.100
51254	6288	18336	.00000	.0985	.842	.856	.859	.045	.039	-13.3	.045	.039
51333	177428	409127	1.88783	.1329	1.061	1.078	1.081	.310	.340	9.7	.310	.340
51958	282950	1375872	1.38392	.2078	1.027	1.044	1.047	.390	.410	5.1	.390	.410
51970	779460	3633163	.93386	.3407	.934	.949	.952	.250	.238	-4.8	.250	.238
52433	147816	400368	.17212	.1322	.833	.847	.850	1.200	1.020	-15.0	1.200	1.020
52581	34747	1209284	.11380	.1958	.773	.786	.788	3.680	2.950	-19.8	3.680	2.950
52744	10165	11526	.00000	.0978	.843	.857	.860	.094	.081	-13.8	.094	.081
53077	134389	640514	1.55702	.1521	1.029	1.046	1.049	.197	.207	5.1	.197	.207
55597	0	0	.00000	.0000	.000	.000	.000	1.780	1.790	0.6	1.780	1.790
55918	108	7338	.00000	.0974	.843	.857	.860	3.190	2.740	-14.1	3.190	2.740
55919	0	0	.00000	.0000	.000	.000	.000	3.640	3.650	0.3	3.640	3.650
56912	877737	4076544	1.27343	.3618	1.057	1.074	1.077	.084	.090	7.1	.084	.090
57146	392492	1595496	1.44372	.2230	1.048	1.065	1.068	.670	.720	7.5	.670	.720
58737	30405	140966	.00000	.1096	.832	.846	.849	.740	.630	-14.9	.740	.630
59601	177159	490034	1.44222	.1397	1.005	1.021	1.024	2.310	2.370	2.6	2.310	2.370
59660	488381	2466144	1.23156	.2781	1.017	1.034	1.037	1.140	1.180	3.5	1.140	1.180
59724	37681	121778	.00831	.1078	.834	.848	.851	.022	.019	-13.6	.022	.019
59725	426137	2153255	1.56260	.2592	1.097	1.115	1.118	.104	.116	11.5	.104	.116
59750	7845	38547	.68802	.1003	.909	.924	.927	.240	.222	-7.5	.240	.222
59781	491766	2486418	.71799	.2793	.874	.888	.891	.076	.068	-10.5	.076	.068
59782	391006	1658601	.86861	.2273	.919	.934	.937	.490	.460	-6.1	.490	.460

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

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

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

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	EXPOSURE TREND#	AVERAGE IPMF*	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	12/31/2016	\$79,765,836	1.000	1.128		\$89,975,863
	12/31/2017	86,242,410	1.000	1.098		94,694,166
	12/31/2018	91,557,720	1.022	1.062		99,373,453
MULTILINE	12/31/2016	\$175,268,307	1.000	1.130	0.986	\$195,280,442
	12/31/2017	186,780,992	1.000	1.099	0.989	203,014,315
	12/31/2018	191,601,140	1.022	1.062	0.991	206,085,367
TOTAL	12/31/2016					\$285,256,305
	12/31/2017					297,708,481
	12/31/2018					305,458,820

+ The derivation of the exposure development factors are shown in Section G - Calculation of Exposure Development Factors.

Aggregate loss costs at current level have been trended from an average date of coverage to one year beyond an assumed effective date of 7/1/2020 by an exponential projection of the average annual exposure trend factor. The derivation of this exposure trend factor is shown in Section G - Average Annual Exposure Trends.

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

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

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

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

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.
The indemnity development factors shown are weighted averages over all states and all Local Products/Completed Operations class groups.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BAISC LIMIT LOSSES AND ALAE*	X	BASIC LIMIT DEVELOPMENT FACTOR#	X	UNALLOCATED LOSS ADJ. FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$3,683,706		1.282		1.085		1.217		0.975		\$6,077,763
		12/31/2017	2,832,806		1.494		1.085		1.170		0.980		5,264,394
		12/31/2018	1,215,820		2.394		1.085		1.125		0.985		3,498,862
BI	ALAE	12/31/2016	\$4,548,501				1.085		1.217		0.975		\$5,855,894
		12/31/2017	4,757,503				1.085		1.170		0.980		5,918,624
		12/31/2018	3,499,316				1.085		1.125		0.985		4,207,282
PD	B/L INDEMNITY	12/31/2016	\$18,540,702		1.402		1.085		1.246		0.975		\$34,268,408
		12/31/2017	15,115,878		1.523		1.085		1.193		0.980		29,195,459
		12/31/2018	13,579,471		1.808		1.085		1.141		0.985		29,946,729
PD	ALAE	12/31/2016	\$26,360,846				1.085		1.246		0.975		\$34,746,554
		12/31/2017	20,154,871				1.085		1.193		0.980		25,566,794
		12/31/2018	20,271,246				1.085		1.141		0.985		24,719,066
	TOTAL DED COVERAGE	12/31/2016											\$80,948,619
		12/31/2017											65,945,272
		12/31/2018											62,371,939
	TOTAL OCCURRENCE	12/31/2016											\$337,794,306
		12/31/2017											323,082,763
		12/31/2018											332,169,074

* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.
The indemnity development factors shown are weighted averages over all states and all Local Products/Completed Operations class groups.

UTAH

Local Products/Completed Operations
Subline Code 336
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Not Applicable	--
32	Not Applicable	--
33	Not Applicable	--
34	Mercantile Policy	1.077
35	Not Applicable	--
36	Service Policy	0.944
37	Industrial/Processing Policy	0.822
38	Contractors Policy	1.012

(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.

UTAH

LOCAL PRODUCTS/COMPLETED OPERATIONS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.022	1.020	0.7988	1.020	5,000,000
27 to 39 Months	1.000	0.999	0.5683	0.999	15,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2016			1.000		1.000
12/31/2017		0.999	1.000		0.999
12/31/2018	1.020	0.999	1.000		1.019

(a) See Section G - Multistate Premium Development.

(b) See Section G - Statewide Premium Development.

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

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

UTAH
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
12/31/2011	4,511,195	4,588,050	4,580,366	4,580,366	4,580,366	4,580,366	4,580,366	4,580,366
12/31/2012	5,038,452	5,116,024	5,113,458	5,113,427	5,115,397	5,115,397	5,115,397	
12/31/2013	5,870,410	5,969,924	5,963,938	5,961,457	5,968,981	5,968,981		
12/31/2014	6,553,436	6,590,989	6,595,953	6,604,093	6,604,143			
12/31/2015	6,234,649	6,340,159	6,338,509	6,338,853				
12/31/2016	6,585,304	6,814,501	6,808,760					
12/31/2017	7,034,771	7,208,077						
12/31/2018	7,397,838							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2011	1.017	0.998	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.015	0.999	1.000	1.000	1.000	1.000	
12/31/2013	1.017	0.999	1.000	1.001	1.000		
12/31/2014	1.006	1.001	1.001	1.000			
12/31/2015	1.017	1.000	1.000				
12/31/2016	1.035	0.999					
12/31/2017	1.025						
12/31/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.020	0.999

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2011	402,939,396	411,400,813	411,106,492	411,069,882	411,039,584	411,052,309	411,052,224	411,052,914
12/31/2012	440,752,735	450,346,818	450,323,727	450,018,512	450,048,049	450,046,154	450,027,591	
12/31/2013	498,518,668	509,510,229	508,843,480	508,797,707	508,829,793	508,799,691		
12/31/2014	550,938,805	564,476,906	564,049,349	564,153,593	564,138,889			
12/31/2015	584,590,720	597,187,349	596,932,950	596,982,581				
12/31/2016	610,932,211	624,043,373	624,287,580					
12/31/2017	631,529,680	641,677,183						
12/31/2018	649,512,149							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2011	1.021	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.022	1.000	0.999	1.000	1.000	1.000	
12/31/2013	1.022	0.999	1.000	1.000	1.000		
12/31/2014	1.025	0.999	1.000	1.000			
12/31/2015	1.022	1.000	1.000				
12/31/2016	1.021	1.000					
12/31/2017	1.016						
12/31/2018							

Average Best 3 of 5

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

LOCAL PRODUCTS/COMPLETED OPERATIONS LOSS DEVELOPMENT DATA
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UTAH

Completed Operations
Bodily Injury
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.960	2.018	0.2852	1.977	360,000
27 to 39 Months	1.486	1.529	0.3830	1.502	380,000
39 to 51 Months	1.091	0.737	0.3747	0.958	410,000
51 to 63 Months	1.009	0.955	0.1900	0.999	430,000
63 to 75 Months	1.002	1.000	0.2399	1.002	470,000
75 to 87 Months	0.983	1.000	0.4406	0.990	500,000
87 to 99 Months	0.990	1.000	0.3746	0.994	540,000
99 to 111 Months	0.997	1.000	0.4320	0.998	570,000
111 to 123 Months	0.992	1.000	0.3641	0.995	610,000
123 to 135 Months	1.001	1.000	0.4005	1.001	660,000
135 to 147 Months	1.002	1.000	0.2977	1.001	710,000
147 to 159 Months	1.001	1.000	0.2811	1.001	760,000
159 to 171 Months	1.001	1.000	0.2512	1.001	820,000
171 to 183 Months	1.002	1.000	0.1909	1.002	880,000
183 to 195 Months	1.000	1.000	0.0984	1.000	950,000
195 to 207 Months	1.000	1.000	0.0052	1.000	1,000,000
207 to 219 Months	1.000	1.000	0.1334	1.000	1,100,000
219 to 231 Months	1.000	1.000	0.1233	1.000	1,200,000
231 to 243 Months	1.000	1.000	0.1136	1.000	1,300,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			0.958	0.999	1.002	0.990	0.994	0.998	0.995	1.001	1.001
12/31/2017		1.502	0.958	0.999	1.002	0.990	0.994	0.998	0.995	1.001	1.001
12/31/2018	1.977	1.502	0.958	0.999	1.002	0.990	0.994	0.998	0.995	1.001	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2016	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000		0.943
12/31/2017	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000		1.416
12/31/2018	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000		2.799

(A) See Section G - Multistate Loss Development.

(B) See Section G - Statewide Loss Development.

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

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

UTAH

Completed Operations
Bodily Injury
Full Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.0604
27 to 39 Months	0.1264
39 to 51 Months	0.1138
51 to 63 Months	0.0832
63 to 75 Months	0.0471
75 to 87 Months	0.0277
87 to 99 Months	0.0098
99 to 111 Months	0.0117
111 to 123 Months	0.0078
123 to 135 Months	0.0027
135 to 147 Months	0.0054
147 to 159 Months	0.0055
159 to 171 Months	0.0031
171 to Ultimate	A multistate link ratio factor of 1.012 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.505	0.444	0.318	0.204	0.121	0.074	0.046
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.036	0.024	0.017	0.014	0.009	0.003	0.000

A.Y.E	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2016	109,280	579,013	0.318	184,126	293,406	1.012	296,923
12/31/2017	59,997	406,819	0.444	180,628	240,625	1.012	243,511
12/31/2018	3,479	1,314,586	0.505	663,866	667,345	1.012	675,351

(A) See Section G - Multistate Loss Development.

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

UTAH

Completed Operations
Property Damage
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.185	0.885	0.6600	0.987	1,100,000
27 to 39 Months	1.095	1.087	0.6394	1.090	1,200,000
39 to 51 Months	1.046	0.949	0.6041	0.987	1,200,000
51 to 63 Months	1.037	1.122	0.5762	1.086	1,300,000
63 to 75 Months	1.032	1.055	0.5686	1.045	1,400,000
75 to 87 Months	1.028	1.006	0.6179	1.014	1,500,000
87 to 99 Months	1.028	1.011	0.5933	1.018	1,600,000
99 to 111 Months	1.042	0.949	0.5886	0.987	1,700,000
111 to 123 Months	1.016	1.062	0.5111	1.040	1,800,000
123 to 135 Months	1.027	0.936	0.4985	0.982	2,000,000
135 to 147 Months	1.012	1.001	0.3260	1.008	2,100,000
147 to 159 Months	1.009	1.000	0.3168	1.006	2,300,000
159 to 171 Months	1.005	1.000	0.1527	1.004	2,400,000
171 to 183 Months	1.004	1.000	0.1421	1.003	2,600,000
183 to 195 Months	1.002	1.000	0.0997	1.002	2,800,000
195 to 207 Months	1.002	1.000	0.1648	1.002	3,000,000
207 to 219 Months	1.002	1.000	0.1615	1.002	3,200,000
219 to 231 Months	1.002	1.000	0.1425	1.002	3,400,000
231 to 243 Months	1.002	1.000	0.0548	1.002	3,700,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			0.987	1.086	1.045	1.014	1.018	0.987	1.040	0.982	1.008
12/31/2017		1.090	0.987	1.086	1.045	1.014	1.018	0.987	1.040	0.982	1.008
12/31/2018	0.987	1.090	0.987	1.086	1.045	1.014	1.018	0.987	1.040	0.982	1.008
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2016	1.006	1.004	1.003	1.002	1.002	1.002	1.002	1.002	1.008		1.212
12/31/2017	1.006	1.004	1.003	1.002	1.002	1.002	1.002	1.002	1.008		1.321
12/31/2018	1.006	1.004	1.003	1.002	1.002	1.002	1.002	1.002	1.008		1.304

(A) See Section G - Multistate Loss Development.

(B) See Section G - Statewide Loss Development.

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

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

UTAH

Completed Operations
Property Damage
Full Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.0686
27 to 39 Months	0.0750
39 to 51 Months	0.0707
51 to 63 Months	0.0579
63 to 75 Months	0.0463
75 to 87 Months	0.0344
87 to 99 Months	0.0306
99 to 111 Months	0.0332
111 to 123 Months	0.0328
123 to 135 Months	0.0302
135 to 147 Months	0.0192
147 to 159 Months	0.0178
159 to 171 Months	0.0075
171 to Ultimate	A multistate link ratio factor of 1.032 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.524	0.456	0.381	0.310	0.252	0.206	0.171
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.141	0.108	0.075	0.044	0.025	0.007	0.000

A.Y.E	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2016	649,164	1,969,603	0.381	750,420	1,399,584	1.032	1,444,362
12/31/2017	198,159	1,314,565	0.456	599,442	797,601	1.032	823,117
12/31/2018	31,054	1,533,743	0.524	803,682	834,736	1.032	861,440

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	81,009	56,009	59,009	57,370	57,370	58,370	94,952	95,087	164,687	164,554	168,544
12/31/2000		50	2,450	3,250	3,250	186	426	426	162	4,152	3,642
12/31/2001			1,400	587	669	804	804	671	671	1,657	587
12/31/2002			2,000	2,516	2,621	2,621	2,490	2,490	2,841	2,462	2,462
12/31/2003	655	2,655	100,655	100,655	100,655	100,655	100,655	100,655	100,655	100,655	100,655
12/31/2004	1,000	31,750	9,500	104,500	104,500	104,500	104,500	104,500	104,500	104,500	104,500
12/31/2005			55,000	32,500	47,500	47,500	70,000	70,000	70,000	70,003	70,000
12/31/2006	20,900	77,220	132,720	92,720	122,720	122,720	122,720	122,720	122,720	122,720	122,720
12/31/2007	105,281	105,281	108,281	108,281	108,281	108,281	108,281	108,281	108,281	108,281	108,281
12/31/2008	152,992	200,051	130,001	210,000	235,000	210,000	210,000	210,000	210,000	210,000	210,000
12/31/2009	20,926	23,526	30,926	40,926	30,926	30,926	30,926	30,926	30,926	30,926	
12/31/2010	5,000	200,000	135,000	157,000	373,364	286,752	192,567	192,567	192,567		
12/31/2011			25,000	86,381	70,000	100,000	100,000	100,000			
12/31/2012	4,500		25,369		7,000	7,000	7,000				
12/31/2013	78,264	143,783	191,811	67,543	71,311	71,311					
12/31/2014	8,888	8,348	38,848	33,348							
12/31/2015	89,806	15,000	15,000	15,000							
12/31/2016	2,502	212,500	262,500								
12/31/2017	51,350	168,350									
12/31/2018	215,000										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	167,683	166,613	166,613	166,613	166,613	166,613	166,613	166,613	166,613
12/31/2000	2,193	2,193	2,193	2,193	2,193	2,193	2,193	2,193	
12/31/2001	587	587	587	587	587	587	587		
12/31/2002	2,462	2,462	2,462	2,462	2,462	2,462			
12/31/2003	100,655	100,655	100,655	100,655	100,655				
12/31/2004	104,500	104,500	104,500	104,500					
12/31/2005	70,000	70,000	70,000						
12/31/2006	122,720	122,720							
12/31/2007	108,281								

COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
UTAH

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	0.691	1.054	0.972	1.000	1.017	1.627	1.001	1.732	0.999	1.024	0.995
12/31/2000		49.000	1.327	1.000	0.057	2.290	1.000	0.380	25.630	0.877	0.602
12/31/2001			0.419	1.140	1.202	1.000	0.835	1.000	2.469	0.354	1.000
12/31/2002			1.258	1.042	1.000	0.950	1.000	1.141	0.867	1.000	1.000
12/31/2003	4.053	37.911	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2004	31.750	0.299	11.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005			0.591	1.462	1.000	1.474	1.000	1.000	1.000	1.000	1.000
12/31/2006	3.695	1.719	0.699	1.324	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.000	1.028	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2008	1.308	0.650	1.615	1.119	0.894	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2009	1.124	1.315	1.323	0.756	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2010	40.000	0.675	1.163	2.378	0.768	0.672	1.000	1.000	1.000	1.000	1.000
12/31/2011			3.455	0.810	1.429	1.000	1.000				
12/31/2012	0.000	2.018 *	0.000	0.737 *	1.000	1.000					
12/31/2013	1.837	1.334	0.352	1.056	1.000						
12/31/2014	0.939	4.654	0.858	1.000							
12/31/2015	0.167	1.000	1.000								
12/31/2016	84.932	1.235									
12/31/2017	3.278										
3 Yr Mean	29.459	2.296 @	0.737	1.028 @	1.143	0.891	1.000	1.000	1.000	1.000	1.000
Best 3/5	2.018	1.529 *	0.737	0.955 *	1.000	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.994	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2003	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015				0.955	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016			0.737	0.955	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017		1.529	0.737	0.955	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018	2.018	1.529	0.737	0.955	1.000	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.955
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.704
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.076
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.172

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

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

A.Y.E	Allocated Expenses as of:										
	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	2,657	2,732	2,732	2,732	2,949	3,402	18,206	50,369	75,946	61,865	66,826
12/31/2000	0	0	1,908	2,125	2,578	2,741	4,676	5,151	5,294	10,325	14,861
12/31/2001	0	0	217	670	833	1,475	1,761	1,821	1,828	1,858	1,876
12/31/2002	0	0	2,860	3,026	4,319	4,507	4,590	4,660	4,660	4,660	4,660
12/31/2003	0	5,109	67,271	73,585	73,585	73,585	73,585	73,585	73,585	73,585	73,585
12/31/2004	0	4,131	12,782	119,881	119,881	119,881	119,881	119,881	119,881	119,881	119,881
12/31/2005	0	0	45,001	53,687	73,689	73,688	73,689	69,895	69,895	69,895	69,895
12/31/2006	21	21	17,618	6,855	6,997	6,855	26,840	26,840	26,840	26,840	26,840
12/31/2007	17,196	181,299	188,219	188,219	188,219	188,219	188,219	188,219	188,219	188,219	188,219
12/31/2008	125,178	95,428	90,587	72,818	92,818	73,938	73,938	73,938	73,938	73,938	73,938
12/31/2009	583	583	20,582	15,878	7,987	7,987	7,987	7,987	7,987	7,987	
12/31/2010	0	0	51,512	51,563	73,593	116,758	117,559	118,083	118,083		
12/31/2011	0	0	60,000	100,427	164,449	255,427	255,427	255,427			
12/31/2012	0	0	34,630	47,001	50,241	50,241	50,241				
12/31/2013	0	4,093	14,955	63,734	77,433	77,433					
12/31/2014	569	569	929	3,996	10,624						
12/31/2015	15,196	46,264	46,264	46,264							
12/31/2016	0	33,892	93,852								
12/31/2017	19,997	59,997									
12/31/2018	3,479										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	71,362	83,711	83,755	83,755	83,755	83,755	83,755	83,755	83,755
12/31/2000	27,210	27,254	27,254	27,254	27,254	27,254	27,254	27,254	
12/31/2001	1,920	1,920	1,920	1,920	1,920	1,920	1,920		
12/31/2002	4,660	4,660	4,660	4,660	4,660	4,660			
12/31/2003	73,585	73,585	73,585	73,585	73,585				
12/31/2004	119,881	119,881	119,881	119,881					
12/31/2005	69,895	69,895	70,433						
12/31/2006	26,840	26,840							
12/31/2007	188,219								

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	68,119	55,935	62,787	92,787	90,435	96,586	254,235	254,235	191,770	194,926	194,926
12/31/2000	215,136	270,204	270,204	311,455	300,302	300,302	311,264	331,264	331,264	331,254	331,254
12/31/2001	49,480	43,872	119,898	44,769	44,769	44,769	44,769	49,768	49,769	49,769	51,484
12/31/2002	86,757	90,510	225,010	206,725	189,853	209,853	199,863	202,427	194,853	194,853	189,853
12/31/2003	96,609	61,313	61,313	68,749	68,759	68,749	68,749	68,749	68,749	68,749	93,749
12/31/2004	49,183	124,183	128,930	118,930	199,930	137,323	194,930	214,400	199,930	171,930	171,930
12/31/2005	81,966	176,958	168,002	193,002	171,099	191,099	230,599	221,099	221,099	221,099	191,861
12/31/2006	299,702	344,396	387,026	597,325	530,768	538,554	683,204	764,696	628,870	745,322	699,760
12/31/2007	198,124	180,201	183,007	114,332	141,832	119,740	119,332	119,332	178,332	236,606	123,987
12/31/2008	553,295	835,109	938,708	982,965	1,131,684	1,047,646	980,793	1,005,736	1,005,736	1,005,935	1,035,736
12/31/2009	347,558	573,698	618,540	677,645	696,054	675,577	675,577	680,579	697,577	672,592	
12/31/2010	471,965	740,225	863,555	790,355	491,005	549,944	686,610	745,831	588,191		
12/31/2011	535,593	573,288	577,360	558,874	615,804	1,023,044	972,209	744,202			
12/31/2012	524,507	454,313	673,205	603,664	792,736	852,276	910,293				
12/31/2013	567,599	475,031	464,721	396,079	436,771	359,963					
12/31/2014	1,008,079	675,678	621,440	768,025	892,615						
12/31/2015	758,447	656,746	744,858	732,449							
12/31/2016	787,102	795,813	914,201								
12/31/2017	589,987	562,283									
12/31/2018	900,923										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	215,820	288,389	199,276	213,276	214,464	214,464	214,464	214,464	214,464
12/31/2000	335,386	335,386	349,386	350,574	350,574	350,574	350,574	350,574	
12/31/2001	51,484	51,484	51,484	51,484	51,484	51,484	51,484		
12/31/2002	189,853	189,853	189,853	189,853	189,853	189,853			
12/31/2003	68,749	68,749	68,749	68,749	68,749				
12/31/2004	171,930	171,930	171,930	171,930					
12/31/2005	191,861	191,861	191,861						
12/31/2006	702,796	699,565							
12/31/2007	137,018								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	0.821	1.122	1.478	0.975	1.068	2.632	1.000	0.754	1.016	1.000	1.107
12/31/2000	1.256	1.000	1.153	0.964	1.000	1.037	1.064	1.000	1.000	1.000	1.012
12/31/2001	0.887	2.733	0.373	1.000	1.000	1.000	1.112	1.000	1.000	1.034	1.000
12/31/2002	1.043	2.486	0.919	0.918	1.105	0.952	1.013	0.963	1.000	0.974	1.000
12/31/2003	0.635	1.000	1.121	1.000	1.000	1.000	1.000	1.000	1.000	1.364	0.733
12/31/2004	2.525	1.038	0.922	1.681	0.687	1.420	1.100	0.933	0.860	1.000	1.000
12/31/2005	2.159	0.949	1.149	0.887	1.117	1.207	0.959	1.000	1.000	0.868	1.000
12/31/2006	1.149	1.124	1.543	0.889	1.015	1.269	1.119	0.822	1.185	0.939	1.004
12/31/2007	0.910	1.016	0.625	1.241	0.844	0.997	1.000	1.494	1.327	0.524	1.105
12/31/2008	1.509	1.124	1.047	1.151	0.926	0.936	1.025	1.000	1.000	1.030	
12/31/2009	1.651	1.078	1.096	1.027	0.971	1.000	1.007	1.025	0.964		
12/31/2010	1.568	1.167	0.915	0.621	1.120	1.249	1.086	0.789			
12/31/2011	1.070	1.007	0.968	1.102	1.661	0.950	0.765				
12/31/2012	0.866	1.482	0.897	1.313	1.075	1.068					
12/31/2013	0.837	0.978	0.852	1.103	0.824						
12/31/2014	0.670	0.920	1.236	1.162							
12/31/2015	0.866	1.134	0.983								
12/31/2016	1.011	1.149									
12/31/2017	0.953										

3 Yr Mean	0.943	1.068	1.024	1.193	1.187	1.089	0.953	0.938	1.097	0.831	1.036
Best 3/5	0.885	1.087	0.949	1.122	1.055	1.006	1.011	0.949	1.062	0.936	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.336	0.691	1.070	1.006	1.000	1.000	1.000	1.000
12/31/2000	1.000	1.042	1.003	1.000	1.000	1.000	1.000	1.000 *
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2003	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000	1.000	1.000					
12/31/2005	1.000	1.000						
12/31/2006	0.995							

3 Yr Mean	0.998	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 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.055	1.006	1.011	0.949	1.062	0.936	1.001
12/31/2015				1.122	1.055	1.006	1.011	0.949	1.062	0.936	1.001
12/31/2016			0.949	1.122	1.055	1.006	1.011	0.949	1.062	0.936	1.001
12/31/2017		1.087	0.949	1.122	1.055	1.006	1.011	0.949	1.062	0.936	1.001
12/31/2018	0.885	1.087	0.949	1.122	1.055	1.006	1.011	0.949	1.062	0.936	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.013
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.137
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.079
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.173
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.038

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

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

A.Y.E	Allocated Expenses as of:										
	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	1,011	4,503	9,259	25,100	35,987	44,278	49,438	107,545	74,438	77,723	78,105
12/31/2000	3,447	11,111	11,111	15,057	34,675	34,676	36,250	39,745	74,888	98,217	98,217
12/31/2001	6,507	4,031	8,026	20,745	20,745	20,745	20,745	21,375	22,020	22,470	28,071
12/31/2002	3,318	6,933	28,673	38,347	37,817	37,817	37,817	43,872	59,907	59,907	59,907
12/31/2003	1,832	3,258	3,258	6,106	6,106	6,106	6,106	6,106	6,106	6,106	58,699
12/31/2004	5,822	28,429	92,553	128,748	153,090	160,398	148,102	150,684	151,481	156,399	197,257
12/31/2005	7,991	1,336	51,757	57,239	58,727	63,227	90,495	97,247	100,721	102,255	102,255
12/31/2006	34,687	83,450	131,822	273,069	321,432	358,141	538,187	602,417	878,260	1,027,399	984,853
12/31/2007	35,000	8,243	79,778	49,777	44,422	79,978	80,887	80,887	80,887	101,155	112,932
12/31/2008	129,866	179,512	327,526	445,116	665,009	705,461	794,610	777,020	777,020	777,020	797,021
12/31/2009	1,777	107,900	226,020	352,248	486,830	527,278	527,279	543,895	588,266	582,760	
12/31/2010	55,482	135,537	215,277	460,561	471,015	714,649	842,789	939,149	975,995		
12/31/2011	24,967	52,508	85,348	103,720	103,720	205,161	366,864	527,468			
12/31/2012	17,363	33,998	88,105	94,334	117,722	146,533	154,292				
12/31/2013	38,457	168,647	206,492	351,491	416,177	667,861					
12/31/2014	64,683	118,813	236,791	560,052	765,497						
12/31/2015	26,677	120,787	187,192	230,113							
12/31/2016	166,121	373,561	451,250								
12/31/2017	32,070	59,506									
12/31/2018	31,054										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	87,811	103,415	107,133	107,994	110,841	110,841	110,841	110,841	110,841
12/31/2000	98,217	98,217	99,078	101,925	101,925	101,925	101,925	101,925	
12/31/2001	31,017	31,017	31,017	31,017	31,017	31,017	31,017		
12/31/2002	59,907	59,907	59,907	59,907	59,907	59,907			
12/31/2003	8,699	8,699	8,699	8,699	8,699				
12/31/2004	197,257	197,257	197,257	197,257					
12/31/2005	105,457	105,457	105,457						
12/31/2006	1,080,659	1,138,453							
12/31/2007	126,719								

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	4,956,833	6,997,254	9,702,054	11,503,345	11,550,057	11,806,217	11,486,813	11,275,709	11,277,262	11,301,812	11,324,606
12/31/2000	3,161,020	7,032,572	9,020,885	10,626,496	10,512,292	10,857,836	10,356,898	10,420,083	10,270,732	10,309,376	10,306,797
12/31/2001	3,122,564	6,716,472	8,908,525	9,878,483	10,467,130	10,520,411	10,353,113	10,107,990	10,003,388	9,901,935	9,923,305
12/31/2002	2,897,561	6,865,145	9,002,579	9,805,765	10,739,856	10,865,771	11,151,148	11,357,869	11,502,501	11,555,831	11,589,549
12/31/2003	3,612,890	6,617,194	9,969,513	10,646,523	10,531,387	10,340,245	10,114,947	10,077,141	10,060,673	10,097,074	10,148,084
12/31/2004	4,686,540	7,094,003	9,584,995	10,682,560	10,795,982	10,316,931	10,629,712	10,584,946	10,568,534	10,603,697	10,708,555
12/31/2005	4,166,570	7,107,994	9,954,107	11,194,209	10,993,689	11,195,470	11,511,084	11,421,373	11,338,779	11,435,715	11,391,261
12/31/2006	4,486,358	8,514,115	12,455,387	13,076,313	12,929,083	13,111,153	12,966,886	13,179,515	13,090,804	13,005,483	12,932,373
12/31/2007	4,289,508	8,282,118	11,145,959	12,269,098	12,290,037	12,327,570	12,034,326	12,184,965	12,381,873	12,167,398	12,147,985
12/31/2008	4,236,718	7,704,790	10,965,360	11,869,482	11,630,179	11,626,770	12,289,095	12,070,191	12,126,593	12,082,352	12,246,758
12/31/2009	4,868,191	7,733,590	10,813,605	11,349,866	11,444,053	11,835,965	11,440,685	11,428,102	11,314,699	11,155,367	
12/31/2010	4,787,074	9,758,644	12,146,043	13,409,582	14,363,567	14,411,482	13,965,812	13,822,151	13,714,384		
12/31/2011	4,592,218	7,281,911	10,926,404	12,942,917	12,904,776	11,881,715	11,971,646	11,755,069			
12/31/2012	3,366,624	7,210,935	13,070,709	12,851,616	13,154,080	13,084,601	12,729,945				
12/31/2013	4,432,335	9,778,399	11,756,233	13,418,362	13,483,211	13,579,893					
12/31/2014	5,447,688	8,149,646	12,314,193	13,091,886	12,678,787						
12/31/2015	4,437,364	8,197,069	12,273,824	13,104,598							
12/31/2016	3,002,552	8,418,869	12,205,818								
12/31/2017	5,253,013	9,593,527									
12/31/2018	6,008,084										

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

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

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

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

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

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

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

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

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2015				1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2016			1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2017		1.486	1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2018	1.960	1.486	1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002

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

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

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	404,714	874,417	1,874,163	2,237,696	2,297,649	1,809,642	1,786,359	1,845,557	1,883,682	1,920,172	1,991,256
12/31/2000	350,798	514,262	1,161,368	1,461,454	1,251,531	1,824,321	1,645,592	1,526,792	1,602,111	1,592,811	1,521,613
12/31/2001	341,894	717,993	931,446	983,561	925,921	1,006,703	1,264,056	1,362,273	1,314,023	1,301,223	1,308,023
12/31/2002	229,242	650,739	1,124,018	1,164,317	1,373,666	1,361,220	1,672,423	1,722,423	1,546,341	1,493,066	1,515,902
12/31/2003	319,688	867,685	1,366,084	1,255,628	1,211,547	1,314,289	1,316,395	1,340,895	1,420,195	1,420,197	1,443,795
12/31/2004	267,810	621,021	1,029,012	1,052,518	1,091,198	1,010,394	847,293	874,261	891,150	878,580	829,980
12/31/2005	666,837	1,045,465	1,124,246	1,101,235	1,202,588	1,059,558	1,149,104	1,150,432	1,118,532	1,252,441	1,197,866
12/31/2006	818,931	1,320,993	1,476,958	1,588,453	1,683,437	1,415,017	1,390,016	1,610,616	1,750,067	1,700,298	1,596,566
12/31/2007	270,668	948,364	953,464	1,093,194	1,160,444	1,273,644	1,213,956	1,206,781	1,181,807	1,181,308	1,229,358
12/31/2008	288,189	736,486	765,196	902,388	835,573	1,014,521	1,107,977	1,245,724	1,258,771	1,196,313	1,195,313
12/31/2009	566,791	1,045,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244	1,038,243	1,153,243	
12/31/2010	641,422	781,803	1,438,274	1,851,833	1,583,598	1,516,454	1,441,164	1,487,665	1,582,736		
12/31/2011	270,205	819,627	1,230,077	1,689,436	1,722,481	1,706,863	1,706,863	1,706,863			
12/31/2012	383,511	1,139,597	1,405,578	1,652,860	1,649,357	1,695,210	1,692,710				
12/31/2013	1,675,399	2,417,513	2,662,315	2,672,081	2,667,808	2,768,307					
12/31/2014	1,950,981	2,466,662	2,836,296	3,126,175	3,209,813						
12/31/2015	980,710	1,453,033	1,925,708	2,328,985							
12/31/2016	1,110,372	2,429,268	2,968,685								
12/31/2017	554,719	1,996,465									
12/31/2018	870,529										

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

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	2.161	2.143	1.194	1.027	0.788	0.987	1.033	1.021	1.019	1.037	0.997
12/31/2000	1.466	2.258	1.258	0.856	1.458	0.902	0.928	1.049	0.994	0.955	1.011
12/31/2001	2.100	1.297	1.056	0.941	1.087	1.256	1.078	0.965	0.990	1.005	0.965
12/31/2002	2.839	1.727	1.036	1.180	0.991	1.229	1.030	0.898	0.966	1.015	0.968
12/31/2003	2.714	1.574	0.919	0.965	1.085	1.002	1.019	1.059	1.000	1.017	1.002
12/31/2004	2.319	1.657	1.023	1.037	0.926	0.839	1.032	1.019	0.986	0.945	0.998
12/31/2005	1.568	1.075	0.980	1.092	0.881	1.085	1.001	0.972	1.120	0.956	1.033
12/31/2006	1.613	1.118	1.075	1.060	0.841	0.982	1.159	1.087	0.972	0.939	0.974
12/31/2007	3.504	1.005	1.147	1.062	1.098	0.953	0.994	0.979	1.000	1.041	1.170
12/31/2008	2.556	1.039	1.179	0.926	1.214	1.092	1.124	1.010	0.950	0.999	
12/31/2009	1.844	1.023	1.182	0.858	1.064	0.952	0.999	0.946	1.111		
12/31/2010	1.219	1.840	1.288	0.855	0.958	0.950	1.032	1.064			
12/31/2011	3.033	1.501	1.373	1.020	0.991	1.000	1.000				
12/31/2012	2.971	1.233	1.176	0.998	1.028	0.999					
12/31/2013	1.443	1.101	1.004	0.998	1.038						
12/31/2014	1.264	1.150	1.102	1.027							
12/31/2015	1.482	1.325	1.209								
12/31/2016	2.188	1.222									
12/31/2017	3.599										

3 Yr Mean 2.423 1.232 1.105 1.008 1.019 0.983 1.010 1.007 1.020 0.993 1.059

Best 3/5 1.704 1.202 1.162 1.005 1.019 0.984 1.010 1.018 1.028 0.967 1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.967	0.972	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	0.996	0.980	1.045	0.997	1.000	1.000	1.001	1.002 *			
12/31/2001	1.000	1.038	0.973	1.000	1.020	1.025	1.004 *	1.002 *			
12/31/2002	1.076	1.001	1.000	1.000	1.063	1.007 *	1.004 *	1.002 *			
12/31/2003	0.984	1.000	1.000	1.070	1.000 *	1.007 *	1.004 *	1.002 *			
12/31/2004	1.000	1.006	1.120								
12/31/2005	1.060	1.000									
12/31/2006	1.064										

3 Yr Mean 1.041 1.002 1.040 1.023 1.028 @ 1.008 @ 1.001 @ 1.000 @

Best 3/5 1.041 1.002 1.015 1.000 1.007 * 1.005 * 1.003 * 1.002 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2015				1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2016			1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2017		1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2018	1.704	1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011

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

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

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

Allocated Expenses as of:											
A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	890,508	1,598,954	3,254,883	5,425,757	6,421,483	7,327,626	7,305,050	7,918,594	8,530,517	8,648,466	8,917,435
12/31/2000	643,848	2,331,874	3,566,128	5,837,479	6,471,043	7,149,476	7,182,915	7,183,356	7,234,045	7,482,173	7,492,689
12/31/2001	564,536	1,841,013	3,740,473	5,597,252	7,365,879	8,104,983	8,750,061	8,750,391	8,813,420	8,823,647	8,795,893
12/31/2002	654,307	2,802,220	4,513,704	7,859,619	8,633,167	10,041,112	10,369,555	10,736,012	10,986,348	11,002,397	11,074,764
12/31/2003	1,047,161	2,229,991	4,639,200	7,434,876	8,340,416	9,003,483	9,652,654	9,648,716	9,520,081	9,559,102	9,611,250
12/31/2004	541,289	1,809,061	4,208,694	6,668,763	8,457,521	9,621,299	10,825,994	10,459,506	10,530,647	10,559,053	10,882,331
12/31/2005	737,161	1,341,851	3,695,927	6,083,030	7,439,433	8,214,925	8,761,458	8,973,491	9,291,777	9,584,330	9,754,869
12/31/2006	889,126	3,634,712	6,271,204	7,909,774	9,265,894	10,466,936	11,033,230	11,367,400	11,641,649	11,656,624	11,635,939
12/31/2007	817,267	2,516,874	5,470,176	9,150,556	10,174,735	10,788,755	11,080,063	11,364,093	11,545,473	11,658,184	11,686,938
12/31/2008	825,433	1,909,021	4,206,120	6,424,317	8,462,232	9,680,025	10,405,279	10,968,718	11,666,928	14,924,775	14,717,385
12/31/2009	544,523	1,995,974	4,184,545	6,498,331	8,786,455	9,366,439	9,651,394	9,873,136	9,885,249	10,002,293	
12/31/2010	797,308	2,771,965	5,305,585	7,969,842	10,483,462	11,590,011	12,445,934	12,482,184	12,868,867		
12/31/2011	779,416	1,912,711	4,295,522	7,598,311	9,969,328	10,824,179	11,313,052	11,440,687			
12/31/2012	284,923	1,563,412	5,459,116	8,055,321	9,703,087	11,271,406	11,948,835				
12/31/2013	518,869	2,133,963	4,889,049	8,365,829	10,301,339	11,660,764					
12/31/2014	543,643	2,213,840	5,318,837	7,434,580	8,571,200						
12/31/2015	462,007	1,841,087	4,870,573	7,051,384							
12/31/2016	405,440	1,822,495	3,879,852								
12/31/2017	634,607	2,440,841									
12/31/2018	431,665										

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

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

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

171 to Ultimate Factor: 1.012

* Calculated Using Modified Bondy Method

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

	Increments												
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	708,446	1,655,929	2,170,874	995,726	906,143	-22,576	613,544	611,923	117,949	268,969	194,043	-103,036	-8,460
12/31/2000	1,688,026	1,234,254	2,271,351	633,564	678,433	33,439	441	50,689	248,128	10,516	112,540	-3,518	-10,686
12/31/2001	1,276,477	1,899,460	1,856,779	1,768,627	739,104	645,078	330	63,029	10,227	-27,754	32,464	-11,276	12,360
12/31/2002	2,147,913	1,711,484	3,345,915	773,548	1,407,945	328,443	366,457	250,336	16,049	72,367	70,462	168,680	87,861
12/31/2003	1,182,830	2,409,209	2,795,676	905,540	663,067	649,171	-3,938	-128,635	39,021	52,148	111,286	37,637	77,298
12/31/2004	1,267,772	2,399,633	2,460,069	1,788,758	1,163,778	1,204,695	-366,488	71,141	28,406	323,278	183,412	126,112	50,330
12/31/2005	604,690	2,354,076	2,387,103	1,356,403	775,492	546,533	212,033	318,286	292,553	170,539	140,310	226,129	60,258
12/31/2006	2,745,586	2,636,492	1,638,570	1,356,120	1,201,042	566,294	334,170	274,249	14,975	-20,685	96,811	-1,919	
12/31/2007	1,699,607	2,953,302	3,680,380	1,024,179	614,020	291,308	284,030	181,380	112,711	28,754	-2,480		
12/31/2008	1,083,588	2,297,099	2,218,197	2,037,915	1,217,793	725,254	563,439	698,210	3,257,847	-207,390			
12/31/2009	1,451,451	2,188,571	2,313,786	2,288,124	579,984	284,955	221,742	12,113	117,044				
12/31/2010	1,974,657	2,533,620	2,664,257	2,513,620	1,106,549	855,923	36,250	386,683					
12/31/2011	1,133,295	2,382,811	3,302,789	2,371,017	854,851	488,873	127,635						
12/31/2012	1,278,489	3,895,704	2,596,205	1,647,766	1,568,319	677,429							
12/31/2013	1,615,094	2,755,086	3,476,780	1,935,510	1,359,425								
12/31/2014	1,670,197	3,104,997	2,115,743	1,136,620									
12/31/2015	1,379,080	3,029,486	2,180,811										
12/31/2016	1,417,055	2,057,357											
12/31/2017	1,806,234												

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

Best 3/5	0.0604	0.1264	0.1138	0.0832	0.0471	0.0277	0.0098	0.0117	0.0078	0.0027	0.0054	0.0055	0.0031
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COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	17,599,989	22,454,473	26,046,127	29,562,061	32,370,320	35,877,922	37,653,769	38,643,310	39,594,313	40,570,468	40,738,228
12/31/2000	20,148,215	28,117,537	33,733,241	38,083,537	40,534,637	43,442,144	47,070,033	48,693,596	49,659,853	50,864,816	51,204,766
12/31/2001	22,510,580	30,442,420	36,303,332	39,979,579	43,246,242	44,802,398	45,830,354	48,128,085	49,452,012	49,989,510	49,995,824
12/31/2002	23,942,676	32,500,184	36,636,196	41,459,403	42,462,013	43,302,516	45,305,257	47,063,599	47,981,622	47,466,223	47,890,555
12/31/2003	27,265,666	32,650,070	36,957,858	37,463,953	39,827,295	40,944,922	41,480,008	42,523,955	43,740,689	43,931,137	44,470,197
12/31/2004	27,439,588	33,954,287	37,809,524	41,667,059	44,039,186	45,918,270	47,701,876	48,688,019	50,558,507	51,255,498	52,665,600
12/31/2005	24,441,902	30,021,631	34,159,132	38,667,459	41,089,600	43,660,220	46,355,866	47,633,893	49,215,729	49,424,547	50,472,459
12/31/2006	33,251,639	40,963,717	47,016,396	52,296,103	58,005,321	59,899,447	61,613,000	61,134,942	62,533,335	63,360,384	65,294,375
12/31/2007	37,478,911	45,385,473	54,043,566	56,932,040	59,518,933	61,515,339	62,521,476	64,578,463	66,303,739	68,449,195	70,993,010
12/31/2008	46,746,190	55,030,465	60,846,012	63,453,576	64,664,973	65,907,275	68,135,592	69,345,267	77,558,317	85,573,198	80,392,789
12/31/2009	50,614,467	59,080,856	65,592,058	66,906,596	68,558,709	69,306,834	70,387,519	73,634,396	78,978,315	79,312,015	
12/31/2010	50,249,441	59,040,061	62,599,203	64,398,679	66,662,622	68,124,844	69,513,387	71,647,625	73,500,618		
12/31/2011	50,195,255	56,010,649	58,198,283	58,649,085	59,965,899	62,392,350	64,582,427	65,916,858			
12/31/2012	42,530,139	48,022,963	49,922,237	52,558,947	55,321,739	57,911,305	59,680,496				
12/31/2013	37,680,360	42,122,567	46,464,088	48,430,126	51,135,291	52,876,083					
12/31/2014	38,513,971	44,501,138	47,606,411	49,609,846	50,564,942						
12/31/2015	35,973,160	42,715,059	47,871,650	51,342,816							
12/31/2016	35,239,568	45,331,006	50,354,922								
12/31/2017	38,074,708	46,164,945									
12/31/2018	41,103,743										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	40,957,384	41,152,372	41,043,145	41,246,586	41,187,833	41,307,131	41,306,349	41,381,160	41,374,042
12/31/2000	51,776,232	51,670,398	51,668,291	51,689,055	51,572,415	51,442,716	51,489,129	51,490,970	
12/31/2001	50,324,295	50,035,846	50,162,941	50,378,683	50,345,144	50,483,753	50,770,646		
12/31/2002	48,212,469	48,315,325	48,445,558	48,467,239	48,973,417	49,091,954			
12/31/2003	44,530,235	44,960,842	45,372,085	45,920,923	46,247,275				
12/31/2004	53,486,742	53,985,474	54,030,819	54,502,221					
12/31/2005	50,794,958	51,242,946	51,786,291						
12/31/2006	66,435,190	67,420,635							
12/31/2007	71,946,233								

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

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

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

3 Yr Mean	1.011	1.007	1.007	1.005	1.001 @	1.002 @	1.001 @	1.000 @			
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Best 3/5	1.009	1.005	1.004	1.002	1.002 *	1.002 *	1.002 *	1.002 *			
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A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2015				1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2016			1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2017		1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2018	1.185	1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012

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

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	3,142,541	4,977,597	5,527,609	7,197,579	8,141,449	9,579,842	11,039,408	12,035,649	12,734,940	13,067,600	13,561,726
12/31/2000	3,400,770	5,146,115	7,094,639	9,275,829	11,482,702	14,262,234	16,346,990	18,132,176	18,953,322	21,225,933	22,978,551
12/31/2001	3,489,097	5,541,713	7,596,604	10,340,541	13,626,492	16,865,666	21,643,955	23,053,258	25,546,037	25,617,725	27,154,935
12/31/2002	3,869,547	5,269,389	7,634,451	9,448,387	11,115,022	13,703,839	15,356,116	17,226,965	19,460,727	19,390,207	19,372,934
12/31/2003	4,149,510	6,037,111	7,638,180	8,422,617	9,776,188	10,377,702	11,377,578	12,070,965	12,746,610	13,596,034	13,514,320
12/31/2004	5,713,030	7,273,617	9,072,102	9,621,873	10,360,231	11,365,247	12,050,208	13,233,590	13,816,700	14,195,450	14,420,607
12/31/2005	6,367,860	8,777,525	9,741,409	10,326,087	11,626,756	12,389,964	12,824,831	13,608,783	14,235,890	14,331,722	14,545,124
12/31/2006	7,279,926	8,817,707	9,982,104	10,720,177	10,771,667	11,702,567	12,317,963	13,039,835	13,456,151	14,670,374	15,511,896
12/31/2007	9,403,204	11,511,865	11,956,531	12,390,151	13,164,956	13,680,133	14,775,331	15,475,514	16,228,583	17,474,496	17,511,929
12/31/2008	8,712,888	11,525,141	13,850,601	14,313,077	15,269,695	16,210,357	17,369,962	17,860,780	18,589,934	18,718,045	19,223,791
12/31/2009	7,979,788	10,320,500	11,838,366	12,625,681	13,654,353	15,195,568	16,397,696	16,933,219	17,598,778	18,050,046	
12/31/2010	9,056,769	10,657,449	10,911,041	11,745,824	12,597,278	12,949,027	13,227,231	14,123,135	14,480,770		
12/31/2011	8,411,352	10,340,541	11,336,352	11,446,268	12,211,032	12,892,273	13,370,415	13,812,048			
12/31/2012	7,813,203	9,214,668	9,925,070	10,448,675	11,837,770	12,473,737	12,737,058				
12/31/2013	10,344,923	12,289,236	12,950,872	13,773,169	14,353,939	15,031,095					
12/31/2014	10,480,704	12,363,373	14,118,754	15,606,041	16,471,188						
12/31/2015	12,410,417	15,384,247	16,277,335	16,843,450							
12/31/2016	13,146,314	15,132,055	17,680,734								
12/31/2017	11,707,532	14,190,927									
12/31/2018	12,594,173										

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

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.584	1.110	1.302	1.131	1.177	1.152	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.513	1.379	1.307	1.238	1.242	1.146	1.109	1.045	1.120	1.083	1.025
12/31/2001	1.588	1.371	1.361	1.318	1.238	1.283	1.065	1.108	1.003	1.060	1.006
12/31/2002	1.362	1.449	1.238	1.176	1.233	1.121	1.122	1.130	0.996	0.999	1.016
12/31/2003	1.455	1.265	1.103	1.161	1.062	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.273	1.247	1.061	1.077	1.097	1.060	1.098	1.044	1.027	1.016	1.003
12/31/2005	1.378	1.110	1.060	1.126	1.066	1.035	1.061	1.046	1.007	1.015	1.040
12/31/2006	1.211	1.132	1.074	1.005	1.086	1.053	1.059	1.032	1.090	1.057	1.004
12/31/2007	1.224	1.039	1.036	1.063	1.039	1.080	1.047	1.049	1.077	1.002	1.025
12/31/2008	1.323	1.202	1.033	1.067	1.062	1.072	1.028	1.041	1.007	1.027	
12/31/2009	1.293	1.147	1.067	1.081	1.113	1.079	1.033	1.039	1.026		
12/31/2010	1.177	1.024	1.077	1.072	1.028	1.021	1.068	1.025			
12/31/2011	1.229	1.096	1.010	1.067	1.056	1.037	1.033				
12/31/2012	1.179	1.077	1.053	1.133	1.054	1.021					
12/31/2013	1.188	1.054	1.063	1.042	1.047						
12/31/2014	1.180	1.142	1.105	1.055							
12/31/2015	1.240	1.058	1.035								
12/31/2016	1.151	1.168									
12/31/2017	1.212										

3 Yr Mean 1.201 1.123 1.068 1.077 1.052 1.026 1.045 1.035 1.037 1.029 1.023

Best 3/5 1.193 1.092 1.050 1.065 1.052 1.043 1.038 1.037 1.037 1.019 1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000	1.001			
12/31/2000	1.008	0.997	0.999	0.991	0.993	1.002	1.000	1.000 *			
12/31/2001	1.003	0.986	0.997	0.994	1.002	0.997	1.000 *	1.000 *			
12/31/2002	0.990	0.985	0.988	1.004	1.000	0.999 *	1.000 *	1.000 *			
12/31/2003	1.015	0.974	0.996	0.996	0.997 *	0.999 *	1.000 *	1.000 *			
12/31/2004	1.010	1.002	1.005								
12/31/2005	1.014	1.012									
12/31/2006	1.018										

3 Yr Mean 1.014 0.996 0.996 0.998 0.998 @ 1.000 @ 1.000 @ 1.001 @

Best 3/5 1.013 0.991 0.997 0.997 0.998 * 0.999 * 1.000 * 1.000 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2015				1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2016			1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2017		1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2018	1.193	1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011

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

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

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

Allocated Expenses as of:											
A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	1,668,153	3,336,316	6,423,228	11,359,815	14,943,484	18,872,478	22,475,790	25,613,716	28,564,868	30,260,585	30,908,184
12/31/2000	1,766,693	4,118,532	7,955,148	12,936,180	16,843,886	21,472,254	27,802,647	31,797,032	33,570,681	36,189,547	38,084,926
12/31/2001	3,226,880	6,490,590	12,441,692	18,154,439	23,560,982	29,302,373	35,452,222	39,569,142	42,814,608	44,842,276	45,917,075
12/31/2002	2,581,677	6,833,339	13,159,921	18,902,345	23,353,458	26,527,709	29,133,819	31,455,087	34,681,377	36,361,483	37,623,838
12/31/2003	3,980,548	6,843,257	12,896,746	17,537,418	21,971,378	26,148,320	28,055,619	30,760,075	32,857,264	34,779,255	36,359,446
12/31/2004	2,907,478	6,312,396	12,432,312	18,820,466	23,132,519	27,486,354	32,181,841	36,251,739	41,917,825	45,922,525	50,549,761
12/31/2005	2,078,294	6,544,724	12,017,280	18,070,477	23,101,679	29,091,715	32,902,584	36,663,507	41,170,343	44,789,283	47,493,933
12/31/2006	4,056,419	8,910,100	16,372,653	23,646,982	30,533,489	36,573,120	42,719,189	46,378,212	53,034,326	55,954,270	58,905,773
12/31/2007	4,482,298	9,178,174	17,272,566	23,812,316	30,002,254	36,368,263	40,982,320	45,906,718	50,057,115	54,549,809	56,940,320
12/31/2008	5,357,486	12,833,987	21,319,711	31,631,934	40,623,873	46,521,177	50,243,526	53,349,509	57,231,987	59,030,697	61,184,078
12/31/2009	7,511,748	15,425,832	26,729,294	38,180,516	46,834,262	52,887,028	57,319,303	62,568,183	64,898,716	67,818,596	
12/31/2010	6,215,465	14,390,125	25,396,884	36,902,451	43,783,473	49,068,325	52,949,562	54,961,417	57,853,487		
12/31/2011	7,189,460	14,183,919	21,615,590	28,000,327	32,813,918	37,942,294	42,388,604	44,604,807			
12/31/2012	5,535,629	11,817,006	19,276,840	26,806,682	34,990,010	39,116,020	40,961,492				
12/31/2013	4,584,476	11,549,212	17,755,808	26,350,128	32,244,133	35,001,536					
12/31/2014	4,485,014	10,676,701	17,653,654	23,910,588	28,157,111						
12/31/2015	5,242,900	11,061,224	17,938,069	24,272,558							
12/31/2016	5,490,531	12,613,714	21,269,132								
12/31/2017	4,454,932	10,203,609									
12/31/2018	4,383,119										

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

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

171 to Ultimate Factor: 1.032

* Calculated Using Modified Bondy Method

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

Increments													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	1,668,163	3,086,912	4,936,587	3,583,669	3,928,994	3,603,312	3,137,926	2,951,152	1,695,717	647,599	1,233,941	1,130,732	323,350
12/31/2000	2,351,839	3,836,616	4,981,032	3,907,706	4,628,368	6,330,393	3,994,385	1,773,649	2,618,866	1,895,379	2,085,961	100,370	-99,562
12/31/2001	3,263,710	5,951,102	5,712,747	5,406,543	5,741,391	6,149,849	4,116,920	3,245,466	2,027,668	1,074,799	796,727	298,645	238,142
12/31/2002	4,251,662	6,326,582	5,742,424	4,451,113	3,174,251	2,606,110	2,321,268	3,226,290	1,680,106	1,262,355	1,713,908	1,622,862	187,549
12/31/2003	2,862,709	6,053,489	4,640,672	4,433,960	4,176,942	1,907,299	2,704,456	2,097,189	1,921,991	1,580,191	1,721,565	584,380	923,238
12/31/2004	3,404,918	6,119,916	6,388,154	4,312,053	4,353,835	4,695,487	4,069,898	5,666,086	4,004,700	4,627,236	4,617,660	1,972,110	980,367
12/31/2005	4,466,430	5,472,556	6,053,197	5,031,202	5,990,036	3,810,869	3,760,923	4,506,836	3,618,940	2,704,650	528,418	1,223,368	516,400
12/31/2006	4,853,681	7,462,553	7,274,329	6,886,507	6,039,631	6,146,069	3,659,023	6,656,114	2,919,944	2,951,503	1,440,547	1,354,098	
12/31/2007	4,695,876	8,094,392	6,539,750	6,189,938	6,366,009	4,614,057	4,924,398	4,150,397	4,492,694	2,390,511	1,701,075		
12/31/2008	7,476,501	8,485,724	10,312,223	8,991,939	5,897,304	3,722,349	3,105,983	3,882,478	1,798,710	2,153,381			
12/31/2009	7,914,084	11,303,462	11,451,222	8,653,746	6,052,766	4,432,275	5,248,880	2,330,533	2,919,880				
12/31/2010	8,174,660	11,006,759	11,505,567	6,881,022	5,284,852	3,881,237	2,011,855	2,892,070					
12/31/2011	6,994,459	7,431,671	6,384,737	4,813,591	5,128,376	4,446,310	2,216,203						
12/31/2012	6,281,377	7,459,834	7,529,842	8,183,328	4,126,010	1,845,472							
12/31/2013	6,964,736	6,206,596	8,594,320	5,894,005	2,757,403								
12/31/2014	6,191,687	6,976,953	6,256,934	4,246,523									
12/31/2015	5,818,324	6,876,845	6,334,489										
12/31/2016	7,123,183	8,655,418											
12/31/2017	5,748,677												

Incremental Percentages													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0287	0.0531	0.0849	0.0616	0.0676	0.0620	0.0540	0.0508	0.0292	0.0111	0.0212	0.0194	0.0056
12/31/2000	0.0319	0.0521	0.0676	0.0530	0.0628	0.0859	0.0542	0.0241	0.0355	0.0257	0.0283	0.0014	-0.0014
12/31/2001	0.0451	0.0822	0.0789	0.0747	0.0793	0.0850	0.0569	0.0448	0.0280	0.0148	0.0110	0.0041	0.0033
12/31/2002	0.0594	0.0884	0.0803	0.0622	0.0444	0.0364	0.0324	0.0451	0.0235	0.0176	0.0240	0.0227	0.0026
12/31/2003	0.0436	0.0922	0.0706	0.0675	0.0636	0.0290	0.0412	0.0319	0.0293	0.0241	0.0262	0.0089	0.0141
12/31/2004	0.0422	0.0758	0.0791	0.0534	0.0539	0.0581	0.0504	0.0701	0.0496	0.0573	0.0572	0.0244	0.0121
12/31/2005	0.0609	0.0746	0.0826	0.0686	0.0817	0.0520	0.0513	0.0615	0.0494	0.0369	0.0072	0.0167	0.0070
12/31/2006	0.0500	0.0768	0.0749	0.0709	0.0622	0.0633	0.0377	0.0685	0.0301	0.0304	0.0148	0.0139	
12/31/2007	0.0460	0.0793	0.0640	0.0606	0.0623	0.0452	0.0482	0.0406	0.0440	0.0234	0.0167		
12/31/2008	0.0644	0.0731	0.0888	0.0774	0.0508	0.0321	0.0267	0.0334	0.0155	0.0185			
12/31/2009	0.0660	0.0942	0.0955	0.0721	0.0505	0.0370	0.0438	0.0194	0.0243				
12/31/2010	0.0722	0.0972	0.1016	0.0608	0.0467	0.0343	0.0178	0.0255					
12/31/2011	0.0677	0.0719	0.0618	0.0466	0.0496	0.0430	0.0214						
12/31/2012	0.0651	0.0773	0.0780	0.0848	0.0428	0.0191							
12/31/2013	0.0763	0.0680	0.0941	0.0646	0.0302								
12/31/2014	0.0707	0.0797	0.0715	0.0485									
12/31/2015	0.0575	0.0679	0.0626										
12/31/2016	0.0739	0.0898											
12/31/2017	0.0612												

Best 3/5	0.0686	0.0750	0.0707	0.0579	0.0463	0.0344	0.0306	0.0332	0.0328	0.0302	0.0192	0.0178	0.0075
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LOCAL PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	5,640,125	7,221,932	8,055,559	8,625,494	8,777,928	8,432,303	8,308,730	8,429,844	8,381,635	8,399,607	8,444,616
12/31/2000	6,241,893	7,846,057	8,878,581	10,028,395	9,114,290	9,074,853	9,040,929	9,098,117	9,015,129	9,029,862	9,013,288
12/31/2001	6,156,159	7,697,139	9,047,316	9,348,983	9,229,080	9,477,420	9,527,338	9,414,451	9,459,412	9,426,291	9,474,711
12/31/2002	6,742,206	7,904,813	9,350,937	10,575,598	10,464,773	10,397,019	10,389,624	10,423,004	10,423,204	10,419,382	10,525,383
12/31/2003	4,685,836	6,556,178	8,907,379	9,498,317	9,914,560	9,824,811	9,608,111	9,501,928	9,510,106	9,595,145	9,476,207
12/31/2004	5,613,023	6,798,347	8,144,858	8,903,857	8,633,061	8,292,971	8,366,133	8,209,619	8,248,611	8,270,040	8,241,575
12/31/2005	6,094,066	6,419,364	7,839,512	7,961,490	7,857,496	7,799,132	7,787,265	7,825,588	7,718,468	7,697,337	7,697,188
12/31/2006	5,468,803	6,585,107	8,165,220	8,060,168	7,846,753	7,673,354	7,486,282	7,495,698	7,557,198	7,557,198	7,557,198
12/31/2007	5,201,096	6,085,661	7,372,132	7,290,050	7,403,475	7,343,964	7,191,507	6,969,119	6,859,510	6,874,507	6,874,507
12/31/2008	5,734,718	7,045,916	7,954,815	7,621,748	7,378,809	7,502,155	7,520,572	7,401,821	7,401,821	7,450,821	7,450,821
12/31/2009	6,515,923	7,293,853	8,861,484	8,980,255	8,885,741	8,877,591	8,805,994	8,829,750	8,833,309	8,833,309	
12/31/2010	7,165,961	8,624,516	10,319,979	10,403,977	10,700,973	10,530,937	10,486,321	10,484,377	10,484,377		
12/31/2011	6,869,010	7,909,904	8,771,702	9,287,381	9,167,732	9,019,138	8,957,329	8,844,656			
12/31/2012	4,808,486	6,082,740	7,123,457	7,430,014	7,478,687	7,439,147	7,378,280				
12/31/2013	5,276,794	6,270,021	7,096,192	7,057,264	6,940,634	6,947,707					
12/31/2014	4,988,998	5,952,292	6,355,184	6,521,458	6,518,864						
12/31/2015	5,224,079	5,537,235	6,263,232	6,755,984							
12/31/2016	3,868,575	5,202,920	6,940,214								
12/31/2017	4,055,265	5,550,470									
12/31/2018	3,982,612										

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

LOCAL PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.998	1.012	1.001	1.001	1.002	1.000	0.998	1.000			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.014	0.997	1.000 *			
12/31/2001	1.000	1.004	0.995	0.998	0.997	1.011	1.003 *	1.000 *			
12/31/2002	1.001	1.001	1.011	0.991	1.000	0.999 *	1.003 *	1.000 *			
12/31/2003	0.999	1.000	1.001	0.999	0.999 *	0.999 *	1.003 *	1.000 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	0.999	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	1.004	0.996	0.998 @	1.008 @	0.998 @	1.000 @			
Best 3/5	1.000	1.000	1.002	0.999	0.999 *	1.003 *	1.001 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2015				0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2016			1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2017		1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2018	1.242	1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.982
12/31/2015	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.980
12/31/2016	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.022
12/31/2017	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.170
12/31/2018	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.454

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	357,147	246,142	223,437	219,338	221,172	221,172	221,172	221,172	221,172	221,172	221,172
12/31/2000	313,656	527,947	556,053	475,991	500,991	490,335	486,335	487,335	487,335	486,335	521,335
12/31/2001	278,206	352,745	423,834	497,226	463,174	463,174	453,174	453,174	453,174	466,578	466,578
12/31/2002	396,353	425,131	379,361	487,852	474,098	435,359	435,358	435,358	435,358	435,358	435,358
12/31/2003	136,107	223,208	194,856	249,570	167,177	98,892	100,392	75,291	75,291	75,291	75,291
12/31/2004	426,879	386,565	768,260	1,012,432	611,871	613,151	590,752	590,751	590,751	590,751	590,751
12/31/2005	535,698	701,320	1,015,466	911,971	807,001	889,418	889,417	889,467	889,467	890,096	890,096
12/31/2006	402,493	741,418	759,635	666,429	694,212	693,655	693,655	693,655	693,655	693,655	693,655
12/31/2007	355,039	497,801	855,370	821,579	771,410	761,510	761,510	767,510	767,510	767,510	761,510
12/31/2008	525,801	362,912	467,874	427,853	351,603	368,464	367,964	367,964	367,964	367,964	367,964
12/31/2009	266,620	294,750	308,023	241,039	337,719	338,719	338,619	338,630	338,619	338,619	
12/31/2010	428,140	317,606	396,643	284,143	289,473	289,473	289,473	283,473	283,473		
12/31/2011	377,122	632,936	765,902	820,402	827,902	811,503	898,003	898,003			
12/31/2012	330,321	456,809	556,018	580,856	715,382	669,186	669,186				
12/31/2013	324,760	426,869	456,567	606,205	621,994	521,520					
12/31/2014	856,109	1,073,449	956,310	1,139,407	1,089,407						
12/31/2015	602,349	778,768	834,080	1,028,194							
12/31/2016	426,205	566,004	827,794								
12/31/2017	448,173	1,292,407									
12/31/2018	387,906										

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

LOCAL PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	0.689	0.908	0.982	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.683	1.053	0.856	1.053	0.979	0.992	1.002	1.000	0.998	1.072	0.968
12/31/2001	1.268	1.202	1.173	0.932	1.000	0.978	1.000	1.000	1.030	1.000	1.000
12/31/2002	1.073	0.892	1.286	0.972	0.918	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.640	0.873	1.281	0.670	0.592	1.015	0.750	1.000	1.000	1.000	1.000
12/31/2004	0.906	1.987	1.318	0.604	1.002	0.963	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.309	1.448	0.898	0.885	1.102	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	1.842	1.025	0.877	1.042	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.402	1.718	0.960	0.939	0.987	1.000	1.008	1.000	1.000	0.992	1.000
12/31/2008	0.690	1.289	0.914	0.822	1.048	0.999	1.000	1.000	1.000	1.000	
12/31/2009	1.106	1.045	0.783	1.401	1.003	1.000	1.000	1.000	1.000		
12/31/2010	0.742	1.249	0.716	1.019	1.000	1.000	0.979	1.000			
12/31/2011	1.678	1.210	1.071	1.009	0.980	1.107	1.000				
12/31/2012	1.383	1.217	1.045	1.232	0.935	1.000					
12/31/2013	1.314	1.070	1.328	1.026	0.838						
12/31/2014	1.254	0.891	1.191	0.956							
12/31/2015	1.293	1.071	1.233								
12/31/2016	1.328	1.463									
12/31/2017	2.884										
3 Yr Mean	1.835	1.142	1.251	1.071	0.918	1.036	0.993	1.000	1.000	0.997	1.000
Best 3/5	1.312	1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.000	1.120	1.000	1.000	1.000	1.000	1.000	1.004			
12/31/2000	1.001	1.131	0.981	1.011	0.998	0.993	0.966	0.999 *			
12/31/2001	0.994	1.090	1.000	0.950	0.991	1.176	0.999 *	0.999 *			
12/31/2002	1.000	1.000	0.983	1.000	1.000	0.999 *	0.999 *	0.999 *			
12/31/2003	1.000	1.000	1.000	1.088	1.004 *	0.999 *	0.999 *	0.999 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	0.994	1.013	0.996 @	1.056 @	0.983 @	1.004 @			
Best 3/5	1.000	1.000	0.994	1.004	0.999 *	0.999 *	0.999 *	0.999 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015				1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016			1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017		1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018	1.312	1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.962
12/31/2015	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.980
12/31/2016	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.141
12/31/2017	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.277
12/31/2018	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.676

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

Allocated Expenses as of:

<u>A.Y.E</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	778,081	1,683,697	2,225,782	3,069,536	3,437,968	3,442,907	3,541,657	3,934,735	3,931,369	3,968,930	3,979,748
12/31/2000	1,045,243	1,520,295	2,429,255	3,731,523	4,469,662	4,828,234	4,977,128	4,920,617	4,961,264	4,979,456	5,005,127
12/31/2001	934,953	1,971,556	3,436,205	4,320,115	5,433,123	5,931,830	6,835,823	7,087,364	7,340,810	7,177,505	7,333,670
12/31/2002	1,614,509	2,423,104	3,765,270	4,502,974	5,508,908	5,847,872	5,968,163	6,118,858	6,181,039	6,184,554	6,282,700
12/31/2003	739,154	1,535,315	2,390,516	3,072,303	3,908,152	4,276,475	4,454,629	4,432,746	4,441,994	4,477,242	4,551,208
12/31/2004	683,625	1,429,228	2,426,622	3,084,970	3,618,994	3,825,965	3,968,670	4,110,763	4,108,705	4,107,920	4,108,665
12/31/2005	535,061	1,209,728	2,207,724	2,754,521	3,885,922	3,193,301	3,318,523	3,328,446	3,324,675	3,305,488	3,305,518
12/31/2006	652,567	1,564,105	2,661,008	3,729,388	4,330,201	4,747,517	4,855,758	4,812,874	4,846,184	4,841,505	4,841,505
12/31/2007	627,439	1,484,311	2,776,866	3,352,762	3,947,746	4,209,996	4,404,857	4,243,255	4,281,515	4,277,394	4,279,530
12/31/2008	563,620	1,274,355	2,586,309	3,123,872	3,357,018	3,471,156	3,542,133	3,572,329	3,586,603	3,590,643	3,590,643
12/31/2009	585,015	1,497,728	3,302,450	3,339,250	3,961,355	3,918,666	3,929,406	3,943,062	3,941,217	3,951,547	
12/31/2010	917,867	1,834,899	3,240,511	4,548,548	5,658,899	5,851,891	5,786,418	5,793,827	5,816,358		
12/31/2011	717,665	1,345,682	2,434,473	3,596,587	4,155,193	4,485,469	4,636,342	4,649,481			
12/31/2012	573,328	1,514,295	3,204,137	4,066,515	4,481,390	4,839,973	4,930,584				
12/31/2013	919,825	2,006,991	3,279,382	4,322,482	4,947,403	5,416,463					
12/31/2014	750,099	1,411,700	2,243,492	2,705,567	2,943,701						
12/31/2015	539,990	1,048,895	1,792,918	2,558,970							
12/31/2016	457,616	1,166,998	2,266,878								
12/31/2017	484,595	1,390,207									
12/31/2018	634,766										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	4,011,271	4,025,072	4,216,013	4,246,726	4,194,975	4,210,736	4,224,824	4,225,201	4,225,202
12/31/2000	5,404,432	5,169,291	5,239,408	5,292,147	5,354,338	5,377,591	5,420,969	5,465,151	
12/31/2001	7,438,804	7,607,614	7,717,841	7,860,860	8,044,771	8,181,952	8,241,025		
12/31/2002	6,335,393	6,399,152	6,404,975	6,670,033	6,441,505	6,454,006			
12/31/2003	4,531,498	4,531,498	4,529,391	4,579,391	4,571,628				
12/31/2004	4,105,865	4,128,532	4,125,411	4,125,739					
12/31/2005	3,305,518	3,335,965	3,359,026						
12/31/2006	4,841,505	4,841,645							
12/31/2007	4,278,597								

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

	Increments												
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	905,616	542,085	843,754	368,432	4,939	98,750	393,078	-3,366	37,561	10,818	31,523	13,801	190,941
12/31/2000	475,052	908,960	1,302,268	738,139	358,572	148,894	-56,511	40,647	18,192	25,671	399,305	-235,141	70,117
12/31/2001	1,036,603	1,464,649	883,910	1,113,008	498,707	903,993	251,541	253,446	-163,305	156,165	105,134	168,810	110,227
12/31/2002	808,595	1,342,166	737,704	1,005,934	338,964	120,291	150,695	62,181	3,515	98,146	52,693	63,759	5,823
12/31/2003	796,161	855,201	681,787	835,849	368,323	178,154	-21,883	9,248	35,248	73,966	-19,710	0	-2,107
12/31/2004	745,603	997,394	658,348	534,024	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	-3,121
12/31/2005	674,667	997,996	546,797	1,131,401	-692,621	125,222	9,923	-3,771	-19,187	30	0	30,447	23,061
12/31/2006	911,538	1,096,903	1,068,380	600,813	417,316	108,241	-42,884	33,310	-4,679	0	0	140	
12/31/2007	856,872	1,292,555	575,896	594,984	262,250	194,861	-161,602	38,260	-4,121	2,136	-933		
12/31/2008	710,735	1,311,954	537,563	233,146	114,138	70,977	30,196	14,274	4,040	0			
12/31/2009	912,713	1,804,722	36,800	622,105	-42,689	10,740	13,656	-1,845	10,330				
12/31/2010	917,032	1,405,612	1,308,037	1,110,351	192,992	-65,473	7,409	22,531					
12/31/2011	628,017	1,088,791	1,162,114	558,606	330,276	150,873	13,139						
12/31/2012	940,967	1,689,842	862,378	414,875	358,583	90,611							
12/31/2013	1,087,166	1,272,391	1,043,100	624,921	469,060								
12/31/2014	661,601	831,792	462,075	238,134									
12/31/2015	508,905	744,023	766,052										
12/31/2016	709,382	1,099,880											
12/31/2017	905,612												

	Incremental Percentages													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159	
12/31/1999	0.0742	0.0444	0.0692	0.0302	0.0004	0.0081	0.0322	-0.0003	0.0031	0.0009	0.0026	0.0011	0.0157	
12/31/2000	0.0357	0.0684	0.0980	0.0555	0.0270	0.0112	-0.0043	0.0031	0.0014	0.0019	0.0300	-0.0177	0.0053	
12/31/2001	0.0772	0.1090	0.0658	0.0829	0.0371	0.0673	0.0187	0.0189	-0.0122	0.0116	0.0078	0.0126	0.0082	
12/31/2002	0.0470	0.0781	0.0429	0.0585	0.0197	0.0070	0.0088	0.0036	0.0002	0.0057	0.0031	0.0037	0.0003	
12/31/2003	0.0513	0.0551	0.0439	0.0538	0.0237	0.0115	-0.0014	0.0006	0.0023	0.0048	-0.0013	0.0000	-0.0001	
12/31/2004	0.0640	0.0857	0.0566	0.0459	0.0178	0.0123	0.0122	-0.0002	-0.0001	0.0001	-0.0002	0.0019	-0.0003	
12/31/2005	0.0581	0.0859	0.0471	0.0974	-0.0596	0.0108	0.0009	-0.0003	-0.0017	0.0000	0.0000	0.0026	0.0020	
12/31/2006	0.0768	0.0925	0.0901	0.0506	0.0352	0.0091	-0.0036	0.0028	-0.0004	0.0000	0.0000	0.0000		
12/31/2007	0.0666	0.1005	0.0448	0.0463	0.0204	0.0151	-0.0126	0.0030	-0.0003	0.0002	-0.0001			
12/31/2008	0.0554	0.1023	0.0419	0.0182	0.0089	0.0055	0.0024	0.0011	0.0003	0.0000				
12/31/2009	0.0703	0.1390	0.0028	0.0479	-0.0033	0.0008	0.0011	-0.0001	0.0008					
12/31/2010	0.0607	0.0930	0.0866	0.0735	0.0128	-0.0043	0.0005	0.0015						
12/31/2011	0.0439	0.0761	0.0812	0.0390	0.0231	0.0105	0.0009							
12/31/2012	0.0791	0.1421	0.0725	0.0349	0.0302	0.0076								
12/31/2013	0.0976	0.1143	0.0937	0.0561	0.0421									
12/31/2014	0.0682	0.0858	0.0476	0.0246										
12/31/2015	0.0438	0.0640	0.0659											
12/31/2016	0.0525	0.0813												
12/31/2017	0.0620													

Best 3/5	0.0609	0.0938	0.0732	0.0433	0.0220	0.0047	0.0008	0.0018	-0.0001	0.0000	-0.0001	0.0015	0.0007
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LOCAL PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>Link Ratios</u> <u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1999	1.007	0.988	1.004	1.003	1.000	1.000	1.019 *
12/31/2000	1.010	1.012	1.004	1.008	1.008	1.005 *	1.019 *
12/31/2001	1.019	1.023	1.017	1.007	1.005 *	1.005 *	1.019 *
12/31/2002	1.041	0.966	1.002	1.003 *	1.005 *	1.005 *	1.019 *
12/31/2003	1.011	0.998	0.999 *	1.003 *	1.005 *	1.005 *	1.019 *
12/31/2004	1.000						
Best 3/5	1.013	0.999	1.003 *	1.005 *	1.005 *	1.005 *	1.019 *

171 to Ultimate Factor: 1.050

<u>Months-to-Ultimate</u>	<u>Cumulative Incremental Factors</u>						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.303	0.242	0.148	0.075	0.031	0.009	0.005
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.004	0.002	0.002	0.002	0.002	0.001	0.000

<u>A.Y.E</u>	<u>Reported ALAE</u> <u>as of 3/31/19</u>	<u>\$500,000</u> <u>Ultimate Indemnity</u>	<u>ALAE</u> <u>Factor</u>	<u>Additional</u> <u>ALAE</u>	<u>ALAE at</u> <u>171 Months</u>	<u>171-Ultimate</u> <u>Factor</u>	<u>Ultimate</u> <u>ALAE</u>
12/31/2016	2,509,692	15,512,724	0.148	2,295,882	4,805,574	1.050	5,045,702
12/31/2017	1,295,863	15,939,944	0.242	3,857,468	5,153,331	1.050	5,410,843
12/31/2018	453,054	9,717,099	0.303	2,944,277	3,397,331	1.050	3,567,056

* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	1,572,065	1,987,939	2,042,232	2,211,684	2,206,231	2,199,548	2,303,744	2,276,465	2,293,317	2,238,872	2,256,844
12/31/2000	2,115,148	2,324,418	2,530,971	2,623,392	2,812,834	3,161,406	3,018,819	3,039,295	3,201,971	3,281,154	3,289,070
12/31/2001	1,627,013	1,654,011	1,972,348	2,039,048	1,900,818	1,952,852	2,119,627	2,292,203	2,299,929	2,337,585	2,345,731
12/31/2002	1,530,717	1,727,573	1,876,362	1,886,504	1,836,568	1,863,842	1,922,590	1,938,029	1,988,648	1,998,770	2,063,155
12/31/2003	1,321,533	1,887,161	2,163,441	2,172,909	2,449,305	2,450,817	2,487,331	2,501,397	2,506,543	2,547,183	2,557,986
12/31/2004	2,137,719	2,399,596	2,432,571	2,373,608	2,438,915	2,430,493	2,374,120	2,402,603	2,423,452	2,431,935	2,426,902
12/31/2005	2,865,381	3,103,309	3,333,662	3,422,623	3,483,267	3,365,079	3,378,435	3,424,923	3,434,293	3,428,003	3,428,281
12/31/2006	3,072,125	3,517,399	3,516,881	3,550,710	3,565,561	3,714,164	3,722,919	3,896,127	3,943,556	4,000,352	4,013,426
12/31/2007	2,844,645	2,853,095	2,933,768	3,269,723	3,545,542	3,514,845	3,597,290	3,574,891	3,567,151	3,540,362	3,549,074
12/31/2008	3,600,421	3,870,935	3,993,658	4,085,032	4,277,221	4,524,770	4,780,726	5,135,464	5,377,606	5,432,551	5,399,596
12/31/2009	3,534,085	3,753,341	3,751,263	3,780,076	3,763,549	3,990,026	3,999,860	4,145,232	4,210,482	4,240,123	
12/31/2010	4,401,926	4,575,257	4,861,935	4,838,710	4,442,350	4,679,912	4,681,113	4,616,073	4,635,092		
12/31/2011	4,091,786	4,327,021	4,618,039	4,544,531	4,651,918	4,844,335	4,801,436	4,878,153			
12/31/2012	3,868,440	4,015,567	3,840,908	3,695,235	3,852,599	3,849,831	3,901,446				
12/31/2013	3,562,555	3,598,755	4,135,664	4,002,305	4,028,293	4,107,933					
12/31/2014	3,323,473	3,533,086	3,456,269	3,653,060	3,622,449						
12/31/2015	4,560,156	4,854,521	5,463,196	5,478,878							
12/31/2016	4,374,337	4,459,644	4,829,183								
12/31/2017	4,261,821	4,407,193									
12/31/2018	4,851,824										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/1999	2,269,121	2,294,943	2,305,226	2,279,715	2,344,614	2,345,815	2,343,314	2,343,314	2,347,988		
12/31/2000	3,295,715	3,288,963	3,292,462	3,285,460	3,285,459	3,283,459	3,283,459	3,283,459			
12/31/2001	2,333,120	2,290,449	2,295,943	2,297,122	2,309,129	2,309,129	2,309,128				
12/31/2002	2,045,051	2,110,693	2,107,568	2,116,168	2,133,461	2,132,211					
12/31/2003	2,598,043	2,580,329	2,566,579	2,589,074	2,589,074						
12/31/2004	2,402,124	2,408,903	2,521,395	2,506,394							
12/31/2005	3,422,181	3,407,940	3,407,940								
12/31/2006	4,065,946	4,050,802									
12/31/2007	3,551,076										

LOCAL PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.265	1.027	1.083	0.998	0.997	1.047	0.988	1.007	0.976	1.008	1.005
12/31/2000	1.099	1.089	1.037	1.072	1.124	0.955	1.007	1.054	1.025	1.002	1.002
12/31/2001	1.017	1.192	1.034	0.932	1.027	1.085	1.081	1.003	1.016	1.003	0.995
12/31/2002	1.129	1.086	1.005	0.974	1.015	1.032	1.008	1.026	1.005	1.032	0.991
12/31/2003	1.428	1.146	1.004	1.127	1.001	1.015	1.006	1.002	1.016	1.004	1.016
12/31/2004	1.123	1.014	0.976	1.028	0.997	0.977	1.012	1.009	1.004	0.998	0.990
12/31/2005	1.083	1.074	1.027	1.018	0.966	1.004	1.014	1.003	0.998	1.000	0.998
12/31/2006	1.145	1.000	1.010	1.004	1.042	1.002	1.047	1.012	1.014	1.003	1.013
12/31/2007	1.003	1.028	1.115	1.084	0.991	1.023	0.994	0.998	0.992	1.002	1.001
12/31/2008	1.075	1.032	1.023	1.047	1.058	1.057	1.074	1.047	1.010	0.994	
12/31/2009	1.062	0.999	1.008	0.996	1.060	1.002	1.036	1.016	1.007		
12/31/2010	1.039	1.063	0.995	0.918	1.053	1.000	0.986	1.004			
12/31/2011	1.057	1.067	0.984	1.024	1.041	0.991	1.016				
12/31/2012	1.038	0.957	0.962	1.043	0.999	1.013					
12/31/2013	1.010	1.149	0.968	1.006	1.020						
12/31/2014	1.063	0.978	1.057	0.992							
12/31/2015	1.065	1.125	1.003								
12/31/2016	1.020	1.083									
12/31/2017	1.034										

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

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

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

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

Best 3/5 0.998 1.000 1.001 1.004 1.000 * 1.000 * 1.000 * 1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2015				1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2016			0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2017		1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2018	1.039	1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	120,168	311,306	312,394	277,393	303,006	287,030	267,972	267,474	274,472	267,472	267,472
12/31/2000	150,416	248,134	188,848	196,780	189,280	253,280	237,878	257,878	215,285	215,285	215,285
12/31/2001	208,337	185,152	211,169	225,824	225,824	216,726	265,726	270,726	265,727	267,726	365,726
12/31/2002	119,421	133,880	171,299	184,812	251,892	369,610	483,705	465,706	502,946	539,631	567,026
12/31/2003	298,214	270,546	283,673	398,283	518,855	600,389	644,503	716,619	797,603	987,207	1,083,677
12/31/2004	267,359	144,698	230,234	354,867	441,630	632,353	616,235	904,464	1,008,422	1,087,637	1,296,374
12/31/2005	171,817	242,042	293,021	372,892	413,788	517,693	577,501	578,079	622,969	1,071,187	1,185,450
12/31/2006	278,672	268,892	383,670	529,121	648,904	746,115	720,042	744,136	932,230	1,066,447	970,261
12/31/2007	336,478	539,242	569,442	510,576	480,010	471,031	474,898	571,898	569,048	565,826	565,826
12/31/2008	281,982	200,447	330,593	329,110	331,110	329,110	429,110	429,110	422,611	442,611	513,281
12/31/2009	177,301	176,935	144,535	143,435	143,535	250,348	250,248	350,248	350,248	350,918	
12/31/2010	258,564	260,233	259,733	263,829	357,829	357,829	357,829	357,829	357,829		
12/31/2011	280,389	309,310	282,139	303,639	281,728	291,728	283,728	283,728			
12/31/2012	261,577	237,466	244,631	252,528	238,888	263,888	268,902				
12/31/2013	484,229	529,028	523,333	708,674	689,763	739,763					
12/31/2014	399,307	500,486	493,548	589,554	564,554						
12/31/2015	651,157	644,581	623,070	644,969							
12/31/2016	899,662	1,029,846	1,085,929								
12/31/2017	827,278	1,120,224									
12/31/2018	1,186,664										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	267,472	267,472	267,472	267,472	267,472	267,472	267,472	267,472	267,472
12/31/2000	215,285	215,285	215,285	215,285	215,285	215,285	215,285	215,285	
12/31/2001	365,727	365,726	365,726	365,726	365,726	365,726	365,726		
12/31/2002	566,252	561,006	561,362	567,567	567,567	580,067			
12/31/2003	1,277,496	1,297,868	1,219,478	1,168,621	1,170,312				
12/31/2004	1,288,735	1,183,053	1,176,984	1,176,939					
12/31/2005	1,174,440	1,184,550	1,153,446						
12/31/2006	943,991	917,548							
12/31/2007	565,826								

LOCAL PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	2.591	1.003	0.888	1.092	0.947	0.934	0.998	1.026	0.974	1.000	1.000
12/31/2000	1.650	0.761	1.042	0.962	1.338	0.939	1.084	0.835	1.000	1.000	1.000
12/31/2001	0.889	1.141	1.069	1.000	0.960	1.226	1.019	0.982	1.008	1.366	1.000
12/31/2002	1.121	1.279	1.079	1.363	1.467	1.309	0.963	1.080	1.073	1.051	0.999
12/31/2003	0.907	1.049	1.404	1.303	1.157	1.073	1.112	1.113	1.238	1.098	1.179
12/31/2004	0.541	1.591	1.541	1.244	1.432	0.975	1.468	1.115	1.079	1.192	0.994
12/31/2005	1.409	1.211	1.273	1.110	1.251	1.116	1.001	1.078	1.719	1.107	0.991
12/31/2006	0.965	1.427	1.379	1.226	1.150	0.965	1.033	1.253	1.144	0.910	0.973
12/31/2007	1.603	1.056	0.897	0.940	0.981	1.008	1.204	0.995	0.994	1.000	1.000
12/31/2008	0.711	1.649	0.996	1.006	0.994	1.304	1.000	0.985	1.047	1.160	
12/31/2009	0.998	0.817	0.992	1.001	1.744	1.000	1.400	1.000	1.002		
12/31/2010	1.006	0.998	1.016	1.356	1.000	1.000	1.000	1.000			
12/31/2011	1.103	0.912	1.076	0.928	1.035	0.973	1.000				
12/31/2012	0.908	1.030	1.032	0.946	1.105	1.019					
12/31/2013	1.093	0.989	1.354	0.973	1.072						
12/31/2014	1.253	0.986	1.195	0.958							
12/31/2015	0.990	0.967	1.035								
12/31/2016	1.145	1.054									
12/31/2017	1.354										
3 Yr Mean	1.163	1.002	1.195	0.959	1.071	0.997	1.133	0.995	1.014	1.023	0.988
Best 3/5	1.164	1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2002	0.991	1.001	1.011	1.000	1.022	1.000 *	1.000 *	1.000 *			
12/31/2003	1.016	0.940	0.958	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	0.918	0.995	1.000								
12/31/2005	1.009	0.974									
12/31/2006	0.972										
3 Yr Mean	0.966	0.970	0.990	1.000	1.007 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.991	0.990	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2015				0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2016			1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2017		1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2018	1.164	1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

Allocated Expenses as of:

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

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	1,537,925	1,607,394	1,767,931	1,890,569	1,907,615	1,908,341	1,908,403	1,908,403	1,908,403
12/31/2000	2,787,050	2,899,751	2,965,261	2,912,071	2,936,607	2,961,607	2,956,072	2,956,268	
12/31/2001	2,273,390	2,360,582	2,388,452	2,478,063	2,704,552	2,704,552	2,704,552		
12/31/2002	1,528,483	1,801,105	1,959,947	1,990,934	1,990,659	1,990,659			
12/31/2003	1,763,964	1,818,157	1,841,439	1,885,380	1,885,380				
12/31/2004	1,077,537	1,084,479	1,114,207	1,114,207					
12/31/2005	1,335,545	1,211,377	1,222,969						
12/31/2006	2,220,899	2,259,651							
12/31/2007	2,845,553								

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

Increments													
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	161,105	266,151	163,518	62,982	84,223	132,636	68,211	111,014	73,358	120,289	118,476	69,469	160,537
12/31/2000	197,665	225,216	155,850	222,986	255,866	419,851	219,256	173,832	299,833	170,494	149,375	112,701	65,510
12/31/2001	92,729	210,561	226,205	144,181	235,542	444,380	330,783	-49,460	179,469	114,625	128,637	87,192	27,870
12/31/2002	155,116	179,950	272,461	60,739	95,740	78,556	24,791	4	197,339	190,323	91,891	272,622	158,842
12/31/2003	611,815	312,320	158,172	153,758	37,017	58,702	87,221	73,445	101,917	82,130	25,354	54,193	23,282
12/31/2004	154,379	164,358	197,171	123,645	169,539	20,102	21,414	31,422	8,181	25,003	-4,981	6,942	29,728
12/31/2005	86,115	298,669	192,073	52,753	88,530	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	11,592
12/31/2006	237,110	283,431	308,458	289,686	346,759	81,771	299,529	22,455	89,940	-1,516	99,489	38,752	
12/31/2007	499,335	359,490	717,914	333,604	401,504	-39,944	233,131	69,952	-20,603	-126,765	884		
12/31/2008	576,623	474,093	1,062,929	967,939	2,211,021	2,501,507	1,423,783	-14,712	-595,988	-497,969			
12/31/2009	489,114	134,736	31,978	157,857	71,131	310,817	181,993	24,727	11,477				
12/31/2010	210,616	319,584	358,396	106,224	163,206	205,883	151,193	25,814					
12/31/2011	336,011	376,815	380,904	309,003	20,101	27,610	120,141						
12/31/2012	270,777	357,603	140,211	197,492	184,480	111,370							
12/31/2013	143,225	254,590	218,040	223,149	192,842								
12/31/2014	221,349	218,255	187,179	195,289									
12/31/2015	433,462	363,277	276,112										
12/31/2016	307,115	327,837											
12/31/2017	263,442												

Incremental Percentages													
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.0569	0.0939	0.0577	0.0222	0.0297	0.0468	0.0241	0.0392	0.0259	0.0425	0.0418	0.0245	0.0567
12/31/2000	0.0470	0.0535	0.0370	0.0530	0.0608	0.0998	0.0521	0.0413	0.0713	0.0405	0.0355	0.0268	0.0156
12/31/2001	0.0296	0.0672	0.0722	0.0460	0.0751	0.1417	0.1055	-0.0158	0.0572	0.0366	0.0410	0.0278	0.0089
12/31/2002	0.0727	0.0844	0.1278	0.0285	0.0449	0.0368	0.0116	0.0000	0.0925	0.0892	0.0431	0.1278	0.0745
12/31/2003	0.2233	0.1140	0.0577	0.0561	0.0135	0.0214	0.0318	0.0268	0.0372	0.0300	0.0093	0.0198	0.0085
12/31/2004	0.0542	0.0577	0.0692	0.0434	0.0595	0.0071	0.0075	0.0110	0.0029	0.0088	-0.0017	0.0024	0.0104
12/31/2005	0.0220	0.0762	0.0490	0.0135	0.0226	0.0166	0.0316	-0.0014	-0.0002	0.0011	0.0452	-0.0317	0.0030
12/31/2006	0.0496	0.0593	0.0646	0.0606	0.0726	0.0171	0.0627	0.0047	0.0188	-0.0003	0.0208	0.0081	
12/31/2007	0.1070	0.0770	0.1539	0.0715	0.0861	-0.0086	0.0500	0.0150	-0.0044	-0.0272	0.0002		
12/31/2008	0.0943	0.0775	0.1738	0.1583	0.3616	0.4091	0.2328	-0.0024	-0.0975	-0.0814			
12/31/2009	0.1092	0.0301	0.0071	0.0353	0.0159	0.0694	0.0406	0.0055	0.0026				
12/31/2010	0.0418	0.0634	0.0711	0.0211	0.0324	0.0409	0.0300	0.0051					
12/31/2011	0.0582	0.0652	0.0660	0.0535	0.0035	0.0048	0.0208						
12/31/2012	0.0602	0.0795	0.0312	0.0439	0.0410	0.0248							
12/31/2013	0.0325	0.0577	0.0494	0.0506	0.0437								
12/31/2014	0.0447	0.0441	0.0378	0.0394									
12/31/2015	0.0606	0.0508	0.0386										
12/31/2016	0.0556	0.0593											
12/31/2017	0.0425												

Best 3/5	0.0476	0.0559	0.0419	0.0447	0.0298	0.0450	0.0402	0.0051	-0.0007	-0.0088	0.0101	0.0101	0.0093
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LOCAL PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	Link Ratios <u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1999	1.069	1.009	1.000	1.000	1.000	1.000	1.000 *
12/31/2000	0.982	1.008	1.009	0.998	1.000	1.000 *	1.000 *
12/31/2001	1.038	1.091	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2002	1.016	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.024	1.000	1.003 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000						
Best 3/5	1.013	1.006	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.020

	Cumulative Incremental Factors						
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.330	0.283	0.227	0.185	0.140	0.110	0.065
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.025	0.020	0.021	0.029	0.019	0.009	0.000

<u>A.Y.E</u>	Reported ALAE <u>as of 3/31/19</u>	\$500,000 <u>Ultimate Indemnity</u>	ALAE <u>Factor</u>	Additional <u>ALAE</u>	ALAE at <u>171 Months</u>	171-Ultimate <u>Factor</u>	Ultimate <u>ALAE</u>
12/31/2016	1,038,405	6,508,581	0.227	1,477,453	2,515,858	1.020	2,566,027
12/31/2017	751,342	6,878,888	0.283	1,946,730	2,698,072	1.020	2,751,903
12/31/2018	468,262	6,885,795	0.330	2,272,314	2,740,576	1.020	2,795,243

* Calculated Using Modified Bondy Method

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

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

Notes: All dollar amounts are displayed in thousands.

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

LOCAL PRODUCTS / COMPLETED OPERATIONS TREND SUMMARY

(1) <u>EXPOSURE TREND</u>	<u>LOCAL PRODUCTS</u>	<u>COMPLETED OPERATIONS</u>	<u>LOCAL PRODUCTS / COMPLETED OPERATIONS COMBINED</u>
Average Annual Percent Change			
a) 7/1/2016 to 7/1/2021 AYE 12/31/2016	+ 1.3%	+ 2.7%	+ 2.6%
b) 7/1/2017 to 7/1/2021 AYE 12/31/2017	+ 1.4%	+ 2.6%	+ 2.5%
c) 7/1/2018 to 7/1/2021 AYE 12/31/2018	+ 1.3%	+ 2.2%	+ 2.1%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 5.7%	+ 3.5%	
Eight Years	+ 6.7%	+ 5.4%	
Six Years	+ 9.2%	+ 4.3%	
b) Selected	+ 4.0%	+ 4.5%	
(3) <u>FREQUENCY TREND</u>			
Selected	- 0.5%		

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

LOCAL PRODUCTS / COMPLETED OPERATIONS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 12/31/2016, 12/31/2017 & 12/31/2018

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

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

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OCCURRENCE SEVERITY TREND

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

Bodily Injury

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

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

Average Annual Severity Trend (10 yr) + 5.7%

Average Annual Severity Trend (8 yr) + 6.7%

Average Annual Severity Trend (6 yr) + 9.2%

Selected Annual Severity Trend + 4.0%

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

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

(See Section B - Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND

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

Property Damage

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Paid <u>Occurrences</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2009	\$171,599,073	5,363	\$31,997	\$27,870		
12/31/2010	162,088,894	5,596	28,965	28,832		
12/31/2011	143,780,168	5,451	26,377	29,827	\$27,455	
12/31/2012	138,274,454	4,775	28,958	30,856	28,935	
12/31/2013	125,890,106	4,034	31,207	31,922	30,495	\$31,484
12/31/2014	120,542,044	3,736	32,265	33,023	32,140	32,847
12/31/2015	130,180,780	3,786	34,385	34,163	33,873	34,268
12/31/2016	140,771,027	3,764	37,399	35,343	35,699	35,752
12/31/2017	136,155,412	3,595	37,874	36,563	37,624	37,299
12/31/2018	135,142,338	3,604	37,498	37,825	39,652	38,914
Goodness of Fit Statistic, R-Squared:				0.684	0.938	0.886
Average Annual Severity Trend (10 yr)				+ 3.5%		
Average Annual Severity Trend (8 yr)				+ 5.4%		
Average Annual Severity Trend (6 yr)				+ 4.3%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B - Explanation of Trend Calculation).

LOCAL PRODUCTS/COMPLETED OPERATIONS

FREQUENCY TREND MULTISTATE

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

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency <u>(3)/(2)²</u>
12/31/2005	\$ 263,801,627	7,217	27.36
12/31/2006	281,792,381	7,723	27.41
12/31/2007	281,008,214	7,678	27.32
12/31/2008	272,513,895	8,121	29.80
12/31/2009	260,718,485	8,145	31.24
12/31/2010	250,758,243	8,695	34.67
12/31/2011	252,148,652	8,334	33.05
12/31/2012	253,424,520	7,887	31.12
12/31/2013	255,938,198	7,534	29.44
12/31/2014	261,472,662	6,893	26.36
12/31/2015	270,738,295	6,705	24.77
12/31/2016	285,133,839	6,714	23.55
12/31/2017	297,471,141	6,484	21.80
12/31/2018	297,800,338	6,284	21.10

Selected Annual Frequency Trend: - 0.5%

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

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

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

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

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

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

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

K = The number of classes within the class group.

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

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

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

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

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

$\tilde{X}_{\text{monoline}}$ (X - tilde monoline) is weighted based on monoline / multiline ALCCL for the latest year only.

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

Change Factor = (Index) (Class Group Relative Change) (SWRL) (Off balance factor)
where "SWRL" equals the selected state monoline loss cost level change.
The off balance factor of 1.001 results from capping.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 01

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .962 * 1.127

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
10100	178154	778337	1.16995	.2309	1.016	1.029	1.116	10.9	0.064	0.071
10145	71938	500346	.47646	.1847	.879	.891	.966	0.0	0.014	0.014
10146	24904	220214	.66245	.1321	.930	.942	1.021	4.2	0.024	0.025
10352	37825	188072	.56361	.1256	.919	.931	1.009	1.2	0.084	0.085
11039	408960	1895071	1.01065	.3736	.985	.998	1.082	8.5	0.082	0.089
11258	14689	76825	.28525	.1024	.900	.912	.989	-1.1	0.178	0.176
11259	95	1948	.00000	.0861	.887	.899	.975	-2.4	0.168	0.164
11288	97081	400280	1.02099	.1666	.979	.992	1.076	7.2	0.111	0.119
12374	440800	1275302	.96029	.3017	.967	.980	1.062	6.7	0.105	0.112
12375	133076	730975	.94732	.2234	.965	.978	1.060	7.1	0.042	0.045
13673	260042	1872355	1.31428	.3713	1.098	1.112	1.206	21.4	0.014	0.017
13720	29427	155637	.69308	.1190	.937	.949	1.029	2.6	0.076	0.078
14401	39232	203843	1.05317	.1288	.981	.994	1.078	8.2	0.098	0.106
15224	104727	542986	.76765	.1921	.931	.943	1.022	2.5	0.081	0.083
16900	577286	2400720	1.14807	.4222	1.045	1.059	1.148	14.7	0.109	0.125
16901	2399807	9558325	.99758	.7245	.990	1.003	1.087	8.4	0.166	0.180
16902	241663	658861	.70561	.2117	.914	.926	1.004	0.7	0.140	0.141
16905								14.7	0.109	0.125
16906								8.4	0.166	0.180
16910	4241661	13505756	.97740	.7862	.976	.989	1.072	7.5	0.106	0.114
16911	215947	926182	1.06307	.2534	.994	1.007	1.092	9.7	0.072	0.079
16915	121006	438194	.92683	.1736	.963	.976	1.058	5.8	0.086	0.091
16916	1118971	4551318	.97359	.5655	.972	.985	1.068	6.8	0.073	0.078
16920	17021	57625	1.50341	.0983	1.023	1.036	1.123	12.2	0.172	0.193
16921	2743	5691	.00000	.0870	.886	.898	.974	-2.3	0.088	0.086
16930	93905	266500	2.20282	.1412	1.144	1.159	1.257	26.2	0.206	0.260
16931	44425	117928	2.60070	.1111	1.151	1.166	1.264	26.0	0.104	0.131
16940	1872	3729	.00000	.0865	.886	.898	.974	-2.3	0.088	0.086
16941	36715	79022	.50612	.1029	.923	.935	1.014	1.3	0.157	0.159
18435	286481	1320539	1.30363	.3075	1.073	1.087	1.178	18.3	0.071	0.084
18436	27303	86674	.00000	.1045	.869	.880	.954	-4.7	0.236	0.225
18501	329649	2023582	.81842	.3867	.912	.924	1.002	0.0	0.014	0.014
45900	117771	443032	.00137	.1744	.801	.812	.880	-11.8	0.102	0.090
49617	418836	1953941	1.28667	.3797	1.090	1.104	1.197	19.5	0.159	0.190
57001	17892	122672	3.02360	.1121	1.200	1.216	1.318	33.3	0.021	0.028

X-TILDE: 1.009 X-TILDE (MONOLINE): .987 PI-TILDE: .0049215
 TAU SQUARED: .03000 SIGMA SQUARED: 123671.51862

L - CAPPED DOWN
 U - CAPPED UP
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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.036 * 1.127

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
10026	6589	38425	.00000	.0655	.966	.865	1.010	0.0	0.022	0.022
10042	910907	6251219	1.18312	.6002	1.123	1.005	1.173	16.2	0.241	0.280
10060	3730	15398	.00000	.0608	.971	.869	1.015	1.1	0.090	0.091
10065	14016	122607	1.53780	.0821	1.075	.962	1.123	11.5	0.026	0.029
10066	3196	15251	.00000	.0608	.971	.869	1.015	1.8	0.057	0.058
10071	460649	2935587	1.11447	.4245	1.068	.956	1.116	11.9	0.084	0.094
10073	13942260	44288461	1.14398	.9112	1.134	1.015	1.185	19.1	0.680	0.810
10075	858	7423	.73515	.0592	1.016	.910	1.062	5.9	0.152	0.161
10107	37534	290896	2.33059	.1137	1.181	1.057	1.234	23.4	0.192	0.237
10115	67975	338952	.69302	.1223	.992	.888	1.037	3.3	0.091	0.094
10309	15543	172799	.15275	.0918	.953	.853	.996	0.0	0.019	0.019
11020	4520	42692	.75579	.0663	1.015	.909	1.061	6.2	0.113	0.120
11127	104811	462700	.96176	.1437	1.023	.916	1.069	10.0	0.010	0.011
11128	31607	190949	1.11939	.0952	1.042	.933	1.089	8.2	0.061	0.066
11204	10993	58044	.04037	.0694	.965	.864	1.009	0.6	1.570	1.580
11234	30151	150836	.26117	.0876	.966	.865	1.010	1.5	0.066	0.067
12014	22845	166956	.12113	.0907	.951	.851	.994	0.0	0.039	0.039
12356	8741	48728	1.06216	.0676	1.036	.927	1.082	8.8	0.034	0.037
12510	8089	37727	.00000	.0653	.966	.865	1.010	0.0	0.030	0.030
12805	575137	4832791	1.05672	.5402	1.046	.936	1.093	8.7	0.080	0.087
13351	503586	4180382	1.38008	.5060	1.209	1.082	1.263	25.8	0.031	0.039
13352	5448	19657	.00000	.0617	.970	.868	1.013	2.3	0.044	0.045
13506	86709	468289	.62822	.1447	.975	.873	1.019	1.5	0.065	0.066
13507	38564	269701	.00792	.1098	.921	.825	.963	-3.8	0.131	0.126
13716	498972	3552476	.88781	.4680	.965	.864	1.009	1.1	0.092	0.093
13759	19843	143685	.01387	.0862	.946	.847	.989	-0.7	0.136	0.135
14101	10791	80358	1.65125	.0739	1.079	.966	1.128	12.2	0.041	0.046
14279	74169	566363	1.01257	.1609	1.030	.922	1.077	7.0	0.043	0.046
14913	58216	328298	1.53801	.1204	1.094	.979	1.143	14.3	0.126	0.144
15538	15089	118019	.05772	.0812	.955	.855	.998	0.0	0.022	0.022
15600	4767	40538	.44958	.0659	.995	.891	1.040	3.7	0.081	0.084
15608	939	4815	.00000	.0587	.973	.871	1.017	0.0	0.011	0.011
15839	26831	182552	.82123	.0936	1.014	.908	1.060	8.0	0.025	0.027
15991	35822	218293	.63096	.1003	.993	.889	1.038	4.0	0.075	0.078
15993	4205	34360	.44290	.0647	.996	.892	1.041	4.9	0.041	0.043
16403	57659	390324	2.71871	.1313	1.255	1.124	1.312	31.6	0.114	0.150
16676	1260	6240	.00000	.0590	.973	.871	1.017	0.0	0.015	0.015

X-TILDE: 1.124 X-TILDE (MONOLINE): 1.117 PI-TILDE: .0025715
 TAU SQUARED: .03415 SIGMA SQUARED: 157296.23342

L - CAPPED DOWN
 U - CAPPED UP
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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.036 * 1.127

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
18078	70310	667877	.05932	.1770	.861	.771	.900	-9.9	0.131	0.118
18109	522	2288	.00000	.0582	.974	.872	1.018	2.7	0.037	0.038
18110	47152	294297	1.40566	.1143	1.076	.963	1.124	12.8	0.039	0.044
18206	360228	2502468	1.30811	.3894	1.141	1.021	1.192	19.0	0.100	0.119
18335	7668	53268	.11868	.0685	.971	.869	1.015	0.0	0.017	0.017
18506	28	288	.00000	.0578	.974	.872	1.018	0.0	0.007	0.007
18507	1035	8667	.00000	.0595	.972	.870	1.016	0.0	0.007	0.007
18708	8866	47282	11.57011	.0673	1.743	1.560	1.821	35.7	0.014	0.019 U
18834	5539	35778	.00000	.0650	.967	.866	1.011	1.0	0.104	0.105
18911	4521	33285	.39583	.0645	.993	.889	1.038	5.3	0.019	0.020
18912	1169	6229	1.13293	.0590	1.040	.931	1.087	10.0	0.030	0.033
18920	416	6337	.34780	.0590	.993	.889	1.038	4.8	0.021	0.022
45819	544793	3173633	1.00352	.4421	1.020	.913	1.066	6.6	0.061	0.065
49618	387	1954	3.33163	.0581	1.167	1.045	1.220	22.2	0.045	0.055
49619	167389	1050425	1.13938	.2327	1.058	.947	1.106	10.1	0.089	0.098

X-TILDE: 1.124 X-TILDE (MONOLINE): 1.117 PI-TILDE: .0025715
 TAU SQUARED: .03415 SIGMA SQUARED: 157296.23342

L - CAPPED DOWN
 U - CAPPED UP
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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 11

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.022 * 1.127

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
92053	0	0	.00000	.0000	.960	1.000	1.152	15.5	0.580	0.670
92054	0	15	.00000	.1250	.840	.846	.974	-3.2	0.310	0.300
92055	280	2731	.00000	.1254	.840	.846	.974	-3.4	0.290	0.280
95124	669185	3842506	1.31302	.4458	1.117	1.125	1.296	28.9	0.760	0.980
98303	85670	378901	.26068	.1722	.839	.845	.973	-2.6	6.810	6.630
98304	2178013	11836238	.93461	.6856	.943	.950	1.094	9.2	2.920	3.190
98305	2392891	12427172	1.14999	.6953	1.092	1.100	1.267	26.5	1.360	1.720
98306	12055	64241	.74540	.1334	.931	.938	1.080	8.3	0.960	1.040
98307	2478	9782	.20272	.1263	.864	.870	1.002	0.0	0.540	0.540
98308	299675	2158718	1.72866	.3397	1.221	1.230	1.417	37.7	0.610	0.840 U
98309	35097	125776	.05990	.1413	.833	.839	.966	-3.3	2.390	2.310
98344	35552	262518	1.64050	.1583	1.068	1.076	1.239	25.0	0.440	0.550
98449	1694121	10789112	1.04392	.6667	1.016	1.023	1.178	17.6	16.500	19.400
98805	252480	999467	1.25894	.2395	1.032	1.039	1.197	20.0	1.400	1.680
98813	406875	2237341	.41192	.3456	.771	.776	.894	-10.6	1.880	1.680
98967	945510	5814643	1.50105	.5336	1.249	1.258	1.449	37.9	5.680	7.830 U
99003	42560	204921	1.00723	.1512	.967	.974	1.122	11.9	1.260	1.410
99826	27081	142820	1.73834	.1434	1.072	1.080	1.244	25.0	0.520	0.650
99827	90934	463028	.44019	.1821	.865	.871	1.003	0.0	0.630	0.630
99948	2265672	12492045	.88095	.6964	.905	.911	1.049	5.0	20.100	21.100
99952	494666	1870736	.84101	.3174	.922	.928	1.069	6.8	17.600	18.800
99953	228228	966401	1.31948	.2362	1.045	1.052	1.212	21.1	11.400	13.800
99954	188000	924485	.57951	.2320	.872	.878	1.011	1.1	9.610	9.720
99955	969489	4097073	.55839	.4589	.776	.781	.900	-10.0	9.490	8.540

X-TILDE: 1.026 X-TILDE (MONOLINE): .993 PI-TILDE: .0073549
 TAU SQUARED: .03000 SIGMA SQUARED: 199138.85973

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

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 12

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.002 * 1.127

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
91111	2070705	10803060	.86609	.5067	.922	.947	1.069	6.9	6.390	6.830
91150	842474	4766220	1.05018	.3262	1.002	1.029	1.162	16.2	4.450	5.170
91155	3852029	19818503	1.11552	.6476	1.067	1.095	1.237	23.6	26.300	32.500
91340	19771723	104200098	.90067	.9041	.908	.932	1.052	5.2	7.460	7.850
91341	8601562	42363499	1.06503	.7945	1.047	1.075	1.214	21.3	3.850	4.670
91342	10463538	50870347	.87745	.8224	.895	.919	1.038	3.7	3.280	3.400
91343	288707	1850374	1.25236	.1816	1.028	1.055	1.191	18.7	1.120	1.330
91436	220416	1251498	.96461	.1439	.977	1.003	1.133	13.2	2.040	2.310
91507	32689	205090	.02892	.0689	.913	.937	1.058	5.9	2.870	3.040
91551	557026	3776370	1.21978	.2832	1.047	1.075	1.214	21.7	0.460	0.560
91555	144028	708920	.52278	.1066	.930	.955	1.078	7.6	1.180	1.270
91560	13086417	61380304	.85666	.8479	.875	.898	1.014	1.4	4.240	4.300
91577	1584973	7484706	1.18757	.4215	1.067	1.095	1.237	23.6	2.540	3.140
91746	2900700	13396689	1.07316	.5576	1.031	1.059	1.196	19.6	4.910	5.870
92101	566836	2906354	1.22391	.2407	1.038	1.066	1.204	20.2	2.520	3.030
92102	373007	2457071	1.64617	.2166	1.123	1.153	1.302	30.1	2.390	3.110
92215	7335082	42823235	.90156	.7962	.917	.941	1.063	6.3	2.520	2.680
92338	3876358	18461428	1.21096	.6318	1.125	1.155	1.304	30.6	1.600	2.090
92446	385392	1413582	.38901	.1545	.887	.911	1.029	2.7	1.460	1.500
92447	45667	237168	.94038	.0714	.976	1.002	1.132	12.9	1.470	1.660
92451	2008898	12634643	1.00746	.5438	.994	1.021	1.153	15.1	1.720	1.980
92478	12971618	80023062	.88658	.8788	.898	.922	1.041	4.2	1.420	1.480
94007	10741965	41188111	.94906	.7899	.955	.980	1.107	10.7	5.510	6.100
94276	1421900	8021602	.89178	.4372	.941	.966	1.091	9.1	4.080	4.450
94569	1971035	12385469	1.10319	.5390	1.046	1.074	1.213	21.4	2.810	3.410
95410	6359897	32039396	.87501	.7460	.901	.925	1.045	4.7	2.790	2.920
95455	187429	2394444	.18107	.2132	.808	.830	.937	-6.1	0.990	0.930
95505	74935	437432	1.62369	.0867	1.034	1.062	1.199	19.7	2.030	2.430
95625	1200302	5725897	1.20796	.3633	1.062	1.090	1.231	23.1	2.940	3.620
95647	28661361	125027528	1.05732	.9187	1.051	1.079	1.218	21.9	6.130	7.470
96053	408916	2201666	1.04236	.2023	.991	1.017	1.148	14.9	3.490	4.010
96410	1452838	7306847	.95471	.4161	.969	.995	1.124	12.4	7.910	8.890
96611	217774	1301029	.45293	.1472	.901	.925	1.045	4.3	1.170	1.220
97447	5201886	31869951	1.14847	.7450	1.105	1.134	1.281	28.2	3.230	4.140
97650	372205	1810892	.94421	.1793	.972	.998	1.127	12.6	3.400	3.830
97651	277543	1428163	.74944	.1554	.943	.968	1.093	9.2	3.160	3.450
97652	39832	225772	.86736	.0705	.971	.997	1.126	12.5	3.840	4.320

X-TILDE: .970 X-TILDE (MONOLINE): .974 PI-TILDE: .0033055
 TAU SQUARED: .03000 SIGMA SQUARED: 352112.81010

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 12

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.002 * 1.127

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
97653	517952	3368208	1.09266	.2639	1.009	1.036	1.170	16.9	1.780	2.080
97654	75258	375864	.63977	.0820	.951	.976	1.102	10.4	2.800	3.090
97655	1383793	6481542	1.02968	.3897	.998	1.025	1.157	15.6	4.220	4.880
98002	14216	96701	.00000	.0604	.919	.944	1.066	6.9	1.160	1.240
98482	15569142	102000249	.97213	.9022	.973	.999	1.128	12.7	4.720	5.320
98483	20888691	124437623	1.01001	.9183	1.007	1.034	1.168	16.8	13.700	16.000
98502	334414	1594842	.95995	.1660	.975	1.001	1.130	12.9	3.420	3.860
98636	1758663	9271404	.73042	.4707	.862	.885	.999	0.0	3.310	3.310
98677	3511470	20633002	.92200	.6565	.941	.966	1.091	9.0	7.850	8.560
98678	3049072	12479564	1.06349	.5408	1.024	1.051	1.187	19.0	13.700	16.300
98806	564484	3103191	1.04882	.2507	.996	1.023	1.155	15.5	3.090	3.570
98820	3713567	15678779	.89701	.5944	.930	.955	1.078	7.9	3.790	4.090
98884	1745240	9638387	1.26454	.4798	1.116	1.146	1.294	29.7	1.480	1.920
99004	34244	157371	.08411	.0652	.920	.945	1.067	6.8	1.620	1.730
99080	916307	5398281	.56146	.3511	.832	.854	.964	-3.7	6.260	6.030
99315	849752	4954305	1.56063	.3338	1.173	1.204	1.360	36.2	1.380	1.880
99321	1776474	10830801	.82017	.5073	.898	.922	1.041	4.1	1.930	2.010
99613	1116088	5930233	.84966	.3706	.931	.956	1.080	8.0	2.000	2.160
99650	420537	2547275	1.11102	.2216	1.008	1.035	1.169	16.5	0.850	0.990
99746	2628567	15160368	1.00196	.5866	.992	1.018	1.150	15.0	2.470	2.840

X-TILDE: .970 X-TILDE (MONOLINE): .974 PI-TILDE: .0033055
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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 13

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .951 * 1.127

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
91125	56436	139738	.07266	.1489	.728	.856	.917	-8.2	2.320	2.130
91127	1037823	4774967	.73699	.6227	.777	.914	.980	-1.9	1.560	1.530
91235	351955	3045159	.95234	.5238	.900	1.059	1.135	13.3	1.880	2.130
91265	19983	110542	.00757	.1421	.724	.852	.913	-8.7	2.290	2.090
91266	172971	821610	1.53392	.2816	1.037	1.220	1.308	30.9	0.810	1.060
91280	8735	54844	2.57770	.1288	1.066	1.254	1.344	34.4	2.760	3.710
94381	1624957	7628149	.87329	.7190	.865	1.018	1.091	9.3	10.800	11.800
94404	107480	371662	.59509	.1992	.793	.933	1.000	0.0	4.910	4.910
95310	394010	2091601	.37989	.4433	.638	.751	.805	-19.5	1.280	1.030
96408	901348	5289949	1.11798	.6447	1.020	1.200	1.286	28.7	8.080	10.400
96409	1486493	10626459	.78535	.7785	.798	.939	1.006	0.6	7.800	7.850
97221	524835	3867376	1.03615	.5766	.954	1.122	1.203	20.7	0.870	1.050
97222	3299674	19968940	.73559	.8665	.750	.882	.945	-5.2	1.720	1.630
97223	2977109	15738250	1.06604	.8372	1.030	1.212	1.299	29.8	3.150	4.090
98152	267019	2652538	1.40330	.4937	1.119	1.316	1.410	36.4	0.330	0.450 U
98157	65863	376414	1.24106	.2002	.922	1.085	1.163	16.3	0.430	0.500
98163	2773	5068	.00000	.1166	.744	.875	.938	-6.2	0.260	0.244
98164	8008	99501	.00000	.1395	.725	.853	.914	-8.8	0.091	0.083
98659	259	1621	.00000	.1158	.745	.876	.939	-5.9	0.510	0.480
98914	713	3472	.00000	.1162	.745	.876	.939	-5.8	0.690	0.650
98949	5233	17554	.00000	.1197	.742	.873	.936	-7.5	0.400	0.370
98993	1257916	7743483	.65626	.7219	.708	.833	.893	-10.8	4.350	3.880
99163	8912	9274	.00000	.1177	.744	.875	.938	-5.4	0.560	0.530
99803	5744	54745	1.64638	.1288	.946	1.113	1.193	19.6	9.280	11.100
99946	2678446	14970073	.76840	.8304	.781	.919	.985	-1.5	2.590	2.550
99969	741542	3717247	.95785	.5678	.908	1.068	1.145	14.6	2.400	2.750

X-TILDE: .862 X-TILDE (MONOLINE): .850 PI-TILDE: .0068928
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SECTION H
CONSIDERATION OF COVID-19
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IMPACT OF COVID-19 ON GENERAL LIABILITY LOSS COSTS

INTRODUCTION

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

ISO General Liability basic limit loss cost level changes are based on historical aggregate losses and loss adjustment expenses adjusted through development to their ultimate value and projected through trending to a future point in time. The historical statistical data included in this filing is from a period where COVID-19 was not known to be present in the United States.

In anticipation of long-term behavioral, social and economic changes as a result of COVID-19, it is expected, based on the information currently available, that those changes will have a material impact on prospective loss costs for certain risks. To reflect these changes, judgmentally selected adjustment factors have been applied to the loss costs of several classes.

LOSS COST ADJUSTMENTS GENERAL LIABILITY

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

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

LOSS COST
ADJUSTMENTS
GENERAL LIABILITY
(Cont'd)

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

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

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

UTAH GL-2020-BGL1
BASIC LIMIT LOSS COST LEVEL
GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS
ACTUARIAL ANALYSIS SUPPLEMENT

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

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

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>	<u>ADJUSTED</u>
M&C	- 1.1%	- 1.1%	- 1.1%
OL&T	+ 5.5%	+ 5.5%	+ 4.4%
Premises/Operations	+ 1.8%	+ 1.8%	+ 1.3%
Products	+ 2.4%	+ 2.4%	+ 2.4%
Local Products/Completed Operations	+ 12.6%	+ 12.6%	+ 12.6%
Products/Completed Operations	+ 10.6%	+ 10.6%	+ 10.6%
GL Overall	+ 3.8%	+ 3.8%	+ 3.4%

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

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 9/30/2019 for Premises/Operations.

Calendar - accident year data through year ended 12/31/2018 for Products/Completed Operations.

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

Statistical plan data reported to ISO is first processed through a system of rigorous automated data verification processes so that only data that would be reliable is used for ratemaking. Subsequent to this initial data submission review, additional analyses involving an even more customized data review for this line was performed by staff. During these processes, various data records were excluded from the review, corrected or adjusted. Specifically, various reported exposure amounts have been adjusted prior to their use in the calculations. The ISO staff responsible for this loss cost review also reviewed the data for reasonableness.

CALL TO CALL COMPARISON

Manufacturers and Contractors

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 9.9%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 2.6% decrease in ALCCL;
- Implemented loss cost level change (-5.9%);
- A change in exposure trend plus an additional year of trending (-1.1%);

The Basic Limit Experience Ratios (BLERs) varied within reasonable limits.

Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 0.8%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused an 1.2% decrease in ALCCL;
- Implemented loss cost level change (+2.8%);
- A change in exposure trend plus an additional year of trending (+0.2%);
- The effect on ALCCL due to a change in average IPMFs (+0.2%).

The BLERs increased in 2015 (+10.3%) and 2016 (+18.4%). This is mainly due to unfavorable experience across several class groups.

Products

Multistate ALCCL decreased by an average of 21.7% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

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

The BLERs changed due to the various effects listed above.

CALL TO CALL
COMPARISON
(Cont'd)

Local Products/
Completed Ops

Multistate ALCCL decreased by an average of 1.3% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

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

The BLERs changed due to the various effects listed above.

LATEST CALL
YEAR TO YEAR
COMPARISON

Manufacturers and
Contractors

The ALCCL increased steadily from 2015 to 2019.

The low BLERs for 2015 (0.816), 2016 (0.775), 2018 (0.869) and 2019 (0.887) are attributable to favorable experience in several class groups.

Owners, Landlords
and Tenants

The ALCCL increased from 2015 to 2016, decreased in 2017 and then increased thereafter.

The low BLER for 2015 (0.621) is attributable to favorable experience in several class groups. The high BLER for 2016 (1.191) is attributable to unfavorable experience in several class groups.

Products

The ALCCL increased steadily from 2014 to 2018.

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

Local Products/
Completed Ops

The ALCCL increased steadily from 2014 to 2018.

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

LOSS
DEVELOPMENT
FACTOR
COMPARISON

Manufacturers and
Contractors

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

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

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

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

Owners, Landlords
and Tenants

The BI indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review, except for the 15 months-to-ultimate factors which increased by 10.1%. This can largely be attributed to higher 15-to-27 months state and multistate link ratios. The PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

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

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

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

Products

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

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

LOSS
DEVELOPMENT
FACTOR
COMPARISON
(Cont'd)

Local Products/
Completed Ops

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

For Completed Operations, the full coverage BI indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review, except for the 15 months-to-ultimate factor which increased by 23.2%. This can largely be attributed to a higher 15-to-27 and 27-to-39 months state link ratios. The full coverage PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

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

One might expect PD development to be higher due to the Montrose decision in California. In response to the Montrose decision, ISO has introduced revised wording into the CGL policy to better define the concept of known loss. This revision represents neither a broadening nor a restriction in coverage from the original intent, however, it may result in the shifting of coverage, under certain circumstances, between an insured's current policy and past or future policies.

ALAE Development

To develop ALAE losses for all sublines and loss types (BI, PD and Fringe), we are using an incremental method that is based on a percentage of the total limit indemnity losses developed to ultimate. Since this is a procedure that produces incremental factors instead of multiplicative factors, there is no appropriate factor comparison available to last year's review.

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

SEVERITY TREND COMPARISON	Manufacturers and Contractors	<p>The BI severity trend selection is +4.5%, unchanged from +4.5% in the previous Fiscal review.</p> <p>The PD severity trend selection is +4.5%, unchanged from +4.5% in the previous Fiscal review.</p> <p>The Fringe severity trend selection is 0.0%, down from +0.5% in the previous Fiscal review.</p>
	Owners, Landlords and Tenants	<p>The BI severity trend selection is +4.0%, up from +3.5% in the previous Fiscal review.</p> <p>The PD severity trend selection is +5.0%, up from +4.5% in the previous Fiscal review.</p> <p>The Fringe severity selection is +1.0%, down from +1.5% in the previous Fiscal review.</p>
	Products	<p>The BI severity trend selection is +3.0%, up from +2.5% in the previous review.</p> <p>The PD severity trend selection is +6.0%, down from +6.5% in the previous review.</p>
	Local Products/ Completed Ops	<p>The BI severity trend selection is +4.0%, up from +2.5% in the previous review.</p> <p>The PD selected severity trend is +4.5%, unchanged from +4.5% in the previous review.</p>

FREQUENCY
TREND
COMPARISON

We have selected a frequency trend of 0.0% for Manufacturers & Contractors, -0.5% for Owners, Landlords and Tenants, -1.5% for Products, and -0.5% for Local Products/Completed Operations. This is consistent with our conservative approach toward frequency trend selections. This conservatism reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

Manufacturers and
Contractors

The latest frequency point is lower than the prior point.

Owners, Landlords
and Tenants

The latest frequency point is lower than the prior point.

Products

The latest frequency point is lower than the prior point.

Local Products/
Completed Ops

The latest frequency point is lower than the prior point.

EXPOSURE
TREND
COMPARISON

Manufacturers and
Contractors

The exposure trend factors for Manufacturers are lower than that used in the previous review for all three years. The exposure trend factors for Contractors are lower than that used in the previous review for all three years

Owners, Landlords
and Tenants

The exposure trend factors for Class Groups 1-13 are lower than those used in the previous review for all three years. The exposure trend factors for Class Group 16 are lower than that used in the previous review for all three years

Products

The exposure trend factors are lower than that used in the previous review for all three years.

Local Products/
Completed Ops

The exposure trend factors for Local Products are lower than that used in the previous review for all three years. The exposure trend factors for Completed Operations are lower than that used in the previous review for all three years.

WEIGHTED AVERAGE IMPLICIT PACKAGE MODIFICATION FACTOR (IPMF) COMPARISON	Manufacturers and Contractors	The current weighted average IPMF is 1.034. In the 2019 review the weighted average IPMF was 1.039.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.975. In the 2019 review the weighted average IPMF was 0.974.
	Products	The current multistate weighted average IPMF is 0.859. In the 2019 review the multistate weighted average IPMF was 0.856.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.991. In the Group 4, 2019 review the multistate weighted average IPMF was 0.979.

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, Utah's state balanced relative change (1.032) ranks 13th highest overall. In last year's review, Utah's state balanced relative change (1.040) ranked 13th highest overall.

CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average decrease of 2.6% in the total statewide ALCCL.
	For Owners, Landlords and Tenants, the change in company mix results in an average decrease of 1.2% in the total statewide ALCCL.
	For Products, the change in company mix results in a 12.3% decrease in the total multistate ALCCL.
	For Local Products/Completed Operations, the change in company mix results in a 3.4% decrease in the total multistate ALCCL.

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
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	.104	.195	10205	.27	—	11210	2.13	—	13207	(a)	(a)
10015	7.06	—	10220	5.08	—	11211	11.10	—	13208	(a)	(a)
10020	(a)	(a)	10255	.18	.147	11212	1.68	—	13314	.129	.016
10026	.70	.022	10256	.66	.152	11213	1.37	—	13351	.31	.039
10036	.48	(a)	10257	.124	.169	11214	3.37	—	13352	.32	.045
10040	.079	.30	10309	.174	.019	11222	.057	—	13410	1.03	2.99
10042	.40	.28	10315	.41	(a)	11234	.30	.067	13411	(a)	(a)
10052	4.88	—	10331	9.58	—	11248	.034	.018	13412	.35	1.14
10054	4.33	—	10332	16.50	—	11258	1.16	.176	13453	.40	(a)
10060	.191	.091	10352	.56	.085	11259	1.24	.164	13454	.47	(a)
10065	.29	.029	10367	2.85	—	11273	15.00	—	13455	.48	(a)
10066	.29	.058	10368	4.17	—	11274	14.40	—	13461	(a)	(a)
10070	.06	.154	10375	(a)	—	11288	1.42	.119	13506	.99	.066
10071	.34	.094	10378	9.70	—	12014	.074	.039	13507	1.19	.126
10072	3.23	—	10379	4.50	—	12356	1.28	.037	13590	.36	.74
10073	.75	.81	10380	7.69	—	12361	.08	.077	13621	.09	.32
10075	5.60	.161	10381	6.66	—	12362	.066	(a)	13670	.045	.015
10100	.96	.071	11007	1.21	—	12373	.025	.024	13673	.88	.017
10101	.26	.181	11020	.33	.12	12374	.66	.112	13715	.066	.165
10105	2.80	—	11039	.66	.089	12375	.33	.045	13716	.49	.093
10107	2.31	.237	11052	2.67	—	12391	.049	.082	13720	.49	.078
10110	24.00	—	11101	(a)	(a)	12393	.43	(a)	13759	.191	.135
10111	.13	.078	11120	(a)	—	12467	.18	(a)	13930	.14	.201
10113	.39	—	11126	.067	.022	12509	.045	.036	14068	.042	.014
10115	.77	.094	11127	.33	.011	12510	.57	.03	14101	.49	.046
10117	7.01	—	11128	.45	.066	12583	.25	(a)	14279	.34	.046
10119	(a)	—	11138	2.39	—	12651	.74	.53	14401	1.17	.106
10120	15.70	—	11155	.23	—	12683	.34	(a)	14405	.71	—
10130	3.82	—	11160	(a)	(a)	12707	.43	.64	14527	.27	.189
10132	3.29	—	11167	.62	—	12797	.09	.196	14655	.096	—
10133	2.57	—	11168	3.19	—	12805	.35	.087	14731	2.65	—
10135	(a)	—	11201	10.60	—	12841	.58	—	14732	.196	—
10140	.037	.021	11202	3.14	—	12927	.101	—	14733	.67	—
10141	.074	.023	11203	.77	.52	13049	.042	.057	14734	.29	—
10145	.35	.014	11204	.34	1.58	13111	1.07	.093	14855	.158	.154
10146	.43	.025	11205	(a)	—	13112	.068	.063	14913	.36	.144
10150	.53	(a)	11206	.49	—	13201	.65	.16	15060	(a)	(a)
10151	13.40	—	11207	6.22	—	13204	.74	1.45	15061	(a)	(a)
10160	2.39	—	11208	1.07	—	13205	.28	.46	15062	.142	(a)
10204	.242	—	11209	5.01	—	13206	(a)	(a)	15063	.165	(a)

DIVISION SIX

PREM/OPS TERR. 001

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001 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	.096	—	16750	.112	.032	18707	.01	.004	40117	(a)	—
15119	(a)	—	16751	.112	—	18708	.124	.019	40140	(a)	—
15120	(a)	—	16819	.86	(a)	18833	.117	(a)	41001	.26	—
15123	2.56	—	16820	.66	(a)	18834	.32	.105	41210	(a)	—
15124	.90	—	16881	1.76	(a)	18911	1.01	.02	41421	.28	—
15188	.25	(a)	16890	.101	(a)	18912	1.90	.033	41422	.15	—
15223	.053	.041	16891	.11	(a)	18920	.49	.022	41510	50.90	—
15224	.52	.083	16892	.199	(a)	18991	(a)	—	41603	13.30	—
15300	(a)	—	16900	2.35	.125	19007	1.00	—	41604	7.30	—
15314	.23	(a)	16901	1.50	.18	19051	2.22	—	41620	.89	—
15404	.065	(a)	16902	1.28	.141	19061	(a)	—	41650	18.70	—
15405	.095	(a)	16905	2.47	.125	19795	.33	(a)	41664	33.30	—
15406	.242	.048	16906	1.58	.18	19796	.39	—	41665	3.90	—
15488	.61	(a)	16910	1.41	.114	40005	(a)	—	41666	(a)	—
15538	.41	.022	16911	1.28	.079	40006	(a)	—	41667	91.10	—
15600	1.03	.084	16915	1.44	.091	40010	(a)	—	41668	85.40	—
15607	.125	—	16916	1.20	.078	40015	(a)	—	41669	.60	—
15608	.23	.011	16920	3.20	.193	40020	(a)	—	41670	1.01	—
15656	6.81	—	16921	2.92	.086	40026	(a)	—	41672	(a)	—
15699	.31	—	16930	1.84	.26	40031	(a)	—	41673	(a)	—
15733	.158	.037	16931	1.99	.131	40032	(a)	—	41675	(a)	—
15839	.31	.027	16940	4.00	.086	40040	(a)	—	41677	.184	—
15991	.25	.078	16941	1.60	.159	40041	(a)	—	41678	50.10	—
15993	.214	.043	18078	.119	.118	40042	(a)	—	41679	(a)	(a)
16005	.035	.034	18109	.42	.038	40045	220.00	—	41680	9.73	—
16009	.194	.094	18110	.34	.044	40046	43.50	—	41696	.58	—
16402	1.53	—	18200	(a)	—	40047	15.50	—	41697	.40	—
16403	.97	.15	18205	.183	.35	40059	5.55	—	41700	(a)	—
16404	1.22	—	18206	.55	.119	40061	2.94	—	41715	6.18	—
16471	.176	—	18335	.39	.017	40063	98.50	—	41716	3.93	—
16501	.073	(a)	18435	1.02	.084	40064	29.00	—	43007	(a)	—
16527	.113	.35	18436	.82	.225	40066	(a)	—	43117	(a)	—
16588	.09	(a)	18437	.56	(a)	40067	(a)	—	43151	10.10	—
16604	.151	.146	18438	1.08	(a)	40069	(a)	—	43152	15.00	—
16670	3.97	—	18501	.93	.014	40072	(a)	—	43200	38.50	—
16676	.32	.015	18506	.32	.007	40075	20.30	—	43215	(a)	—
16694	.30	(a)	18507	.202	.007	40101	7.49	—	43421	10.60	—
16705	.209	.148	18570	2.11	—	40102	6.62	—	43422	55.40	—
16722	(a)	—	18575	(a)	(a)	40111	7.80	—	43424	(a)	—
16723	(a)	—	18616	.241	.59	40115	(a)	—	43470	3.38	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
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	33.50	—	46004	17.80	—	47471	2.43	—
43518	14.30	—	44280	.184	—	46005	14.20	—	47473	3.18	—
43550	37.60	—	44311	7.37	—	46112	.029	—	47474	3.56	—
43551	20.90	—	44315	4.96	—	46202	2.02	—	47475	2.81	—
43626	11.40	—	44427	27.10	—	46362	175.00	—	47476	2.81	—
43628	148.00	—	44428	27.20	—	46426	25.50	—	47477	3.74	—
43629	126.00	—	44429	.41	—	46427	34.10	—	47478	3.93	—
43754	(a)	—	44430	.28	—	46510	(a)	—	47600	(a)	—
43760	4.19	—	44431	.91	—	46590	(a)	—	47610	(a)	—
43822	2.69	—	44432	.29	—	46603	2.14	—	48039	27.30	—
43840	.033	—	44433	9.15	—	46604	2.47	—	48177	(a)	—
43860	2.12	—	44434	17.50	—	46606	6.59	—	48178	(a)	—
43889	.76	—	44435	18.10	—	46607	9.06	—	48206	30.20	—
43945	(a)	—	44436	21.20	—	46622	7.86	—	48252	(a)	—
43946	(a)	—	44437	17.50	—	46671	(a)	—	48441	.127	—
43990	(a)	(a)	44438	13.90	—	46700	77.50	—	48557	12.70	—
43991	(a)	—	44439	27.00	—	46773	(a)	—	48558	11.00	—
44009	3.13	—	44440	22.30	—	46822	(a)	—	48600	51.10	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	12.20	—	44501	(a)	—	46882	(a)	—	48636	1.42	(a)
44070	3.62	—	45190	1.59	—	46911	22.60	—	48637	9.70	—
44071	4.02	—	45191	1.13	—	46912	41.40	—	48638	4.81	—
44072	2.78	—	45192	1.32	—	46913	(a)	—	48727	(a)	—
44100	10.00	—	45193	.78	—	46914	(a)	—	48808	1.74	—
44101	10.40	—	45210	.99	—	46915	(a)	—	48924	(a)	—
44102	8.13	—	45224	(a)	—	46916	(a)	—	48925	232.00	—
44103	7.19	—	45225	(a)	—	47050	.73	—	49005	.125	—
44104	3.02	—	45334	22.20	—	47051	(a)	—	49111	2.66	—
44105	(a)	—	45380	.185	(a)	47052	(a)	—	49181	8.92	—
44106	(a)	—	45450	6.53	—	47103	(a)	—	49183	10.90	—
44108	3.54	—	45523	(a)	—	47146	(a)	—	49184	23.00	—
44109	8.96	—	45524	(a)	—	47147	(a)	—	49185	20.90	—
44110	9.17	—	45539	(a)	—	47221	85.00	—	49239	.138	.60
44111	5.63	—	45678	.198	—	47253	(a)	—	49292	.65	—
44112	3.33	—	45771	.28	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.092	.065	47318	9.29	—	49333	4.79	—
44193	(a)	—	45900	.118	.09	47367	.184	—	49451	(a)	—
44194	(a)	—	45901	.101	.049	47420	2.03	—	49452	(a)	—
44222	(a)	—	45937	.087	—	47468	(a)	—	49617	.211	.19
44276	51.70	—	45993	(a)	(a)	47469	2.81	—	49618	.177	.055

DIVISION SIX

PREM/OPS TERR. 001

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001 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	.33	.098	51315	.09	.106	51809	.37	.153	52341	.041	(a)
49763	2.16	—	51330	.087	.53	51833	.107	.06	52342	.118	(a)
49800	(a)	—	51333	.028	.34	51850	.21	(a)	52343	.072	(a)
49801	74.80	—	51340	.036	(a)	51851	.142	(a)	52401	.222	(a)
49802	6.64	—	51350	.166	.135	51852	.33	(a)	52402	.02	(a)
49803	11.70	—	51351	.149	.042	51853	.134	(a)	52432	.099	(a)
49840	.76	—	51352	.204	.108	51854	.30	(a)	52433	.091	1.02
49870	97.00	—	51355	.139	.094	51855	.32	(a)	52435	.114	(a)
49890	(a)	—	51356	.15	.62	51856	.173	(a)	52438	.082	(a)
49891	(a)	—	51357	.128	.66	51857	.30	(a)	52440	.129	(a)
49902	(a)	—	51358	.31	.141	51869	.098	.136	52467	.119	(a)
49903	(a)	—	51359	.27	.78	51877	.55	.212	52469	.042	.104
50010	.214	.49	51370	.43	4.57	51889	.091	.012	52505	.208	.216
50015	.139	(a)	51380	.043	.044	51896	.043	.018	52547	.192	.078
50017	.106	(a)	51400	.203	(a)	51900	.08	.095	52581	1.01	2.95
50045	.242	(a)	51401	.30	(a)	51909	.19	.056	52619	.071	(a)
50047	.027	(a)	51500	.081	.119	51919	.092	(a)	52660	.065	—
51001	.049	.45	51516	.055	—	51926	.094	.038	52744	.41	.081
51005	.01	(a)	51517	.062	—	51927	.051	.131	52767	.176	(a)
51116	.123	.69	51550	.101	.39	51934	.103	.125	52876	(a)	(a)
51201	.037	(a)	51551	.035	.91	51941	.093	.041	52911	.057	.45
51205	.112	.071	51552	.06	.159	51942	.149	—	52967	.021	.062
51206	.017	.39	51553	.108	(a)	51956	.40	.221	53001	.208	.33
51210	.085	(a)	51554	.01	(a)	51957	.35	.42	53077	.10	.207
51211	(a)	(a)	51575	.044	.02	51958	.32	.41	53095	.069	(a)
51220	.29	2.28	51576	.193	.093	51959	.32	(a)	53096	.095	(a)
51221	.163	1.78	51600	.132	.191	51960	.043	.35	53121	.27	.44
51222	.198	3.67	51613	.087	.139	51970	.185	.238	53147	.03	(a)
51224	.207	1.45	51625	.045	(a)	51982	.055	.083	53229	.167	(a)
51230	.035	.79	51666	.07	.101	51985	.051	—	53271	.051	(a)
51240	.44	.185	51702	.134	(a)	51986	.214	.103	53333	.164	.239
51241	1.31	.26	51703	.056	(a)	51999	.09	.44	53374	.108	.31
51250	.225	(a)	51734	.104	.31	52002	.079	.129	53375	.057	.223
51251	.038	(a)	51741	.229	.26	52075	.165	.243	53376	.092	.194
51252	.133	.10	51752	.193	.165	52076	.199	(a)	53377	.094	.195
51253	.113	(a)	51767	.021	.008	52109	.02	(a)	53403	.06	(a)
51254	.035	.039	51777	.072	.078	52134	.27	.63	53425	.154	(a)
51255	.57	(a)	51790	.119	(a)	52137	.065	(a)	53565	.069	.108
51300	.099	.16	51796	.083	(a)	52150	.49	(a)	53631	.032	.022
51305	.099	.96	51808	.30	.73	52315	.093	.26	53632	.036	.034

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001 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	.033	(a)	56170	.152	(a)	57401	.066	.096	58503	.079	.076
53732	.227	.45	56171	.075	(a)	57403	.146	.035	58532	.102	(a)
53733	.147	.27	56202	.076	.089	57410	.032	.162	58559	.021	(a)
53734	.33	—	56390	.132	.64	57411	.038	(a)	58560	.05	(a)
53803	.37	(a)	56391	.114	.32	57572	.019	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.183	.125	57600	.056	.034	58575	.065	.12
53902	(a)	(a)	56488	.119	.034	57611	.081	.062	58627	.208	.013
53903	(a)	(a)	56567	.157	(a)	57625	.49	(a)	58663	.35	1.28
53904	(a)	(a)	56650	.48	(a)	57651	.06	.041	58682	.185	(a)
53905	(a)	(a)	56651	.26	(a)	57690	.106	.49	58713	.046	(a)
53907	.10	.103	56652	.187	(a)	57716	.05	.082	58737	.134	.63
53951	(a)	(a)	56653	.18	(a)	57725	.11	.088	58756	.065	(a)
53952	(a)	(a)	56654	.092	(a)	57726	.085	.021	58757	.45	(a)
53953	(a)	(a)	56690	.062	.35	57798	.03	(a)	58759	.056	(a)
54012	.033	—	56699	.084	.057	57800	.113	(a)	58802	.063	.48
54077	.136	.40	56758	.072	.148	57808	.042	(a)	58813	.16	(a)
54444	(a)	(a)	56759	.073	.08	57809	.043	(a)	58822	.175	(a)
55010	.41	1.08	56760	.105	.098	57810	.042	.107	58837	.32	.162
55011	.111	1.57	56805	.138	(a)	57871	.05	.118	58840	.096	.127
55012	.132	1.18	56806	.098	(a)	57913	.146	.29	58873	.153	.03
55013	.14	1.14	56807	.097	(a)	57997	.073	—	58903	.04	(a)
55014	(a)	(a)	56808	.127	(a)	57998	.065	.058	58904	.031	.128
55214	.107	.088	56900	.122	(a)	57999	.069	.071	58922	.25	.168
55371	.28	.119	56910	.061	(a)	58009	.069	(a)	59005	.076	.096
55410	(a)	(a)	56911	.135	(a)	58010	.15	(a)	59057	.56	(a)
55426	.169	(a)	56912	.11	.09	58020	.157	(a)	59058	.36	(a)
55597	.027	1.79	56913	.089	(a)	58056	.179	(a)	59188	.31	.055
55647	.054	.062	56915	.53	(a)	58057	.113	(a)	59189	.43	.30
55648	.024	(a)	56916	.48	.205	58058	.101	(a)	59223	.158	.088
55649	.029	(a)	56917	.138	(a)	58095	.143	1.99	59257	.02	.013
55715	.213	.224	56918	.066	(a)	58096	.19	1.23	59306	.128	(a)
55716	.31	.52	56919	.169	(a)	58301	.053	.088	59378	.103	.15
55717	.224	(a)	56920	.154	(a)	58302	.051	.055	59481	.34	.099
55718	.217	(a)	56980	.106	(a)	58397	.30	.74	59482	.33	(a)
55802	.072	.009	57001	.036	.028	58408	.043	—	59537	.111	.21
55918	.122	2.74	57002	.023	.106	58409	.055	—	59601	.13	2.37
55919	.017	3.65	57090	.248	.66	58456	.029	—	59647	.145	.17
56040	.011	.033	57146	.157	.72	58457	.043	—	59660	.239	1.18
56041	.076	(a)	57202	.094	(a)	58458	.055	—	59661	.117	(a)
56042	.095	(a)	57257	.116	.035	58459	.066	—	59693	.02	—

DIVISION SIX

PREM/OPS TERR. 001

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001 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	.59	.069	63220	(a)	—	91190	2.29	(a)
59701	.009	.29	59970	.095	.183	64074	11.20	—	91200	.78	—
59713	.214	.31	59973	.164	(a)	64075	7.90	—	91210	(a)	—
59722	.111	.031	59975	.133	.227	64500	(a)	—	91235	2.43	2.13
59723	.042	.037	59977	.076	(a)	65007	27.20	—	91250	3.66	(a)
59724	.064	.019	59984	.045	.053	66122	11.70	—	91265	16.60	2.09
59725	.08	.116	59985	.175	(a)	66123	6.42	—	91266	8.77	1.06
59726	.058	.024	59986	.134	(a)	66309	18.80	—	91280	(a)	3.71
59738	.185	.064	59988	.034	.059	66561	43.50	—	91302	12.40	(a)
59750	.083	.222	59989	.023	.044	67017	40.40	—	91315	3.76	—
59751	.03	(a)	60010	14.30	—	67508	22.50	—	91324	8.38	(a)
59773	.018	.028	60011	16.40	—	67509	16.50	—	91325	(a)	(a)
59774	.015	.15	60012	27.00	—	67510	9.17	—	91340	5.47	7.85
59775	.02	.188	60013	23.10	—	67511	9.92	—	91341	4.88	4.67
59781	.072	.068	60015	17.30	—	67512	42.50	—	91342	5.02	3.40
59782	.107	.46	60016	19.40	—	67513	26.90	—	91343	1.08	1.33
59783	.104	(a)	60035	30.60	—	67634	34.90	—	91405	6.38	—
59784	.08	(a)	61000	14.10	—	67635	24.70	—	91436	5.52	2.31
59790	.143	(a)	61212	15.70	—	68001	75.40	—	91481	20.10	—
59798	.27	.50	61216	17.40	—	68439	97.00	—	91507	2.97	3.04
59806	.195	(a)	61217	15.80	—	68500	3.14	—	91523	45.80	—
59867	.161	(a)	61218	10.80	—	68604	1.81	—	91547	.26	—
59886	.022	.108	61223	76.80	—	68606	7.08	—	91551	1.61	.56
59889	.061	.165	61224	24.50	—	68607	5.60	—	91555	1.46	1.27
59892	.104	(a)	61225	33.90	—	68702	4.61	—	91560	4.85	4.30
59904	.07	.061	61226	57.10	—	68703	3.46	—	91562	3.59	—
59905	.101	.132	61227	52.30	—	68706	14.80	—	91577	12.90	3.14
59914	.59	.68	62000	11.90	—	68707	14.70	—	91580	6.40	—
59915	.234	.75	62001	9.39	—	90089	4.67	—	91581	(a)	(a)
59917	.043	.205	62002	4.28	—	91111	3.13	6.83	91582	(a)	(a)
59923	.014	.004	62003	13.50	—	91125	2.81	2.13	91583	(a)	(a)
59925	.28	1.19	63010	25.70	—	91127	2.11	1.53	91584	(a)	(a)
59926	.235	.45	63011	32.10	—	91130	1.36	—	91585	(a)	(a)
59927	.158	1.42	63012	45.70	—	91135	.38	(a)	91586	(a)	(a)
59931	.27	.55	63013	43.30	—	91150	1.99	5.17	91587	(a)	(a)
59932	.29	.88	63215	44.60	—	91155	4.42	32.50	91588	(a)	(a)
59941	.089	(a)	63216	31.00	—	91160	1.13	—	91589	(a)	(a)
59947	.07	.32	63217	44.20	—	91175	.97	—	91590	3.73	—
59955	.034	.143	63218	14.90	—	91177	4.25	—	91591	(a)	(a)
59963	.25	.41	63219	(a)	—	91179	4.27	—	91606	13.30	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001 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	1.36	—	97653	3.38	2.08	98426	2.74	(a)
91629	2.71	(a)	95358	(a)	—	97654	5.90	3.09	98427	2.67	—
91636	4.65	—	95410	4.79	2.92	97655	5.09	4.88	98428	(a)	—
91641	1.26	(a)	95455	5.62	.93	98002	.92	1.24	98429	1.21	—
91666	1.01	(a)	95487	2.57	(a)	98003	1.06	(a)	98430	(a)	—
91722	4.07	(a)	95505	2.62	2.43	98090	.142	—	98449	3.84	19.40
91746	3.59	5.87	95620	2.08	(a)	98091	.154	—	98482	4.11	5.32
91805	.226	—	95625	5.92	3.62	98092	.47	—	98483	6.07	16.00
92053	.56	.67	95630	(a)	(a)	98111	.62	—	98502	5.81	3.86
92054	.191	.30	95647	2.93	7.47	98150	(a)	—	98555	2.71	—
92055	5.33	.28	95648	(a)	(a)	98151	(a)	—	98597	.61	—
92101	8.33	3.03	96053	2.23	4.01	98152	3.10	.45	98598	.208	—
92102	5.02	3.11	96317	1.41	—	98153	3.49	(a)	98601	6.96	(a)
92215	3.49	2.68	96408	4.15	10.40	98154	4.12	(a)	98622	(a)	—
92338	1.93	2.09	96409	3.84	7.85	98155	5.77	(a)	98623	(a)	—
92445	2.67	—	96410	3.37	8.89	98156	(a)	(a)	98624	1.09	—
92446	6.33	1.50	96611	1.25	1.22	98157	3.68	.50	98636	2.99	3.31
92447	5.54	1.66	96702	4.77	(a)	98158	(a)	(a)	98640	120.00	—
92451	2.43	1.98	96703	(a)	—	98159	2.47	(a)	98658	5.96	—
92453	3.51	—	96816	4.48	—	98160	5.24	(a)	98659	1.07	.48
92478	1.74	1.48	96872	4.99	(a)	98161	5.87	(a)	98677	18.90	8.56
92593	31.90	—	96930	(a)	—	98162	(a)	(a)	98678	16.80	16.30
92663	.63	—	97002	(a)	(a)	98163	6.16	.244	98698	(a)	(a)
94007	11.90	6.10	97003	(a)	(a)	98164	2.05	.083	98699	5.47	(a)
94099	2.71	—	97047	3.81	—	98257	1.60	—	98705	8.44	—
94225	9.53	—	97050	2.96	—	98303	11.60	6.63	98710	3.80	—
94276	4.96	4.45	97111	5.73	—	98304	5.92	3.19	98751	4.51	—
94304	3.11	(a)	97220	.36	(a)	98305	3.06	1.72	98805	4.96	1.68
94381	5.83	11.80	97221	(a)	1.05	98306	7.88	1.04	98806	2.78	3.57
94404	4.70	4.91	97222	1.61	1.63	98307	1.87	.54	98810	4.32	—
94444	(a)	(a)	97223	2.43	4.09	98308	1.23	.84	98813	4.17	1.68
94569	3.18	3.41	97308	.68	—	98309	5.82	2.31	98820	9.48	4.09
94590	13.70	—	97447	2.23	4.14	98344	.85	.55	98871	(a)	(a)
94617	4.32	—	97501	(a)	—	98405	1.41	—	98884	2.46	1.92
94638	(a)	—	97502	(a)	—	98413	15.60	(a)	98914	.73	.65
95124	1.60	.98	97503	(a)	—	98414	14.30	(a)	98949	1.02	.37
95233	3.42	—	97504	(a)	—	98415	1.87	(a)	98967	3.87	7.83
95305	3.71	—	97650	3.96	3.83	98423	4.46	(a)	98993	5.71	3.88
95306	5.33	—	97651	6.59	3.45	98424	7.57	(a)	99003	1.84	1.41
95310	8.87	1.03	97652	5.72	4.32	98425	3.11	(a)	99004	3.46	1.73

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001 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	1.30	6.03	99826	.85	.65						
99081	(a)	—	99827	.47	.63						
99082	(a)	—	99851	1.91	—						
99083	(a)	—	99917	3.09	—						
99084	(a)	(a)	99938	3.47	—						
99085	(a)	(a)	99943	10.10	—						
99111	1.89	—	99946	7.50	2.55						
99160	(a)	—	99948	6.88	21.10						
99163	4.51	.53	99952	6.32	18.80						
99165	.99	(a)	99953	6.83	13.80						
99220	1.60	(a)	99954	4.97	9.72						
99221	(a)	(a)	99955	6.22	8.54						
99222	3.01	(a)	99963	.75	—						
99223	.28	(a)	99969	2.91	2.75						
99303	15.10	—	99975	5.52	—						
99310	3.78	(a)	99986	(a)	—						
99315	11.10	1.88	99987	(a)	—						
99321	10.80	2.01	99988	2.57	—						
99445	(a)	(a)									
99471	.73	—									
99505	4.83	—									
99506	5.95	—									
99507	5.19	—									
99570	2.78	(a)									
99571	.67	(a)									
99572	1.32	(a)									
99573	1.26	(a)									
99600	1.51	—									
99613	9.56	2.16									
99614	3.36	—									
99620	.52	—									
99650	1.32	.99									
99709	3.25	(a)									
99718	1.53	—									
99746	2.59	2.84									
99760	.30	—									
99777	7.48	—									
99793	3.28	—									
99798	(a)	(a)									
99803	(a)	11.10									