

LOSS COSTS – IMPLEMENTATION

JULY 11, 2019

GENERAL LIABILITY

LI-GL-2019-162

## OREGON GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

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### KEY MESSAGE

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

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### BACKGROUND

In circular [LI-GL-2019-139](#), we provided you with information about the General Liability loss cost level experience review.

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### ISO ACTION

We are implementing GL-2019-BGL1, which presents a review of General Liability loss cost experience. Refer to the attachment(s) for complete details.

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### SUPPLEMENTARY INFORMATION

We are including the following supplementary information:

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

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

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### EFFECTIVE DATE

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

These changes are applicable to all policies written on or after December 1, 2019.

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

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### IMPACT ON THE STATISTICAL REPORTING OF LOSS COST MULTIPLIER

For the purpose of reporting your company Loss Cost Multiplier under the CSP, as of December 1, 2019, the multiplier must be based on the relationship between your gross rates and the ISO advisory prospective loss costs contained in this circular.

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## COMPANY ACTION

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

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

In all correspondence with the Insurance Department on this revision, you should refer to ISO Reference Filing Number GL-2019-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.

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## RATING SOFTWARE IMPACT

No new attributes are being introduced with this revision.

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## POLICYHOLDER NOTIFICATION

If you decide to implement this revision, you should check all applicable laws for the state(s) to which this revision applies, to determine whether or not a specific policyholder notice requirement may apply. Please note that circular [LI-CL-2018-044](#) contains the ISO Guide To Renewals With Changed Conditions For Commercial Lines, which is available only as a guide to assist participating companies in complying with various conditional renewal statutes or regulations, for the major commercial lines of insurance serviced by ISO. The information in the Guide does not necessarily reflect all requirements or exceptions that may apply, and it is not intended as a substitute for your review of all applicable statutes and regulations concerning policyholder notification.

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## REVISION DISTRIBUTION

We will issue a Notice to Manualholders with an edition date of 12-19 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

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## REFERENCE(S)

- [LI-GL-2019-139](#) (06/12/2019) General Liability Basic Limit Experience For 2019 Group 3 Jurisdictions Reviewed By Staff
- [LI-CL-2018-044](#) (11/27/2018) Revised Lead Time Requirements Listing

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## ATTACHMENT(S)

- GL-2019-BGL1
- Actuarial Analysis Supplement
- Manual Pages
- Excel Workbook

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## FILES AVAILABLE FOR DOWNLOAD

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

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

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## DATA QUALITY

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

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## ACKNOWLEDGMENT OF ACTUARIAL QUALIFICATIONS

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

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

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

OREGON GL-2019-BGL1  
BASIC LIMIT LOSS COST LEVEL  
GENERAL LIABILITY OTHER THAN PROFESSIONAL  
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS  
EXECUTIVE SUMMARY

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PURPOSE

This document:

- revises current advisory prospective loss costs for Premises/Operations and Products/Completed Operations classes. These loss costs represent a -1.0% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.
  - provides the analyses used to derive these advisory loss costs.
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DEFINITION OF  
THE ISO  
ADVISORY  
PROSPECTIVE  
LOSS COSTS

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

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LOSS COST  
LEVEL CHANGES

The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	- 7.6%	- 7.6%
OL&T	+10.2%	+10.2%
Premises/Operations	+ 0.5%	+ 0.5%
Products	-10.9%	-10.9%
Local Products/Completed Operations	- 2.2%	- 2.2%
Products/Completed Operations	- 4.1%	- 4.1%
GL Overall	- 1.0%	- 1.0%

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

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INDICATED  
VS. SELECTED

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

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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.

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PRIOR ISO  
REVISIONS

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

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## CHANGES TO ECONOMETRIC DATA

ISO reviewed the economic series underlying the exposure trends for Premises/Operations and Products/Completed Operations classes with inflation sensitive exposure bases. As a result, ISO made some changes in order to improve the correspondence between elements of the National Income and Products Accounts (NIPA) and those classes. In particular, ISO updated the consumption components used in the determination of the exposure trend for OL&T Class Groups 1-13 by revising the composition of the 'Furniture' component, changing the 'Food' component to 'Food and Accommodation' and adding a 'Recreation' component. Also, wherever else appropriate, any item incorporating 'Food' has been revised to also include 'Accommodation'. The economic data is still supplied by Moody's Analytics.

In addition, in July 2018, the Bureau of Economic Analysis (U.S. Department of Commerce) released a comprehensive update of NIPA, which included a change in the reference year from 2009 to 2012. As a result, ISO also updated the base year used in the determination of inflation indices from 2009 to 2012.

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## HISTORICAL SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Fiscal - accident year data through year ended 6/30/2018 for Premises/Operations.
- Calendar-accident year data through year ended 12/31/2017 for Products/Completed Operations.

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

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## ADJUSTMENTS TO REPORTED EXPERIENCE

The period of use for this revision is anticipated to begin on 12/1/2019. The Products/Completed Operations portion of this review uses a trend date of 7/1/2019 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 6/30/2018 were used in selecting annual trend factors. For Products/Completed Operations, occurrence cost data and occurrence frequency data through 12/31/2017 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.

ADJUSTMENTS  
TO REPORTED  
EXPERIENCE  
(CONT'D)

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

PRODUCTS LIABILITY (ASLOB 18.0)

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

Insurers are listed in descending order based on the percent of written premium volume from Statutory Page 14 Data for the year ending 12/31/2017 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 12/31/2017 is:

Statewide - Other Liability (ASLOB 17.0)	40.0%
Multistate - Products Liability (ASLOB 18.0)	45.0%

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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OREGON  
PRIOR REVISIONS

The latest implemented revisions in this state are:

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		-10.8%	- 5.0%	- 5.0%
OL&T		+ 4.6%	0.0%	0.0%
Prem/Ops Combined		- 3.8%	- 2.7%	- 2.7%
Products		- 8.2%	- 8.2%	- 8.2%
Local Products/Completed Ops		-16.6%	-16.6%	-16.6%
Products/Completed Ops Combined		-14.7%	-14.7%	-14.7%
General Liability Overall	12/1/2018	- 7.7%	- 7.0%	- 7.0%

Document: GL-2017-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		-13.2%	-13.2%	-13.2%
OL&T		- 7.1%	- 7.1%	- 7.1%
Prem/Ops Combined		-10.6%	-10.6%	-10.6%
Products		- 9.5%	- 9.5%	- 9.5%
Local Products/Completed Ops		- 9.6%	- 9.6%	- 9.6%
Products/Completed Ops Combined		- 9.6%	- 9.6%	- 9.6%
General Liability Overall	12/1/2017	-10.3%	-10.3%	-10.3%

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		- 9.3%	- 9.3%	- 9.3%
OL&T		+ 0.8%	+ 0.8%	+ 0.8%
Prem/Ops Combined		- 5.1%	- 5.1%	- 5.1%
Products		- 4.2%	- 4.2%	- 4.2%
Local Products/Completed Ops		- 2.7%	- 2.7%	- 2.7%
Products/Completed Ops Combined		- 3.1%	- 3.1%	- 3.1%
General Liability Overall	2/1/2017	- 4.4%	- 4.4%	- 4.4%

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# OREGON

## 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)	- 6.2%	+ 15.9%	+ 3.8%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	- 7.6%	+ 10.2%	+ 0.5%	- 10.9%*	- 2.2%**	- 4.1%	- 1.0%
Statewide Selected Monoline Loss Cost Level Change (See Section C)	- 7.6%	+ 10.2%	+ 0.5%	- 10.9%*	- 2.2%	- 4.1%	- 1.0%

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

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

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

<u>CODE</u>	<u>TERRITORY DESCRIPTION</u>	LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT <u>LEVEL (ALCCL)</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
501	Portland	\$ 3,834,425	+ 5.5%	+ 5.6%
502	Remainder of State	6,667,833	+ 12.8%	+ 12.8%
	STATEWIDE TOTAL	\$ 10,502,258	+ 10.2%	+ 10.2%



OREGON

PREMISES/OPERATIONS  
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
30	SERVICE	\$ 807,215	- 4.3%	- 4.6%
31	LIGHT CONTRACTING	1,546,692	- 3.6%	- 3.8%
32	MEDIUM CONTRACTING	5,223,209	- 8.0%	- 8.3%
33	HEAVY CONTRACTING	1,134,740	- 9.7%	- 10.1%
34	DEALERS OR DISTRIBUTORS	1,238,711	- 8.1%	- 7.4%
35	LIGHT MANUFACTURERS	337,909	- 8.7%	- 7.6%
36	MEDIUM MANUFACTURERS	861,794	- 8.6%	- 7.7%
37	HEAVY MANUFACTURERS	694,805	- 12.4%	- 11.6%
38	MISCELLANEOUS OPERATIONS	811,513	- 7.3%	- 6.4%
	TOTAL	\$ 12,656,588	- 7.6%	- 7.6%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
01	FOOD AND BEVERAGE (RETAIL)	\$ 364,133	+ 9.0%	+ 9.5%
02	RESTAURANTS	1,452,878	+ 9.5%	+ 9.3%
03	STORES	590,195	+ 10.0%	+ 10.6%
04	VENDING AND RENTAL	48,124	+ 11.5%	+ 10.9%
05	FOOD AND BEVERAGE DISTRIBUTORS	114,136	+ 6.5%	+ 4.9%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	275,188	+ 8.2%	+ 7.8%
07	CLUBS, AMUSEMENTS AND SPORTS	853,914	+ 19.5%	+ 21.1%
08	HEALTH CARE FACILITIES	90,259	+ 15.2%	+ 14.8%
09	HOTELS AND MOTELS	1,576,254	+ 8.2%	+ 9.0%
10	SCHOOLS AND CHURCHES	449,830	+ 17.4%	+ 17.7%
11	APARTMENTS	1,036,357	+ 13.9%	+ 13.0%
12	BUILDINGS AND OFFICES	3,348,290	+ 7.2%	+ 6.7%
13	MISCELLANEOUS PREMISES	269,301	+ 10.0%	+ 10.5%
16	GOVERNMENTAL SUBDIVISIONS	33,399	+ 5.2%	+ 1.3%
	TOTAL	\$ 10,502,258	+ 10.2%	+ 10.2%

OREGON

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	\$ 39,868,160	- 13.9%	\$ 1,014,556	- 12.4%	- 12.4%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	41,826,258	- 8.7%	557,615	- 10.3%	- 10.3%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,676,294	- 9.2%	54,430	- 4.1%	- 4.1%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	37,951,725	- 10.2%	661,206	- 9.7%	- 9.7%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	9,915,282	- 10.3%	63,437	- 11.3%	- 11.3%
	PRODUCTS SUBTOTAL	\$ 135,237,719	- 10.8%	\$ 2,351,244	- 10.9%	- 10.9%
01	RETAIL STORES-FOOD OR DRUG			\$ 197,752	- 5.5%	- 5.7%
02	RETAIL STORES-NOT FOOD OR DRUG			471,771	- 1.8%	- 1.9%
11	COMPLETED OPERATIONS-LOW			368,249	- 1.5%	- 1.9%
12	COMPLETED OPERATIONS-MEDIUM			6,709,756	- 1.6%	- 1.7%
13	COMPLETED OPERATIONS-HIGH			435,018	- 10.2%	- 9.6%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 8,182,546	- 2.2%	- 2.2%
	TOTAL			\$ 10,533,790	- 4.1%	- 4.1%

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

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.

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

- 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 -28% relative to current loss costs;
- OL&T classes reflect an upper cap of +35% and a lower cap of -20% relative to current loss costs;
- Products classes reflect an upper cap of +25% and a lower cap of -31% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +25% and a lower cap of -22% 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: 0.997

OL&T: 1.001

LP/CO: 0.997

The Commercial General Liability loss costs are rounded as follows:

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

for example:

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

STATE: 36 - OREGON  
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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
10010	501	.109	.104	4.8	10101	502	.260	.227	14.5	10160	501	1.670	1.580	5.7
10010	502	.123	.111	10.8	10105	501	1.950	1.840	6.0	10160	502	2.370	2.100	12.9
10015	501	5.290	4.590	15.3	10105	502	2.770	2.450	13.1	10204	501	.168	.159	5.7
10015	502	4.380	3.580	22.3	10107	501	2.940	3.190	-7.8	10204	502	.239	.212	12.7
10026	501	.490	.460	6.5	10107	502	2.760	2.970	-7.1	10205	501	.188	.178	5.6
10026	502	.690	.610	13.1	10110	501	18.000	15.600	15.4	10205	502	.270	.236	14.4
10036	501	.620	.670	-7.5	10110	502	14.900	12.200	22.1	10220	501	3.540	3.340	6.0
10036	502	.580	.620	-6.5	10111	501	.137	.131	4.6	10220	502	5.030	4.450	13.0
10040	501	.083	.079	5.1	10111	502	.154	.140	10.0	10255	501	.229	.248	-7.7
10040	502	.094	.085	10.6	10113	501	.270	.260	3.8	10255	502	.215	.231	-6.9
10042	501	.280	.260	7.7	10113	502	.380	.340	11.8	10256	501	.840	.910	-7.7
10042	502	.390	.350	11.4	10115	501	.540	.510	5.9	10256	502	.790	.850	-7.1
10052	501	3.660	3.180	15.1	10115	502	.760	.670	13.4	10257	501	.158	.171	-7.6
10052	502	3.030	2.480	22.2	10117	501	5.250	4.560	15.1	10257	502	.148	.160	-7.5
10054	501	3.250	2.820	15.2	10117	502	4.350	3.560	22.2	10309	501	.121	.115	5.2
10054	502	2.690	2.200	22.3	10120	501	11.800	10.200	15.7	10309	502	.172	.153	12.4
10060	501	.133	.126	5.6	10120	502	9.760	7.980	22.3	10315	501	.290	.270	7.4
10060	502	.189	.167	13.2	10130	501	2.660	2.510	6.0	10315	502	.410	.360	13.9
10065	501	.200	.189	5.8	10130	502	3.770	3.340	12.9	10331	501	7.170	6.230	15.1
10065	502	.280	.250	12.0	10132	501	2.290	2.160	6.0	10331	502	5.940	4.860	22.2
10066	501	.204	.192	6.2	10132	502	3.250	2.880	12.8	10332	501	12.400	10.700	15.9
10066	502	.290	.260	11.5	10133	501	3.420	3.190	7.2	10332	502	10.200	8.390	21.6
10070	501	.063	.060	5.0	10133	502	2.080	1.830	13.7	10352	501	.260	.250	4.0
10070	502	.070	.064	9.4	10140	501	.032	.031	3.2	10352	502	.300	.270	11.1
10071	501	.239	.226	5.8	10140	502	.031	.029	6.9	10367	501	2.950	3.170	-6.9
10071	502	.340	.300	13.3	10141	501	.064	.063	1.6	10367	502	2.880	3.070	-6.2
10072	501	3.340	3.590	-7.0	10141	502	.062	.057	8.8	10368	501	4.320	4.640	-6.9
10072	502	3.260	3.470	-6.1	10145	501	.310	.300	3.3	10368	502	4.210	4.490	-6.2
10073	501	.960	1.040	-7.7	10145	502	.300	.270	11.1	10378	501	7.260	6.300	15.2
10073	502	.900	.970	-7.2	10146	501	.202	.193	4.7	10378	502	6.010	4.920	22.2
10075	501	7.140	7.730	-7.6	10146	502	.227	.204	11.3	10379	501	3.370	2.930	15.0
10075	502	6.700	7.210	-7.1	10150	501	.370	.350	5.7	10379	502	2.790	2.280	22.4
10100	501	.450	.430	4.7	10150	502	.530	.470	12.8	10380	501	5.760	5.000	15.2
10100	502	.510	.460	10.9	10151	501	9.370	8.850	5.9	10380	502	4.770	3.900	22.3
10101	501	.180	.170	5.9	10151	502	13.300	11.800	12.7	10381	501	4.990	4.330	15.2

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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
10381	502	4.130	3.380	22.2	11208	501	1.100	1.190	-7.6	12361	502	.068	.062	9.7
11007	501	1.260	1.350	-6.7	11208	502	1.080	1.150	-6.1	12362	501	.069	.066	4.5
11007	502	1.230	1.310	-6.1	11209	501	5.190	5.570	-6.8	12362	502	.077	.070	10.0
11020	501	.227	.215	5.6	11209	502	5.060	5.390	-6.1	12373	501	.026	.025	4.0
11020	502	.320	.290	10.3	11210	501	2.210	2.370	-6.8	12373	502	.029	.027	7.4
11039	501	.840	.910	-7.7	11210	502	2.150	2.300	-6.5	12374	501	.460	.440	4.5
11039	502	.780	.840	-7.1	11211	501	11.500	12.300	-6.5	12374	502	.660	.580	13.8
11052	501	3.550	3.320	6.9	11211	502	11.200	11.900	-5.9	12375	501	.227	.215	5.6
11052	502	2.170	1.900	14.2	11212	501	1.740	1.870	-7.0	12375	502	.320	.290	10.3
11126	501	.047	.044	6.8	11212	502	1.690	1.800	-6.1	12391	501	.052	.049	6.1
11126	502	.067	.059	13.6	11213	501	1.420	1.520	-6.6	12391	502	.058	.053	9.4
11127	501	.350	.330	6.1	11213	502	1.380	1.470	-6.1	12393	501	.300	.280	7.1
11127	502	.390	.360	8.3	11214	501	3.490	3.750	-6.9	12393	502	.430	.380	13.2
11128	501	.470	.450	4.4	11214	502	3.400	3.620	-6.1	12467	501	.125	.118	5.9
11128	502	.530	.480	10.4	11222	501	.059	.063	-6.3	12467	502	.178	.158	12.7
11138	501	1.790	1.560	14.7	11222	502	.057	.061	-6.6	12509	501	.057	.062	-8.1
11138	502	1.490	1.220	22.1	11234	501	.211	.200	5.5	12509	502	.054	.058	-6.9
11155	501	.161	.152	5.9	11234	502	.300	.270	11.1	12510	501	.730	.790	-7.6
11155	502	.228	.202	12.9	11248	501	.044	.047	-6.4	12510	502	.680	.730	-6.8
11167	501	.820	.760	7.9	11248	502	.041	.044	-6.8	12583	501	.320	.350	-8.6
11167	502	.500	.440	13.6	11258	501	.550	.520	5.8	12583	502	.300	.330	-9.1
11168	501	4.250	3.960	7.3	11258	502	.610	.550	10.9	12651	501	.940	1.020	-7.8
11168	502	2.590	2.270	14.1	11259	501	.590	.560	5.4	12651	502	.880	.950	-7.4
11201	501	11.000	11.800	-6.8	11259	502	.660	.590	11.9	12683	501	.430	.470	-8.5
11201	502	10.700	11.400	-6.1	11273	501	10.500	9.900	6.1	12683	502	.400	.430	-7.0
11202	501	3.250	3.490	-6.9	11273	502	14.900	13.200	12.9	12707	501	.450	.430	4.7
11202	502	3.170	3.380	-6.2	11274	501	10.100	9.500	6.3	12707	502	.510	.460	10.9
11203	501	.810	.770	5.2	11274	502	14.300	12.700	12.6	12797	501	.095	.091	4.4
11203	502	.910	.830	9.6	11288	501	.670	.640	4.7	12797	502	.107	.097	10.3
11204	501	.235	.222	5.9	11288	502	.750	.680	10.3	12805	501	.243	.229	6.1
11204	502	.330	.300	10.0	12014	501	.094	.102	-7.8	12805	502	.340	.310	9.7
11206	501	.510	.550	-7.3	12014	502	.088	.095	-7.4	12841	501	.400	.380	5.3
11206	502	.500	.530	-5.7	12356	501	.890	.840	6.0	12841	502	.570	.510	11.8
11207	501	6.440	6.920	-6.9	12356	502	1.260	1.120	12.5	12927	501	.070	.067	4.5
11207	502	6.280	6.700	-6.3	12361	501	.070	.068	2.9	12927	502	.100	.089	12.4

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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	501	.036	.036	0.0	13621	502	.107	.116	-7.8	14734	501	.200	.189	5.8
13049	502	.035	.032	9.4	13670	501	.039	.038	2.6	14734	502	.280	.250	12.0
13111	501	.510	.480	6.2	13670	502	.038	.035	8.6	14855	501	.202	.218	-7.3
13111	502	.570	.510	11.8	13673	501	.410	.390	5.1	14855	502	.189	.203	-6.9
13112	501	.059	.058	1.7	13673	502	.460	.420	9.5	14913	501	.250	.237	5.5
13112	502	.057	.053	7.5	13715	501	.069	.066	4.5	14913	502	.360	.320	12.5
13201	501	.830	.900	-7.8	13715	502	.077	.070	10.0	15062	501	.181	.196	-7.7
13201	502	.780	.840	-7.1	13716	501	.340	.320	6.3	15062	502	.170	.183	-7.1
13204	501	.940	1.020	-7.8	13716	502	.480	.430	11.6	15063	501	.211	.228	-7.5
13204	502	.880	.950	-7.4	13720	501	.233	.222	5.0	15063	502	.198	.213	-7.0
13205	501	.360	.390	-7.7	13720	502	.260	.235	10.6	15070	501	.099	.106	-6.6
13205	502	.340	.370	-8.1	13759	501	.133	.126	5.6	15070	502	.097	.103	-5.8
13314	501	.090	.085	5.9	13759	502	.189	.167	13.2	15123	501	3.410	3.180	7.2
13314	502	.128	.113	13.3	13930	501	.147	.140	5.0	15123	502	2.080	1.820	14.3
13351	501	.219	.207	5.8	13930	502	.165	.149	10.7	15124	501	1.190	1.110	7.2
13351	502	.310	.280	10.7	14068	501	.029	.028	3.6	15124	502	.730	.640	14.1
13352	501	.223	.211	5.7	14068	502	.042	.037	13.5	15188	501	.320	.340	-5.9
13352	502	.320	.280	14.3	14101	501	.340	.330	3.0	15188	502	.300	.320	-6.3
13410	501	1.320	1.430	-7.7	14101	502	.490	.430	14.0	15223	501	.046	.045	2.2
13410	502	1.240	1.330	-6.8	14279	501	.440	.470	-6.4	15223	502	.045	.041	9.8
13412	501	.440	.480	-8.3	14279	502	.410	.440	-6.8	15224	501	.246	.235	4.7
13412	502	.420	.450	-6.7	14401	501	.550	.520	5.8	15224	502	.280	.249	12.4
13453	501	.510	.560	-8.9	14401	502	.620	.560	10.7	15314	501	.161	.152	5.9
13453	502	.480	.520	-7.7	14405	501	.740	.790	-6.3	15314	502	.228	.202	12.9
13454	501	.600	.650	-7.7	14405	502	.720	.770	-6.5	15404	501	.082	.089	-7.9
13454	502	.560	.610	-8.2	14527	501	.280	.270	3.7	15404	502	.077	.083	-7.2
13455	501	.610	.660	-7.6	14527	502	.320	.290	10.3	15405	501	.121	.132	-8.3
13455	502	.570	.620	-8.1	14655	501	.067	.063	6.3	15405	502	.114	.123	-7.3
13506	501	.690	.650	6.2	14655	502	.095	.084	13.1	15406	501	.310	.340	-8.8
13506	502	.980	.870	12.6	14731	501	3.530	3.290	7.3	15406	502	.290	.310	-6.5
13507	501	.830	.780	6.4	14731	502	2.150	1.890	13.8	15488	501	.770	.840	-8.3
13507	502	1.180	1.040	13.5	14732	501	.260	.243	7.0	15488	502	.720	.780	-7.7
13590	501	.450	.490	-8.2	14732	502	.159	.139	14.4	15538	501	.290	.270	7.4
13590	502	.430	.460	-6.5	14733	501	.470	.440	6.8	15538	502	.410	.360	13.9
13621	501	.115	.124	-7.3	14733	502	.660	.590	11.9	15600	501	.720	.680	5.9

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
15600	502	1.020	.910	12.1	16604	501	.192	.208	-7.7	16906	502	1.260	1.120	12.5
15607	501	.129	.139	-7.2	16604	502	.181	.194	-6.7	16910	501	1.370	1.300	5.4
15607	502	.126	.135	-6.7	16670	501	2.980	2.580	15.5	16910	502	1.120	1.000	12.0
15608	501	.161	.152	5.9	16670	502	2.470	2.020	22.3	16911	501	1.250	1.180	5.9
15608	502	.228	.202	12.9	16676	501	.223	.211	5.7	16911	502	1.020	.910	12.1
15656	501	4.740	4.480	5.8	16676	502	.320	.280	14.3	16915	501	1.410	1.340	5.2
15656	502	6.730	5.960	12.9	16694	501	.380	.410	-7.3	16915	502	1.150	1.030	11.7
15699	501	.320	.340	-5.9	16694	502	.360	.380	-5.3	16916	501	1.180	1.120	5.4
15699	502	.310	.330	-6.1	16705	501	.220	.209	5.3	16916	502	.960	.860	11.6
15733	501	.202	.218	-7.3	16705	502	.247	.224	10.3	16920	501	3.130	2.970	5.4
15733	502	.189	.203	-6.9	16750	501	.078	.074	5.4	16920	502	2.550	2.280	11.8
15839	501	.215	.203	5.9	16750	502	.111	.098	13.3	16921	501	2.860	2.710	5.5
15839	502	.310	.270	14.8	16751	501	.078	.074	5.4	16921	502	2.330	2.080	12.0
15991	501	.176	.166	6.0	16751	502	.111	.098	13.3	16930	501	1.800	1.710	5.3
15991	502	.250	.222	12.6	16819	501	1.100	1.190	-7.6	16930	502	1.470	1.310	12.2
15993	501	.149	.141	5.7	16819	502	1.030	1.110	-7.2	16931	501	1.940	1.840	5.4
15993	502	.211	.187	12.8	16820	501	.850	.920	-7.6	16931	502	1.580	1.410	12.1
16005	501	.036	.035	2.9	16820	502	.800	.860	-7.0	16940	501	3.900	3.700	5.4
16005	502	.041	.037	10.8	16881	501	1.230	1.160	6.0	16940	502	3.180	2.840	12.0
16009	501	.247	.270	-8.5	16881	502	1.740	1.540	13.0	16941	501	1.560	1.480	5.4
16009	502	.232	.250	-7.2	16890	501	.128	.139	-7.9	16941	502	1.270	1.140	11.4
16402	501	1.060	1.010	5.0	16890	502	.120	.129	-7.0	18078	501	.125	.119	5.0
16402	502	1.510	1.340	12.7	16891	501	.140	.151	-7.3	18078	502	.140	.127	10.2
16403	501	.670	.640	4.7	16891	502	.131	.141	-7.1	18109	501	.290	.280	3.6
16403	502	.960	.850	12.9	16892	501	.250	.280	-10.7	18109	502	.420	.370	13.5
16404	501	.850	.800	6.3	16892	502	.239	.260	-8.1	18110	501	.235	.222	5.9
16404	502	1.210	1.070	13.1	16900	501	2.290	2.170	5.5	18110	502	.330	.300	10.0
16471	501	.183	.196	-6.6	16900	502	1.870	1.670	12.0	18205	501	.192	.183	4.9
16471	502	.178	.190	-6.3	16901	501	1.470	1.390	5.8	18205	502	.216	.196	10.2
16501	501	.077	.074	4.1	16901	502	1.200	1.070	12.1	18206	501	.380	.360	5.6
16501	502	.087	.079	10.1	16902	501	1.250	1.180	5.9	18206	502	.540	.480	12.5
16527	501	.118	.113	4.4	16902	502	1.020	.910	12.1	18335	501	.270	.260	3.8
16527	502	.133	.121	9.9	16905	501	2.410	2.290	5.2	18335	502	.390	.340	14.7
16588	501	.115	.124	-7.3	16905	502	1.960	1.760	11.4	18435	501	.480	.460	4.3
16588	502	.107	.116	-7.8	16906	501	1.540	1.460	5.5	18435	502	.540	.480	12.5

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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	501	.390	.370	5.4	19795	502	.330	.290	13.8	41604	501	9.280	8.210	13.0
18436	502	.430	.390	10.3	19796	501	.270	.260	3.8	41604	502	6.780	5.650	20.0
18437	501	.390	.370	5.4	19796	502	.380	.340	11.8	41620	501	.920	.990	-7.1
18437	502	.560	.490	14.3	40045	501	165.000	143.000	15.4	41620	502	.900	.960	-6.3
18438	501	.750	.710	5.6	40045	502	137.000	112.000	22.3	41650	501	23.800	21.000	13.3
18438	502	1.070	.950	12.6	40046	501	32.600	28.300	15.2	41650	502	17.400	14.500	20.0
18501	501	.440	.420	4.8	40046	502	27.000	22.100	22.2	41664	501	25.000	21.700	15.2
18501	502	.490	.440	11.4	40047	501	11.600	10.100	14.9	41664	502	20.700	16.900	22.5
18506	501	.400	.440	-9.1	40047	502	9.620	7.870	22.2	41665	501	2.920	2.540	15.0
18506	502	.380	.410	-7.3	40059	501	4.160	3.610	15.2	41665	502	2.420	1.980	22.2
18507	501	.141	.133	6.0	40059	502	3.450	2.820	22.3	41667	501	68.200	59.200	15.2
18507	502	.200	.177	13.0	40061	501	2.210	1.910	15.7	41667	502	56.500	46.200	22.3
18570	501	1.470	1.390	5.8	40061	502	1.830	1.490	22.8	41668	501	64.000	55.500	15.3
18570	502	2.090	1.850	13.0	40063	501	73.800	64.100	15.1	41668	502	53.000	43.300	22.4
18616	501	.310	.330	-6.1	40063	502	61.100	50.000	22.2	41669	501	.450	.390	15.4
18616	502	.290	.310	-6.5	40064	501	21.700	18.800	15.4	41669	502	.370	.300	23.3
18707	501	.010	.010	0.0	40064	502	18.000	14.700	22.4	41670	501	.750	.650	15.4
18707	502	.012	.011	9.1	40075	501	43.000	40.500	6.2	41670	502	.620	.510	21.6
18708	501	.086	.081	6.2	40075	502	32.200	28.700	12.2	41677	501	.190	.204	-6.9
18708	502	.122	.108	13.0	40101	501	10.400	9.530	9.1	41677	502	.186	.198	-6.1
18833	501	.123	.117	5.1	40101	502	10.800	9.260	16.6	41678	501	68.500	66.300	3.3
18833	502	.139	.126	10.3	40102	501	9.230	8.420	9.6	41678	502	41.600	37.900	9.8
18834	501	.223	.211	5.7	40102	502	9.530	8.180	16.5	41680	501	12.400	10.900	13.8
18834	502	.320	.280	14.3	40111	501	5.850	5.070	15.4	41680	502	9.040	7.540	19.9
18911	501	.700	.670	4.5	40111	502	4.840	3.960	22.2	41696	501	.600	.650	-7.7
18911	502	1.000	.890	12.4	41001	501	.197	.171	15.2	41696	502	.590	.630	-6.3
18912	501	1.330	1.250	6.4	41001	502	.163	.134	21.6	41697	501	.420	.450	-6.7
18912	502	1.880	1.670	12.6	41421	501	.360	.320	12.5	41697	502	.410	.440	-6.8
18920	501	.340	.330	3.0	41421	502	.260	.217	19.8	41715	501	7.850	6.940	13.1
18920	502	.490	.430	14.0	41422	501	.190	.168	13.1	41715	502	5.740	4.780	20.1
19007	501	1.330	1.240	7.3	41422	502	.139	.116	19.8	41716	501	5.000	4.420	13.1
19007	502	.810	.710	14.1	41510	501	35.400	33.500	5.7	41716	502	3.650	3.040	20.1
19051	501	2.950	2.760	6.9	41510	502	50.300	44.600	12.8	43151	501	21.400	20.200	5.9
19051	502	1.800	1.580	13.9	41603	501	16.900	14.900	13.4	43151	502	16.000	14.300	11.9
19795	501	.231	.218	6.0	41603	502	12.300	10.300	19.4	43152	501	20.500	19.900	3.0

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LOSS COST % CHANGE BY CLASS

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43152	502	12.400	11.300	9.7	44070	501	2.710	2.350	15.3	44315	502	3.070	2.520	21.8
43200	501	81.400	76.800	6.0	44070	502	2.240	1.830	22.4	44427	501	37.800	34.500	9.6
43200	502	60.900	54.300	12.2	44071	501	3.010	2.620	14.9	44427	502	39.000	33.500	16.4
43421	501	22.300	21.000	6.2	44071	502	2.490	2.040	22.1	44428	501	38.000	34.600	9.8
43421	502	16.700	14.900	12.1	44072	501	2.080	1.810	14.9	44428	502	39.200	33.700	16.3
43422	501	117.000	110.000	6.4	44072	502	1.720	1.410	22.0	44429	501	.570	.520	9.6
43422	502	87.600	78.000	12.3	44100	501	4.770	4.700	1.5	44429	502	.590	.500	18.0
43470	501	3.500	3.760	-6.9	44100	502	3.420	3.180	7.5	44430	501	.400	.360	11.1
43470	502	3.420	3.640	-6.0	44101	501	4.970	4.900	1.4	44430	502	.410	.350	17.1
43518	501	10.700	9.290	15.2	44101	502	3.560	3.310	7.6	44431	501	1.260	1.150	9.6
43518	502	8.870	7.250	22.3	44102	501	3.880	3.820	1.6	44431	502	1.300	1.120	16.1
43550	501	79.600	75.000	6.1	44102	502	2.780	2.580	7.8	44432	501	.400	.370	8.1
43550	502	59.600	53.000	12.5	44103	501	3.430	3.380	1.5	44432	502	.410	.360	13.9
43551	501	44.100	41.600	6.0	44103	502	2.460	2.280	7.9	44433	501	12.800	11.600	10.3
43551	502	33.100	29.400	12.6	44104	501	1.440	1.420	1.4	44433	502	13.200	11.300	16.8
43626	501	8.550	7.430	15.1	44104	502	1.030	.960	7.3	44434	501	24.400	22.300	9.4
43626	502	7.080	5.800	22.1	44108	501	1.690	1.660	1.8	44434	502	25.200	21.700	16.1
43628	501	111.000	96.500	15.0	44108	502	1.210	1.120	8.0	44435	501	25.300	23.100	9.5
43628	502	92.100	75.300	22.3	44109	501	4.270	4.210	1.4	44435	502	26.100	22.400	16.5
43629	501	94.200	81.800	15.2	44109	502	3.060	2.850	7.4	44436	501	29.500	26.900	9.7
43629	502	78.000	63.800	22.3	44110	501	4.370	4.310	1.4	44436	502	30.500	26.200	16.4
43760	501	3.140	2.720	15.4	44110	502	3.130	2.910	7.6	44437	501	24.500	22.300	9.9
43760	502	2.600	2.130	22.1	44111	501	2.680	2.640	1.5	44437	502	25.300	21.700	16.6
43822	501	2.790	2.990	-6.7	44111	502	1.920	1.790	7.3	44438	501	19.300	17.600	9.7
43822	502	2.720	2.900	-6.2	44112	501	1.590	1.570	1.3	44438	502	20.000	17.200	16.3
43840	501	.034	.037	-8.1	44112	502	1.140	1.060	7.5	44439	501	37.700	34.400	9.6
43840	502	.033	.036	-8.3	44276	501	109.000	103.000	5.8	44439	502	38.900	33.400	16.5
43860	501	2.190	2.360	-7.2	44276	502	81.800	72.800	12.4	44440	501	31.200	28.400	9.9
43860	502	2.140	2.280	-6.1	44277	501	70.800	66.800	6.0	44440	502	32.200	27.600	16.7
43889	501	.780	.840	-7.1	44277	502	53.000	47.200	12.3	45190	501	2.500	2.390	4.6
43889	502	.760	.820	-7.3	44280	501	.190	.204	-6.9	45190	502	2.000	1.810	10.5
44009	501	4.150	3.880	7.0	44280	502	.186	.198	-6.1	45191	501	1.770	1.700	4.1
44009	502	2.530	2.220	14.0	44311	501	5.520	4.790	15.2	45191	502	1.420	1.280	10.9
44069	501	9.150	7.940	15.2	44311	502	4.570	3.740	22.2	45192	501	2.070	1.990	4.0
44069	502	7.570	6.200	22.1	44315	501	3.710	3.220	15.2	45192	502	1.660	1.500	10.7

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45193	501	1.220	1.170	4.3	46427	502	28.300	25.800	9.7	47475	501	3.570	3.160	13.0
45193	502	.980	.890	10.1	46603	501	2.930	2.840	3.2	47475	502	2.610	2.170	20.3
45210	501	1.550	1.480	4.7	46603	502	1.780	1.620	9.9	47476	501	3.570	3.160	13.0
45210	502	1.240	1.120	10.7	46604	501	3.380	3.270	3.4	47476	502	2.610	2.170	20.3
45334	501	46.900	44.200	6.1	46604	502	2.050	1.870	9.6	47477	501	4.760	4.210	13.1
45334	502	35.100	31.300	12.1	46606	501	9.010	8.730	3.2	47477	502	3.480	2.900	20.0
45380	501	.236	.260	-9.2	46606	502	5.470	4.990	9.6	47478	501	5.000	4.420	13.1
45380	502	.221	.238	-7.1	46607	501	12.400	12.000	3.3	47478	502	3.650	3.040	20.1
45450	501	13.800	13.000	6.2	46607	502	7.520	6.860	9.6	48039	501	57.700	54.400	6.1
45450	502	10.300	9.200	12.0	46622	501	8.140	8.740	-6.9	48039	502	43.200	38.500	12.2
45678	501	.206	.221	-6.8	46622	502	7.940	8.460	-6.1	48206	501	22.600	19.600	15.3
45678	502	.200	.214	-6.5	46700	501	164.000	154.000	6.5	48206	502	18.700	15.300	22.2
45771	501	.360	.390	-7.7	46700	502	123.000	109.000	12.8	48441	501	.095	.083	14.5
45771	502	.340	.360	-5.6	46911	501	16.900	14.700	15.0	48441	502	.079	.064	23.4
45819	501	.117	.127	-7.9	46911	502	14.000	11.500	21.7	48557	501	9.500	8.250	15.2
45819	502	.110	.118	-6.8	46912	501	31.000	26.900	15.2	48557	502	7.870	6.440	22.2
45900	501	.082	.078	5.1	46912	502	25.700	21.000	22.4	48558	501	8.270	7.180	15.2
45900	502	.117	.103	13.6	47050	501	.760	.820	-7.3	48558	502	6.850	5.600	22.3
45901	501	.070	.067	4.5	47050	502	.740	.790	-6.3	48600	501	69.800	67.600	3.3
45901	502	.100	.089	12.4	47221	501	180.000	169.000	6.5	48600	502	42.400	38.700	9.6
45937	501	.184	.173	6.4	47221	502	134.000	120.000	11.7	48636	501	1.050	1.190	-11.8
45937	502	.138	.123	12.2	47318	501	6.960	6.040	15.2	48636	502	1.920	2.160	-11.1
46004	501	22.600	20.000	13.0	47318	502	5.760	4.720	22.0	48637	501	7.260	6.300	15.2
46004	502	16.500	13.800	19.6	47367	501	.190	.204	-6.9	48637	502	6.010	4.920	22.2
46005	501	18.100	16.000	13.1	47367	502	.186	.198	-6.1	48638	501	3.600	3.130	15.0
46005	502	13.200	11.000	20.0	47420	501	1.520	1.320	15.2	48638	502	2.980	2.440	22.1
46112	501	.041	.037	10.8	47420	502	1.260	1.030	22.3	48808	501	1.210	1.150	5.2
46112	502	.042	.036	16.7	47469	501	3.570	3.160	13.0	48808	502	1.720	1.530	12.4
46202	501	3.170	3.040	4.3	47469	502	2.610	2.170	20.3	48925	501	174.000	151.000	15.2
46202	502	2.540	2.300	10.4	47471	501	3.090	2.740	12.8	48925	502	144.000	118.000	22.0
46362	501	239.000	231.000	3.5	47471	502	2.260	1.880	20.2	49005	501	.129	.139	-7.2
46362	502	145.000	132.000	9.8	47473	501	4.050	3.580	13.1	49005	502	.126	.135	-6.7
46426	501	34.900	33.800	3.3	47473	502	2.950	2.460	19.9	49111	501	1.860	1.750	6.3
46426	502	21.200	19.300	9.8	47474	501	4.520	4.000	13.0	49111	502	2.640	2.330	13.3
46427	501	46.600	45.200	3.1	47474	502	3.300	2.750	20.0	49181	501	18.900	17.800	6.2

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49181	502	14.100	12.600	11.9	50017	501	.069	.075	-8.0	51250	502	.300	.340	-11.8
49183	501	23.000	21.700	6.0	50017	502	.090	.097	-7.2	51251	501	.025	.027	-7.4
49183	502	17.200	15.300	12.4	50045	501	.157	.171	-8.2	51251	502	.032	.035	-8.6
49184	501	48.500	45.700	6.1	50045	502	.205	.222	-7.7	51252	501	.086	.094	-8.5
49184	502	36.300	32.300	12.4	50047	501	.018	.019	-5.3	51252	502	.113	.122	-7.4
49185	501	44.100	41.600	6.0	50047	502	.023	.025	-8.0	51253	501	.073	.080	-8.7
49185	502	33.100	29.400	12.6	51001	501	.036	.041	-12.2	51253	502	.096	.104	-7.7
49239	501	.176	.191	-7.9	51001	502	.066	.074	-10.8	51254	501	.023	.025	-8.0
49239	502	.165	.178	-7.3	51005	501	.007	.008	-12.5	51254	502	.030	.032	-6.3
49292	501	1.380	1.300	6.2	51005	502	.014	.015	-6.7	51255	501	.420	.480	-12.5
49292	502	1.030	.920	12.0	51116	501	.091	.104	-12.5	51255	502	.770	.870	-11.5
49333	501	10.100	9.540	5.9	51116	502	.166	.188	-11.7	51300	501	.109	.118	-7.6
49333	502	7.580	6.750	12.3	51201	501	.024	.026	-7.7	51300	502	.130	.140	-7.1
49617	501	.280	.260	7.7	51201	502	.031	.034	-8.8	51305	501	.109	.118	-7.6
49617	502	.171	.150	14.0	51205	501	.072	.079	-8.9	51305	502	.130	.140	-7.1
49618	501	.236	.220	7.3	51205	502	.094	.102	-7.8	51315	501	.115	.124	-7.3
49618	502	.144	.126	14.3	51206	501	.011	.012	-8.3	51315	502	.107	.116	-7.8
49619	501	.440	.410	7.3	51206	502	.015	.016	-6.3	51330	501	.064	.073	-12.3
49619	502	.270	.237	13.9	51210	501	.063	.072	-12.5	51330	502	.117	.132	-11.4
49763	501	2.880	2.680	7.5	51210	502	.115	.130	-11.5	51333	501	.021	.024	-12.5
49763	502	1.750	1.540	13.6	51220	501	.217	.246	-11.8	51333	502	.038	.043	-11.6
49801	501	158.000	149.000	6.0	51220	502	.390	.450	-13.3	51340	501	.023	.025	-8.0
49801	502	118.000	105.000	12.4	51221	501	.120	.137	-12.4	51340	502	.031	.033	-6.1
49802	501	14.000	13.200	6.1	51221	502	.219	.247	-11.3	51350	501	.183	.199	-8.0
49802	502	10.500	9.350	12.3	51222	501	.146	.166	-12.0	51350	502	.218	.235	-7.2
49803	501	24.800	23.400	6.0	51222	502	.270	.300	-10.0	51351	501	.164	.178	-7.9
49803	502	18.600	16.600	12.0	51224	501	.154	.174	-11.5	51351	502	.195	.210	-7.1
49840	501	.780	.840	-7.1	51224	502	.280	.320	-12.5	51352	501	.224	.244	-8.2
49840	502	.760	.820	-7.3	51230	501	.026	.030	-13.3	51352	502	.270	.290	-6.9
49870	501	72.600	63.100	15.1	51230	502	.047	.054	-13.0	51355	501	.153	.166	-7.8
49870	502	60.200	49.200	22.4	51240	501	.280	.310	-9.7	51355	502	.182	.197	-7.6
50010	501	.139	.151	-7.9	51240	502	.370	.400	-7.5	51356	501	.165	.179	-7.8
50010	502	.181	.197	-8.1	51241	501	.850	.920	-7.6	51356	502	.197	.212	-7.1
50015	501	.090	.098	-8.2	51241	502	1.110	1.200	-7.5	51357	501	.163	.176	-7.4
50015	502	.118	.128	-7.8	51250	501	.167	.189	-11.6	51357	502	.153	.164	-6.7

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STATE: 36 - OREGON  
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
51358	501	.390	.420	-7.1	51613	502	.074	.080	-7.5	51853	501	.099	.113	-12.4
51358	502	.370	.400	-7.5	51625	501	.033	.038	-13.2	51853	502	.181	.204	-11.3
51359	501	.340	.370	-8.1	51625	502	.060	.068	-11.8	51854	501	.223	.250	-10.8
51359	502	.320	.350	-8.6	51666	501	.078	.084	-7.1	51854	502	.410	.460	-10.9
51370	501	.280	.300	-6.7	51666	502	.093	.100	-7.0	51855	501	.234	.270	-13.3
51370	502	.360	.390	-7.7	51702	501	.099	.113	-12.4	51855	502	.430	.480	-10.4
51380	501	.028	.030	-6.7	51702	502	.181	.204	-11.3	51856	501	.128	.146	-12.3
51380	502	.036	.039	-7.7	51703	501	.041	.047	-12.8	51856	502	.234	.260	-10.0
51400	501	.151	.171	-11.7	51703	502	.075	.084	-10.7	51857	501	.220	.249	-11.6
51400	502	.270	.310	-12.9	51734	501	.077	.088	-12.5	51857	502	.400	.450	-11.1
51401	501	.222	.250	-11.2	51734	502	.141	.159	-11.3	51869	501	.064	.069	-7.2
51401	502	.400	.460	-13.0	51741	501	.148	.161	-8.1	51869	502	.083	.090	-7.8
51500	501	.053	.057	-7.0	51741	502	.194	.210	-7.6	51877	501	.360	.390	-7.7
51500	502	.069	.075	-8.0	51752	501	.125	.136	-8.1	51877	502	.470	.510	-7.8
51516	501	.057	.061	-6.6	51752	502	.164	.177	-7.3	51889	501	.059	.064	-7.8
51516	502	.056	.059	-5.1	51767	501	.023	.025	-8.0	51889	502	.077	.084	-8.3
51517	501	.065	.070	-7.1	51767	502	.027	.029	-6.9	51896	501	.028	.030	-6.7
51517	502	.063	.067	-6.0	51777	501	.079	.086	-8.1	51896	502	.036	.039	-7.7
51550	501	.065	.071	-8.5	51777	502	.094	.101	-6.9	51900	501	.088	.096	-8.3
51550	502	.085	.092	-7.6	51790	501	.131	.143	-8.4	51900	502	.105	.114	-7.9
51551	501	.023	.025	-8.0	51790	502	.157	.169	-7.1	51909	501	.140	.159	-11.9
51551	502	.030	.032	-6.3	51796	501	.054	.059	-8.5	51909	502	.260	.290	-10.3
51552	501	.039	.043	-9.3	51796	502	.071	.077	-7.8	51919	501	.059	.065	-9.2
51552	502	.051	.055	-7.3	51808	501	.192	.209	-8.1	51919	502	.078	.084	-7.1
51553	501	.070	.076	-7.9	51808	502	.250	.270	-7.4	51926	501	.061	.066	-7.6
51553	502	.091	.099	-8.1	51809	501	.238	.260	-8.5	51926	502	.079	.086	-8.1
51554	501	.007	.007	0.0	51809	502	.310	.340	-8.8	51927	501	.033	.036	-8.3
51554	502	.009	.009	0.0	51833	501	.118	.129	-8.5	51927	502	.043	.046	-6.5
51575	501	.049	.053	-7.5	51833	502	.141	.152	-7.2	51934	501	.066	.072	-8.3
51575	502	.058	.063	-7.9	51850	501	.156	.176	-11.4	51934	502	.087	.094	-7.4
51576	501	.125	.136	-8.1	51850	502	.280	.320	-12.5	51941	501	.060	.066	-9.1
51576	502	.164	.177	-7.3	51851	501	.105	.119	-11.8	51941	502	.079	.086	-8.1
51600	501	.085	.093	-8.6	51851	502	.192	.216	-11.1	51942	501	.096	.105	-8.6
51600	502	.111	.121	-8.3	51852	501	.247	.280	-11.8	51942	502	.126	.137	-8.0
51613	501	.056	.061	-8.2	51852	502	.450	.510	-11.8	51956	501	.260	.280	-7.1

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
51956	502	.340	.370	-8.1	52341	501	.030	.034	-11.8	52744	502	.540	.580	-6.9
51957	501	.229	.250	-8.4	52341	502	.055	.062	-11.3	52767	501	.130	.148	-12.2
51957	502	.300	.330	-9.1	52342	501	.087	.099	-12.1	52767	502	.237	.270	-12.2
51958	501	.204	.222	-8.1	52342	502	.159	.179	-11.2	52911	501	.037	.040	-7.5
51958	502	.270	.290	-6.9	52343	501	.053	.060	-11.7	52911	502	.048	.052	-7.7
51959	501	.209	.227	-7.9	52343	502	.097	.109	-11.0	52967	501	.014	.015	-6.7
51959	502	.270	.300	-10.0	52401	501	.165	.187	-11.8	52967	502	.018	.020	-10.0
51960	501	.028	.030	-6.7	52401	502	.300	.340	-11.8	53001	501	.135	.147	-8.2
51960	502	.036	.039	-7.7	52402	501	.013	.014	-7.1	53001	502	.176	.191	-7.9
51970	501	.120	.130	-7.7	52402	502	.017	.018	-5.6	53077	501	.065	.070	-7.1
51970	502	.157	.170	-7.6	52432	501	.064	.070	-8.6	53077	502	.085	.092	-7.6
51982	501	.035	.038	-7.9	52432	502	.084	.091	-7.7	53095	501	.044	.048	-8.3
51982	502	.046	.050	-8.0	52433	501	.059	.064	-7.8	53095	502	.058	.063	-7.9
51985	501	.053	.057	-7.0	52433	502	.077	.083	-7.2	53096	501	.062	.067	-7.5
51985	502	.052	.055	-5.5	52435	501	.074	.080	-7.5	53096	502	.081	.088	-8.0
51986	501	.139	.151	-7.9	52435	502	.096	.104	-7.7	53121	501	.175	.191	-8.4
51986	502	.181	.197	-8.1	52438	501	.053	.058	-8.6	53121	502	.230	.249	-7.6
51999	501	.058	.064	-9.4	52438	502	.070	.075	-6.7	53147	501	.022	.025	-12.0
51999	502	.076	.083	-8.4	52440	501	.083	.091	-8.8	53147	502	.040	.045	-11.1
52002	501	.051	.056	-8.9	52440	502	.109	.118	-7.6	53229	501	.123	.140	-12.1
52002	502	.067	.073	-8.2	52467	501	.077	.084	-8.3	53229	502	.225	.250	-10.0
52075	501	.122	.139	-12.2	52467	502	.101	.109	-7.3	53271	501	.033	.036	-8.3
52075	502	.223	.250	-10.8	52469	501	.027	.029	-6.9	53271	502	.043	.047	-8.5
52076	501	.147	.167	-12.0	52469	502	.035	.038	-7.9	53333	501	.121	.138	-12.3
52076	502	.270	.300	-10.0	52505	501	.134	.146	-8.2	53333	502	.221	.249	-11.2
52109	501	.013	.014	-7.1	52505	502	.176	.191	-7.9	53374	501	.119	.130	-8.5
52109	502	.017	.018	-5.6	52547	501	.142	.162	-12.3	53374	502	.142	.154	-7.8
52134	501	.172	.187	-8.0	52547	502	.260	.290	-10.3	53375	501	.063	.069	-8.7
52134	502	.225	.243	-7.4	52581	501	.660	.710	-7.0	53375	502	.075	.081	-7.4
52137	501	.048	.055	-12.7	52581	502	.860	.930	-7.5	53376	501	.101	.110	-8.2
52137	502	.088	.099	-11.1	52619	501	.046	.050	-8.0	53376	502	.121	.131	-7.6
52150	501	.320	.340	-5.9	52619	502	.060	.065	-7.7	53377	501	.104	.113	-8.0
52150	502	.410	.450	-8.9	52660	501	.068	.073	-6.8	53377	502	.124	.134	-7.5
52315	501	.103	.112	-8.0	52660	502	.066	.070	-5.7	53403	501	.066	.071	-7.0
52315	502	.122	.132	-7.6	52744	501	.450	.490	-8.2	53403	502	.078	.085	-8.2

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LOSS COST % CHANGE BY CLASS

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53425	501	.114	.130	-12.3	55371	502	.360	.390	-7.7	56202	501	.049	.053	-7.5
53425	502	.208	.235	-11.5	55426	501	.125	.142	-12.0	56202	502	.064	.070	-8.6
53565	501	.076	.083	-8.4	55426	502	.228	.260	-12.3	56390	501	.086	.093	-7.5
53565	502	.091	.098	-7.1	55597	501	.017	.019	-10.5	56390	502	.112	.121	-7.4
53631	501	.020	.022	-9.1	55597	502	.023	.025	-8.0	56391	501	.074	.080	-7.5
53631	502	.027	.029	-6.9	55647	501	.035	.038	-7.9	56391	502	.096	.104	-7.7
53632	501	.023	.025	-8.0	55647	502	.045	.049	-8.2	56427	501	.118	.129	-8.5
53632	502	.031	.033	-6.1	55648	501	.016	.017	-5.9	56427	502	.155	.168	-7.7
53731	501	.021	.023	-8.7	55648	502	.021	.022	-4.5	56488	501	.131	.143	-8.4
53731	502	.028	.030	-6.7	55649	501	.019	.020	-5.0	56488	502	.157	.169	-7.1
53732	501	.147	.160	-8.1	55649	502	.025	.027	-7.4	56567	501	.116	.132	-12.1
53732	502	.192	.208	-7.7	55715	501	.138	.150	-8.0	56567	502	.212	.239	-11.3
53733	501	.095	.104	-8.7	55715	502	.180	.195	-7.7	56650	501	.360	.400	-10.0
53733	502	.125	.135	-7.4	55716	501	.199	.217	-8.3	56650	502	.650	.730	-11.0
53734	501	.340	.370	-8.1	55716	502	.260	.280	-7.1	56651	501	.194	.220	-11.8
53734	502	.330	.360	-8.3	55717	501	.166	.188	-11.7	56651	502	.350	.400	-12.5
53803	501	.270	.310	-12.9	55717	502	.300	.340	-11.8	56652	501	.138	.157	-12.1
53803	502	.500	.560	-10.7	55718	501	.161	.182	-11.5	56652	502	.250	.280	-10.7
53907	501	.064	.070	-8.6	55718	502	.290	.330	-12.1	56653	501	.133	.151	-11.9
53907	502	.084	.091	-7.7	55802	501	.079	.086	-8.1	56653	502	.243	.270	-10.0
54012	501	.034	.037	-8.1	55802	502	.094	.101	-6.9	56654	501	.068	.077	-11.7
54012	502	.033	.036	-8.3	55918	501	.079	.086	-8.1	56654	502	.124	.140	-11.4
54077	501	.088	.096	-8.3	55918	502	.103	.112	-8.0	56690	501	.068	.074	-8.1
54077	502	.115	.125	-8.0	55919	501	.011	.012	-8.3	56690	502	.081	.088	-8.0
55010	501	.270	.290	-6.9	55919	502	.014	.015	-6.7	56699	501	.055	.059	-6.8
55010	502	.350	.380	-7.9	56040	501	.007	.008	-12.5	56699	502	.071	.077	-7.8
55011	501	.072	.078	-7.7	56040	502	.010	.011	-9.1	56758	501	.046	.050	-8.0
55011	502	.094	.102	-7.8	56041	501	.049	.053	-7.5	56758	502	.061	.066	-7.6
55012	501	.086	.093	-7.5	56041	502	.064	.070	-8.6	56759	501	.047	.052	-9.6
55012	502	.112	.121	-7.4	56042	501	.062	.067	-7.5	56759	502	.062	.067	-7.5
55013	501	.103	.117	-12.0	56042	502	.081	.088	-8.0	56760	501	.068	.074	-8.1
55013	502	.188	.212	-11.3	56170	501	.112	.127	-11.8	56760	502	.089	.096	-7.3
55214	501	.069	.076	-9.2	56170	502	.205	.231	-11.3	56805	501	.090	.097	-7.2
55214	502	.091	.098	-7.1	56171	501	.055	.063	-12.7	56805	502	.117	.127	-7.9
55371	501	.300	.330	-9.1	56171	502	.100	.113	-11.5	56806	501	.063	.069	-8.7

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56806	502	.083	.090	-7.8	57146	501	.116	.132	-12.1	57800	502	.096	.104	-7.7
56807	501	.063	.068	-7.4	57146	502	.212	.239	-11.3	57808	501	.031	.035	-11.4
56807	502	.082	.089	-7.9	57202	501	.061	.066	-7.6	57808	502	.057	.064	-10.9
56808	501	.082	.089	-7.9	57202	502	.079	.086	-8.1	57809	501	.032	.036	-11.1
56808	502	.107	.116	-7.8	57257	501	.075	.082	-8.5	57809	502	.058	.066	-12.1
56900	501	.079	.086	-8.1	57257	502	.098	.107	-8.4	57810	501	.031	.035	-11.4
56900	502	.103	.112	-8.0	57401	501	.043	.046	-6.5	57810	502	.057	.064	-10.9
56910	501	.039	.043	-9.3	57401	502	.056	.061	-8.2	57871	501	.037	.042	-11.9
56910	502	.052	.056	-7.1	57403	501	.161	.175	-8.0	57871	502	.068	.076	-10.5
56911	501	.100	.114	-12.3	57403	502	.192	.207	-7.2	57913	501	.094	.103	-8.7
56911	502	.183	.206	-11.2	57410	501	.021	.022	-4.5	57913	502	.124	.134	-7.5
56912	501	.081	.092	-12.0	57410	502	.027	.029	-6.9	57997	501	.076	.082	-7.3
56912	502	.148	.167	-11.4	57411	501	.028	.032	-12.5	57997	502	.074	.079	-6.3
56913	501	.066	.075	-12.0	57411	502	.051	.058	-12.1	57998	501	.042	.046	-8.7
56913	502	.121	.136	-11.0	57572	501	.012	.013	-7.7	57998	502	.055	.059	-6.8
56915	501	.390	.440	-11.4	57572	502	.016	.017	-5.9	57999	501	.051	.058	-12.1
56915	502	.710	.810	-12.3	57600	501	.036	.039	-7.7	57999	502	.093	.105	-11.4
56916	501	.350	.400	-12.5	57600	502	.047	.051	-7.8	58009	501	.051	.058	-12.1
56916	502	.640	.730	-12.3	57611	501	.060	.068	-11.8	58009	502	.093	.105	-11.4
56917	501	.102	.116	-12.1	57611	502	.110	.124	-11.3	58010	501	.097	.106	-8.5
56917	502	.186	.210	-11.4	57625	501	.320	.350	-8.6	58010	502	.127	.138	-8.0
56918	501	.049	.056	-12.5	57625	502	.420	.450	-6.7	58020	501	.173	.188	-8.0
56918	502	.089	.101	-11.9	57651	501	.039	.042	-7.1	58020	502	.206	.223	-7.6
56919	501	.125	.142	-12.0	57651	502	.050	.055	-9.1	58056	501	.116	.126	-7.9
56919	502	.228	.260	-12.3	57690	501	.078	.089	-12.4	58056	502	.152	.164	-7.3
56920	501	.114	.130	-12.3	57690	502	.142	.161	-11.8	58057	501	.073	.079	-7.6
56920	502	.208	.235	-11.5	57716	501	.037	.042	-11.9	58057	502	.096	.104	-7.7
56980	501	.068	.074	-8.1	57716	502	.068	.076	-10.5	58058	501	.066	.071	-7.0
56980	502	.089	.097	-8.2	57725	501	.081	.092	-12.0	58058	502	.086	.093	-7.5
57001	501	.023	.025	-8.0	57725	502	.148	.167	-11.4	58095	501	.092	.100	-8.0
57001	502	.031	.033	-6.1	57726	501	.063	.072	-12.5	58095	502	.121	.131	-7.6
57002	501	.015	.016	-6.3	57726	502	.115	.130	-11.5	58096	501	.123	.133	-7.5
57002	502	.020	.021	-4.8	57798	501	.020	.021	-4.8	58096	502	.160	.174	-8.0
57090	501	.184	.208	-11.5	57798	502	.026	.028	-7.1	58301	501	.039	.044	-11.4
57090	502	.330	.380	-13.2	57800	501	.073	.079	-7.6	58301	502	.071	.080	-11.2

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LOSS COST % CHANGE BY CLASS

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58302	501	.033	.036	-8.3	58737	502	.114	.123	-7.3	59223	501	.117	.133	-12.0
58302	502	.043	.047	-8.5	58756	501	.048	.055	-12.7	59223	502	.214	.241	-11.2
58397	501	.192	.209	-8.1	58756	502	.088	.099	-11.1	59257	501	.013	.014	-7.1
58397	502	.250	.270	-7.4	58757	501	.290	.320	-9.4	59257	502	.017	.019	-10.5
58408	501	.045	.048	-6.3	58757	502	.380	.410	-7.3	59306	501	.083	.090	-7.8
58408	502	.044	.047	-6.4	58759	501	.036	.039	-7.7	59306	502	.109	.118	-7.6
58409	501	.057	.061	-6.6	58759	502	.047	.051	-7.8	59378	501	.076	.086	-11.6
58409	502	.056	.059	-5.1	58802	501	.041	.045	-8.9	59378	502	.139	.157	-11.5
58456	501	.030	.033	-9.1	58802	502	.054	.058	-6.9	59481	501	.223	.243	-8.2
58456	502	.030	.032	-6.3	58813	501	.118	.134	-11.9	59481	502	.290	.320	-9.4
58457	501	.044	.047	-6.4	58813	502	.215	.243	-11.5	59482	501	.360	.390	-7.7
58457	502	.043	.046	-6.5	58822	501	.113	.123	-8.1	59482	502	.430	.460	-6.5
58458	501	.057	.061	-6.6	58822	502	.148	.160	-7.5	59537	501	.082	.093	-11.8
58458	502	.056	.059	-5.1	58837	501	.238	.270	-11.9	59537	502	.150	.169	-11.2
58459	501	.069	.074	-6.8	58837	502	.430	.490	-12.2	59601	501	.084	.091	-7.7
58459	502	.067	.071	-5.6	58840	501	.071	.081	-12.3	59601	502	.110	.119	-7.6
58503	501	.051	.056	-8.9	58840	502	.130	.146	-11.0	59647	501	.160	.174	-8.0
58503	502	.067	.073	-8.2	58873	501	.113	.129	-12.4	59647	502	.191	.206	-7.3
58532	501	.066	.072	-8.3	58873	502	.206	.233	-11.6	59660	501	.155	.168	-7.7
58532	502	.087	.094	-7.4	58903	501	.026	.028	-7.1	59660	502	.202	.219	-7.8
58559	501	.013	.015	-13.3	58903	502	.034	.037	-8.1	59661	501	.076	.082	-7.3
58559	502	.018	.019	-5.3	58904	501	.020	.022	-9.1	59661	502	.099	.107	-7.5
58560	501	.033	.035	-5.7	58904	502	.026	.028	-7.1	59693	501	.013	.014	-7.1
58560	502	.043	.046	-6.5	58922	501	.189	.214	-11.7	59693	502	.017	.018	-5.6
58575	501	.042	.046	-8.7	58922	502	.340	.390	-12.8	59701	501	.006	.007	-14.3
58575	502	.055	.059	-6.8	59005	501	.049	.053	-7.5	59701	502	.008	.009	-11.1
58627	501	.134	.146	-8.2	59005	502	.064	.070	-8.6	59713	501	.138	.151	-8.6
58627	502	.176	.191	-7.9	59057	501	.360	.400	-10.0	59713	502	.181	.196	-7.7
58663	501	.260	.290	-10.3	59057	502	.480	.510	-5.9	59722	501	.072	.078	-7.7
58663	502	.470	.530	-11.3	59058	501	.235	.260	-9.6	59722	502	.094	.102	-7.8
58682	501	.120	.130	-7.7	59058	502	.310	.330	-6.1	59723	501	.027	.029	-6.9
58682	502	.157	.170	-7.6	59188	501	.340	.370	-8.1	59723	502	.035	.038	-7.9
58713	501	.050	.055	-9.1	59188	502	.410	.440	-6.8	59724	501	.041	.045	-8.9
58713	502	.060	.065	-7.7	59189	501	.470	.510	-7.8	59724	502	.054	.059	-8.5
58737	501	.087	.094	-7.4	59189	502	.560	.610	-8.2	59725	501	.052	.056	-7.1

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LOSS COST % CHANGE BY CLASS

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59725	502	.067	.073	-8.2	59892	501	.077	.088	-12.5	59970	502	.128	.144	-11.1
59726	501	.037	.041	-9.8	59892	502	.141	.159	-11.3	59973	501	.106	.115	-7.8
59726	502	.049	.053	-7.5	59904	501	.052	.059	-11.9	59973	502	.138	.150	-8.0
59738	501	.120	.130	-7.7	59904	502	.095	.107	-11.2	59975	501	.098	.112	-12.5
59738	502	.157	.170	-7.6	59905	501	.065	.071	-8.5	59975	502	.179	.202	-11.4
59750	501	.061	.069	-11.6	59905	502	.085	.092	-7.6	59977	501	.056	.064	-12.5
59750	502	.111	.126	-11.9	59914	501	.380	.420	-9.5	59977	502	.102	.115	-11.3
59751	501	.022	.025	-12.0	59914	502	.500	.540	-7.4	59984	501	.029	.031	-6.5
59751	502	.040	.045	-11.1	59915	501	.174	.197	-11.7	59984	502	.038	.041	-7.3
59773	501	.020	.022	-9.1	59915	502	.320	.360	-11.1	59985	501	.113	.123	-8.1
59773	502	.024	.026	-7.7	59917	501	.032	.036	-11.1	59985	502	.148	.161	-8.1
59774	501	.017	.018	-5.6	59917	502	.058	.066	-12.1	59986	501	.086	.094	-8.5
59774	502	.020	.022	-9.1	59923	501	.009	.010	-10.0	59986	502	.113	.123	-8.1
59775	501	.021	.023	-8.7	59923	502	.012	.013	-7.7	59988	501	.025	.028	-10.7
59775	502	.026	.028	-7.1	59925	501	.350	.380	-7.9	59988	502	.046	.052	-11.5
59781	501	.053	.060	-11.7	59925	502	.330	.360	-8.3	59989	501	.015	.016	-6.3
59781	502	.097	.109	-11.0	59926	501	.300	.330	-9.1	59989	502	.020	.021	-4.8
59782	501	.079	.090	-12.2	59926	502	.280	.300	-6.7	60010	501	19.600	17.800	10.1
59782	502	.144	.163	-11.7	59927	501	.202	.218	-7.3	60010	502	10.800	9.290	16.3
59783	501	.077	.088	-12.5	59927	502	.189	.203	-6.9	60011	501	22.500	20.500	9.8
59783	502	.141	.159	-11.3	59931	501	.172	.187	-8.0	60011	502	12.400	10.700	15.9
59784	501	.059	.067	-11.9	59931	502	.225	.243	-7.4	60012	501	37.000	33.700	9.8
59784	502	.108	.122	-11.5	59932	501	.185	.201	-8.0	60012	502	20.400	17.600	15.9
59790	501	.092	.100	-8.0	59932	502	.242	.260	-6.9	60013	501	31.700	28.900	9.7
59790	502	.121	.131	-7.6	59941	501	.058	.063	-7.9	60013	502	17.500	15.100	15.9
59798	501	.202	.229	-11.8	59941	502	.075	.082	-8.5	60015	501	23.700	21.600	9.7
59798	502	.370	.410	-9.8	59947	501	.052	.059	-11.9	60015	502	13.100	11.200	17.0
59806	501	.144	.164	-12.2	59947	502	.095	.107	-11.2	60016	501	26.600	24.300	9.5
59806	502	.260	.300	-13.3	59955	501	.022	.024	-8.3	60016	502	14.700	12.600	16.7
59867	501	.104	.113	-8.0	59955	502	.029	.031	-6.5	60035	501	41.900	40.600	3.2
59867	502	.136	.147	-7.5	59963	501	.164	.178	-7.9	60035	502	25.400	23.200	9.5
59886	501	.014	.015	-6.7	59963	502	.215	.232	-7.3	61000	501	19.400	17.700	9.6
59886	502	.018	.020	-10.0	59964	501	.380	.420	-9.5	61000	502	10.700	9.200	16.3
59889	501	.067	.073	-8.2	59964	502	.500	.540	-7.4	61212	501	22.500	21.800	3.2
59889	502	.080	.086	-7.0	59970	501	.070	.080	-12.5	61212	502	13.700	12.500	9.6

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LOSS COST % CHANGE BY CLASS

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61216	501	25.000	24.200	3.3	63216	502	25.700	23.400	9.8	67635	501	33.800	32.700	3.4
61216	502	15.200	13.800	10.1	63217	501	33.100	28.800	14.9	67635	502	20.500	18.700	9.6
61217	501	22.800	22.000	3.6	63217	502	27.400	22.400	22.3	68001	501	103.000	99.900	3.1
61217	502	13.800	12.600	9.5	63218	501	11.200	9.680	15.7	68001	502	62.600	57.100	9.6
61218	501	15.500	15.100	2.6	63218	502	9.240	7.560	22.2	68439	501	133.000	128.000	3.9
61218	502	9.440	8.600	9.8	64074	501	17.600	16.900	4.1	68439	502	80.500	73.400	9.7
61223	501	105.000	102.000	2.9	64074	502	14.100	12.800	10.2	68500	501	4.300	3.920	9.7
61223	502	63.700	58.100	9.6	64075	501	12.400	11.900	4.2	68500	502	2.380	2.040	16.7
61224	501	37.200	36.000	3.3	64075	502	9.950	8.990	10.7	68604	501	2.480	2.400	3.3
61224	502	22.600	20.600	9.7	65007	501	37.200	36.000	3.3	68604	502	1.500	1.370	9.5
61225	501	51.600	50.000	3.2	65007	502	22.600	20.600	9.7	68606	501	9.690	9.380	3.3
61225	502	31.300	28.600	9.4	66122	501	16.000	15.500	3.2	68606	502	5.880	5.360	9.7
61226	501	82.200	79.600	3.3	66122	502	9.710	8.850	9.7	68607	501	7.660	7.420	3.2
61226	502	49.900	45.500	9.7	66123	501	8.790	8.510	3.3	68607	502	4.650	4.240	9.7
61227	501	75.300	72.900	3.3	66123	502	5.330	4.860	9.7	68702	501	6.310	6.110	3.3
61227	502	45.700	41.600	9.9	66309	501	25.700	24.900	3.2	68702	502	3.830	3.490	9.7
62000	501	17.100	16.600	3.0	66309	502	15.600	14.200	9.9	68703	501	4.730	4.580	3.3
62000	502	10.400	9.480	9.7	66561	501	59.500	57.600	3.3	68703	502	2.870	2.620	9.5
62001	501	12.800	12.400	3.2	66561	502	36.100	32.900	9.7	68706	501	20.300	19.600	3.6
62001	502	7.790	7.110	9.6	67017	501	55.200	53.400	3.4	68706	502	12.300	11.200	9.8
62002	501	5.860	5.670	3.4	67017	502	33.500	30.500	9.8	68707	501	20.100	19.400	3.6
62002	502	3.560	3.240	9.9	67508	501	28.600	25.200	13.5	68707	502	12.200	11.100	9.9
62003	501	18.500	17.900	3.4	67508	502	20.900	17.400	20.1	90089	501	3.340	3.640	-8.2
62003	502	11.200	10.200	9.8	67509	501	20.900	18.500	13.0	90089	502	3.340	3.640	-8.2
63010	501	35.200	32.100	9.7	67509	502	15.300	12.800	19.5	91111	501	2.740	2.870	-4.5
63010	502	19.500	16.700	16.8	67510	501	11.700	10.300	13.6	91111	502	2.740	2.870	-4.5
63011	501	44.000	40.100	9.7	67510	502	8.520	7.100	20.0	91125	501	2.010	2.190	-8.2
63011	502	24.300	20.900	16.3	67511	501	12.600	11.200	12.5	91125	502	2.010	2.190	-8.2
63012	501	62.600	57.100	9.6	67511	502	9.210	7.680	19.9	91127	501	1.840	1.930	-4.7
63012	502	34.600	29.700	16.5	67512	501	54.000	47.800	13.0	91127	502	1.840	1.930	-4.7
63013	501	59.300	54.000	9.8	67512	502	39.500	32.900	20.1	91130	501	1.060	1.180	-10.2
63013	502	32.800	28.200	16.3	67513	501	34.300	30.300	13.2	91130	502	1.060	1.180	-10.2
63215	501	61.100	59.100	3.4	67513	502	25.000	20.900	19.6	91135	501	.300	.330	-9.1
63215	502	37.100	33.800	9.8	67634	501	47.800	46.200	3.5	91135	502	.300	.330	-9.1
63216	501	42.400	41.000	3.4	67634	502	29.000	26.400	9.8	91150	501	1.740	1.820	-4.4

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91150	502	1.740	1.820	-4.4	91343	501	.770	.840	-8.3	91641	502	.980	1.090	-10.1
91155	501	3.860	4.050	-4.7	91343	502	.770	.840	-8.3	91666	501	.720	.780	-7.7
91155	502	3.860	4.050	-4.7	91405	501	3.810	3.960	-3.8	91666	502	.720	.780	-7.7
91160	501	.810	.880	-8.0	91405	502	3.810	3.960	-3.8	91722	501	3.180	3.530	-9.9
91160	502	.810	.880	-8.0	91436	501	3.950	4.300	-8.1	91722	502	3.180	3.530	-9.9
91175	501	.700	.760	-7.9	91436	502	3.950	4.300	-8.1	91746	501	2.570	2.800	-8.2
91175	502	.700	.760	-7.9	91481	501	14.400	15.700	-8.3	91746	502	2.570	2.800	-8.2
91177	501	3.040	3.320	-8.4	91481	502	14.400	15.700	-8.3	91805	501	.161	.176	-8.5
91177	502	3.040	3.320	-8.4	91507	501	2.120	2.310	-8.2	91805	502	.161	.176	-8.5
91179	501	3.050	3.330	-8.4	91507	502	2.120	2.310	-8.2	92053	501	.400	.430	-7.0
91179	502	3.050	3.330	-8.4	91523	501	32.700	35.700	-8.4	92053	502	.400	.430	-7.0
91190	501	1.640	1.790	-8.4	91523	502	32.700	35.700	-8.4	92054	501	.137	.149	-8.1
91190	502	1.640	1.790	-8.4	91547	501	.186	.203	-8.4	92054	502	.137	.149	-8.1
91200	501	.610	.670	-9.0	91547	502	.186	.203	-8.4	92055	501	3.810	4.150	-8.2
91200	502	.610	.670	-9.0	91551	501	1.150	1.260	-8.7	92055	502	3.810	4.150	-8.2
91235	501	2.120	2.230	-4.9	91551	502	1.150	1.260	-8.7	92101	501	5.960	6.490	-8.2
91235	502	2.120	2.230	-4.9	91555	501	1.280	1.340	-4.5	92101	502	5.960	6.490	-8.2
91250	501	3.200	3.350	-4.5	91555	502	1.280	1.340	-4.5	92102	501	3.590	3.910	-8.2
91250	502	3.200	3.350	-4.5	91560	501	3.790	4.210	-10.0	92102	502	3.590	3.910	-8.2
91265	501	13.000	14.400	-9.7	91560	502	3.790	4.210	-10.0	92215	501	3.040	3.190	-4.7
91265	502	13.000	14.400	-9.7	91562	501	2.570	2.800	-8.2	92215	502	3.040	3.190	-4.7
91266	501	6.860	7.610	-9.9	91562	502	2.570	2.800	-8.2	92338	501	1.380	1.500	-8.0
91266	502	6.860	7.610	-9.9	91577	501	9.200	10.000	-8.0	92338	502	1.380	1.500	-8.0
91302	501	7.410	7.710	-3.9	91577	502	9.200	10.000	-8.0	92445	501	2.080	2.310	-10.0
91302	502	7.410	7.710	-3.9	91580	501	5.000	5.550	-9.9	92445	502	2.080	2.310	-10.0
91315	501	2.250	2.340	-3.8	91580	502	5.000	5.550	-9.9	92446	501	4.530	4.940	-8.3
91315	502	2.250	2.340	-3.8	91590	501	2.670	2.910	-8.2	92446	502	4.530	4.940	-8.3
91324	501	5.010	5.210	-3.8	91590	502	2.670	2.910	-8.2	92447	501	3.960	4.320	-8.3
91324	502	5.010	5.210	-3.8	91606	501	10.400	11.500	-9.6	92447	502	3.960	4.320	-8.3
91340	501	3.270	3.400	-3.8	91606	502	10.400	11.500	-9.6	92451	501	2.120	2.230	-4.9
91340	502	3.270	3.400	-3.8	91629	501	2.120	2.360	-10.2	92451	502	2.120	2.230	-4.9
91341	501	3.490	3.800	-8.2	91629	502	2.120	2.360	-10.2	92453	501	2.510	2.730	-8.1
91341	502	3.490	3.800	-8.2	91636	501	3.640	4.040	-9.9	92453	502	2.510	2.730	-8.1
91342	501	3.000	3.120	-3.8	91636	502	3.640	4.040	-9.9	92478	501	1.240	1.350	-8.1
91342	502	3.000	3.120	-3.8	91641	501	.980	1.090	-10.1	92478	502	1.240	1.350	-8.1

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92593	501	27.900	29.200	-4.5	95357	502	1.060	1.180	-10.2	97050	501	1.770	1.840	-3.8
92593	502	27.900	29.200	-4.5	95410	501	3.430	3.730	-8.0	97050	502	1.770	1.840	-3.8
92663	501	.490	.550	-10.9	95410	502	3.430	3.730	-8.0	97111	501	4.100	4.470	-8.3
92663	502	.490	.550	-10.9	95455	501	4.390	4.880	-10.0	97111	502	4.100	4.470	-8.3
94007	501	8.500	9.270	-8.3	95455	502	4.390	4.880	-10.0	97220	501	.280	.320	-12.5
94007	502	8.500	9.270	-8.3	95487	501	1.840	2.000	-8.0	97220	502	.280	.320	-12.5
94099	501	1.940	2.110	-8.1	95487	502	1.840	2.000	-8.0	97222	501	1.410	1.470	-4.1
94099	502	1.940	2.110	-8.1	95505	501	2.050	2.270	-9.7	97222	502	1.410	1.470	-4.1
94225	501	6.810	7.430	-8.3	95505	502	2.050	2.270	-9.7	97223	501	2.120	2.230	-4.9
94225	502	6.810	7.430	-8.3	95620	501	1.490	1.620	-8.0	97223	502	2.120	2.230	-4.9
94276	501	3.550	3.870	-8.3	95620	502	1.490	1.620	-8.0	97308	501	.530	.590	-10.2
94276	502	3.550	3.870	-8.3	95625	501	3.540	3.680	-3.8	97308	502	.530	.590	-10.2
94304	501	2.710	2.840	-4.6	95625	502	3.540	3.680	-3.8	97447	501	1.740	1.940	-10.3
94304	502	2.710	2.840	-4.6	95647	501	2.560	2.680	-4.5	97447	502	1.740	1.940	-10.3
94381	501	5.090	5.340	-4.7	95647	502	2.560	2.680	-4.5	97650	501	2.830	3.090	-8.4
94381	502	5.090	5.340	-4.7	96053	501	1.940	2.040	-4.9	97650	502	2.830	3.090	-8.4
94404	501	3.360	3.670	-8.4	96053	502	1.940	2.040	-4.9	97651	501	5.150	5.720	-10.0
94404	502	3.360	3.670	-8.4	96317	501	1.100	1.220	-9.8	97651	502	5.150	5.720	-10.0
94569	501	2.270	2.480	-8.5	96317	502	1.100	1.220	-9.8	97652	501	4.470	4.960	-9.9
94569	502	2.270	2.480	-8.5	96408	501	2.970	3.230	-8.0	97652	502	4.470	4.960	-9.9
94590	501	9.790	10.700	-8.5	96408	502	2.970	3.230	-8.0	97653	501	2.420	2.640	-8.3
94590	502	9.790	10.700	-8.5	96409	501	2.740	2.990	-8.4	97653	502	2.420	2.640	-8.3
94617	501	3.090	3.370	-8.3	96409	502	2.740	2.990	-8.4	97654	501	4.220	4.600	-8.3
94617	502	3.090	3.370	-8.3	96410	501	2.410	2.630	-8.4	97654	502	4.220	4.600	-8.3
95124	501	1.140	1.240	-8.1	96410	502	2.410	2.630	-8.4	97655	501	3.980	4.420	-10.0
95124	502	1.140	1.240	-8.1	96611	501	.750	.780	-3.8	97655	502	3.980	4.420	-10.0
95233	501	2.450	2.670	-8.2	96611	502	.750	.780	-3.8	98002	501	.720	.800	-10.0
95233	502	2.450	2.670	-8.2	96702	501	3.410	3.720	-8.3	98002	502	.720	.800	-10.0
95305	501	2.660	2.900	-8.3	96702	502	3.410	3.720	-8.3	98003	501	.760	.830	-8.4
95305	502	2.660	2.900	-8.3	96816	501	3.200	3.490	-8.3	98003	502	.760	.830	-8.4
95306	501	4.170	4.630	-9.9	96816	502	3.200	3.490	-8.3	98090	501	.102	.111	-8.1
95306	502	4.170	4.630	-9.9	96872	501	3.900	4.330	-9.9	98090	502	.102	.111	-8.1
95310	501	6.340	6.910	-8.2	96872	502	3.900	4.330	-9.9	98091	501	.110	.120	-8.3
95310	502	6.340	6.910	-8.2	97047	501	2.280	2.370	-3.8	98091	502	.110	.120	-8.3
95357	501	1.060	1.180	-10.2	97047	502	2.280	2.370	-3.8	98092	501	.340	.370	-8.1

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STATE: 36 - OREGON  
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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
98092	502	.340	.370	-8.1	98308	501	.880	.960	-8.3	98555	502	1.940	2.110	-8.1
98111	501	.540	.560	-3.6	98308	502	.880	.960	-8.3	98597	501	.430	.470	-8.5
98111	502	.540	.560	-3.6	98309	501	4.550	5.050	-9.9	98597	502	.430	.470	-8.5
98152	501	2.420	2.690	-10.0	98309	502	4.550	5.050	-9.9	98598	501	.149	.162	-8.0
98152	502	2.420	2.690	-10.0	98344	501	.510	.530	-3.8	98598	502	.149	.162	-8.0
98153	501	2.730	3.030	-9.9	98344	502	.510	.530	-3.8	98601	501	4.980	5.430	-8.3
98153	502	2.730	3.030	-9.9	98405	501	.840	.870	-3.4	98601	502	4.980	5.430	-8.3
98154	501	3.220	3.580	-10.1	98405	502	.840	.870	-3.4	98624	501	.780	.850	-8.2
98154	502	3.220	3.580	-10.1	98413	501	11.100	12.200	-9.0	98624	502	.780	.850	-8.2
98155	501	4.510	5.010	-10.0	98413	502	11.100	12.200	-9.0	98636	501	2.610	2.740	-4.7
98155	502	4.510	5.010	-10.0	98414	501	10.200	11.100	-8.1	98636	502	2.610	2.740	-4.7
98157	501	2.880	3.200	-10.0	98414	502	10.200	11.100	-8.1	98640	501	85.800	93.600	-8.3
98157	502	2.880	3.200	-10.0	98415	501	1.340	1.460	-8.2	98640	502	85.800	93.600	-8.3
98159	501	1.930	2.150	-10.2	98415	502	1.340	1.460	-8.2	98658	501	4.660	5.170	-9.9
98159	502	1.930	2.150	-10.2	98423	501	3.190	3.480	-8.3	98658	502	4.660	5.170	-9.9
98160	501	4.090	4.540	-9.9	98423	502	3.190	3.480	-8.3	98659	501	.830	.930	-10.8
98160	502	4.090	4.540	-9.9	98424	501	5.410	5.900	-8.3	98659	502	.830	.930	-10.8
98161	501	4.580	5.090	-10.0	98424	502	5.410	5.900	-8.3	98677	501	13.500	14.700	-8.2
98161	502	4.580	5.090	-10.0	98425	501	2.220	2.420	-8.3	98677	502	13.500	14.700	-8.2
98163	501	4.810	5.340	-9.9	98425	502	2.220	2.420	-8.3	98678	501	12.000	13.100	-8.4
98163	502	4.810	5.340	-9.9	98426	501	1.960	2.140	-8.4	98678	502	12.000	13.100	-8.4
98164	501	1.790	1.880	-4.8	98426	502	1.960	2.140	-8.4	98699	501	3.910	4.260	-8.2
98164	502	1.790	1.880	-4.8	98427	501	1.910	2.080	-8.2	98699	502	3.910	4.260	-8.2
98257	501	1.140	1.240	-8.1	98427	502	1.910	2.080	-8.2	98705	501	6.590	7.320	-10.0
98257	502	1.140	1.240	-8.1	98429	501	.950	1.050	-9.5	98705	502	6.590	7.320	-10.0
98303	501	9.050	10.100	-10.4	98429	502	.950	1.050	-9.5	98710	501	2.720	2.960	-8.1
98303	502	9.050	10.100	-10.4	98449	501	2.740	2.990	-8.4	98710	502	2.720	2.960	-8.1
98304	501	4.230	4.610	-8.2	98449	502	2.740	2.990	-8.4	98751	501	3.520	3.910	-10.0
98304	502	4.230	4.610	-8.2	98482	501	2.940	3.210	-8.4	98751	502	3.520	3.910	-10.0
98305	501	1.830	1.900	-3.7	98482	502	2.940	3.210	-8.4	98805	501	3.550	3.870	-8.3
98305	502	1.830	1.900	-3.7	98483	501	4.340	4.740	-8.4	98805	502	3.550	3.870	-8.3
98306	501	4.710	4.900	-3.9	98483	502	4.340	4.740	-8.4	98806	501	2.430	2.550	-4.7
98306	502	4.710	4.900	-3.9	98502	501	4.160	4.530	-8.2	98806	502	2.430	2.550	-4.7
98307	501	1.340	1.460	-8.2	98502	502	4.160	4.530	-8.2	98810	501	2.580	2.680	-3.7
98307	502	1.340	1.460	-8.2	98555	501	1.940	2.110	-8.1	98810	502	2.580	2.680	-3.7

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STATE: 36 - OREGON  
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98813	501	2.490	2.590	-3.9	99310	502	2.710	2.950	-8.1	99746	501	1.850	2.020	-8.4
98813	502	2.490	2.590	-3.9	99315	501	7.960	8.670	-8.2	99746	502	1.850	2.020	-8.4
98820	501	6.780	7.390	-8.3	99315	502	7.960	8.670	-8.2	99760	501	.211	.230	-8.3
98820	502	6.780	7.390	-8.3	99321	501	7.720	8.420	-8.3	99760	502	.211	.230	-8.3
98884	501	1.760	1.920	-8.3	99321	502	7.720	8.420	-8.3	99777	501	4.470	4.650	-3.9
98884	502	1.760	1.920	-8.3	99471	501	.570	.630	-9.5	99777	502	4.470	4.650	-3.9
98914	501	.570	.630	-9.5	99471	502	.570	.630	-9.5	99793	501	2.350	2.560	-8.2
98914	502	.570	.630	-9.5	99505	501	4.220	4.420	-4.5	99793	502	2.350	2.560	-8.2
98949	501	.800	.880	-9.1	99505	502	4.220	4.420	-4.5	99826	501	.510	.530	-3.8
98949	502	.800	.880	-9.1	99506	501	5.190	5.440	-4.6	99826	502	.510	.530	-3.8
98967	501	2.770	3.020	-8.3	99506	502	5.190	5.440	-4.6	99827	501	.340	.370	-8.1
98967	502	2.770	3.020	-8.3	99507	501	4.530	4.750	-4.6	99827	502	.340	.370	-8.1
98993	501	4.990	5.230	-4.6	99507	502	4.530	4.750	-4.6	99851	501	1.370	1.490	-8.1
98993	502	4.990	5.230	-4.6	99570	501	2.430	2.550	-4.7	99851	502	1.370	1.490	-8.1
99003	501	1.320	1.430	-7.7	99570	502	2.430	2.550	-4.7	99917	501	2.210	2.410	-8.3
99003	502	1.320	1.430	-7.7	99571	501	.590	.620	-4.8	99917	502	2.210	2.410	-8.3
99004	501	2.070	2.150	-3.7	99571	502	.590	.620	-4.8	99938	501	2.480	2.710	-8.5
99004	502	2.070	2.150	-3.7	99572	501	1.150	1.210	-5.0	99938	502	2.480	2.710	-8.5
99080	501	.930	1.010	-7.9	99572	502	1.150	1.210	-5.0	99943	501	7.200	7.850	-8.3
99080	502	.930	1.010	-7.9	99573	501	1.100	1.150	-4.3	99943	502	7.200	7.850	-8.3
99111	501	1.350	1.470	-8.2	99573	502	1.100	1.150	-4.3	99946	501	5.360	5.850	-8.4
99111	502	1.350	1.470	-8.2	99600	501	.900	.940	-4.3	99946	502	5.360	5.850	-8.4
99163	501	3.230	3.520	-8.2	99600	502	.900	.940	-4.3	99948	501	6.010	6.300	-4.6
99163	502	3.230	3.520	-8.2	99613	501	6.840	7.460	-8.3	99948	502	6.010	6.300	-4.6
99165	501	.710	.770	-7.8	99613	502	6.840	7.460	-8.3	99952	501	3.780	3.930	-3.8
99165	502	.710	.770	-7.8	99614	501	2.010	2.090	-3.8	99952	502	3.780	3.930	-3.8
99220	501	1.250	1.390	-10.1	99614	502	2.010	2.090	-3.8	99953	501	4.080	4.240	-3.8
99220	502	1.250	1.390	-10.1	99620	501	.370	.410	-9.8	99953	502	4.080	4.240	-3.8
99222	501	2.350	2.610	-10.0	99620	502	.370	.410	-9.8	99954	501	2.970	3.090	-3.9
99222	502	2.350	2.610	-10.0	99650	501	1.150	1.210	-5.0	99954	502	2.970	3.090	-3.9
99223	501	.199	.216	-7.9	99650	502	1.150	1.210	-5.0	99955	501	3.720	3.870	-3.9
99223	502	.199	.216	-7.9	99709	501	2.840	2.980	-4.7	99955	502	3.720	3.870	-3.9
99303	501	10.800	11.800	-8.5	99709	502	2.840	2.980	-4.7	99963	501	.530	.580	-8.6
99303	502	10.800	11.800	-8.5	99718	501	1.090	1.190	-8.4	99963	502	.530	.580	-8.6
99310	501	2.710	2.950	-8.1	99718	502	1.090	1.190	-8.4	99969	501	2.270	2.520	-9.9

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
99969	502	2.270	2.520	-9.9										
99975	501	3.300	3.430	-3.8										
99975	502	3.300	3.430	-3.8										
99988	501	2.010	2.230	-9.9										
99988	502	2.010	2.230	-9.9										

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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
10010	.184	.224	-17.9	11259	.183	.227	-19.4	13759	.152	.174	-12.6
10026	.020	.021	-4.8	11288	.085	.087	-2.3	13930	.211	.205	2.9
10040	.280	.300	-6.7	12014	.038	.043	-11.6	14068	.015	.018	-16.7
10042	.460	.480	-4.2	12356	.029	.030	-3.3	14101	.040	.038	5.3
10060	.081	.086	-5.8	12361	.082	.091	-9.9	14279	.065	.075	-13.3
10065	.032	.036	-11.1	12373	.025	.031	-19.4	14401	.114	.142	-19.7
10066	.064	.067	-4.5	12374	.069	.070	-1.4	14527	.181	.202	-10.4
10070	.141	.141	0.0	12375	.047	.059	-20.3 L	14855	.162	.200	-19.0
10071	.092	.095	-3.2	12391	.091	.100	-9.0	14913	.163	.145	12.4
10073	.550	.550	0.0	12509	.038	.047	-19.1	15223	.033	.035	-5.7
10075	.179	.183	-2.2	12510	.030	.032	-6.3	15224	.070	.073	-4.1
10100	.049	.052	-5.8	12651	.490	.560	-12.5	15406	.044	.047	-6.4
10101	.166	.191	-13.1	12707	.650	.790	-17.7	15538	.017	.019	-10.5
10107	.229	.209	9.6	12797	.169	.168	0.6	15600	.095	.102	-6.9
10111	.083	.098	-15.3	12805	.118	.131	-9.9	15608	.011	.012	-8.3
10115	.075	.082	-8.5	13049	.054	.058	-6.9	15733	.038	.044	-13.6
10140	.021	.020	5.0	13111	.097	.113	-14.2	15839	.028	.028	0.0
10141	.024	.022	9.1	13112	.069	.083	-16.9	15991	.078	.083	-6.0
10145	.010	.012	-16.7 L	13201	.167	.201	-16.9	15993	.053	.051	3.9
10146	.015	.019	-21.1	13204	1.400	1.240	12.9	16005	.034	.040	-15.0
10255	.131	.152	-13.8	13205	.430	.450	-4.4	16009	.079	.073	8.2
10256	.147	.158	-7.0	13314	.017	.020	-15.0	16403	.140	.129	8.5
10257	.167	.187	-10.7	13351	.038	.042	-9.5	16527	.360	.420	-14.3
10309	.018	.021	-14.3	13352	.050	.054	-7.4	16604	.147	.212	-30.7
10352	.070	.088	-20.5	13410	2.440	2.550	-4.3	16676	.014	.015	-6.7
11020	.187	.150	24.7 U	13412	1.010	1.110	-9.0	16705	.152	.173	-12.1
11039	.073	.068	7.4	13506	.079	.083	-4.8	16750	.031	.041	-24.4
11126	.020	.024	-16.7	13507	.191	.194	-1.5	16900	.117	.142	-17.6
11127	.009	.011	-18.2	13590	.740	.770	-3.9	16901	.144	.166	-13.3
11128	.079	.072	9.7	13621	.360	.420	-14.3	16902	.066	.080	-17.5
11203	.540	.650	-16.9	13670	.013	.013	0.0	16905	.117	.142	-17.6
11204	1.670	1.790	-6.7	13673	.013	.013	0.0	16906	.144	.166	-13.3
11234	.061	.071	-14.1	13715	.154	.151	2.0	16910	.067	.068	-1.5
11248	.019	.022	-13.6	13716	.122	.138	-11.6	16911	.067	.071	-5.6
11258	.270	.340	-20.6	13720	.058	.069	-15.9	16915	.057	.065	-12.3

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STATE: 36 - OREGON

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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
16916	.070	.075	-6.7	51116	.570	.550	3.6	51666	.103	.127	-18.9
16920	.115	.129	-10.9	51205	.083	.111	-25.2	51734	.310	.360	-13.9
16921	.052	.065	-20.0	51206	.450	.610	-26.2	51741	.250	.280	-10.7
16930	.173	.194	-10.8	51220	2.580	3.250	-20.6	51752	.159	.199	-20.1
16931	.072	.091	-20.9	51221	1.940	2.440	-20.5	51767	.009	.012	-25.0 L
16940	.052	.065	-20.0	51222	3.120	3.380	-7.7	51777	.076	.084	-9.5
16941	.114	.140	-18.6	51224	1.330	1.190	11.8	51808	.730	.760	-3.9
18078	.146	.170	-14.1	51230	.790	.880	-10.2	51809	.158	.184	-14.1
18109	.035	.037	-5.4	51240	.182	.213	-14.6	51833	.072	.103	-30.1 L
18110	.037	.045	-17.8	51241	.300	.340	-11.8	51869	.140	.190	-26.3
18205	.310	.360	-13.9	51252	.101	.110	-8.2	51877	.220	.260	-15.4
18206	.101	.092	9.8	51254	.045	.060	-25.0	51889	.014	.020	-30.0 L
18335	.017	.019	-10.5	51300	.173	.209	-17.2	51896	.020	.023	-13.0
18435	.057	.053	7.5	51305	1.030	1.230	-16.3	51900	.093	.105	-11.4
18436	.193	.234	-17.5	51315	.106	.116	-8.6	51909	.057	.066	-13.6
18501	.015	.016	-6.3	51330	.430	.430	0.0	51926	.040	.049	-18.4
18506	.006	.006	0.0	51333	.310	.340	-8.8	51927	.115	.126	-8.7
18507	.009	.009	0.0	51350	.142	.177	-19.8	51934	.142	.178	-20.2
18616	.540	.610	-11.5	51351	.045	.054	-16.7	51941	.039	.045	-13.3
18707	.003	.003	0.0 U	51352	.114	.138	-17.4	51956	.246	.300	-18.0
18708	.015	.012	25.0 U	51355	.096	.116	-17.2	51957	.400	.420	-4.8
18834	.124	.132	-6.1	51356	.690	.850	-18.8	51958	.390	.390	0.0
18911	.018	.019	-5.3	51357	.530	.430	23.3 U	51960	.360	.420	-14.3
18912	.034	.033	3.0	51358	.149	.175	-14.9	51970	.250	.250	0.0
18920	.019	.020	-5.0	51359	.840	1.010	-16.8	51982	.085	.099	-14.1
45771	.176	.220	-20.0	51370	5.000	6.020	-16.9	51986	.107	.128	-16.4
45819	.049	.048	2.1	51380	.050	.072	-30.6 L	51999	.460	.540	-14.8
45900	.059	.067	-11.9	51500	.109	.125	-12.8	52002	.118	.112	5.4
45901	.047	.060	-21.7	51550	.360	.410	-12.2	52075	.250	.290	-13.8
49239	.650	.830	-21.7	51551	.920	1.060	-13.2	52134	.700	.750	-6.7
49617	.215	.221	-2.7	51552	.159	.169	-5.9	52315	.240	.270	-11.1
49618	.067	.055	21.8	51575	.020	.028	-28.6	52433	1.200	1.460	-17.8
49619	.111	.093	19.4	51576	.075	.100	-25.0	52469	.109	.100	9.0
50010	.580	.820	-29.3	51600	.198	.232	-14.7	52505	.203	.224	-9.4
51001	.460	.530	-13.2	51613	.138	.200	-31.0 L	52547	.088	.093	-5.4

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STATE: 36 - OREGON

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	3.680	5.330	-31.0 L	56391	.320	.360	-11.1	58397	.830	.970	-14.4
52744	.094	.126	-25.4	56427	.125	.146	-14.4	58503	.061	.077	-20.8
52911	.520	.680	-23.5	56488	.034	.039	-12.8	58575	.123	.143	-14.0
52967	.064	.074	-13.5	56690	.360	.420	-14.3	58627	.016	.022	-27.3 L
53001	.330	.380	-13.2	56699	.051	.051	0.0	58663	1.590	1.870	-15.0
53077	.197	.248	-20.6	56758	.155	.178	-12.9	58737	.740	1.010	-26.7
53121	.460	.540	-14.8	56759	.093	.118	-21.2	58802	.450	.500	-10.0
53333	.213	.238	-10.5	56760	.106	.127	-16.5	58837	.165	.132	25.0 U
53374	.380	.450	-15.6	56912	.084	.105	-20.0	58840	.111	.128	-13.3
53375	.250	.244	2.5	56916	.187	.196	-4.6	58873	.030	.034	-11.8
53376	.187	.212	-11.8	57001	.022	.021	4.8	58904	.131	.152	-13.8
53377	.211	.270	-21.9	57002	.110	.130	-15.4	58922	.187	.241	-22.4
53565	.124	.158	-21.5	57090	.630	.710	-11.3	59005	.096	.108	-11.1
53631	.022	.025	-12.0	57146	.670	.730	-8.2	59188	.056	.065	-13.8
53632	.035	.040	-12.5	57257	.036	.050	-28.0	59189	.300	.350	-14.3
53732	.460	.600	-23.3	57401	.098	.113	-13.3	59223	.077	.087	-11.5
53733	.260	.260	0.0	57403	.036	.041	-12.2	59257	.015	.021	-28.6 L
53907	.111	.139	-20.1	57410	.130	.188	-30.9 L	59378	.152	.175	-13.1
54077	.370	.390	-5.1	57572	.094	.107	-12.1	59481	.088	.101	-12.9
55010	1.100	1.250	-12.0	57600	.033	.039	-15.4	59537	.168	.172	-2.3
55011	1.260	1.140	10.5	57611	.064	.075	-14.7	59601	2.310	3.050	-24.3
55012	1.170	1.320	-11.4	57651	.043	.050	-14.0	59647	.176	.205	-14.1
55013	.990	1.050	-5.7	57690	.510	.640	-20.3	59660	1.140	1.200	-5.0
55214	.089	.103	-13.6	57716	.087	.106	-17.9	59701	.244	.227	7.5
55371	.130	.158	-17.7	57725	.091	.094	-3.2	59713	.330	.370	-10.8
55597	1.780	1.990	-10.6	57726	.019	.019	0.0	59722	.032	.036	-11.1
55647	.056	.080	-30.0 L	57810	.109	.126	-13.5	59723	.038	.044	-13.6
55715	.234	.270	-13.3	57871	.116	.127	-8.7	59724	.022	.031	-29.0
55716	.520	.590	-11.9	57913	.310	.430	-27.9	59725	.104	.103	1.0
55802	.009	.013	-30.8 L	57998	.059	.067	-11.9	59726	.024	.026	-7.7
55918	3.190	4.300	-25.8	57999	.071	.081	-12.3	59738	.066	.077	-14.3
55919	3.640	4.860	-25.1	58095	1.830	1.950	-6.2	59750	.240	.280	-14.3
56040	.040	.057	-29.8 L	58096	1.040	1.060	-1.9	59773	.028	.032	-12.5
56202	.100	.126	-20.6	58301	.082	.086	-4.7	59774	.152	.175	-13.1
56390	.630	.620	1.6	58302	.055	.064	-14.1	59775	.189	.211	-10.4

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STATE: 36 - OREGON

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	.076	.088	-13.6	91341	5.390	4.840	11.4	96409	14.500	14.800	-2.0
59782	.490	.690	-29.0	91342	4.590	5.050	-9.1	96410	10.800	10.600	1.9
59798	.460	.530	-13.2	91343	1.540	1.430	7.7	96611	1.930	1.840	4.9
59886	.112	.131	-14.5	91436	2.660	2.950	-9.8	97221	1.100	1.350	-18.5
59889	.153	.169	-9.5	91507	4.290	4.740	-9.5	97222	2.360	2.860	-17.5
59904	.066	.080	-17.5	91551	.720	.840	-14.3	97223	4.020	4.190	-4.1
59905	.130	.138	-5.8	91555	1.160	1.280	-9.4	97447	5.310	5.300	0.2
59914	.620	.700	-11.4	91560	5.490	6.030	-9.0	97650	4.550	4.920	-7.5
59915	.780	.880	-11.4	91577	3.390	3.450	-1.7	97651	4.620	5.080	-9.1
59917	.165	.164	0.6	91746	4.800	5.370	-10.6	97652	4.710	5.200	-9.4
59923	.005	.007	-28.6 L	92053	.590	.590	0.0	97653	3.350	3.210	4.4
59925	1.090	1.060	2.8	92054	.260	.300	-13.3	97654	3.330	3.540	-5.9
59926	.420	.490	-14.3	92055	.280	.330	-15.2	97655	5.890	6.830	-13.8
59927	1.560	1.710	-8.8	92101	3.290	3.240	1.5	98002	1.170	1.310	-10.7
59931	.590	.690	-14.5	92102	3.570	3.510	1.7	98152	.620	.500	24.0 U
59932	.930	1.110	-16.2	92215	3.970	4.340	-8.5	98157	.450	.500	-10.0
59947	.330	.390	-15.4	92338	2.180	2.320	-6.0	98163	.260	.330	-21.2
59955	.147	.171	-14.0	92446	2.130	2.340	-9.0	98164	.086	.109	-21.1 L
59963	.450	.540	-16.7	92447	1.860	2.050	-9.3	98303	9.760	10.300	-5.2
59964	.061	.066	-7.6	92451	2.300	2.330	-1.3	98304	4.160	4.440	-6.3
59970	.182	.212	-14.2	92478	2.100	2.240	-6.3	98305	1.910	1.890	1.1
59975	.243	.237	2.5	94007	6.750	6.380	5.8	98306	1.080	1.200	-10.0
59984	.055	.064	-14.1	94276	5.570	5.910	-5.8	98307	.630	.710	-11.3
59988	.060	.069	-13.0	94381	16.700	21.300	-21.6 L	98308	.970	.780	24.4 U
59989	.045	.052	-13.5	94404	6.490	6.970	-6.9	98309	3.020	3.570	-15.4
91111	7.250	6.660	8.9	94569	4.060	3.250	24.9 U	98344	.700	.720	-2.8
91125	2.940	3.700	-20.5	95124	.670	.710	-5.6	98449	29.500	28.400	3.9
91127	1.650	2.000	-17.5	95310	1.750	2.240	-21.9	98482	8.380	9.520	-12.0
91150	6.380	6.750	-5.5	95410	3.520	3.520	0.0	98483	22.900	23.400	-2.1
91155	44.800	46.300	-3.2	95455	1.780	2.080	-14.4	98502	4.670	4.550	2.6
91235	3.390	3.010	12.6	95505	2.440	2.680	-9.0	98636	4.290	4.410	-2.7
91265	3.820	4.110	-7.1	95625	3.990	3.920	1.8	98659	.480	.600	-20.0
91266	.980	1.180	-16.9	95647	5.630	5.660	-0.5	98677	12.500	12.200	2.5
91280	2.960	3.760	-21.3	96053	5.490	5.950	-7.7	98678	18.300	17.900	2.2
91340	12.100	10.800	12.0	96408	13.500	17.300	-22.0 L	98805	1.420	1.420	0.0

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STATE: 36 - OREGON  
 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	3.710	3.820	-2.9								
98813	2.730	2.980	-8.4								
98820	4.300	4.590	-6.3								
98884	2.020	1.890	6.9								
98914	.710	.890	-20.2								
98949	.420	.520	-19.2								
98967	10.700	8.770	22.0								
98993	5.800	5.010	15.8								
99003	1.840	1.770	4.0								
99004	2.090	2.240	-6.7								
99080	11.100	10.200	8.8								
99163	.580	.720	-19.4								
99315	2.000	2.090	-4.3								
99321	3.040	3.130	-2.9								
99613	2.660	2.960	-10.1								
99650	1.080	1.070	0.9								
99746	3.430	3.080	11.4								
99803	12.100	10.800	12.0								
99826	.570	.620	-8.1								
99827	.640	.630	1.6								
99946	3.530	3.610	-2.2								
99948	33.300	33.700	-1.2								
99952	24.300	22.700	7.0								
99953	12.800	12.800	0.0								
99954	13.900	14.400	-3.5								
99955	10.500	13.400	-21.6 L								
99969	3.480	3.020	15.2								

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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.

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STEP 1:  
DETERMINATION  
OF INDICATED  
LOSS COST  
LEVEL CHANGES

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

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STEP 2:  
DISTRIBUTION OF  
BASIC LIMIT LOSS  
COST LEVEL  
INDICATION

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

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

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METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 3:  
APPLICATION OF  
PERCENTAGE  
CHANGES

The last step is the calculation of the ISO advisory prospective loss costs. For Premises/Operations, a Proposed Base Loss Cost by class group and territory must first be calculated. This is derived by multiplying the Current Base Loss Cost by the statewide monoline change, the class group relative change, and (for Owners, Landlords, and Tenants) the territory relative change. ISO advisory prospective loss costs by class are then calculated as the Proposed Base Loss Cost times the class differential. See 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.

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METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 1 - DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

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

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EXPERIENCE  
RATIO

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

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EXPECTED  
EXPERIENCE  
RATIO

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

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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.

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LOCAL PRODUCTS/  
COMPLETED  
OPERATIONS

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

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

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

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EXPLANATORY NOTES TO DETERMINATION OF INDICATED  
LOSS COST LEVEL CHANGE

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

The loss cost level indication is based upon a review of the latest three years of basic limit experience of companies reporting to Insurance Services Office, Inc. For Premises/Operations, data for accident years ending June 30, 2016, 2017 and 2018 are weighted 20%, 30% and 50% respectively. For Products/Completed Operations, multistate data for accident years ending December 31, 2015, 2016 and 2017 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  $i^{\text{th}}$  type of policy;

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

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

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

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

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

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

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

$n$  is the number of class groups in the analysis;

$p$  is the number of territories in the analysis;



## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### ITERATIVE PROCEDURE (Cont'd)

For Manufacturers and Contractors, and Products:

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

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

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

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

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

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

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

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

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

$n$  is the number of class groups in the analysis;

## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### ITERATIVE PROCEDURE (Cont'd)

For Local Products/Completed Operations:

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

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

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

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

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

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

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

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

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

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

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

$n$  is the number of class groups in the analysis;

$p$  is the number of states in the analysis;

## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### ITERATIVE PROCEDURE (Cont'd)

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

---

### APPLICATION OF CREDIBILITY

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

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

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:

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

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.

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## 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.

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### MONOLINE INDICATIONS -- PRODUCTS

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

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

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## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### MONOLINE INDICATIONS -- LOCAL PRODUCTS/ COMPLETED OPERATIONS

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

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

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EXPLANATORY NOTES TO  
IMPLICIT PACKAGE MODIFICATION FACTORS

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

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

## EXPLANATION OF EXPOSURE DEVELOPMENT

### IMPORTANCE OF APPLICATION

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

---

### APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

The earned exposures underlying the Premises/Operations statewide loss cost level indications are evaluated as of September 30, 2018. Products/Completed Operations data is evaluated as of March 31, 2018.

For example, the accident year ending December 31, 2017 includes all exposures earned during the period from January 1, 2017 through December 31, 2017.

The immature experience reported as of 15 and 27 months for accident years ending 6/30/2018 and 6/30/2017 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, 2018 for Premises/ Operations and March 31, 2018 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.

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## EXPLANATION OF LOSS DEVELOPMENT

### IMPORTANCE OF APPLICATION

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

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### APPLICATION OF LOSS DEVELOPMENT FACTORS

The incurred losses and allocated loss adjustment expenses underlying the Premises/Operations statewide loss cost level indications were evaluated as of September 30, 2018. Products/Completed Operations data is evaluated as of March 31, 2018.

For example, the accident year ending December 31, 2017 includes all losses and allocated loss adjustment expenses paid on accidents occurring from January 1, 2017 through December 31, 2017 and all losses and loss adjustment expenses outstanding on those policies as of March 31, 2018, 15 months after the inception of the accident year.

The immature experience reported as of 15, 27 and 39 months for accident years ending 6/30/2018, 6/30/2017 and 6/30/2016 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.

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## EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

### OBJECTIVE

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

Traditional development procedures customarily used for losses apply a loss development factor to reported losses at various evaluation points. For example, a '15-month to ultimate' factor would be applied to the losses for accident year ended June 30, 2018 evaluated as of September 30, 2018. If an analogous procedure is used for ALAE, the variability of the experience can lead to unusually high (or low) estimates of ultimate ALAE.

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### INCREMENTAL ALAE PERCENTAGES

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

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

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

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## EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

### DESCRIPTION OF METHODOLOGY

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

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

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

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

---

### 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
1998	A	G	L	P	S	U	Z*
1999	B	H	M	Q	T	Y*	
2000	C	I	N	R	X*	Y*	
2001	D	J	O	W*	X*	Y*	
2002	E	K	V*	W*	X*	Y*	
2003	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. For M&C, exposures are forecasted based upon econometric models for sales by manufacturers and average hourly earnings of contracting workers developed by Moody's Analytics. For OL&T Class Group 16 exposures are forecasted based upon econometric models of a year-ended quarterly price deflator of state and local government expenditures developed by Moody's Analytics. The exposure trend for OL&T Class Groups 1-13 is based upon the average annual growth rates in consumption components. This data was also supplied by Moody's Analytics. For Premises/Operations exposure trend detail, see Section E - Trend Data.

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

---

### SEVERITY TREND

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

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



SEVERITY  
TREND  
(Cont'd)

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

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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 06/30/2005 - 6/30/2018. For Products/Completed Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2004 - 12/31/2017. The Premises/Operations experience includes occurrences arising from fringe coverages. In this review, multistate number of occurrences contained in the trend exhibits are based on reported paid counts developed to ultimate using paid development factors.

Historically, frequency trend for Premises/Operations and Products/Completed Operations has been quite volatile, often cyclical in nature. As a result, an exponential curve did not fit the data well over a long term. Given the frequency trend pattern, however, we are continuing to select negative frequency trends for Manufacturers and Contractors and Owners, Landlords and Tenants. We are continuing to select negative frequency trend for Products and have selected a negative frequency trend for Local Products/ Completed Operations as well. 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.

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### CREDIBILITY STANDARDS

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

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

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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Determination of Indicated Loss Cost Level Change:

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
06/30/2016	\$11,583,819	\$10,893,375	0.20	0.940	433
06/30/2017	11,926,623	9,047,439	0.30	0.759	409
06/30/2018	12,632,532	10,700,935	0.50	0.847	394

(7)	WEIGHTED EXPERIENCE RATIO .....	0.839
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C) .....	1.015
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS) .....	0.44
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X { 1.0 - (9) } } .....	0.938
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100% .....	- 6.2 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	- 7.6 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE .....	- 7.6 %

(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 12/01/2019. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.015). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.015) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (12/01/2019) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (12/01/2020).



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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
06/30/2016	\$9,133,123	\$8,893,833	0.20	0.974	499
06/30/2017	10,095,483	14,098,368	0.30	1.397	611
06/30/2018	10,500,150	13,995,261	0.50	1.333	568

(7)	WEIGHTED EXPERIENCE RATIO .....	1.280
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C) .....	1.022
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS) .....	0.53
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} } .....	1.159
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100% .....	+ 15.9 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	+ 10.2 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE .....	+ 10.2 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 12/01/2019. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.022). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.022) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (12/01/2019) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (12/01/2020).

OREGON  
PRODUCTS  
SUBLINE CODE 336  
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 LIMITS INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2015	\$126,844,943	\$117,418,560	0.20	0.926	2,260
12/31/2016	131,093,793	128,055,034	0.30	0.977	2,081
12/31/2017	135,345,929	113,009,721	0.50	0.835	2,052

(7)	WEIGHTED EXPERIENCE RATIO .....	0.896
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE {(7)-1.00}X 100% .....	- 10.4 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE ..... (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	- 10.8 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C) .....	- 10.9 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE .....	- 10.9 %

- (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 07/01/2019.
- (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).

OREGON  
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
12/31/2015	\$273,220,063	\$303,484,949	0.20	1.111	6,235
12/31/2016	288,742,827	300,664,824	0.30	1.041	5,848
12/31/2017	301,211,085	294,409,730	0.50	0.977	5,292

(7)	WEIGHTED EXPERIENCE RATIO.....	1.023
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(8) INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE  
 $\{ (7) - 1.00 \} \times 100\% \dots\dots\dots + 2.3 \%$

(9) INDICATED MULTISTATE MONOLINE CHANGE  
(SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... - 0.6 %

(10) INDICATED STATEWIDE MONOLINE CHANGE (C)  
(SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... - 2.2 %

(11) SELECTED STATEWIDE MONOLINE CHANGE..... - 2.2 %

(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 07/01/2019.

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

## SECTION D

### RELATIVE CHANGE ANALYSIS

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OREGON  
MANUFACTURERS AND CONTRACTORS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

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	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 0.938 OR - 6.2%	
TOP						
10	0.934	0.190	0.987	0.985		
33	1.594	0.042	1.020	1.017		
34	0.882	0.072	0.991	0.988		
35	1.550	0.021	1.009	1.007		
36	0.957	0.114	0.995	0.992		
37	0.877	0.100	0.987	0.984		
38	1.162	0.209	1.032	1.029		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
30	1.485	0.090	1.036	1.036	-	4.3%
31	1.318	0.157	1.044	1.044	-	3.6%
32	0.983	0.211	0.996	0.996	-	8.0%
33	0.730	0.072	0.978	0.977	-	9.7%
34	0.957	0.101	0.996	0.995	-	8.1%
35	0.781	0.044	0.989	0.989	-	8.7%
36	0.871	0.076	0.990	0.989	-	8.6%
37	0.266	0.040	0.948	0.948	-	12.4%
38	1.048	0.091	1.004	1.004	-	7.3%
OVERALL MONOLINE INDICATION -						7.6%

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

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

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL 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	30 SERVICE	\$263,874	\$908,611	1.722	1.850	26	1.020
	31 LIGHT CONTRACTING	527,196	2,354,186	0.645	0.693	130	1.028
	32 MEDIUM CONTRCTING	2,396,491	10,971,441	0.823	0.884	340	0.981
	33 HEAVY CONTRACTING	545,272	2,162,157	0.870	0.935	32	0.962
	34 DEALER OR DISTRIB	266,604	1,112,279	1.381	1.483	36	0.980
	35 LGT. MANUFACTURER	131,165	768,254	0.424	0.456	11	0.974
	36 MED. MANUFACTURER	227,482	1,134,431	0.875	0.940	24	0.974
	37 HVY. MANUFACTURER	268,004	1,391,174	0.129	0.139	7	0.934
	38 MISC. OPERATION	362,300	1,636,046	0.872	0.937	46	0.989
	TOTAL *	\$4,988,388	\$22,438,579	0.845		652	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$10,844	\$102,887	0.172	0.185	2	1.062
	32 MEDIUM CONTRCTING	1,926	9,869	0.000	0.000	0	1.013
	33 HEAVY CONTRACTING	76,559	312,757	1.098	1.179	13	0.994
	38 MISC. OPERATION	113,839	451,070	1.740	1.870	17	1.021
	TOTAL *	\$203,168	\$876,583	1.398		32	
34 MULT MERCANTILE	30 SERVICE	\$30,895	\$141,653	1.245	1.338	10	1.024
	32 MEDIUM CONTRCTING	32,133	122,414	0.414	0.444	10	0.985
	34 DEALER OR DISTRIB	454,195	2,008,867	0.705	0.757	59	0.984
	36 MED. MANUFACTURER	14,918	86,962	0.000	0.000	0	0.978
	38 MISC. OPERATION	48,153	176,927	2.086	2.242	16	0.992
	TOTAL *	\$580,294	\$2,536,823	0.814		95	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$891	\$6,010	10.791	11.595	2	1.051
	32 MEDIUM CONTRCTING	24,850	145,770	1.099	1.181	6	1.003
	TOTAL *	\$25,741	\$151,780	1.435		8	
36 MULT SERVICES	30 SERVICE	\$22,557	\$117,183	3.595	3.863	17	1.028
	31 LIGHT CONTRACTING	120,734	851,000	1.317	1.415	56	1.036
	32 MEDIUM CONTRCTING	53,199	362,274	1.672	1.796	8	0.989
	33 HEAVY CONTRACTING	13,261	141,446	0.298	0.320	2	0.970
	34 DEALER OR DISTRIB	490,447	1,754,832	0.648	0.697	84	0.988
	36 MED. MANUFACTURER	7,552	55,614	0.639	0.686	2	0.982
	38 MISC. OPERATION	226,640	1,012,146	0.912	0.980	68	0.996
	TOTAL *	\$934,390	\$4,294,495	0.923		237	

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

		(1) FISCAL A.Y.E. 06/30/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL 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						
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	\$547	\$2,460	0.000	0.000	0	1.028
	32 MEDIUM CONTRCTING	620,119	3,062,602	0.775	0.833	46	0.981
	33 HEAVY CONTRACTING	34,225	125,168	0.178	0.191	4	0.962
	34 DEALER OR DISTRIB	27,465	143,955	0.439	0.471	5	0.980
	35 LGT. MANUFACTURER	206,744	910,592	0.800	0.859	24	0.973
	36 MED. MANUFACTURER	611,842	2,749,271	0.686	0.737	78	0.974
	37 HVY. MANUFACTURER	426,801	2,317,455	0.281	0.302	23	0.933
	38 MISC. OPERATION	7,569	30,736	0.235	0.252	2	0.988
	TOTAL *	\$1,935,312	\$9,342,239	0.623		182	
38 MULT CONTRACTORS	30 SERVICE	\$489,889	\$2,270,507	1.268	1.362	96	1.066
	31 LIGHT CONTRACTING	886,480	3,262,394	1.717	1.844	254	1.074
	32 MEDIUM CONTRCTING	2,094,491	9,664,011	1.098	1.180	394	1.025
	33 HEAVY CONTRACTING	465,423	2,262,552	0.552	0.593	43	1.006
	38 MISC. OPERATION	53,012	183,030	0.075	0.080	1	1.033
	TOTAL *	\$3,989,295	\$17,642,494	1.179		788	
TOTAL ALL TOP	30 SERVICE	\$807,215	\$3,437,954	1.480		149	
	31 LIGHT CONTRACTING	1,546,692	6,578,937	1.314		444	
	32 MEDIUM CONTRCTING	5,223,209	24,338,381	0.935		804	
	33 HEAVY CONTRACTING	1,134,740	5,004,080	0.728		94	
	34 DEALER OR DISTRIB	1,238,711	5,019,933	0.822		184	
	35 LGT. MANUFACTURER	337,909	1,678,846	0.654		35	
	36 MED. MANUFACTURER	861,794	4,026,278	0.724		104	
	37 HVY. MANUFACTURER	694,805	3,708,629	0.222		30	
	38 MISC. OPERATION	811,513	3,489,955	1.019		150	
	TOTAL *	\$12,656,588	\$57,282,993	0.931		1,994	

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

OREGON  
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	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 1.159 OR + 15.9%	
TOP						
10	0.763	0.197	0.948	0.950		
31	1.339	0.110	1.033	1.035		
32	1.216	0.093	1.018	1.021		
33	1.085	0.147	1.012	1.014		
34	1.202	0.195	1.037	1.039		
35	0.717	0.129	0.958	0.960		
36	1.126	0.115	1.014	1.016		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
01	0.661	0.075	0.969	0.975	+	9.0%
02	0.912	0.152	0.986	0.992	+	9.5%
03	0.844	0.087	0.985	0.991	+	10.0%
04	1.320	0.029	1.008	1.014	+	11.5%
05	0.376	0.031	0.970	0.976	+	6.5%
06	0.690	0.079	0.971	0.977	+	8.2%
07	1.708	0.108	1.060	1.066	+	19.5%
08	1.965	0.039	1.027	1.033	+	15.2%
09	0.774	0.139	0.965	0.971	+	8.2%
10	1.494	0.128	1.053	1.059	+	17.4%
11	1.385	0.102	1.034	1.040	+	13.9%
12	0.862	0.203	0.970	0.976	+	7.2%
13	0.772	0.061	0.984	0.990	+	10.0%
16	0.288	0.012	0.985	0.991	+	5.2%

OVERALL MONOLINE INDICATION + 10.2%

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



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	(1)	(2)	(3)	(4)	(5)
	BAILEY				
TERRITORY	FORMULA	CREDIBILITY	Z-WTD	BALANCED	INDICATED
	RELATIV.	Z	RELATIV.	RELATIV.	MONOLINE CHG.
501	0.841	0.200	0.966	0.964	+ 5.5%
502	1.093	0.331	1.030	1.027	+ 12.8%

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

OREGON  
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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 501

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL 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	01 FOOD&BEV. (RETAIL)	\$21,941	\$48,661	0.360	0.309	3	0.893
	02 RESTAURANTS	142,778	355,925	0.082	0.070	11	0.908
	03 STORES	28,763	93,476	0.009	0.007	1	0.907
	04 VENDING & RENTAL	7,472	34,612	0.000	0.000	0	0.928
	05 FOOD & BEV. DIST.	50,660	138,132	0.232	0.200	2	0.893
	06 NON-FOOD&BEV.DIST	23,158	134,737	0.995	0.855	12	0.894
	07 CLUBS, AMSMT&SPRTS	56,660	219,599	2.102	1.806	13	0.976
	08 HEALTH CARE FACIL	1,835	5,765	0.000	0.000	0	0.946
	09 HOTELS AND MOTELS	209,068	817,772	0.303	0.260	23	0.889
	10 SCHLS & CHURCHES	57,547	290,040	1.385	1.190	14	0.970
	11 APARTMENTS	307,506	763,611	0.733	0.630	19	0.952
	12 BUILDINGS&OFFICES	467,621	2,416,148	0.502	0.432	78	0.894
	13 MISC. PREMISES	28,652	260,507	0.030	0.026	3	0.907
	TOTAL *	\$1,403,661	\$5,578,985	0.554		179	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$138,424	\$865,048	0.721	0.619	50	0.968
	TOTAL *	\$138,424	\$865,048	0.721		50	
32 MULT APARTMENT	11 APARTMENTS	\$225,411	\$1,002,752	1.928	1.657	56	1.023
	12 BUILDINGS&OFFICES	80,478	234,887	0.051	0.044	2	0.960
	TOTAL *	\$305,889	\$1,237,639	1.435		58	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$806,424	\$3,599,483	1.279	1.099	149	0.954
	13 MISC. PREMISES	4,358	30,249	0.000	0.000	0	0.968
	TOTAL *	\$810,782	\$3,629,732	1.272		149	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$47,617	\$435,164	0.410	0.352	18	0.976
	02 RESTAURANTS	426,674	1,991,167	1.320	1.134	135	0.993
	03 STORES	127,480	485,634	1.547	1.329	21	0.992
	04 VENDING & RENTAL	4,612	21,438	0.000	0.000	0	1.015
	05 FOOD & BEV. DIST.	14,061	69,234	0.227	0.195	4	0.977
	06 NON-FOOD&BEV.DIST	68,497	386,118	1.088	0.935	16	0.978
	12 BUILDINGS&OFFICES	141,676	608,549	0.311	0.267	14	0.977
	TOTAL *	\$830,617	\$3,997,304	1.086		208	

OREGON  
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BASIC LIMIT RELATIVE CHANGE ANALYSIS  
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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY      501

		(1) FISCAL A.Y.E. 06/30/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL 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						
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$1,236	\$5,097	1.264	1.086	3	0.986
	08 HEALTH CARE FACIL	17,947	93,462	3.003	2.580	4	0.955
	10 SCHLS & CHURCHES	84,852	444,568	0.652	0.560	23	0.980
	12 BUILDINGS&OFFICES	1,405	6,808	0.248	0.213	0	0.903
	16 GOVT SUBDIVISIONS	33,399	220,857	0.202	0.173	3	0.917
	TOTAL *	\$138,839	\$770,792	0.849		33	
36 MULT SERVICES	03 STORES	\$17,960	\$84,053	1.096	0.941	4	0.970
	04 VENDING & RENTAL	9,638	40,774	0.442	0.380	1	0.993
	07 CLUBS, AMSMT&SPRTS	61,673	421,139	1.818	1.562	13	1.043
	08 HEALTH CARE FACIL	34	401	0.000	0.000	0	1.011
	09 HOTELS AND MOTELS	20,215	54,599	0.165	0.142	6	0.950
	10 SCHLS & CHURCHES	3,890	15,917	0.000	0.000	0	1.037
	12 BUILDINGS&OFFICES	49,487	193,355	0.871	0.748	11	0.956
	13 MISC. PREMISES	43,316	208,694	1.167	1.002	9	0.969
	TOTAL *	\$206,213	\$1,018,932	1.130		44	
TOTAL ALL      TOP	01 FOOD&BEV. (RETAIL)	\$69,558	\$483,825	0.394		21	
	02 RESTAURANTS	569,452	2,347,092	1.010		146	
	03 STORES	174,203	663,163	1.246		26	
	04 VENDING & RENTAL	21,722	96,824	0.196		1	
	05 FOOD & BEV. DIST.	64,721	207,366	0.231		6	
	06 NON-FOOD&BEV.DIST	91,655	520,855	1.065		28	
	07 CLUBS, AMSMT&SPRTS	119,569	645,835	1.947		29	
	08 HEALTH CARE FACIL	19,816	99,628	2.720		4	
	09 HOTELS AND MOTELS	367,707	1,737,419	0.453		79	
	10 SCHLS & CHURCHES	146,289	750,525	0.923		37	
	11 APARTMENTS	532,917	1,766,363	1.239		75	
	12 BUILDINGS&OFFICES	1,547,091	7,059,230	0.878		254	
	13 MISC. PREMISES	76,326	499,450	0.673		12	
	16 GOVT SUBDIVISIONS	33,399	220,857	0.202		3	
	TOTAL *	\$3,834,425	\$17,098,432	0.939		721	

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

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BASIC LIMIT RELATIVE CHANGE ANALYSIS  
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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 502

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL 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	01 FOOD&BEV. (RETAIL)	\$55,580	\$236,461	0.330	0.283	14	0.952
	02 RESTAURANTS	110,236	394,813	1.276	1.096	27	0.968
	03 STORES	90,089	359,945	1.076	0.924	23	0.967
	04 VENDING & RENTAL	10,204	39,057	2.390	2.053	6	0.990
	05 FOOD & BEV. DIST.	15,089	90,039	0.240	0.206	4	0.953
	06 NON-FOOD&BEV.DIST	63,723	369,213	0.966	0.830	69	0.953
	07 CLUBS, AMSMT&SPRTS	194,069	965,983	1.038	0.892	75	1.040
	08 HEALTH CARE FACIL	6,997	36,048	3.959	3.402	2	1.008
	09 HOTELS AND MOTELS	249,529	933,081	1.196	1.028	66	0.947
	10 SCHLS & CHURCHES	81,937	367,753	1.433	1.232	44	1.034
	11 APARTMENTS	252,598	982,351	1.431	1.230	41	1.015
	12 BUILDINGS&OFFICES	503,740	2,529,009	1.226	1.053	132	0.953
	13 MISC. PREMISES	90,952	427,612	0.486	0.418	19	0.966
	TOTAL *	\$1,724,743	\$7,731,365	1.168		522	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$614,205	\$2,873,528	1.383	1.188	168	1.032
	TOTAL *	\$614,205	\$2,873,528	1.383		168	
32 MULT APARTMENT	11 APARTMENTS	\$250,842	\$1,353,695	2.169	1.863	73	1.090
	12 BUILDINGS&OFFICES	66,063	280,069	1.456	1.251	28	1.023
	TOTAL *	\$316,905	\$1,633,764	2.020		101	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,003,692	\$5,011,562	0.908	0.781	240	1.017
	13 MISC. PREMISES	10,787	42,477	0.214	0.184	1	1.032
	TOTAL *	\$1,014,479	\$5,054,039	0.901		241	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$238,995	\$1,006,887	1.167	1.003	67	1.041
	02 RESTAURANTS	773,190	3,469,732	1.312	1.127	247	1.059
	03 STORES	252,453	1,093,101	1.267	1.089	77	1.058
	04 VENDING & RENTAL	2,114	9,158	0.000	0.000	0	1.082
	05 FOOD & BEV. DIST.	34,326	164,279	0.790	0.679	8	1.041
	06 NON-FOOD&BEV.DIST	119,810	531,188	0.647	0.556	17	1.042
	12 BUILDINGS&OFFICES	181,239	920,367	1.369	1.176	65	1.042
	13 MISC. PREMISES	38	233	0.000	0.000	0	1.057
	TOTAL *	\$1,602,165	\$7,194,945	1.227		481	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 502

		(1) FISCAL A.Y.E. 06/30/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL 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						
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$203,358	\$746,304	1.616	1.388	28	1.051
	08 HEALTH CARE FACIL	62,936	355,800	1.166	1.002	22	1.019
	10 SCHLS & CHURCHES	218,309	1,112,492	1.511	1.299	216	1.044
	12 BUILDINGS&OFFICES	3,330	17,959	0.593	0.510	3	0.963
	TOTAL *	\$487,933	\$2,232,555	1.504		269	
36 MULT SERVICES	03 STORES	\$73,450	\$339,463	0.211	0.181	12	1.034
	04 VENDING & RENTAL	14,084	72,512	3.112	2.673	9	1.058
	07 CLUBS, AMSMT&SPRTS	336,918	1,297,216	2.638	2.267	79	1.112
	08 HEALTH CARE FACIL	510	2,192	0.000	0.000	0	1.078
	09 HOTELS AND MOTELS	344,813	1,001,982	0.992	0.852	35	1.013
	10 SCHLS & CHURCHES	3,295	7,840	0.000	0.000	0	1.105
	12 BUILDINGS&OFFICES	43,135	231,373	1.746	1.500	26	1.019
	13 MISC. PREMISES	91,198	454,631	1.530	1.314	37	1.033
	TOTAL *	\$907,403	\$3,407,209	1.659		198	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$294,575	\$1,243,348	1.009		81	
	02 RESTAURANTS	883,426	3,864,545	1.307		274	
	03 STORES	415,992	1,792,509	1.039		112	
	04 VENDING & RENTAL	26,402	120,727	2.584		15	
	05 FOOD & BEV. DIST.	49,415	254,318	0.622		12	
	06 NON-FOOD&BEV.DIST	183,533	900,401	0.758		86	
	07 CLUBS, AMSMT&SPRTS	734,345	3,009,503	1.932		182	
	08 HEALTH CARE FACIL	70,443	394,040	1.435		24	
	09 HOTELS AND MOTELS	1,208,547	4,808,591	1.233		269	
	10 SCHLS & CHURCHES	303,541	1,488,085	1.474		260	
	11 APARTMENTS	503,440	2,336,046	1.799		114	
	12 BUILDINGS&OFFICES	1,801,199	8,990,339	1.083		494	
	13 MISC. PREMISES	192,975	924,953	0.964		57	
	TOTAL *	\$6,667,833	\$30,127,405	1.293		1,980	

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

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

TERRITORY	ALL	(1) FISCAL A.Y.E. 06/30/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL 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 FOOD&BEV. (RETAIL)	\$77,521	\$285,122	0.338		17	
	02 RESTAURANTS	253,014	750,738	0.602		38	
	03 STORES	118,852	453,421	0.817		24	
	04 VENDING & RENTAL	17,676	73,669	1.380		6	
	05 FOOD & BEV. DIST.	65,749	228,171	0.234		6	
	06 NON-FOOD&BEV.DIST	86,881	503,950	0.974		81	
	07 CLUBS, AMSMT&SPRTS	250,729	1,185,582	1.279		88	
	08 HEALTH CARE FACIL	8,832	41,813	3.137		2	
	09 HOTELS AND MOTELS	458,597	1,750,853	0.789		89	
	10 SCHLS & CHURCHES	139,484	657,793	1.414		58	
	11 APARTMENTS	560,104	1,745,962	1.048		60	
	12 BUILDINGS&OFFICES	971,361	4,945,157	0.878		210	
	13 MISC. PREMISES	119,604	688,119	0.377		22	
	TOTAL *	\$3,128,404	\$13,310,350	0.892		701	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$752,629	\$3,738,576	1.261		218	
	TOTAL *	\$752,629	\$3,738,576	1.261		218	
32 MULT APARTMENT	11 APARTMENTS	\$476,253	\$2,356,447	2.055		129	
	12 BUILDINGS&OFFICES	146,541	514,956	0.685		30	
	TOTAL *	\$622,794	\$2,871,403	1.733		159	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,810,116	\$8,611,045	1.074		389	
	13 MISC. PREMISES	15,145	72,726	0.153		1	
	TOTAL *	\$1,825,261	\$8,683,771	1.066		390	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$286,612	\$1,442,051	1.042		85	
	02 RESTAURANTS	1,199,864	5,460,899	1.315		382	
	03 STORES	379,933	1,578,735	1.361		98	
	04 VENDING & RENTAL	6,726	30,596	0.000		0	
	05 FOOD & BEV. DIST.	48,387	233,513	0.627		12	
	06 NON-FOOD&BEV.DIST	188,307	917,306	0.807		33	
	12 BUILDINGS&OFFICES	322,915	1,528,916	0.905		79	
	13 MISC. PREMISES	38	233	0.000		0	
	TOTAL *	\$2,432,782	\$11,192,249	1.179		689	

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

TERRITORY	ALL	(1) FISCAL A.Y.E. 06/30/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL 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						
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$204,594	\$751,401	1.613		31	
	08 HEALTH CARE FACIL	80,883	449,262	1.574		26	
	10 SCHLS & CHURCHES	303,161	1,557,060	1.271		239	
	12 BUILDINGS&OFFICES	4,735	24,767	0.491		3	
	16 GOVT SUBDIVISIONS	33,399	220,857	0.202		3	
	TOTAL *	\$626,772	\$3,003,347	1.359		302	
36 MULT SERVICES	03 STORES	\$91,410	\$423,516	0.385		16	
	04 VENDING & RENTAL	23,722	113,286	2.027		10	
	07 CLUBS, AMSMT&SPRTS	398,591	1,718,355	2.511		92	
	08 HEALTH CARE FACIL	544	2,593	0.000		0	
	09 HOTELS AND MOTELS	365,028	1,056,581	0.946		41	
	10 SCHLS & CHURCHES	7,185	23,757	0.000		0	
	12 BUILDINGS&OFFICES	92,622	424,728	1.278		37	
	13 MISC. PREMISES	134,514	663,325	1.413		46	
	TOTAL *	\$1,113,616	\$4,426,141	1.561		242	
TOTAL ALL	TOP						
	01 FOOD&BEV. (RETAIL)	\$364,133	\$1,727,173	0.892		102	
	02 RESTAURANTS	1,452,878	6,211,637	1.191		420	
	03 STORES	590,195	2,455,672	1.100		138	
	04 VENDING & RENTAL	48,124	217,551	1.506		16	
	05 FOOD & BEV. DIST.	114,136	461,684	0.400		18	
	06 NON-FOOD&BEV.DIST	275,188	1,421,256	0.860		114	
	07 CLUBS, AMSMT&SPRTS	853,914	3,655,338	1.934		211	
	08 HEALTH CARE FACIL	90,259	493,668	1.717		28	
	09 HOTELS AND MOTELS	1,576,254	6,546,010	1.051		348	
	10 SCHLS & CHURCHES	449,830	2,238,610	1.295		297	
	11 APARTMENTS	1,036,357	4,102,409	1.511		189	
	12 BUILDINGS&OFFICES	3,348,290	16,049,569	0.988		748	
	13 MISC. PREMISES	269,301	1,424,403	0.882		69	
	16 GOVT SUBDIVISIONS	33,399	220,857	0.202		3	
	TOTAL *	\$10,502,258	\$47,225,837	1.164		2,701	

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

OREGON  
PRODUCTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS  
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	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 0.896 OR - 10.4%		
TOP							
10	0.988	0.372	0.995	0.996			
34	1.036	0.371	1.013	1.014			
36	1.005	0.187	1.001	1.002			
37	0.988	0.507	0.994	0.994			
CLASS GROUP					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE
3	0.924	0.500	0.961	0.965	- 13.9%	- 12.4%	- 12.4%
4	1.048	0.406	1.019	1.024	- 8.7%	- 10.3%	- 10.3%
5	1.107	0.132	1.014	1.018	- 9.2%	- 4.1%	- 4.1%
6	1.007	0.320	1.002	1.006	- 10.2%	- 9.7%	- 9.7%
7	1.006	0.182	1.001	1.005	- 10.3%	- 11.3%	- 11.3%
			OVERALL MONOLINE INDICATION		- 10.8%	- 10.9%	- 10.9%
			-----		-----	-----	-----

# 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  
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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	03 MAN, DLR, DSTFD/DRG	\$18,227,491	\$79,500,211	0.856	0.869	1,461	0.961
	04 DLR, DST-NOTFD/DRG	9,616,743	42,155,667	1.119	1.136	640	1.019
	05 MAN.NTFD/DRG (LOW)	1,605,615	6,748,634	1.039	1.055	84	1.014
	06 MAN.NTFD/DRG (MED)	9,640,686	42,498,903	0.958	0.972	466	1.002
	07 MAN.NTFD/DRG (HGH)	2,568,561	11,286,663	1.018	1.033	129	1.001
	TOTAL *	\$41,659,096	\$182,190,078	0.957		2,780	
34 MULT MERCANTILE	03 MAN, DLR, DSTFD/DRG	\$5,166,155	\$25,851,441	1.131	1.148	791	0.979
	04 DLR, DST-NOTFD/DRG	29,011,611	140,165,685	1.037	1.052	1,972	1.038
	06 MAN.NTFD/DRG (MED)	7,625	57,567	0.000	0.000	0	1.020
	TOTAL *	\$34,185,391	\$166,074,693	1.051		2,763	
36 MULT SERVICES	04 DLR, DST-NOTFD/DRG	\$3,197,904	\$14,609,890	1.041	1.057	699	1.025
	06 MAN.NTFD/DRG (MED)	54,898	258,512	0.781	0.793	1	1.008
	TOTAL *	\$3,252,802	\$14,868,402	1.037		700	
37 MULT INDUST/PROC.	03 MAN, DLR, DSTFD/DRG	\$16,474,514	\$81,117,947	0.888	0.901	2,761	0.960
	05 MAN.NTFD/DRG (LOW)	4,070,679	20,897,437	1.092	1.108	269	1.012
	06 MAN.NTFD/DRG (MED)	28,248,516	131,744,418	0.987	1.002	1,582	1.001
	07 MAN.NTFD/DRG (HGH)	7,346,721	36,933,393	0.965	0.980	537	1.000
	TOTAL *	\$56,140,430	\$270,693,195	0.963		5,149	
TOTAL ALL TOP	03 MAN, DLR, DSTFD/DRG	\$39,868,160	\$186,469,599	0.905		5,013	
	04 DLR, DST-NOTFD/DRG	41,826,258	196,931,242	1.056		3,311	
	05 MAN.NTFD/DRG (LOW)	5,676,294	27,646,071	1.077		353	
	06 MAN.NTFD/DRG (MED)	37,951,725	174,559,400	0.979		2,049	
	07 MAN.NTFD/DRG (HGH)	9,915,282	48,220,056	0.979		666	
	TOTAL *	\$135,237,719	\$633,826,368	0.985		11,392	

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

OREGON  
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 1.023 OR + 2.3%				
TOP									
10	0.966	0.748	0.975	0.972					
34	0.964	0.540	0.981	0.977					
36	0.992	0.515	0.996	0.992					
37	0.964	0.137	0.995	0.992					
38	1.026	0.954	1.025	1.021					
					(5) INDICATED MULTISTATE MONOLINE CHANGE		(6) INDICATED STATEWIDE MONOLINE CHANGE#*		(7) SELECTED STATEWIDE MONOLINE CHANGE
CLASS GROUP									
1	0.916	0.549	0.953	0.948	- 5.3%		- 5.5%		- 5.7%
2	1.035	0.493	1.017	1.012	+ 0.1%		- 1.8%		- 1.9%
11	1.102	0.352	1.035	1.029	+ 2.0%		- 1.5%		- 1.9%
12	1.015	1.000	1.015	1.009	0.0%		- 1.6%		- 1.7%
13	0.793	0.264	0.941	0.935	- 7.2%		- 10.2%		- 9.6%
			OVERALL MONOLINE INDICATION		- 0.6%		- 2.2%		- 2.2%

# 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 \*

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STATE	(1) BAILEY FORMULA RELATIV	(2) CREDIBILITY Z	(3) Z-WTD RELATIV	(4) BALANCED RELATIV.	(5) INDICATED ** MONOLINE CHG.	(6) SELECTED MONOLINE CHG.
	1.422	0.386	1.146	1.145		
	1.207	0.623	1.124	1.124		
	1.428	0.229	1.085	1.085		
	1.148	0.427	1.061	1.061		
	1.417	0.160	1.057	1.057		
	1.441	0.153	1.057	1.057		
	1.212	0.263	1.052	1.052		
	1.099	0.505	1.049	1.049		
	1.138	0.345	1.046	1.046		
	1.125	0.368	1.044	1.044		
	1.194	0.231	1.042	1.042		
	1.131	0.326	1.041	1.041		
	1.176	0.239	1.040	1.039		
	1.152	0.224	1.032	1.032		
	1.067	0.435	1.029	1.029		
	1.055	0.453	1.024	1.024		
	1.261	0.100	1.023	1.023		
	1.092	0.227	1.020	1.020		
	1.051	0.369	1.018	1.018		
	1.103	0.187	1.019	1.018		
	1.093	0.192	1.017	1.017		
	1.040	0.307	1.012	1.012		
	1.021	0.449	1.010	1.009		
	1.029	0.143	1.004	1.004		
	1.004	0.494	1.002	1.002		
	1.006	0.131	1.001	1.001		
	0.999	0.377	1.000	0.999		
	0.996	0.097	1.000	0.999		
	0.995	0.402	0.998	0.998		
	0.978	0.190	0.996	0.996		
	0.967	0.458	0.985	0.985		
	0.927	0.241	0.982	0.982		
Oregon	0.941	0.349	0.979	0.979	-2.2%	-2.2%
	0.898	0.260	0.972	0.972		
	0.894	0.285	0.969	0.969		
	0.696	0.104	0.963	0.963		
	0.791	0.160	0.963	0.963		
	0.891	0.364	0.959	0.959		
	0.761	0.154	0.959	0.959		
	0.845	0.288	0.953	0.953		
	0.722	0.158	0.950	0.950		
	0.769	0.195	0.950	0.950		
	0.909	0.547	0.949	0.949		
	0.795	0.238	0.947	0.947		
	0.513	0.084	0.945	0.945		
	0.640	0.136	0.941	0.941		
	0.815	0.308	0.939	0.939		
	0.848	0.470	0.925	0.925		
	0.758	0.321	0.915	0.915		
	0.604	0.179	0.914	0.913		
	0.818	0.527	0.899	0.899		
	0.806	0.575	0.884	0.883		

\* Sorted by balanced relative change.

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

OREGON  
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. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$16,584	\$51,965	3.262	3.018	4	0.902
	02 RET.STRS-NTFD/DRG	14,793	100,653	1.339	1.239	16	0.962
	11 COMP. OPS. (LOW)	96,226	422,219	0.613	0.567	9	0.979
	12 COMP. OPS. (MED)	2,319,016	9,569,211	0.756	0.700	133	0.960
	13 COMP. OPS. (HGH)	157,641	694,808	1.227	1.135	4	0.890
	TOTAL *	\$2,604,260	\$10,838,856	0.799		166	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$166,785	\$692,022	0.743	0.688	33	0.907
	02 RET.STRS-NTFD/DRG	108,994	429,632	1.492	1.380	20	0.968
	12 COMP. OPS. (MED)	38,734	178,340	2.615	2.420	6	0.966
	TOTAL *	\$314,513	\$1,299,994	1.233		59	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$13,751	\$49,083	0.642	0.594	5	0.921
	02 RET.STRS-NTFD/DRG	347,984	1,131,377	1.006	0.931	57	0.983
	11 COMP. OPS. (LOW)	38,581	198,107	0.162	0.150	1	1.000
	12 COMP. OPS. (MED)	148,079	524,818	1.747	1.617	11	0.981
	13 COMP. OPS. (HGH)	22,993	126,492	0.739	0.684	4	0.909
	TOTAL *	\$571,388	\$2,029,877	1.122		78	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$632	\$2,840	0.000	0.000	0	0.920
	11 COMP. OPS. (LOW)	1,386	7,847	0.011	0.010	1	0.999
	12 COMP. OPS. (MED)	72,358	377,231	2.320	2.147	7	0.980
	TOTAL *	\$74,376	\$387,918	2.258		8	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$232,056	\$970,075	1.090	1.009	20	1.029
	12 COMP. OPS. (MED)	4,131,569	18,355,404	1.137	1.052	331	1.009
	13 COMP. OPS. (HGH)	254,384	1,219,025	0.619	0.573	10	0.935
	TOTAL *	\$4,618,009	\$20,544,504	1.106		361	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$197,752	\$795,910	0.945		42	
	02 RET.STRS-NTFD/DRG	471,771	1,661,662	1.129		93	
	11 COMP. OPS. (LOW)	368,249	1,598,248	0.864		31	
	12 COMP. OPS. (MED)	6,709,756	29,005,004	1.040		488	
	13 COMP. OPS. (HGH)	435,018	2,040,325	0.846		18	
	TOTAL *	\$8,182,546	\$35,101,149	1.025		672	

\* 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. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$2,565,927	\$10,980,064	0.980		762	
	02 RET.STRS-NTFD/DRG	2,610,173	11,610,218	1.215		490	
	11 COMP. OPS. (LOW)	3,985,620	17,948,273	1.339		705	
	12 COMP. OPS. (MED)	81,183,051	360,572,009	1.070		6,178	
	13 COMP. OPS. (HGH)	7,740,701	39,136,832	0.707		280	
	TOTAL *	\$98,085,472	\$440,247,396	1.054		8,415	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$7,831,998	\$36,819,520	0.941		3,576	
	02 RET.STRS-NTFD/DRG	5,162,530	23,225,919	1.001		661	
	12 COMP. OPS. (MED)	2,015,614	9,977,474	1.199		139	
	TOTAL *	\$15,010,142	\$70,022,913	0.996		4,376	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$727,613	\$3,418,235	1.031		196	
	02 RET.STRS-NTFD/DRG	12,212,353	48,251,774	1.091		2,506	
	11 COMP. OPS. (LOW)	3,092,023	14,000,322	1.112		510	
	12 COMP. OPS. (MED)	4,435,477	20,928,020	0.944		693	
	13 COMP. OPS. (HGH)	989,025	5,060,530	1.199		87	
	TOTAL *	\$21,456,491	\$91,658,881	1.066		3,992	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$26,825	\$90,444	2.392		1	
	11 COMP. OPS. (LOW)	114,357	528,705	1.231		19	
	12 COMP. OPS. (MED)	3,455,498	16,903,775	1.021		263	
	13 COMP. OPS. (HGH)	40,479	307,358	0.581		0	
	TOTAL *	\$3,637,159	\$17,830,282	1.033		283	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$7,992,454	\$36,921,895	1.158		627	
	12 COMP. OPS. (MED)	139,682,161	659,850,085	1.123		12,364	
	13 COMP. OPS. (HGH)	14,266,724	66,209,562	0.927		683	
	TOTAL *	\$161,941,339	\$762,981,542	1.108		13,674	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$11,152,363	\$51,308,263	0.959		4,535	
	02 RET.STRS-NTFD/DRG	19,985,056	83,087,911	1.084		3,657	
	11 COMP. OPS. (LOW)	15,184,454	69,399,195	1.197		1,861	
	12 COMP. OPS. (MED)	230,771,801	1,068,231,363	1.100		19,637	
	13 COMP. OPS. (HGH)	23,036,929	110,714,282	0.864		1,050	
	TOTAL *	\$300,130,603	\$1,382,741,014	1.081		30,740	

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

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	06/30/2016	\$4,015,764		1.000		1.129				\$4,533,798
	06/30/2017	4,306,523		1.000		1.102				4,745,788
	06/30/2018	4,522,989		1.024		1.075				4,978,906
MULTILINE	06/30/2016	\$6,939,851		1.000		1.125		0.903		\$7,050,021
	06/30/2017	7,235,849		1.000		1.099		0.903		7,180,835
	06/30/2018	7,721,199		1.024		1.072		0.903		7,653,626
TOTAL	06/30/2016									\$11,583,819
	06/30/2017									11,926,623
	06/30/2018									12,632,532

+ 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 12/01/2019 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

OREGON  
MANUFACTURERS AND CONTRACTORS  
OCCURRENCE  
FULL COVERAGE  
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	06/30/2016	\$1,340,443		1.033		1.085		1.242		0.976		\$1,821,167
		06/30/2017	1,180,186		1.480		1.085		1.188		0.981		2,208,652
		06/30/2018	775,311		2.117		1.085		1.137		0.985		1,994,450
BI	ALAE	06/30/2016	\$1,081,371				1.085		1.242		0.976		\$1,422,250
		06/30/2017	981,983				1.085		1.188		0.981		1,241,707
		06/30/2018	1,045,798				1.085		1.137		0.985		1,270,791
PD	B/L INDEMNITY	06/30/2016	\$2,683,840		1.068		1.085		1.242		0.976		\$3,769,893
		06/30/2017	2,032,676		1.130		1.085		1.188		0.981		2,904,436
		06/30/2018	2,744,754		1.135		1.085		1.137		0.985		3,785,522
PD	ALAE	06/30/2016	\$721,307				1.085		1.242		0.976		\$948,683
		06/30/2017	529,722				1.085		1.188		0.981		669,828
		06/30/2018	962,883				1.085		1.137		0.985		1,170,038
MED PAY#	B/L INDEMNITY	06/30/2016	\$44,720				1.085		1.242		0.976		\$58,817
		06/30/2017	66,270				1.085		1.188		0.981		83,798
		06/30/2018	76,990				1.085		1.137		0.985		93,554
FRINGE	B/L INDEMNITY	06/30/2016	\$203,835		1.060		1.085		1.025		0.976		\$234,524
		06/30/2017	112,626		1.143		1.085		1.020		0.981		139,760
		06/30/2018	233,247		1.508		1.085		1.015		0.985		381,548
FRINGE	ALAE	06/30/2016	\$291,908				1.085		1.025		0.976		\$316,847
		06/30/2017	208,780				1.085		1.020		0.981		226,667
		06/30/2018	442,725				1.085		1.015		0.985		480,249
	TOTAL FULL COVERAGE	06/30/2016											\$8,572,182
		06/30/2017											7,474,848
		06/30/2018											9,176,152

\* 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.



OREGON  
MANUFACTURERS AND CONTRACTORS  
OCCURRENCE  
DED COVERAGE  
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	06/30/2016	\$331,314		1.143		1.085		1.242		0.976		\$498,066
		06/30/2017	270,217		1.482		1.085		1.188		0.981		506,379
		06/30/2018	117,523		2.432		1.085		1.137		0.985		347,306
BI	ALAE	06/30/2016	\$514,341				1.085		1.242		0.976		\$676,476
		06/30/2017	187,981				1.085		1.188		0.981		237,700
		06/30/2018	132,422				1.085		1.137		0.985		160,911
PD	B/L INDEMNITY	06/30/2016	\$644,533		1.048		1.085		1.242		0.976		\$888,398
		06/30/2017	498,309		1.095		1.085		1.188		0.981		689,967
		06/30/2018	558,947		1.206		1.085		1.137		0.985		819,114
PD	ALAE	06/30/2016	\$191,356				1.085		1.242		0.976		\$251,677
		06/30/2017	102,329				1.085		1.188		0.981		129,394
		06/30/2018	152,358				1.085		1.137		0.985		185,136
MED PAY#	B/L INDEMNITY	06/30/2016	\$5,000				1.085		1.242		0.976		\$6,576
		06/30/2017	7,237				1.085		1.188		0.981		9,151
		06/30/2018	10,135				1.085		1.137		0.985		12,315
	TOTAL DED COVERAGE	06/30/2016											\$2,321,193
		06/30/2017											1,572,591
		06/30/2018											1,524,784
	TOTAL	06/30/2016											\$10,893,375
		06/30/2017											9,047,439
		06/30/2018											10,700,935

\* 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.

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	06/30/2016	\$2,470,665		1.000		1.014				\$2,505,254
	06/30/2017	2,936,886		1.000		1.013				2,975,066
	06/30/2018	3,081,403		1.005		1.010				3,127,778
MULTILINE	06/30/2016	\$7,455,530		1.000		1.023		0.869		\$6,627,869
	06/30/2017	8,042,397		1.000		1.020		0.868		7,120,417
	06/30/2018	8,344,189		1.005		1.014		0.867		7,372,372
TOTAL	06/30/2016									\$9,133,123
	06/30/2017									10,095,483
	06/30/2018									10,500,150

+ 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 12/01/2019 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	06/30/2016	\$3,330,096		0.976		1.085		1.184		0.952		\$3,974,889
		06/30/2017	4,960,905		1.136		1.085		1.144		0.961		6,722,308
		06/30/2018	3,848,259		1.398		1.085		1.106		0.971		6,268,672
BI	ALAE	06/30/2016	\$1,161,620				1.085		1.184		0.952		\$1,420,635
		06/30/2017	2,353,709				1.085		1.144		0.961		2,807,579
		06/30/2018	2,505,527				1.085		1.106		0.971		2,919,464
PD	B/L INDEMNITY	06/30/2016	\$451,219		1.033		1.085		1.242		0.952		\$597,965
		06/30/2017	690,767		1.117		1.085		1.188		0.961		955,772
		06/30/2018	675,851		1.152		1.085		1.137		0.971		932,638
PD	ALAE	06/30/2016	\$268,400				1.085		1.242		0.952		\$344,327
		06/30/2017	256,187				1.085		1.188		0.961		317,341
		06/30/2018	324,813				1.085		1.137		0.971		389,084
MED PAY#	B/L INDEMNITY	06/30/2016	\$509,107				1.085		1.184		0.952		\$622,626
		06/30/2017	714,927				1.085		1.144		0.961		852,788
		06/30/2018	653,069				1.085		1.106		0.971		760,962
FRINGE	B/L INDEMNITY	06/30/2016	\$302,217		1.084		1.085		1.076		0.952		\$364,105
		06/30/2017	268,985		1.320		1.085		1.060		0.961		392,429
		06/30/2018	203,712		1.731		1.085		1.044		0.971		387,849
FRINGE	ALAE	06/30/2016	\$432,957				1.085		1.076		0.952		\$481,198
		06/30/2017	1,179,282				1.085		1.060		0.961		1,303,397
		06/30/2018	1,579,369				1.085		1.044		0.971		1,737,133
	TOTAL FULL COVERAGE	06/30/2016											\$7,805,745
		06/30/2017											13,351,613
		06/30/2018											13,395,802

\* 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.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	06/30/2016	\$478,766		1.044		1.085		1.184		0.952		\$611,283
		06/30/2017	307,069		1.196		1.085		1.144		0.961		438,073
		06/30/2018	196,000		1.563		1.085		1.106		0.971		356,960
BI	ALAE	06/30/2016	\$170,195				1.085		1.184		0.952		\$208,145
		06/30/2017	140,662				1.085		1.144		0.961		167,786
		06/30/2018	109,340				1.085		1.106		0.971		127,404
PD	B/L INDEMNITY	06/30/2016	\$114,031		1.163		1.085		1.242		0.952		\$170,134
		06/30/2017	72,448		1.199		1.085		1.188		0.961		107,601
		06/30/2018	38,917		1.274		1.085		1.137		0.971		59,391
PD	ALAE	06/30/2016	\$62,889				1.085		1.242		0.952		\$80,679
		06/30/2017	13,248				1.085		1.188		0.961		16,410
		06/30/2018	10,142				1.085		1.137		0.971		12,149
MED PAY#	B/L INDEMNITY	06/30/2016	\$14,593				1.085		1.184		0.952		\$17,847
		06/30/2017	14,155				1.085		1.144		0.961		16,885
		06/30/2018	37,380				1.085		1.106		0.971		43,556
	TOTAL DED COVERAGE	06/30/2016											\$1,088,088
		06/30/2017											746,755
		06/30/2018											599,459
	TOTAL	06/30/2016											\$8,893,833
		06/30/2017											14,098,368
		06/30/2018											13,995,261

\* 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.

OREGON  
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	0.786
34	Mercantile Policy	0.998
35	Institutional Policy	0.713
36	Service Policy	0.941
37	Industrial/Processing Policy	0.896
38	Contractors Policy	0.894

- (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.

OREGON  
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	0.905
34	Mercantile Policy	0.758
35	Institutional Policy	1.021
36	Service Policy	0.866
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.

OREGON

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	1.023	1.025	0.7139	1.024	30,000,000
27 to 39 Months	1.000	1.000	0.4727	1.000	80,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From			<u>Factor</u>
		<u>39:27</u>	<u>ULT:39</u>		
6/30/2016			1.000		1.000
6/30/2017		1.000	1.000		1.000
6/30/2018	1.024	1.000	1.000		1.024

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

# OREGON

## 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	1.003	1.006	0.6001	1.005	40,000,000
27 to 39 Months	1.000	0.999	0.3220	1.000	120,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From <u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
6/30/2016			1.000		1.000
6/30/2017		1.000	1.000		1.000
6/30/2018	1.005	1.000	1.000		1.005

(a) See Section E - Multistate Premium Development.

(b) See Section E - Statewide Premium Development.

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

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



OREGON  
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>
6/30/2011	18,386,303	18,293,989	18,300,186	18,299,864	18,299,864	18,299,864	18,299,864	18,299,864
6/30/2012	18,930,282	19,205,930	19,205,279	19,203,230	19,203,956	19,203,811	19,203,811	
6/30/2013	20,124,253	20,581,131	20,551,982	20,566,064	20,553,075	20,552,517		
6/30/2014	21,517,171	22,004,640	21,962,666	21,936,129	21,939,207			
6/30/2015	22,880,204	23,357,629	23,371,533	23,378,496				
6/30/2016	25,393,161	26,360,389	26,353,568					
6/30/2017	26,582,355	27,379,118						
6/30/2018	28,570,296							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
6/30/2011	0.995	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2012	1.015	1.000	1.000	1.000	1.000	1.000	
6/30/2013	1.023	0.999	1.001	0.999	1.000		
6/30/2014	1.023	0.998	0.999	1.000			
6/30/2015	1.021	1.001	1.000				
6/30/2016	1.038	1.000					
6/30/2017	1.030						
6/30/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.025	1.000

OREGON  
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>
6/30/2011	16,316,135	16,321,046	16,321,315	16,321,238	16,321,238	16,321,270	16,321,270	16,321,270
6/30/2012	16,702,930	16,832,593	16,833,585	16,834,276	16,834,367	16,834,367	16,834,367	
6/30/2013	17,155,579	17,314,222	17,271,554	17,270,531	17,270,569	17,270,633		
6/30/2014	18,134,708	18,262,809	18,260,637	18,266,264	18,268,953			
6/30/2015	18,889,163	18,983,058	18,989,046	18,999,889				
6/30/2016	19,591,220	19,734,739	19,698,002					
6/30/2017	21,546,646	21,578,635						
6/30/2018	22,873,845							

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>
6/30/2011	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2012	1.008	1.000	1.000	1.000	1.000	1.000	
6/30/2013	1.009	0.998	1.000	1.000	1.000		
6/30/2014	1.007	1.000	1.000	1.000			
6/30/2015	1.005	1.000	1.001				
6/30/2016	1.007	0.998					
6/30/2017	1.001						
6/30/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.006	0.999

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>
6/30/2011	1,312,718,718	1,327,807,591	1,328,415,777	1,328,304,991	1,328,274,438	1,328,175,650	1,328,174,240	1,328,165,289
6/30/2012	1,339,272,405	1,361,470,305	1,361,140,553	1,361,042,432	1,361,188,850	1,361,434,589	1,361,420,081	
6/30/2013	1,399,138,388	1,427,087,228	1,426,711,141	1,426,813,275	1,426,893,574	1,426,883,496		
6/30/2014	1,447,749,770	1,485,724,877	1,484,136,106	1,483,926,269	1,483,848,357			
6/30/2015	1,513,109,236	1,547,472,737	1,547,165,905	1,547,150,233				
6/30/2016	1,511,498,528	1,546,157,045	1,543,873,060					
6/30/2017	1,561,838,709	1,599,344,880						
6/30/2018	1,635,697,449							

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>
6/30/2011	1.011	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2012	1.017	1.000	1.000	1.000	1.000	1.000	
6/30/2013	1.020	1.000	1.000	1.000	1.000		
6/30/2014	1.026	0.999	1.000	1.000			
6/30/2015	1.023	1.000	1.000				
6/30/2016	1.023	0.999					
6/30/2017	1.024						
6/30/2018							

Average Best 3 of 5  
27:15      39:27  
1.023      1.000

MULTISTATE  
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	<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>
6/30/2011	1,635,457,753	1,643,623,871	1,644,962,979	1,644,927,371	1,644,907,647	1,644,946,380	1,644,943,728	1,644,944,640
6/30/2012	1,630,149,072	1,642,523,537	1,642,543,597	1,642,504,687	1,642,390,082	1,642,395,230	1,642,557,825	
6/30/2013	1,720,801,499	1,730,717,615	1,730,735,009	1,729,491,016	1,729,814,216	1,729,682,434		
6/30/2014	1,790,583,337	1,796,521,351	1,794,361,804	1,795,337,208	1,795,394,388			
6/30/2015	1,908,748,498	1,911,908,028	1,911,741,253	1,911,580,189				
6/30/2016	2,023,036,283	2,029,344,928	2,028,117,568					
6/30/2017	2,073,006,980	2,075,915,568						
6/30/2018	2,106,390,997							

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>
6/30/2011	1.005	1.001	1.000	1.000	1.000	1.000	1.000
6/30/2012	1.008	1.000	1.000	1.000	1.000	1.000	
6/30/2013	1.006	1.000	0.999	1.000	1.000		
6/30/2014	1.003	0.999	1.001	1.000			
6/30/2015	1.002	1.000	1.000				
6/30/2016	1.003	0.999					
6/30/2017	1.001						
6/30/2018							

Average Best 3 of 5  
27:15      39:27  
1.003      1.000

## LOSS DEVELOPMENT DATA TABLE OF CONTENTS

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Multistate BI Indemnity-Full	E-43-44	Multistate BI Indemnity-Full	E-59-60
Multistate BI Indemnity-Ded	E-45-46	Multistate BI Indemnity-Ded	E-61-62
Multistate BI ALAE	E-47-48	Multistate BI ALAE	E-63-64
Multistate PD Indemnity-Full	E-49-50	Multistate PD Indemnity-Full	E-65-66
Multistate PD Indemnity-Ded	E-51-52	Multistate PD Indemnity-Ded	E-67-68
Multistate PD ALAE	E-53-54	Multistate PD ALAE	E-69-70
Multistate Fringe Indemnity-Full	E-55-56	Multistate Fringe Indemnity-Full	E-71-72
Multistate Fringe ALAE	E-57-58	Multistate Fringe ALAE	E-73-74

OREGON

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	1.552	1.334	0.5590	1.430	1,600,000
27 to 39 Months	1.293	1.533	0.5819	1.433	1,800,000
39 to 51 Months	1.064	1.049	0.7017	1.053	2,100,000
51 to 63 Months	0.995	0.997	0.6454	0.996	2,500,000
63 to 75 Months	0.991	0.994	0.6161	0.993	2,900,000
75 to 87 Months	0.998	0.998	0.5217	0.998	3,400,000
87 to 99 Months	0.997	0.996	0.4875	0.997	4,000,000
99 to 111 Months	0.997	1.000	0.4353	0.998	4,600,000
111 to 123 Months	0.999	1.000	0.4227	0.999	5,400,000
123 to 135 Months	1.000	1.000	0.3697	1.000	6,300,000
135 to 147 Months	1.001	1.000	0.3436	1.001	7,300,000
147 to 159 Months	1.000	1.000	0.2781	1.000	8,600,000
159 to 171 Months	0.999	1.000	0.2255	0.999	10,000,000
171 to 183 Months	1.000	1.000	0.1739	1.000	11,700,000
183 to 195 Months	1.000	1.000	0.1465	1.000	13,700,000
195 to 207 Months	1.000	1.000	0.1765	1.000	16,100,000
207 to 219 Months	1.000	1.000	0.2221	1.000	18,900,000
219 to 231 Months	1.000	1.000	0.1725	1.000	22,100,000
231 to 243 Months	1.000	1.000	0.0943	1.000	26,000,000
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
6/30/2016			1.053	0.996	0.993	0.998	0.997	0.998	0.999	1.000	1.001
6/30/2017		1.433	1.053	0.996	0.993	0.998	0.997	0.998	0.999	1.000	1.001
6/30/2018	1.430	1.433	1.053	0.996	0.993	0.998	0.997	0.998	0.999	1.000	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>
6/30/2016	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.033
6/30/2017	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.480
6/30/2018	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000		2.117

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

OREGON

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 <sub>i</sub> )
15 to 27 Months	0.0669	0.0367	0.5590	0.0500	1,600,000
27 to 39 Months	0.1039	0.0972	0.5819	0.1000	1,800,000
39 to 51 Months	0.0860	0.1180	0.7017	0.1085	2,100,000
51 to 63 Months	0.0473	0.0375	0.6454	0.0410	2,500,000
63 to 75 Months	0.0297	-0.0002	0.6161	0.0113	2,900,000
75 to 87 Months	0.0127	0.0007	0.5217	0.0065	3,400,000
87 to 99 Months	0.0074	0.0004	0.4875	0.0040	4,000,000
99 to 111 Months	0.0035	-0.0011	0.4353	0.0015	4,600,000
111 to 123 Months	0.0025	0.0000	0.4227	0.0014	5,400,000
123 to 135 Months	0.0011	0.0000	0.3697	0.0007	6,300,000
135 to 147 Months	0.0010	0.0000	0.3436	0.0006	7,300,000
147 to 159 Months	0.0022	0.0000	0.2781	0.0016	8,600,000
159 to 171 Months	0.0013	0.0000	0.2255	0.0010	10,000,000
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>
	0.328	0.278	0.178	0.070	0.029	0.017	0.011
<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	0.004	0.003	0.003	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	532,162	3,085,440	0.178	549,209	1,081,371
6/30/2017	50,712	3,349,896	0.278	931,271	981,983
6/30/2018	19,194	3,129,878	0.328	1,026,604	1,045,798

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	327,392	1,050,278	0.178	186,949	514,341
6/30/2017	32,182	560,429	0.278	155,799	187,981
6/30/2018	4,327	390,529	0.328	128,095	132,422

(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)}}

OREGON

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	1.100	0.960	0.6798	1.005	2,700,000
27 to 39 Months	1.042	1.065	0.6859	1.058	2,800,000
39 to 51 Months	1.008	0.990	0.6513	0.996	2,900,000
51 to 63 Months	1.008	1.027	0.6484	1.020	3,000,000
63 to 75 Months	1.006	1.023	0.6352	1.017	3,100,000
75 to 87 Months	1.006	1.005	0.6299	1.005	3,200,000
87 to 99 Months	1.006	1.010	0.6262	1.009	3,300,000
99 to 111 Months	1.006	1.011	0.6269	1.009	3,400,000
111 to 123 Months	1.006	0.998	0.6232	1.001	3,500,000
123 to 135 Months	1.001	1.000	0.6022	1.000	3,600,000
135 to 147 Months	1.002	1.000	0.5495	1.001	3,700,000
147 to 159 Months	1.002	1.000	0.4905	1.001	3,800,000
159 to 171 Months	1.002	1.000	0.4136	1.001	3,900,000
171 to 183 Months	1.001	0.999	0.4179	1.000	4,000,000
183 to 195 Months	1.001	1.000	0.4278	1.001	4,100,000
195 to 207 Months	1.000	1.000	0.5421	1.000	4,200,000
207 to 219 Months	1.001	1.000	0.6055	1.000	4,300,000
219 to 231 Months	1.001	1.000	0.5530	1.000	4,400,000
231 to 243 Months	1.001	1.000	0.3790	1.001	4,500,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year		Loss Development From									
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2016			0.996	1.020	1.017	1.005	1.009	1.009	1.001	1.000	1.001
6/30/2017		1.058	0.996	1.020	1.017	1.005	1.009	1.009	1.001	1.000	1.001
6/30/2018	1.005	1.058	0.996	1.020	1.017	1.005	1.009	1.009	1.001	1.000	1.001
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
6/30/2016	1.001	1.001	1.000	1.001	1.000	1.000	1.000	1.001	1.004		1.068
6/30/2017	1.001	1.001	1.000	1.001	1.000	1.000	1.000	1.001	1.004		1.130
6/30/2018	1.001	1.001	1.000	1.001	1.000	1.000	1.000	1.001	1.004		1.135

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



OREGON

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 <sub>i</sub> )
15 to 27 Months	0.0471	0.0621	0.6798	0.0573	2,700,000
27 to 39 Months	0.0463	0.0767	0.6859	0.0672	2,800,000
39 to 51 Months	0.0390	0.0314	0.6513	0.0340	2,900,000
51 to 63 Months	0.0287	0.0159	0.6484	0.0204	3,000,000
63 to 75 Months	0.0157	0.0045	0.6352	0.0086	3,100,000
75 to 87 Months	0.0111	0.0019	0.6299	0.0053	3,200,000
87 to 99 Months	0.0097	0.0033	0.6262	0.0057	3,300,000
99 to 111 Months	0.0122	0.0002	0.6269	0.0047	3,400,000
111 to 123 Months	0.0076	0.0006	0.6232	0.0032	3,500,000
123 to 135 Months	0.0056	0.0000	0.6022	0.0022	3,600,000
135 to 147 Months	0.0050	0.0000	0.5495	0.0023	3,700,000
147 to 159 Months	0.0047	0.0000	0.4905	0.0024	3,800,000
159 to 171 Months	0.0036	0.0000	0.4136	0.0021	3,900,000
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>
	0.215	0.158	0.091	0.057	0.036	0.028	0.023
<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>
	0.017	0.012	0.009	0.007	0.004	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	408,738	3,434,846	0.091	312,569	721,307
6/30/2017	171,593	2,266,636	0.158	358,129	529,722
6/30/2018	81,702	4,098,512	0.215	881,181	962,883

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	124,037	739,749	0.091	67,319	191,356
6/30/2017	14,857	553,620	0.158	87,472	102,329
6/30/2018	12,840	648,937	0.215	139,518	152,358

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

OREGON

Premises/Operations

Manufacturers & Contractors

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.1735
27 to 39 Months	0.2184
39 to 51 Months	0.2001
51 to 63 Months	0.1335
63 to 75 Months	0.0667
75 to 87 Months	0.0477
87 to 99 Months	0.0181
99 to 111 Months	0.0163
111 to 123 Months	0.0131
123 to 135 Months	0.0035
135 to 147 Months	0.0016
147 to 159 Months	0.0008
159 to 171 Months	0.0088
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>
	0.902	0.729	0.510	0.310	0.177	0.110	0.062
<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>
	0.044	0.028	0.015	0.011	0.010	0.009	0.000

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	166,952	245,009	0.510	124,956	291,908
6/30/2017	93,504	158,128	0.729	115,276	208,780
6/30/2018	11,849	477,689	0.902	430,876	442,725

(A) See Section E - Multistate Loss Development.

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

OREGON

Premises/Operations

Owners, Landlords & Tenants

Bodily Injury

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.338	1.205	0.8148	1.230	1,600,000
27 to 39 Months	1.146	1.169	0.7855	1.164	2,200,000
39 to 51 Months	1.028	0.976	0.7477	0.989	2,900,000
51 to 63 Months	0.993	1.001	0.6816	0.998	3,800,000
63 to 75 Months	0.991	0.998	0.6065	0.995	5,000,000
75 to 87 Months	0.993	0.998	0.5658	0.996	6,600,000
87 to 99 Months	0.996	1.000	0.4647	0.998	8,700,000
99 to 111 Months	0.998	1.000	0.4021	0.999	11,500,000
111 to 123 Months	1.000	1.000	0.3084	1.000	15,300,000
123 to 135 Months	1.000	1.000	0.2834	1.000	20,300,000
135 to 147 Months	1.000	1.000	0.2272	1.000	26,900,000
147 to 159 Months	1.000	1.000	0.1758	1.000	35,600,000
159 to 171 Months	1.001	1.000	0.1340	1.001	47,400,000
171 to 183 Months	1.000	1.000	0.1013	1.000	62,900,000
183 to 195 Months	1.000	1.000	0.0861	1.000	83,600,000
195 to 207 Months	1.000	1.000	0.0735	1.000	111,200,000
207 to 219 Months	1.000	1.000	0.0645	1.000	147,900,000
219 to 231 Months	1.000	1.000	0.0370	1.000	197,000,000
231 to 243 Months	1.000	1.000	0.0144	1.000	262,500,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From								123:111	135:123	147:135
		39:27	51:39	63:51	75:63	87:75	99:87	111:99				
6/30/2016			0.989	0.998	0.995	0.996	0.998	0.999	1.000	1.000	1.000	
6/30/2017		1.164	0.989	0.998	0.995	0.996	0.998	0.999	1.000	1.000	1.000	
6/30/2018	1.230	1.164	0.989	0.998	0.995	0.996	0.998	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	
6/30/2016	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.976	
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.136	
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.398	

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

OREGON

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 <sub>i</sub> )
15 to 27 Months	0.0737	0.0588	0.8148	0.0615	1,600,000
27 to 39 Months	0.0841	0.1156	0.7855	0.1089	2,200,000
39 to 51 Months	0.0601	0.0210	0.7477	0.0309	2,900,000
51 to 63 Months	0.0287	0.0093	0.6816	0.0155	3,800,000
63 to 75 Months	0.0128	0.0115	0.6065	0.0120	5,000,000
75 to 87 Months	0.0064	0.0051	0.5658	0.0057	6,600,000
87 to 99 Months	0.0030	0.0026	0.4647	0.0028	8,700,000
99 to 111 Months	0.0035	0.0000	0.4021	0.0021	11,500,000
111 to 123 Months	0.0016	0.0001	0.3084	0.0011	15,300,000
123 to 135 Months	0.0011	0.0000	0.2834	0.0008	20,300,000
135 to 147 Months	0.0008	0.0000	0.2272	0.0006	26,900,000
147 to 159 Months	0.0014	0.0000	0.1758	0.0011	35,600,000
159 to 171 Months	0.0014	0.0020	0.1340	0.0015	47,400,000
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>
	0.245	0.183	0.074	0.043	0.028	0.016	0.010
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.007	0.005	0.004	0.003	0.003	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	828,380	4,503,221	0.074	333,240	1,161,620
6/30/2017	563,715	9,781,398	0.183	1,789,994	2,353,709
6/30/2018	325,295	8,898,885	0.245	2,180,232	2,505,527

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	90,484	1,077,171	0.074	79,711	170,195
6/30/2017	6,900	730,934	0.183	133,762	140,662
6/30/2018	23,033	352,276	0.245	86,307	109,340

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

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

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

OREGON

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	1.102	1.005	0.7297	1.031	900,000
27 to 39 Months	1.038	1.097	0.7218	1.081	1,100,000
39 to 51 Months	1.027	0.983	0.7197	0.995	1,200,000
51 to 63 Months	1.010	0.995	0.6649	1.000	1,400,000
63 to 75 Months	1.007	1.005	0.6211	1.006	1,500,000
75 to 87 Months	1.008	1.000	0.5910	1.003	1,800,000
87 to 99 Months	1.005	1.000	0.4546	1.003	2,000,000
99 to 111 Months	1.005	1.016	0.4009	1.009	2,200,000
111 to 123 Months	1.002	0.992	0.3476	0.999	2,600,000
123 to 135 Months	1.002	1.000	0.3341	1.001	2,900,000
135 to 147 Months	1.000	1.000	0.2753	1.000	3,400,000
147 to 159 Months	0.999	1.000	0.2203	0.999	3,800,000
159 to 171 Months	1.000	1.000	0.1935	1.000	4,400,000
171 to 183 Months	1.002	1.000	0.1654	1.002	5,000,000
183 to 195 Months	1.001	0.998	0.1760	1.000	5,700,000
195 to 207 Months	1.002	1.000	0.2133	1.002	6,500,000
207 to 219 Months	1.002	1.000	0.2245	1.002	7,500,000
219 to 231 Months	1.002	1.000	0.1559	1.002	8,600,000
231 to 243 Months	1.002	1.000	0.0619	1.002	9,900,000
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
6/30/2016			0.995	1.000	1.006	1.003	1.003	1.009	0.999	1.001	1.000
6/30/2017		1.081	0.995	1.000	1.006	1.003	1.003	1.009	0.999	1.001	1.000
6/30/2018	1.031	1.081	0.995	1.000	1.006	1.003	1.003	1.009	0.999	1.001	1.000
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>ULT:243</u>		<u>Factor</u>
6/30/2016	0.999	1.000	1.002	1.000	1.002	1.002	1.002	1.002	1.008		1.033
6/30/2017	0.999	1.000	1.002	1.000	1.002	1.002	1.002	1.002	1.008		1.117
6/30/2018	0.999	1.000	1.002	1.000	1.002	1.002	1.002	1.002	1.008		1.152

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

OREGON

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 <sub>i</sub> )
15 to 27 Months	0.0760	0.0315	0.7297	0.0435	900,000
27 to 39 Months	0.0962	0.0299	0.7218	0.0484	1,100,000
39 to 51 Months	0.0664	0.0159	0.7197	0.0301	1,200,000
51 to 63 Months	0.0489	0.0004	0.6649	0.0167	1,400,000
63 to 75 Months	0.0327	0.0123	0.6211	0.0200	1,500,000
75 to 87 Months	0.0218	-0.0048	0.5910	0.0061	1,800,000
87 to 99 Months	0.0166	-0.0018	0.4546	0.0083	2,000,000
99 to 111 Months	0.0148	-0.0025	0.4009	0.0079	2,200,000
111 to 123 Months	0.0182	0.0003	0.3476	0.0120	2,600,000
123 to 135 Months	0.0091	0.0000	0.3341	0.0060	2,900,000
135 to 147 Months	0.0038	0.0000	0.2753	0.0028	3,400,000
147 to 159 Months	0.0012	0.0000	0.2203	0.0010	3,800,000
159 to 171 Months	0.0002	0.0000	0.1935	0.0002	4,400,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.203	0.159	0.111	0.081	0.064	0.044	0.038
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.030	0.022	0.010	0.004	0.001	0.000	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	166,166	921,021	0.111	102,234	268,400
6/30/2017	61,860	1,222,183	0.159	194,327	256,187
6/30/2018	52,691	1,340,511	0.203	272,122	324,813

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	47,993	134,201	0.111	14,896	62,889
6/30/2017	0	83,316	0.159	13,248	13,248
6/30/2018	299	48,491	0.203	9,843	10,142

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

OREGON

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	0.2007
27 to 39 Months	0.2033
39 to 51 Months	0.2443
51 to 63 Months	0.1621
63 to 75 Months	0.1048
75 to 87 Months	0.0564
87 to 99 Months	0.0329
99 to 111 Months	0.0069
111 to 123 Months	0.0186
123 to 135 Months	0.0064
135 to 147 Months	0.0024
147 to 159 Months	0.0168
159 to 171 Months	0.0008
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>
	1.056	0.856	0.652	0.408	0.246	0.141	0.085
<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>
	0.052	0.045	0.026	0.020	0.018	0.001	0.000

A.Y.E.	Reported ALAE as of 9/30/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2016	175,221	395,304	0.652	257,736	432,957
6/30/2017	41,781	1,328,856	0.856	1,137,501	1,179,282
6/30/2018	45,496	1,452,531	1.056	1,533,873	1,579,369

(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  
OREGON  
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
6/30/1999	1,613,935	2,062,495	2,579,930	2,651,573	2,732,334	2,827,321	2,707,321	2,707,321	2,707,321	2,707,321	2,707,321
6/30/2000	1,294,266	1,657,457	1,664,554	1,823,517	1,873,517	1,808,517	1,808,517	1,898,517	1,898,517	1,898,517	1,908,517
6/30/2001	619,029	788,225	911,621	1,073,406	981,406	881,406	791,507	795,406	791,406	791,406	791,406
6/30/2002	475,552	830,814	744,815	708,499	718,499	718,499	718,500	781,010	778,499	778,499	770,999
6/30/2003	389,645	466,964	709,633	806,284	806,606	804,096	799,096	799,096	799,096	799,096	799,096
6/30/2004	666,430	947,816	946,952	1,036,702	1,044,202	1,023,202	948,202	923,202	892,202	892,202	892,202
6/30/2005	952,553	1,054,008	1,143,108	1,254,029	1,309,355	1,275,139	1,310,695	1,310,694	1,319,593	1,319,593	1,319,593
6/30/2006	425,011	764,522	1,237,005	1,272,505	1,241,505	1,140,005	1,071,505	1,101,505	1,101,505	1,109,005	1,101,505
6/30/2007	464,825	938,292	988,763	1,276,462	1,366,613	1,377,613	1,419,660	1,403,410	1,400,964	1,400,960	1,400,960
6/30/2008	819,715	879,427	1,299,200	1,434,100	1,227,624	1,232,679	1,230,304	1,185,304	1,185,304	1,185,304	1,185,304
6/30/2009	756,515	935,756	1,520,875	1,517,272	1,466,867	1,366,867	1,366,867	1,366,867	1,366,867	1,366,867	
6/30/2010	472,266	849,578	1,172,031	1,171,521	1,025,991	1,020,993	993,781	993,781	993,781		
6/30/2011	641,120	1,110,576	1,278,787	1,425,581	1,465,581	1,443,956	1,443,956	1,443,956			
6/30/2012	502,810	721,231	1,111,817	1,115,167	1,211,067	1,243,567	1,237,734				
6/30/2013	1,256,042	1,928,157	1,957,085	2,014,902	1,977,319	1,978,669					
6/30/2014	695,219	844,789	1,246,591	1,419,768	1,395,253						
6/30/2015	891,541	931,368	1,735,231	1,669,550							
6/30/2016	581,861	728,887	1,151,815								
6/30/2017	554,863	908,321									
6/30/2018	700,225										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1999	2,707,321	2,707,321	2,707,321	2,707,321	2,707,321	2,707,321	2,707,321	2,707,321	2,707,321
6/30/2000	1,898,617	1,898,517	1,898,517	1,898,517	1,898,517	1,898,517	1,898,517	1,898,517	
6/30/2001	791,406	791,406	791,406	791,406	791,406	791,406	791,406		
6/30/2002	770,999	770,999	770,999	761,697	761,697	761,697			
6/30/2003	799,096	799,096	799,095	799,095	799,095				
6/30/2004	892,202	892,202	892,202	892,202					
6/30/2005	1,319,593	1,219,593	1,205,694						
6/30/2006	1,101,505	1,101,505							
6/30/2007	1,400,960								



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

OREGON  
BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/1999	1.278	1.251	1.028	1.030	1.035	0.958	1.000	1.000	1.000	1.000	1.000
6/30/2000	1.281	1.004	1.095	1.027	0.965	1.000	1.050	1.000	1.000	1.005	0.995
6/30/2001	1.273	1.157	1.177	0.914	0.898	0.898	1.005	0.995	1.000	1.000	1.000
6/30/2002	1.747	0.896	0.951	1.014	1.000	1.000	1.087	0.997	1.000	0.990	1.000
6/30/2003	1.198	1.520	1.136	1.000	0.997	0.994	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.422	0.999	1.095	1.007	0.980	0.927	0.974	0.966	1.000	1.000	1.000
6/30/2005	1.107	1.085	1.097	1.044	0.974	1.028	1.000	1.007	1.000	1.000	1.000
6/30/2006	1.799	1.618	1.029	0.976	0.918	0.940	1.028	1.000	1.007	0.993	1.000
6/30/2007	2.019	1.054	1.291	1.071	1.008	1.031	0.989	0.998	1.000	1.000	1.000
6/30/2008	1.073	1.477	1.104	0.856	1.004	0.998	0.963	1.000	1.000	1.000	
6/30/2009	1.237	1.625	0.998	0.967	0.932	1.000	1.000	1.000	1.000		
6/30/2010	1.799	1.380	1.000	0.876	0.995	0.973	1.000	1.000			
6/30/2011	1.732	1.151	1.115	1.028	0.985	1.000	1.000				
6/30/2012	1.434	1.542	1.003	1.086	1.027	0.995					
6/30/2013	1.535	1.015	1.030	0.981	1.001						
6/30/2014	1.215	1.476	1.139	0.983							
6/30/2015	1.045	1.863	0.962								
6/30/2016	1.253	1.580									
6/30/2017	1.637										
3 Yr Mean	1.312	1.640	1.044	1.017	1.004	0.989	1.000	1.000	1.000	0.998	1.000
Best 3/5	1.334	1.533	1.049	0.997	0.994	0.998	0.996	1.000	1.000	1.000	1.000

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2002	1.000	1.000	0.988	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								
6/30/2005	0.924	0.989									
6/30/2006	1.000										
3 Yr Mean	0.975	0.996	0.996	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.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2014					0.994	0.998	0.996	1.000	1.000	1.000	1.000
6/30/2015				0.997	0.994	0.998	0.996	1.000	1.000	1.000	1.000
6/30/2016			1.049	0.997	0.994	0.998	0.996	1.000	1.000	1.000	1.000
6/30/2017		1.533	1.049	0.997	0.994	0.998	0.996	1.000	1.000	1.000	1.000
6/30/2018	1.334	1.533	1.049	0.997	0.994	0.998	0.996	1.000	1.000	1.000	1.000

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.988
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.985
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.033
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.584
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.113

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

PREMISES/OPERATIONS (Subline Code 334)  
MANUFACTURERS AND CONTRACTORS  
FULL COVERAGE  
OREGON  
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>
6/30/1999	92,141	197,427	706,726	843,120	940,862	958,150	958,907	956,490	956,490	956,086	956,490
6/30/2000	48,717	106,852	134,908	157,845	236,837	253,166	291,123	299,799	299,395	311,924	311,740
6/30/2001	17,804	82,286	285,341	380,677	376,820	377,019	397,017	392,078	392,482	392,078	392,078
6/30/2002	11,944	95,132	146,237	270,915	282,381	286,416	286,416	296,950	296,950	296,950	296,950
6/30/2003	27,786	105,940	400,168	616,896	645,800	650,116	658,995	630,963	631,334	631,379	631,379
6/30/2004	70,167	231,068	378,823	585,868	669,974	1,012,650	1,167,778	1,219,025	1,245,304	1,246,198	1,246,198
6/30/2005	102,122	230,764	531,689	734,837	843,938	888,226	1,125,146	1,147,267	1,143,845	1,143,845	1,143,845
6/30/2006	27,159	176,254	489,780	552,167	572,925	592,912	592,829	648,130	630,785	630,785	635,273
6/30/2007	34,859	344,200	286,392	446,293	571,155	533,995	560,270	558,705	555,665	555,665	555,665
6/30/2008	21,580	112,330	473,997	621,986	704,357	866,844	874,008	875,826	872,779	872,779	872,779
6/30/2009	74,642	182,224	838,388	807,188	1,148,548	1,227,216	1,242,919	1,257,919	1,257,920	1,332,923	
6/30/2010	49,675	121,865	376,434	566,510	564,054	545,518	541,087	541,086	541,086		
6/30/2011	32,536	266,572	448,198	717,148	889,363	858,135	858,234	857,948			
6/30/2012	174,161	426,835	683,949	788,051	838,060	841,910	820,119				
6/30/2013	27,259	358,279	607,304	1,074,144	1,150,374	1,178,459					
6/30/2014	92,399	239,158	495,335	956,843	1,309,238						
6/30/2015	72,781	115,107	437,577	765,660							
6/30/2016	43,284	157,140	459,983								
6/30/2017	10,784	47,885									
6/30/2018	25,492										

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>
6/30/1999	956,086	956,086	956,086	956,086	956,086	956,086	956,086	956,086	956,086
6/30/2000	311,740	311,915	311,915	311,915	311,915	311,915	311,915	311,915	
6/30/2001	392,078	392,144	392,144	392,144	392,144	392,144	392,144		
6/30/2002	296,950	296,989	296,989	296,989	296,989	296,989			
6/30/2003	631,379	631,379	631,379	631,379	631,379				
6/30/2004	1,246,527	1,247,890	1,247,959	1,247,959					
6/30/2005	1,143,846	1,120,599	1,120,599						
6/30/2006	635,273	635,273							
6/30/2007	555,665								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1999	105,286	509,299	136,394	97,742	17,288	757	-2,417	0	-404	404	-404	0	0
6/30/2000	58,135	28,056	22,937	78,992	16,329	37,957	8,676	-404	12,529	-184	0	175	0
6/30/2001	64,482	203,055	95,336	-3,857	199	19,998	-4,939	404	-404	0	0	66	0
6/30/2002	83,188	51,105	124,678	11,466	4,035	0	10,534	0	0	0	0	39	0
6/30/2003	78,154	294,228	216,728	28,904	4,316	8,879	-28,032	371	45	0	0	0	0
6/30/2004	160,901	147,755	207,045	84,106	342,676	155,128	51,247	26,279	894	0	329	1,363	69
6/30/2005	128,642	300,925	203,148	109,101	44,288	236,920	22,121	-3,422	0	0	1	-23,247	0
6/30/2006	149,095	313,526	62,387	20,758	19,987	-83	55,301	-17,345	0	4,488	0	0	0
6/30/2007	309,341	-57,808	159,901	124,862	-37,160	26,275	-1,565	-3,040	0	0	0	0	0
6/30/2008	90,750	361,667	147,989	82,371	162,487	7,164	1,818	-3,047	0	0	0	0	0
6/30/2009	107,582	656,164	-31,200	341,360	78,668	15,703	15,000	1	75,003	0	0	0	0
6/30/2010	72,190	254,569	190,076	-2,456	-18,536	-4,431	-1	0	0	0	0	0	0
6/30/2011	234,036	181,626	268,950	172,215	-31,228	99	-286	0	0	0	0	0	0
6/30/2012	252,674	257,114	104,102	50,009	3,850	-21,791	0	0	0	0	0	0	0
6/30/2013	331,020	249,025	466,840	76,230	28,085	0	0	0	0	0	0	0	0
6/30/2014	146,759	256,177	461,508	352,395	0	0	0	0	0	0	0	0	0
6/30/2015	42,326	322,470	328,083	0	0	0	0	0	0	0	0	0	0
6/30/2016	113,856	302,843	0	0	0	0	0	0	0	0	0	0	0
6/30/2017	37,101	0	0	0	0	0	0	0	0	0	0	0	0

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
6/30/1999	0.0202	0.0976	0.0261	0.0187	0.0033	0.0001	-0.0005	0.0000	-0.0001	0.0001	-0.0001	0.0000	0.0000
6/30/2000	0.0163	0.0079	0.0064	0.0221	0.0046	0.0106	0.0024	-0.0001	0.0035	-0.0001	0.0000	0.0000	0.0000
6/30/2001	0.0594	0.1872	0.0879	-0.0036	0.0002	0.0184	-0.0046	0.0004	-0.0004	0.0000	0.0000	0.0001	0.0000
6/30/2002	0.0856	0.0526	0.1283	0.0118	0.0042	0.0000	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0690	0.2599	0.1914	0.0255	0.0038	0.0078	-0.0248	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.1298	0.1192	0.1670	0.0678	0.2764	0.1251	0.0413	0.0212	0.0007	0.0000	0.0003	0.0011	0.0001
6/30/2005	0.0689	0.1611	0.1088	0.0584	0.0237	0.1269	0.0118	-0.0018	0.0000	0.0000	0.0000	-0.0124	0.0000
6/30/2006	0.0440	0.0924	0.0184	0.0061	0.0059	0.0000	0.0163	-0.0051	0.0000	0.0013	0.0000	0.0000	0.0000
6/30/2007	0.1256	-0.0235	0.0649	0.0507	-0.0151	0.0107	-0.0006	-0.0012	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.0615	0.2449	0.1002	0.0558	0.1100	0.0049	0.0012	-0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2009	0.0415	0.2528	-0.0120	0.1315	0.0303	0.0061	0.0058	0.0000	0.0289	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0447	0.1576	0.1177	-0.0015	-0.0115	-0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.0899	0.0698	0.1033	0.0662	-0.0120	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.1070	0.1088	0.0441	0.0212	0.0016	-0.0092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.1092	0.0821	0.1540	0.0251	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.0503	0.0879	0.1583	0.1209	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.0125	0.0950	0.0967	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	0.0464	0.1234	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.0133	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	0.0367	0.0972	0.1180	0.0375	-0.0002	0.0007	0.0004	-0.0011	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
MANUFACTURERS AND CONTRACTORS  
FULL COVERAGE  
OREGON  
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
6/30/1999	1,835,695	2,272,343	2,681,595	2,405,567	2,644,652	2,758,710	2,770,584	2,723,722	2,724,492	2,749,483	2,756,819
6/30/2000	1,831,803	2,101,031	2,194,231	2,717,902	2,744,686	2,651,088	2,579,400	2,912,199	2,796,889	2,732,769	2,714,768
6/30/2001	1,106,762	1,230,453	1,201,451	1,317,501	1,152,309	1,241,650	1,328,351	1,201,529	1,171,529	1,161,530	1,161,328
6/30/2002	610,047	809,728	1,101,120	1,021,111	991,612	1,055,935	1,113,496	1,077,392	1,077,393	1,078,891	1,122,392
6/30/2003	651,128	734,226	832,442	813,531	826,657	806,378	799,431	799,430	838,927	819,168	798,426
6/30/2004	751,198	962,293	792,537	791,020	855,720	930,720	930,723	937,221	941,692	941,693	941,692
6/30/2005	962,027	986,265	1,026,601	1,008,342	1,003,342	1,004,562	1,069,562	1,034,562	1,016,062	1,016,162	1,016,062
6/30/2006	1,144,559	1,244,168	1,408,720	1,424,081	1,406,491	1,399,950	1,399,947	1,448,697	1,706,625	1,648,529	1,700,944
6/30/2007	1,154,229	1,425,733	1,407,310	1,473,630	1,518,730	1,581,028	1,724,980	1,755,103	1,797,000	1,797,000	1,797,000
6/30/2008	1,682,221	2,088,346	2,021,925	2,099,083	2,020,580	1,998,482	1,997,880	2,005,382	2,005,130	2,005,130	2,005,130
6/30/2009	1,751,572	1,876,975	1,816,727	1,774,097	1,765,796	1,889,796	1,986,297	1,988,446	1,987,448	1,977,448	
6/30/2010	1,354,546	1,652,197	1,641,973	1,703,822	1,677,357	1,682,358	1,702,741	1,718,491	1,732,491		
6/30/2011	1,816,428	1,925,333	1,855,242	1,726,599	1,840,234	1,835,381	1,839,400	1,889,150			
6/30/2012	1,500,630	1,764,427	1,890,073	1,899,462	1,946,825	1,927,710	1,923,270				
6/30/2013	1,678,710	1,467,172	1,656,965	1,595,366	1,611,862	1,726,373					
6/30/2014	1,932,058	2,044,307	2,033,808	2,036,711	2,127,428						
6/30/2015	1,453,883	1,292,150	1,725,841	2,062,561							
6/30/2016	2,478,569	2,778,464	2,585,137								
6/30/2017	1,798,758	1,676,853									
6/30/2018	2,276,409										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1999	2,784,319	2,753,819	2,753,819	2,746,458	2,746,458	2,746,458	2,746,456	2,746,456	2,746,456
6/30/2000	2,709,926	2,704,727	2,709,926	2,704,926	2,704,926	2,697,027	2,697,027	2,697,027	
6/30/2001	1,162,335	1,155,028	1,155,328	1,155,028	1,155,027	1,155,029	1,155,027		
6/30/2002	1,112,394	1,112,392	1,112,392	1,112,392	1,112,392	1,112,392			
6/30/2003	798,120	798,120	798,120	798,120	798,120				
6/30/2004	941,692	941,793	961,699	941,692					
6/30/2005	1,016,062	1,011,062	1,011,062						
6/30/2006	1,700,444	1,700,444							
6/30/2007	1,797,000								

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

OREGON

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
6/30/1999	1.238	1.180	0.897	1.099	1.043	1.004	0.983	1.000	1.009	1.003	1.010
6/30/2000	1.147	1.044	1.239	1.010	0.966	0.973	1.129	0.960	0.977	0.993	0.998
6/30/2001	1.112	0.976	1.097	0.875	1.078	1.070	0.905	0.975	0.991	1.000	1.001
6/30/2002	1.327	1.360	0.927	0.971	1.065	1.055	0.968	1.000	1.001	1.040	0.991
6/30/2003	1.128	1.134	0.977	1.016	0.975	0.991	1.000	1.049	0.976	0.975	1.000
6/30/2004	1.281	0.824	0.998	1.082	1.088	1.000	1.007	1.005	1.000	1.000	1.000
6/30/2005	1.025	1.041	0.982	0.995	1.001	1.065	0.967	0.982	1.000	1.000	1.000
6/30/2006	1.087	1.132	1.011	0.988	0.995	1.000	1.035	1.178	0.966	1.032	1.000
6/30/2007	1.235	0.987	1.047	1.031	1.041	1.091	1.017	1.024	1.000	1.000	1.000
6/30/2008	1.241	0.968	1.038	0.963	0.989	1.000	1.004	1.000	1.000	1.000	
6/30/2009	1.072	0.968	0.977	0.995	1.070	1.051	1.001	0.999	0.995		
6/30/2010	1.220	0.994	1.038	0.984	1.003	1.012	1.009	1.008			
6/30/2011	1.060	0.964	0.931	1.066	0.997	1.002	1.027				
6/30/2012	1.176	1.071	1.005	1.025	0.990	0.998					
6/30/2013	0.874	1.129	0.963	1.010	1.071						
6/30/2014	1.058	0.995	1.001	1.045							
6/30/2015	0.889	1.336	1.195								
6/30/2016	1.121	0.930									
6/30/2017	0.932										

3 Yr Mean 0.981 1.087 1.053 1.027 1.019 1.004 1.012 1.002 0.998 1.011 1.000

Best 3/5 0.960 1.065 0.990 1.027 1.023 1.005 1.010 1.011 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
6/30/1999	0.989	1.000	0.997	1.000	1.000	1.000	1.000	1.000
6/30/2000	0.998	1.002	0.998	1.000	0.997	1.000	1.000	1.000 *
6/30/2001	0.994	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	1.021	0.979					
6/30/2005	0.995	1.000						
6/30/2006	1.000							

3 Yr Mean 0.998 1.007 0.993 1.000 0.999 @ 1.000 @ 1.000 @ 1.000 @

Best 3/5 1.000 1.000 0.999 1.000 1.000 \* 1.000 \* 1.000 \* 1.000 \*

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2014					1.023	1.005	1.010	1.011	0.998	1.000	1.000
6/30/2015				1.027	1.023	1.005	1.010	1.011	0.998	1.000	1.000
6/30/2016			0.990	1.027	1.023	1.005	1.010	1.011	0.998	1.000	1.000
6/30/2017		1.065	0.990	1.027	1.023	1.005	1.010	1.011	0.998	1.000	1.000
6/30/2018	0.960	1.065	0.990	1.027	1.023	1.005	1.010	1.011	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/U1t	FACTORS
6/30/2014	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.047
6/30/2015	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.075
6/30/2016	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.064
6/30/2017	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.133
6/30/2018	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.088

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 OREGON  
 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>
6/30/1999	310,735	333,480	489,626	513,969	600,104	596,538	667,588	816,220	764,921	829,499	810,203
6/30/2000	162,188	217,504	501,374	559,276	658,598	702,044	718,483	895,927	931,771	923,166	893,832
6/30/2001	105,720	105,526	138,739	303,018	392,777	547,234	646,790	692,870	693,898	683,400	683,400
6/30/2002	119,899	192,509	269,313	348,742	388,707	564,796	659,441	676,377	677,922	559,496	575,619
6/30/2003	13,738	55,760	68,993	71,286	98,441	105,702	105,302	105,302	125,302	112,441	112,434
6/30/2004	81,395	309,364	386,300	283,856	319,270	324,931	324,931	324,931	338,046	338,046	338,156
6/30/2005	47,951	51,347	131,691	168,624	172,346	172,346	173,162	173,162	173,162	173,262	173,162
6/30/2006	22,887	70,370	92,199	194,483	210,871	204,075	204,075	207,011	361,315	384,728	398,838
6/30/2007	62,953	275,933	281,897	251,060	337,357	350,225	425,535	473,534	474,656	474,656	474,656
6/30/2008	103,281	184,861	241,488	320,645	327,672	312,951	315,779	327,518	320,362	320,362	320,362
6/30/2009	26,694	191,148	238,341	287,162	275,328	347,925	447,574	426,473	428,187	432,123	
6/30/2010	47,227	115,229	170,715	267,776	300,615	303,570	310,647	321,160	319,505		
6/30/2011	143,493	321,203	386,362	353,610	377,768	383,901	386,668	386,668			
6/30/2012	123,158	226,127	460,901	482,124	604,198	610,266	592,997				
6/30/2013	112,667	264,152	508,491	575,338	598,370	615,092					
6/30/2014	96,480	319,699	395,417	514,550	563,133						
6/30/2015	90,408	233,156	461,392	834,060							
6/30/2016	236,914	438,870	506,936								
6/30/2017	184,968	155,655									
6/30/2018	72,400										

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>
6/30/1999	819,157	821,367	808,378	808,378	808,378	808,378	808,378	808,378	808,378
6/30/2000	893,831	883,106	883,106	883,106	883,106	883,106	883,106	883,106	
6/30/2001	683,400	683,400	683,400	683,400	683,400	683,400	683,400		
6/30/2002	589,957	589,957	589,957	589,957	589,957	589,957			
6/30/2003	112,434	112,434	112,434	112,434	112,434				
6/30/2004	338,156	338,156	348,156	356,264					
6/30/2005	173,162	173,162	173,162						
6/30/2006	398,838	398,949							
6/30/2007	474,656								

PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 OREGON  
 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>
6/30/1999	22,745	156,146	24,343	86,135	-3,566	71,050	148,632	-51,299	64,578	-19,296	8,954	2,210	-12,989
6/30/2000	55,316	283,870	57,902	99,322	43,446	16,439	177,444	35,844	-8,605	-29,334	-1	-10,725	0
6/30/2001	-194	33,213	164,279	89,759	154,457	99,556	46,080	1,028	-10,498	0	0	0	0
6/30/2002	72,610	76,804	79,429	39,965	176,089	94,645	16,936	1,545	-118,426	16,123	14,338	0	0
6/30/2003	42,022	13,233	2,293	27,155	7,261	-400	0	20,000	-12,861	-7	0	0	0
6/30/2004	227,969	76,936	-102,444	35,414	5,661	0	0	13,115	0	110	0	0	10,000
6/30/2005	3,396	80,344	36,933	3,722	0	816	0	0	100	-100	0	0	0
6/30/2006	47,483	21,829	102,284	16,388	-6,796	0	2,936	154,304	23,413	14,110	0	111	
6/30/2007	212,980	5,964	-30,837	86,297	12,868	75,310	47,999	1,122	0	0	0		
6/30/2008	81,580	56,627	79,157	7,027	-14,721	2,828	11,739	-7,156	0	0			
6/30/2009	164,454	47,193	48,821	-11,834	72,597	99,649	-21,101	1,714	3,936				
6/30/2010	68,002	55,486	97,061	32,839	2,955	7,077	10,513	-1,655					
6/30/2011	177,710	65,159	-32,752	24,158	6,133	2,767	0						
6/30/2012	102,969	234,774	21,223	122,074	6,068	-17,269							
6/30/2013	151,485	244,339	66,847	23,032	16,722								
6/30/2014	223,219	75,718	119,133	48,583									
6/30/2015	142,748	228,236	372,668										
6/30/2016	201,956	68,066											
6/30/2017	-29,313												

	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
6/30/1999	0.0079	0.0544	0.0085	0.0300	-0.0012	0.0247	0.0517	-0.0179	0.0225	-0.0067	0.0031	0.0008	-0.0045
6/30/2000	0.0192	0.0987	0.0201	0.0345	0.0151	0.0057	0.0617	0.0125	-0.0030	-0.0102	0.0000	-0.0037	0.0000
6/30/2001	-0.0001	0.0184	0.0909	0.0497	0.0855	0.0551	0.0255	0.0006	-0.0058	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0446	0.0472	0.0488	0.0245	0.1081	0.0581	0.0104	0.0009	-0.0727	0.0099	0.0088	0.0000	0.0000
6/30/2003	0.0511	0.0161	0.0028	0.0330	0.0088	-0.0005	0.0000	0.0243	-0.0156	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.1240	0.0418	-0.0557	0.0193	0.0031	0.0000	0.0000	0.0071	0.0000	0.0001	0.0000	0.0000	0.0054
6/30/2005	0.0028	0.0672	0.0309	0.0031	0.0000	0.0007	0.0000	0.0000	0.0001	-0.0001	0.0000	0.0000	0.0000
6/30/2006	0.0236	0.0108	0.0507	0.0081	-0.0034	0.0000	0.0015	0.0765	0.0116	0.0070	0.0000	0.0001	
6/30/2007	0.0927	0.0026	-0.0134	0.0375	0.0056	0.0328	0.0209	0.0005	0.0000	0.0000	0.0000		
6/30/2008	0.0341	0.0237	0.0331	0.0029	-0.0062	0.0012	0.0049	-0.0030	0.0000	0.0000			
6/30/2009	0.0725	0.0208	0.0215	-0.0052	0.0320	0.0439	-0.0093	0.0008	0.0017				
6/30/2010	0.0318	0.0259	0.0454	0.0154	0.0014	0.0033	0.0049	-0.0008					
6/30/2011	0.0683	0.0250	-0.0126	0.0093	0.0024	0.0011	0.0000						
6/30/2012	0.0470	0.1071	0.0097	0.0557	0.0028	-0.0079							
6/30/2013	0.0755	0.1218	0.0333	0.0115	0.0083								
6/30/2014	0.0958	0.0325	0.0511	0.0209									
6/30/2015	0.0567	0.0906	0.1479										
6/30/2016	0.0541	0.0182											
6/30/2017	-0.0150												

Best 3/5	0.0621	0.0767	0.0314	0.0159	0.0045	0.0019	0.0033	0.0002	0.0006	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
OREGON  
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
6/30/1999	2,608,252	3,267,075	3,674,836	3,605,536	3,792,152	3,796,152	3,796,152	3,738,775	3,839,775	3,838,775	3,842,775
6/30/2000	2,944,511	3,491,002	3,795,897	3,696,552	3,819,535	3,734,369	3,734,842	3,839,835	3,839,835	3,739,835	3,739,835
6/30/2001	2,309,213	2,566,953	2,848,763	2,633,203	2,573,950	2,519,530	2,619,530	2,619,564	2,619,539	2,619,529	2,619,529
6/30/2002	1,919,330	2,251,548	2,330,108	2,481,315	2,422,717	2,487,877	2,441,707	2,441,707	2,441,707	2,441,707	2,441,707
6/30/2003	1,787,354	1,947,262	2,977,579	2,949,176	2,894,676	2,854,675	2,802,375	2,793,575	2,793,575	2,793,575	2,793,575
6/30/2004	2,054,367	2,064,055	2,067,456	1,937,668	1,947,667	1,855,667	1,830,667	1,820,315	1,825,315	1,825,315	1,825,315
6/30/2005	2,472,371	2,690,781	3,016,938	2,680,795	2,741,380	2,685,826	2,685,826	2,685,826	2,725,825	2,716,380	2,716,380
6/30/2006	2,499,004	3,026,129	3,290,610	2,928,488	3,033,253	3,028,253	3,052,003	3,052,003	3,052,003	3,057,003	3,052,003
6/30/2007	2,284,963	2,271,480	2,446,239	2,378,316	2,138,718	2,138,296	2,138,296	2,138,296	2,138,296	2,138,296	2,138,296
6/30/2008	2,354,812	2,551,503	2,445,855	2,467,473	2,660,276	2,760,439	2,745,439	2,755,439	2,832,939	2,832,939	2,832,939
6/30/2009	1,984,188	1,917,827	1,936,570	1,972,731	1,877,731	1,952,112	1,852,111	1,852,111	1,852,111	1,852,111	
6/30/2010	1,978,654	2,437,875	2,965,252	3,027,467	3,127,467	3,127,467	3,127,467	3,127,467	3,127,467	3,127,467	
6/30/2011	2,287,446	2,464,508	2,981,102	2,624,677	2,591,382	2,573,882	2,573,882	2,573,882			
6/30/2012	1,706,827	2,307,851	3,076,056	2,933,026	2,898,026	2,898,026	2,900,526				
6/30/2013	2,474,405	2,467,330	2,160,812	2,156,813	2,218,116	2,168,116					
6/30/2014	2,346,174	2,704,594	2,900,475	3,044,513	3,001,513						
6/30/2015	2,663,170	2,860,136	3,531,312	3,447,554							
6/30/2016	1,537,667	2,490,664	2,992,264								
6/30/2017	2,837,110	3,936,156									
6/30/2018	3,118,532										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1999	3,842,775	3,842,775	3,842,775	3,842,775	3,842,775	3,839,325	3,839,325	3,839,325	3,839,325
6/30/2000	3,739,835	3,739,835	3,739,835	3,739,835	3,736,385	3,736,384	3,736,384	3,736,384	
6/30/2001	2,619,529	2,619,529	2,619,529	2,619,529	2,619,529	2,619,529	2,619,529		
6/30/2002	2,441,707	2,441,707	2,471,707	2,461,446	2,461,446	2,461,446			
6/30/2003	2,793,575	2,793,575	2,796,566	2,796,566	2,796,566				
6/30/2004	1,825,315	1,825,315	1,825,315	1,825,315					
6/30/2005	2,716,380	2,716,380	2,716,380						
6/30/2006	3,052,103	3,052,003							
6/30/2007	2,138,296								



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

OREGON  
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
6/30/1999	1.253	1.125	0.981	1.052	1.001	1.000	0.985	1.027	1.000	1.001	1.000
6/30/2000	1.186	1.087	0.974	1.033	0.978	1.000	1.028	1.000	0.974	1.000	1.000
6/30/2001	1.112	1.110	0.924	0.977	0.979	1.040	1.000	1.000	1.000	1.000	1.000
6/30/2002	1.173	1.035	1.065	0.976	1.027	0.981	1.000	1.000	1.000	1.000	1.000
6/30/2003	1.089	1.529	0.990	0.982	0.986	0.982	0.997	1.000	1.000	1.000	1.000
6/30/2004	1.005	1.002	0.937	1.005	0.953	0.987	0.994	1.003	1.000	1.000	1.000
6/30/2005	1.088	1.121	0.889	1.023	0.980	1.000	1.000	1.015	0.997	1.000	1.000
6/30/2006	1.211	1.087	0.890	1.036	0.998	1.008	1.000	1.000	1.002	0.998	1.000
6/30/2007	0.994	1.077	0.972	0.899	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2008	1.084	0.959	1.009	1.078	1.038	0.995	1.004	1.028	1.000	1.000	
6/30/2009	0.967	1.010	1.019	0.952	1.040	0.949	1.000	1.000	1.000		
6/30/2010	1.232	1.216	1.021	1.033	1.000	1.000	1.000	1.000			
6/30/2011	1.077	1.210	0.880	0.987	0.993	1.000	1.000				
6/30/2012	1.352	1.333	0.954	0.988	1.000	1.001					
6/30/2013	0.997	0.876	0.998	1.028	0.977						
6/30/2014	1.153	1.072	1.050	0.986							
6/30/2015	1.074	1.235	0.976								
6/30/2016	1.620	1.201									
6/30/2017	1.387										

3 Yr Mean 1.360 1.169 1.008 1.001 0.990 1.000 1.000 1.009 1.000 0.999 1.000

Best 3/5 1.205 1.169 0.976 1.001 0.998 0.998 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
6/30/1999	1.000	1.000	1.000	1.000	0.999	1.000	1.000	1.000
6/30/2000	1.000	1.000	1.000	0.999	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	1.012	0.996	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2003	1.000	1.001	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000					
6/30/2005	1.000	1.000						
6/30/2006	1.000							

3 Yr Mean 1.000 1.000 0.999 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
6/30/2014					0.998	0.998	1.000	1.000	1.000	1.000	1.000
6/30/2015				1.001	0.998	0.998	1.000	1.000	1.000	1.000	1.000
6/30/2016			0.976	1.001	0.998	0.998	1.000	1.000	1.000	1.000	1.000
6/30/2017		1.169	0.976	1.001	0.998	0.998	1.000	1.000	1.000	1.000	1.000
6/30/2018	1.205	1.169	0.976	1.001	0.998	0.998	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
6/30/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.996
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.997
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.973
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.138
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.371

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
OREGON  
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>
6/30/1999	463,300	547,942	761,644	968,888	1,101,048	1,150,954	1,191,905	1,126,145	1,357,751	1,347,434	1,423,658
6/30/2000	432,901	459,113	708,370	834,782	945,281	1,034,341	1,050,203	1,073,435	1,085,677	1,001,908	998,715
6/30/2001	240,121	470,437	654,931	904,758	927,437	954,440	954,440	950,927	962,169	955,755	955,755
6/30/2002	283,786	326,060	365,959	483,329	483,302	531,753	542,219	589,536	595,270	580,741	564,615
6/30/2003	347,614	379,255	635,398	893,972	916,930	951,920	908,245	900,955	900,715	900,595	900,535
6/30/2004	170,261	382,422	425,752	516,745	544,244	533,972	519,958	517,582	516,394	515,800	515,800
6/30/2005	416,021	446,043	709,936	828,816	999,261	960,158	985,218	991,573	967,847	967,847	967,782
6/30/2006	170,422	294,577	668,830	728,882	739,975	734,071	737,743	752,161	752,161	754,334	765,720
6/30/2007	428,424	495,999	765,699	998,665	1,216,470	1,236,684	1,236,684	1,236,684	1,236,684	1,237,563	1,237,563
6/30/2008	310,607	929,897	1,191,575	1,077,872	1,050,479	1,296,924	1,322,614	1,359,185	1,383,110	1,382,437	1,382,437
6/30/2009	231,262	236,536	490,833	482,713	624,316	818,741	835,879	862,666	862,666	862,666	
6/30/2010	225,897	381,819	727,356	786,874	969,689	1,065,311	1,078,760	1,079,011	1,079,011		
6/30/2011	263,860	757,688	1,642,428	1,456,835	1,483,965	1,434,805	1,494,757	1,490,543			
6/30/2012	437,737	428,721	1,000,950	944,892	946,122	968,819	968,856				
6/30/2013	255,788	421,573	495,250	674,229	724,795	754,122					
6/30/2014	439,819	672,574	1,126,927	1,544,999	1,520,176						
6/30/2015	366,546	590,247	1,161,978	1,216,732							
6/30/2016	204,994	490,768	863,771								
6/30/2017	550,868	544,029									
6/30/2018	326,424										

<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>
6/30/1999	1,410,769	1,410,964	1,410,292	1,410,398	1,410,314	1,407,932	1,407,932	1,407,932	1,407,932
6/30/2000	998,910	998,992	999,098	999,014	996,632	996,632	996,632	996,632	
6/30/2001	955,755	955,755	955,755	955,755	955,755	955,755	955,755		
6/30/2002	564,615	564,615	640,798	640,798	640,798	640,798			
6/30/2003	900,535	900,535	920,971	920,971	920,971				
6/30/2004	515,800	515,800	515,800	515,800					
6/30/2005	967,782	967,782	967,782						
6/30/2006	765,720	765,720							
6/30/2007	1,237,563								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1999	84,642	213,702	207,244	132,160	49,906	40,951	-65,760	231,606	-10,317	76,224	-12,889	195	-672
6/30/2000	26,212	249,257	126,412	110,499	89,060	15,862	23,232	12,242	-83,769	-3,193	195	82	106
6/30/2001	230,316	184,494	249,827	22,679	27,003	0	-3,513	11,242	-6,414	0	0	0	0
6/30/2002	42,274	39,899	117,370	-27	48,451	10,466	47,317	5,734	-14,529	-16,126	0	0	76,183
6/30/2003	31,641	256,143	258,574	22,958	34,990	-43,675	-7,290	-240	-120	-60	0	0	20,436
6/30/2004	212,161	43,330	90,993	27,499	-10,272	-14,014	-2,376	-1,188	-594	0	0	0	0
6/30/2005	30,022	263,893	118,880	170,445	-39,103	25,060	6,355	-23,726	0	-65	0	0	0
6/30/2006	124,155	374,253	60,052	11,093	-5,904	3,672	14,418	0	2,173	11,386	0	0	
6/30/2007	67,575	269,700	232,966	217,805	20,214	0	0	0	879	0	0		
6/30/2008	619,290	261,678	-113,703	-27,393	246,445	25,690	36,571	23,925	-673	0			
6/30/2009	5,274	254,297	-8,120	141,603	194,425	17,138	26,787	0	0				
6/30/2010	155,922	345,537	59,518	182,815	95,622	13,449	251	0					
6/30/2011	493,828	884,740	-185,593	27,130	-49,160	59,952	-4,214						
6/30/2012	-9,016	572,229	-56,058	1,230	22,697	37							
6/30/2013	165,785	73,677	178,979	50,566	29,327								
6/30/2014	232,755	454,353	418,072	-24,823									
6/30/2015	223,701	571,731	54,754										
6/30/2016	285,774	373,003											
6/30/2017	-6,839												

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
6/30/1999	0.0146	0.0369	0.0357	0.0228	0.0086	0.0071	-0.0113	0.0399	-0.0018	0.0131	-0.0022	0.0000	-0.0001
6/30/2000	0.0055	0.0524	0.0266	0.0232	0.0187	0.0033	0.0049	0.0026	-0.0176	-0.0007	0.0000	0.0000	0.0000
6/30/2001	0.0636	0.0509	0.0690	0.0063	0.0075	0.0000	-0.0010	0.0031	-0.0018	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0135	0.0127	0.0375	0.0000	0.0155	0.0033	0.0151	0.0018	-0.0046	-0.0052	0.0000	0.0000	0.0243
6/30/2003	0.0092	0.0743	0.0750	0.0067	0.0101	-0.0127	-0.0021	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0059
6/30/2004	0.1131	0.0231	0.0485	0.0147	-0.0055	-0.0075	-0.0013	-0.0006	-0.0003	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0079	0.0694	0.0312	0.0448	-0.0103	0.0066	0.0017	-0.0062	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.0313	0.0944	0.0151	0.0028	-0.0015	0.0009	0.0036	0.0000	0.0005	0.0029	0.0000	0.0000	
6/30/2007	0.0187	0.0746	0.0644	0.0602	0.0056	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000		
6/30/2008	0.1300	0.0549	-0.0239	-0.0058	0.0517	0.0054	0.0077	0.0050	-0.0001	0.0000			
6/30/2009	0.0023	0.1092	-0.0035	0.0608	0.0835	0.0074	0.0115	0.0000	0.0000				
6/30/2010	0.0293	0.0649	0.0112	0.0343	0.0180	0.0025	0.0000	0.0000					
6/30/2011	0.1637	0.2932	-0.0615	0.0090	-0.0163	0.0199	-0.0014						
6/30/2012	-0.0023	0.1443	-0.0141	0.0003	0.0057	0.0000							
6/30/2013	0.0609	0.0271	0.0658	0.0186	0.0108								
6/30/2014	0.0689	0.1344	0.1237	-0.0073									
6/30/2015	0.0465	0.1188	0.0114										
6/30/2016	0.0718	0.0937											
6/30/2017	-0.0009												

Best 3/5	0.0588	0.1156	0.0210	0.0093	0.0115	0.0051	0.0026	0.0000	0.0001	0.0000	0.0000	0.0000	0.0020
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
OREGON  
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
6/30/1999	529,976	667,403	585,113	615,112	724,612	646,023	717,633	703,309	653,309	653,308	653,308
6/30/2000	531,275	604,219	701,538	734,038	823,038	933,149	935,569	935,069	945,069	935,069	935,069
6/30/2001	342,025	409,547	595,446	555,446	653,787	606,931	561,157	561,156	561,156	561,156	586,156
6/30/2002	218,043	172,229	145,583	325,944	330,606	250,106	255,105	250,106	250,106	252,106	250,106
6/30/2003	347,189	268,195	345,305	299,263	296,502	316,502	387,135	387,135	387,135	387,135	387,135
6/30/2004	240,048	245,497	347,712	347,712	348,612	353,385	353,385	353,385	353,385	353,385	353,385
6/30/2005	288,371	280,692	293,073	297,423	302,423	297,423	322,423	315,270	314,971	314,971	314,971
6/30/2006	278,825	194,380	311,665	324,221	324,271	484,266	524,266	493,717	415,064	405,064	405,064
6/30/2007	683,766	584,353	421,649	446,318	520,878	521,632	516,632	516,632	591,632	571,632	571,632
6/30/2008	267,474	328,288	389,848	429,596	437,426	478,427	478,427	478,427	478,427	478,427	508,427
6/30/2009	404,293	371,701	375,002	326,067	315,066	315,066	315,066	315,066	315,066	315,066	
6/30/2010	576,160	563,739	715,294	682,884	697,884	660,084	695,082	678,477	711,596		
6/30/2011	616,311	693,326	718,700	654,200	654,200	664,201	656,914	656,914			
6/30/2012	1,296,274	1,182,374	1,299,000	1,319,398	1,276,273	1,276,273	1,276,123				
6/30/2013	619,948	561,787	522,821	518,369	528,373	594,167					
6/30/2014	790,043	851,668	997,436	940,308	894,104						
6/30/2015	1,463,751	1,507,453	1,560,299	1,611,765							
6/30/2016	601,906	494,320	572,052								
6/30/2017	363,963	501,950									
6/30/2018	628,733										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1999	653,308	653,308	653,308	653,308	653,308	653,308	653,308	653,308	653,308
6/30/2000	935,069	935,069	935,070	960,069	935,069	935,069	935,069	935,069	
6/30/2001	586,156	586,156	586,156	586,156	583,356	583,356	583,356		
6/30/2002	250,106	250,106	250,106	243,985	243,985	243,985			
6/30/2003	387,135	387,135	387,385	387,385	387,385				
6/30/2004	353,385	353,385	353,385	353,385					
6/30/2005	314,971	314,971	314,971						
6/30/2006	405,064	405,064							
6/30/2007	571,632								

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

OREGON

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
6/30/1999	1.259	0.877	1.051	1.178	0.892	1.111	0.980	0.929	1.000	1.000	1.000
6/30/2000	1.137	1.161	1.046	1.121	1.134	1.003	0.999	1.011	0.989	1.000	1.000
6/30/2001	1.197	1.454	0.933	1.177	0.928	0.925	1.000	1.000	1.000	1.045	1.000
6/30/2002	0.790	0.845	2.239	1.014	0.757	1.020	0.980	1.000	1.008	0.992	1.000
6/30/2003	0.772	1.288	0.867	0.991	1.067	1.223	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.023	1.416	1.000	1.003	1.014	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2005	0.973	1.044	1.015	1.017	0.983	1.084	0.978	0.999	1.000	1.000	1.000
6/30/2006	0.697	1.603	1.040	1.000	1.493	1.083	0.942	0.841	0.976	1.000	1.000
6/30/2007	0.855	0.722	1.059	1.167	1.001	0.990	1.000	1.145	0.966	1.000	1.000
6/30/2008	1.227	1.188	1.102	1.018	1.094	1.000	1.000	1.000	1.000	1.063	1.000
6/30/2009	0.919	1.009	0.870	0.966	1.000	1.000	1.000	1.000	1.000		
6/30/2010	0.978	1.269	0.955	1.022	0.946	1.053	0.976	1.049			
6/30/2011	1.125	1.037	0.910	1.000	1.015	0.989	1.000				
6/30/2012	0.912	1.099	1.016	0.967	1.000	1.000					
6/30/2013	0.906	0.931	0.991	1.019	1.125						
6/30/2014	1.078	1.171	0.943	0.951							
6/30/2015	1.030	1.035	1.033								
6/30/2016	0.821	1.157									
6/30/2017	1.379										

3 Yr Mean 1.077 1.121 0.989 0.979 1.047 1.014 0.992 1.016 0.989 1.021 1.000

Best 3/5 1.005 1.097 0.983 0.995 1.005 1.000 1.000 1.016 0.992 1.000 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2000	1.000	1.000	1.027	0.974	1.000	1.000	1.000	1.000 *
6/30/2001	1.000	1.000	1.000	0.995	1.000	1.000	1.000 *	1.000 *
6/30/2002	1.000	1.000	0.976	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2003	1.000	1.001	1.000	1.000	0.998 *	1.000 *	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000					
6/30/2005	1.000	1.000						
6/30/2006	1.000							

3 Yr Mean 1.000 1.000 0.992 0.998 1.000 @ 1.000 @ 1.000 @ 1.000 @

Best 3/5 1.000 1.000 1.000 0.998 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
6/30/2014					1.005	1.000	1.000	1.016	0.992	1.000	1.000
6/30/2015				0.995	1.005	1.000	1.000	1.016	0.992	1.000	1.000
6/30/2016			0.983	0.995	1.005	1.000	1.000	1.016	0.992	1.000	1.000
6/30/2017		1.097	0.983	0.995	1.005	1.000	1.000	1.016	0.992	1.000	1.000
6/30/2018	1.005	1.097	0.983	0.995	1.005	1.000	1.000	1.016	0.992	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
6/30/2014	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	1.011
6/30/2015	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	1.006
6/30/2016	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	0.989
6/30/2017	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	1.085
6/30/2018	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	1.090

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
OREGON  
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>
6/30/1999	27,234	57,262	79,928	91,073	134,084	115,004	130,961	136,172	136,172	136,172	136,172
6/30/2000	26,175	64,823	89,080	396,926	481,363	507,653	507,760	508,192	508,192	508,192	508,192
6/30/2001	16,594	8,834	151,274	34,960	134,961	34,960	47,478	47,478	47,478	48,022	64,139
6/30/2002	3,086	5,170	5,170	53,113	85,735	79,537	80,429	81,091	81,635	81,635	81,635
6/30/2003	24,434	42,428	64,304	99,506	99,506	103,429	200,782	201,615	201,615	201,615	201,615
6/30/2004	25,258	17,922	234,264	232,620	286,563	298,963	298,963	298,963	298,963	298,963	298,963
6/30/2005	29,928	34,584	41,144	40,528	41,246	41,456	48,887	67,193	67,196	67,196	67,196
6/30/2006	18,986	39,776	392,352	451,310	459,835	780,090	1,613,302	1,686,411	496,412	486,412	486,412
6/30/2007	48,948	170,584	281,496	316,145	349,236	370,377	369,973	364,400	368,218	381,355	381,355
6/30/2008	14,511	42,838	80,442	120,069	217,847	222,512	213,265	213,265	211,917	212,497	213,500
6/30/2009	17,925	29,917	68,007	108,883	105,497	105,497	105,497	105,497	105,497	105,497	
6/30/2010	28,732	69,882	158,341	178,518	186,609	195,337	228,836	215,091	209,280		
6/30/2011	123,218	193,133	221,056	200,252	200,252	221,752	206,736	206,736			
6/30/2012	88,843	179,570	209,988	274,260	277,131	277,131	281,740				
6/30/2013	32,867	36,869	42,150	42,758	42,758	96,342					
6/30/2014	45,419	62,971	121,046	138,045	132,431						
6/30/2015	191,279	277,770	325,752	508,912							
6/30/2016	57,121	107,893	196,240								
6/30/2017	27,176	79,783									
6/30/2018	51,796										

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>
6/30/1999	136,172	136,172	136,172	136,172	136,172	136,172	136,172	136,172	136,172
6/30/2000	508,192	508,192	523,191	541,167	530,446	530,446	530,446	530,446	
6/30/2001	71,322	71,322	71,322	71,322	71,322	71,322	71,322		
6/30/2002	81,635	81,635	81,635	81,635	81,635	81,635			
6/30/2003	201,615	201,615	201,615	201,615	201,615				
6/30/2004	298,963	298,963	298,963	298,963					
6/30/2005	67,196	67,196	67,196						
6/30/2006	486,412	486,412							
6/30/2007	381,355								

PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
OREGON  
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
6/30/1999	30,028	22,666	11,145	43,011	-19,080	15,957	5,211	0	0	0	0	0	0
6/30/2000	38,648	24,257	307,846	84,437	26,290	107	432	0	0	0	0	0	14,999
6/30/2001	-7,760	142,440	-116,314	100,001	-100,001	12,518	0	0	544	16,117	7,183	0	0
6/30/2002	2,084	0	47,943	32,622	-6,198	892	662	544	0	0	0	0	0
6/30/2003	17,994	21,876	35,202	0	3,923	97,353	833	0	0	0	0	0	0
6/30/2004	-7,336	216,342	-1,644	53,943	12,400	0	0	0	0	0	0	0	0
6/30/2005	4,656	6,560	-616	718	210	7,431	18,306	3	0	0	0	0	0
6/30/2006	20,790	352,576	58,958	8,525	320,255	833,212	73,109	-1,189,999	-10,000	0	0	0	0
6/30/2007	121,636	110,912	34,649	33,091	21,141	-404	-5,573	3,818	13,137	0	0	0	0
6/30/2008	28,327	37,604	39,627	97,778	4,665	-9,247	0	-1,348	580	1,003	0	0	0
6/30/2009	11,992	38,090	40,876	-3,386	0	0	0	0	0	0	0	0	0
6/30/2010	41,150	88,459	20,177	8,091	8,728	33,499	-13,745	-5,811	0	0	0	0	0
6/30/2011	69,915	27,923	-20,804	0	21,500	-15,016	0	0	0	0	0	0	0
6/30/2012	90,727	30,418	64,272	2,871	0	4,609	0	0	0	0	0	0	0
6/30/2013	4,002	5,281	608	0	53,584	0	0	0	0	0	0	0	0
6/30/2014	17,552	58,075	16,999	-5,614	0	0	0	0	0	0	0	0	0
6/30/2015	86,491	47,982	183,160	0	0	0	0	0	0	0	0	0	0
6/30/2016	50,772	88,347	0	0	0	0	0	0	0	0	0	0	0
6/30/2017	52,607	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
6/30/1999	0.0280	0.0211	0.0104	0.0401	-0.0178	0.0149	0.0049	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2000	0.0230	0.0144	0.1833	0.0503	0.0157	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089
6/30/2001	-0.0055	0.1004	-0.0820	0.0705	-0.0705	0.0088	0.0000	0.0000	0.0004	0.0114	0.0051	0.0000	0.0000
6/30/2002	0.0083	0.0000	0.1910	0.1299	-0.0247	0.0036	0.0026	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0450	0.0547	0.0881	0.0000	0.0098	0.2435	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	-0.0156	0.4606	-0.0035	0.1148	0.0264	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0142	0.0200	-0.0019	0.0022	0.0006	0.0227	0.0559	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.0249	0.4215	0.0705	0.0102	0.3829	0.9961	0.0874	-1.4227	-0.0120	0.0000	0.0000	0.0000	
6/30/2007	0.1147	0.1046	0.0327	0.0312	0.0199	-0.0004	-0.0053	0.0036	0.0124	0.0000	0.0000		
6/30/2008	0.0503	0.0667	0.0703	0.1735	0.0083	-0.0164	0.0000	-0.0024	0.0010	0.0018			
6/30/2009	0.0368	0.1169	0.1255	-0.0104	0.0000	0.0000	0.0000	0.0000	0.0000				
6/30/2010	0.0361	0.0776	0.0177	0.0071	0.0077	0.0294	-0.0121	-0.0051					
6/30/2011	0.0949	0.0379	-0.0282	0.0000	0.0292	-0.0204	0.0000						
6/30/2012	0.0411	0.0138	0.0291	0.0013	0.0000	0.0021							
6/30/2013	0.0061	0.0081	0.0009	0.0000	0.0822								
6/30/2014	0.0183	0.0605	0.0177	-0.0058									
6/30/2015	0.0280	0.0155	0.0592										
6/30/2016	0.0483	0.0840											
6/30/2017	0.0911												

Best 3/5	0.0315	0.0299	0.0159	0.0004	0.0123	-0.0048	-0.0018	-0.0025	0.0003	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:

<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>
6/30/1999	79,427,846	115,084,887	137,547,396	156,057,319	162,588,261	164,663,980	165,523,856	163,890,900	163,906,127	163,628,524	163,505,161
6/30/2000	62,518,562	99,029,966	144,424,754	161,856,879	167,709,108	167,410,914	166,704,377	165,807,138	165,009,824	164,681,512	164,301,247
6/30/2001	58,280,456	123,827,571	167,679,975	184,473,565	189,782,826	184,855,216	181,958,212	180,892,445	180,301,554	180,370,551	179,874,921
6/30/2002	57,950,853	101,165,195	133,841,600	150,767,229	149,678,500	145,924,690	143,776,412	142,510,934	142,548,421	142,154,930	142,434,250
6/30/2003	61,364,119	99,368,462	135,413,468	147,618,862	145,346,562	142,172,371	141,107,798	140,051,571	139,348,089	139,294,748	138,960,758
6/30/2004	66,173,524	108,167,611	144,205,706	150,286,974	146,877,458	144,929,522	142,501,687	141,443,982	141,067,390	141,449,282	141,287,954
6/30/2005	63,699,404	102,596,617	132,323,540	140,826,962	138,230,425	134,672,870	133,066,533	132,618,920	132,221,363	132,445,567	132,491,967
6/30/2006	68,461,185	103,522,103	129,271,317	134,562,432	131,725,855	130,232,458	131,064,039	131,042,537	130,192,042	129,692,697	129,298,240
6/30/2007	67,855,835	102,347,925	129,483,304	135,103,346	133,959,998	133,520,472	132,461,199	132,392,936	132,278,505	131,999,153	132,158,971
6/30/2008	74,063,450	110,852,114	141,858,456	149,527,076	147,853,136	146,525,929	146,582,710	145,883,555	145,411,629	145,436,966	145,589,551
6/30/2009	72,454,231	113,830,620	138,981,811	149,604,908	148,111,668	146,914,409	146,349,649	145,422,956	144,865,501	144,608,396	
6/30/2010	79,416,095	112,072,803	142,281,379	148,420,164	148,746,653	146,685,528	146,017,082	146,374,712	146,613,749		
6/30/2011	78,989,581	121,351,911	150,463,655	162,948,766	160,909,896	158,152,552	157,898,066	157,456,840			
6/30/2012	71,779,633	105,840,505	132,920,673	139,980,206	139,353,136	138,820,267	139,411,445				
6/30/2013	66,404,433	105,523,078	127,744,221	134,113,329	136,226,117	135,981,619					
6/30/2014	80,201,940	120,717,715	157,379,412	170,411,407	167,336,258						
6/30/2015	68,742,774	107,289,386	143,959,371	152,076,065							
6/30/2016	59,860,808	99,140,755	130,724,316								
6/30/2017	68,932,341	103,342,449									
6/30/2018	68,410,900										
<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>		
6/30/1999	163,500,550	163,712,106	163,485,780	163,488,603	163,457,527	163,533,591	163,442,330	163,532,772	163,560,272		
6/30/2000	164,257,730	164,232,900	164,140,680	164,310,482	164,256,901	164,346,050	164,407,438	164,469,704			
6/30/2001	180,053,198	180,000,621	180,300,169	180,124,368	179,854,571	180,077,463	179,809,047				
6/30/2002	142,110,588	142,163,122	141,972,251	141,942,889	141,956,680	141,947,246					
6/30/2003	139,297,208	139,107,089	138,866,479	138,836,907	138,786,899						
6/30/2004	141,527,971	141,463,053	141,532,917								
6/30/2005	132,626,164	132,703,656	132,623,133								
6/30/2006	129,292,986	129,800,670									
6/30/2007	132,046,326										



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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1999	1.449	1.195	1.135	1.042	1.013	1.005	0.990	1.000	0.998	0.999	1.000
6/30/2000	1.584	1.458	1.121	1.036	0.998	0.996	0.995	0.995	0.998	0.998	1.000
6/30/2001	2.125	1.354	1.100	1.029	0.974	0.984	0.994	0.997	1.000	0.997	1.001
6/30/2002	1.746	1.323	1.126	0.993	0.975	0.985	0.991	1.000	0.997	1.002	0.998
6/30/2003	1.619	1.363	1.090	0.985	0.978	0.993	0.993	0.995	1.000	0.998	1.002
6/30/2004	1.635	1.333	1.042	0.977	0.987	0.983	0.993	0.997	1.003	0.999	1.002
6/30/2005	1.611	1.290	1.064	0.982	0.974	0.988	0.997	0.997	1.002	1.000	1.001
6/30/2006	1.512	1.249	1.041	0.979	0.989	1.006	1.000	0.994	0.996	0.997	1.000
6/30/2007	1.508	1.265	1.043	0.992	0.997	0.992	0.999	0.999	0.998	1.001	0.999
6/30/2008	1.497	1.280	1.054	0.989	0.991	1.000	0.995	0.997	1.000	1.001	
6/30/2009	1.571	1.221	1.076	0.990	0.992	0.996	0.994	0.996	0.998		
6/30/2010	1.411	1.270	1.043	1.002	0.986	0.995	1.002	1.002			
6/30/2011	1.536	1.240	1.083	0.987	0.983	0.998	0.997				
6/30/2012	1.475	1.256	1.053	0.996	0.996	1.004					
6/30/2013	1.589	1.211	1.050	1.016	0.998						
6/30/2014	1.505	1.304	1.083	0.982							
6/30/2015	1.561	1.342	1.056								
6/30/2016	1.656	1.319									
6/30/2017	1.499										

3 Yr Mean	1.572	1.322	1.063	0.998	0.992	0.999	0.998	0.998	0.999	1.000	1.000
Best 3/5	1.552	1.293	1.064	0.995	0.991	0.998	0.997	0.997	0.999	1.000	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	1.001	0.999	1.000	1.000	1.000	0.999	1.001	1.000			
6/30/2000	1.000	0.999	1.001	1.000	1.001	1.000	1.000	1.000 *			
6/30/2001	1.000	1.002	0.999	0.999	1.001	0.999	1.000 *	1.000 *			
6/30/2002	1.000	0.999	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
6/30/2003	0.999	0.998	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2004	1.000	1.000	1.000								
6/30/2005	1.001	0.999									
6/30/2006	1.004										

3 Yr Mean	1.002	0.999	1.000	1.000	1.001 @	0.999 @	1.001 @	1.000 @			
Best 3/5	1.000	0.999	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
6/30/2014					0.991	0.998	0.997	0.997	0.999	1.000	1.001
6/30/2015				0.995	0.991	0.998	0.997	0.997	0.999	1.000	1.001
6/30/2016			1.064	0.995	0.991	0.998	0.997	0.997	0.999	1.000	1.001
6/30/2017		1.293	1.064	0.995	0.991	0.998	0.997	0.997	0.999	1.000	1.001
6/30/2018	1.552	1.293	1.064	0.995	0.991	0.998	0.997	0.997	0.999	1.000	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2014	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
6/30/2015	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.977
6/30/2016	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.040
6/30/2017	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.344
6/30/2018	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.086

\* 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:

<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>
6/30/1999	4,995,194	8,482,785	12,861,241	14,868,871	15,629,872	14,866,596	14,559,456	15,202,899	15,040,891	15,051,850	15,054,918
6/30/2000	3,959,856	8,251,384	13,838,356	17,063,792	14,000,304	14,227,277	15,570,180	14,801,847	14,650,986	14,692,897	14,487,089
6/30/2001	5,689,169	12,270,464	16,899,118	15,438,126	15,419,864	16,997,325	16,911,199	16,413,672	15,922,140	16,087,272	16,081,424
6/30/2002	5,419,155	10,518,494	14,024,404	15,728,396	15,371,720	15,829,001	15,049,220	15,445,190	15,097,319	15,283,928	15,401,318
6/30/2003	7,737,061	10,723,588	14,422,975	16,876,284	17,538,383	16,454,588	16,257,960	15,915,299	15,904,184	15,720,005	16,127,769
6/30/2004	6,905,812	12,062,677	15,724,104	18,472,590	17,258,557	17,519,647	16,313,518	16,835,393	16,547,574	16,786,612	16,684,042
6/30/2005	7,464,891	13,097,083	16,606,988	16,661,900	17,265,347	16,712,203	17,026,391	16,838,437	16,637,786	16,255,855	16,297,856
6/30/2006	9,534,613	14,245,376	18,919,502	20,588,653	19,345,136	19,690,286	19,898,230	19,670,743	19,651,530	19,504,414	19,661,842
6/30/2007	9,596,791	14,585,329	17,700,856	20,085,590	19,959,173	20,016,863	19,776,711	20,081,427	20,276,028	20,481,253	20,449,818
6/30/2008	11,943,962	15,989,324	20,004,192	22,052,713	22,492,108	21,558,338	21,975,332	21,947,969	22,013,223	21,938,559	21,936,986
6/30/2009	7,497,147	14,592,024	17,536,317	18,226,677	19,426,220	19,185,480	19,434,702	19,193,682	19,433,743	19,566,347	
6/30/2010	10,712,349	15,013,165	18,127,218	19,861,413	20,433,833	20,930,405	20,686,407	20,299,767	20,350,694		
6/30/2011	10,939,172	16,356,756	20,016,883	21,368,106	21,270,180	21,286,772	21,398,904	21,179,758			
6/30/2012	8,822,231	15,383,291	20,162,357	21,518,645	21,654,924	21,609,176	21,816,849				
6/30/2013	8,952,993	15,506,036	17,559,228	19,504,383	19,585,899	19,618,962					
6/30/2014	11,529,796	18,079,169	21,945,688	25,071,270	26,222,944						
6/30/2015	9,440,584	16,683,093	22,783,379	26,489,268							
6/30/2016	9,299,880	14,821,127	22,061,281								
6/30/2017	10,297,207	16,452,420									
6/30/2018	12,316,994										
<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>		
6/30/1999	15,051,612	15,035,013	15,007,473	14,910,013	14,810,013	14,810,015	14,810,013	14,910,013	14,910,013		
6/30/2000	14,536,235	14,626,635	14,560,136	14,565,131	14,560,131	14,466,631	14,466,631	14,504,131			
6/30/2001	15,978,286	16,198,566	16,221,470	16,182,270	16,179,769	16,182,769	16,185,270				
6/30/2002	15,981,641	16,025,570	16,121,230	16,235,631	16,096,959	16,144,459					
6/30/2003	16,310,937	16,367,404	16,363,235	16,314,234	16,371,734						
6/30/2004	16,682,928	16,746,328	16,746,328	16,843,918							
6/30/2005	16,263,279	16,037,646	16,115,146								
6/30/2006	19,795,044	19,819,742									
6/30/2007	20,734,333										

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
6/30/1999	1.698	1.516	1.156	1.051	0.951	0.979	1.044	0.989	1.001	1.000	1.000
6/30/2000	2.084	1.677	1.233	0.820	1.016	1.094	0.951	0.990	1.003	0.986	1.003
6/30/2001	2.157	1.377	0.914	0.999	1.102	0.995	0.971	0.970	1.010	1.000	0.994
6/30/2002	1.941	1.333	1.122	0.977	1.030	0.951	1.026	0.977	1.012	1.008	1.038
6/30/2003	1.386	1.345	1.170	1.039	0.938	0.988	0.979	0.999	0.988	1.026	1.011
6/30/2004	1.747	1.304	1.175	0.934	1.015	0.931	1.032	0.983	1.014	0.994	1.000
6/30/2005	1.754	1.268	1.003	1.036	0.968	1.019	0.989	0.988	0.977	1.003	0.998
6/30/2006	1.494	1.328	1.088	0.940	1.018	1.011	0.989	0.999	0.993	1.008	1.007
6/30/2007	1.520	1.214	1.135	0.994	1.003	0.988	1.015	1.010	1.010	0.998	1.014
6/30/2008	1.339	1.251	1.102	1.020	0.958	1.019	0.999	1.003	0.997	1.000	
6/30/2009	1.946	1.202	1.039	1.066	0.988	1.013	0.988	1.013	1.007		
6/30/2010	1.401	1.207	1.096	1.029	1.024	0.988	0.981	1.003			
6/30/2011	1.495	1.224	1.068	0.995	1.001	1.005	0.990				
6/30/2012	1.744	1.311	1.067	1.006	0.998	1.010					
6/30/2013	1.732	1.132	1.111	1.004	1.002						
6/30/2014	1.568	1.214	1.142	1.046							
6/30/2015	1.767	1.366	1.163								
6/30/2016	1.594	1.489									
6/30/2017	1.598										

3 Yr Mean 1.653 1.356 1.139 1.019 1.000 1.001 0.986 1.006 1.005 1.002 1.006

Best 3/5 1.641 1.297 1.107 1.013 1.000 1.009 0.992 1.005 0.999 1.000 1.006

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	0.999	0.998	0.994	0.993	1.000	1.000	1.007	1.000			
6/30/2000	1.006	0.995	1.000	1.000	0.994	1.000	1.003	1.001 *			
6/30/2001	1.014	1.001	0.998	1.000	1.000	1.000	1.000 *	1.001 *			
6/30/2002	1.003	1.006	1.007	0.991	1.003	1.000 *	1.000 *	1.001 *			
6/30/2003	1.003	1.000	0.997	1.004	0.998 *	1.000 *	1.000 *	1.001 *			
6/30/2004	1.004	1.000	1.006								
6/30/2005	0.986	1.005									
6/30/2006	1.001										

3 Yr Mean 0.997 1.002 1.003 0.998 0.999 @ 1.000 @ 1.005 @ 1.000 @

Best 3/5 1.002 1.002 1.001 0.998 0.999 \* 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
6/30/2014					1.000	1.009	0.992	1.005	0.999	1.000	1.006
6/30/2015				1.013	1.000	1.009	0.992	1.005	0.999	1.000	1.006
6/30/2016			1.107	1.013	1.000	1.009	0.992	1.005	0.999	1.000	1.006
6/30/2017		1.297	1.107	1.013	1.000	1.009	0.992	1.005	0.999	1.000	1.006
6/30/2018	1.641	1.297	1.107	1.013	1.000	1.009	0.992	1.005	0.999	1.000	1.006

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2014	1.002	1.002	1.001	0.998	0.999	1.000	1.001	1.001	1.004*	1.019
6/30/2015	1.002	1.002	1.001	0.998	0.999	1.000	1.001	1.001	1.004*	1.032
6/30/2016	1.002	1.002	1.001	0.998	0.999	1.000	1.001	1.001	1.004*	1.143
6/30/2017	1.002	1.002	1.001	0.998	0.999	1.000	1.001	1.001	1.004*	1.482
6/30/2018	1.002	1.002	1.001	0.998	0.999	1.000	1.001	1.001	1.004*	2.432

\* 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>
6/30/1999	9,955,446	26,236,405	43,630,646	60,198,035	71,249,897	80,311,660	83,292,216	84,843,234	85,973,436	86,140,651	86,919,944
6/30/2000	9,478,179	22,877,500	45,632,074	68,761,345	83,351,018	88,877,777	96,997,598	98,493,010	96,403,484	99,509,133	96,692,265
6/30/2001	9,752,562	28,882,777	57,189,922	83,567,082	101,564,299	108,640,045	112,044,327	114,573,286	116,232,598	117,256,499	119,154,807
6/30/2002	10,816,557	26,875,729	51,166,765	75,067,022	87,083,602	92,488,268	99,943,494	101,621,615	101,965,598	103,231,158	103,238,786
6/30/2003	10,660,572	27,675,364	49,510,236	70,165,864	80,521,813	88,052,384	90,825,729	92,912,611	94,106,011	94,719,464	94,831,474
6/30/2004	9,317,547	24,190,440	49,774,020	70,662,091	80,829,500	89,022,448	91,823,544	93,619,616	93,943,096	94,610,532	94,867,743
6/30/2005	9,461,182	25,453,082	46,389,610	65,858,665	76,717,826	80,741,878	82,815,542	84,047,041	85,800,091	86,009,216	86,669,583
6/30/2006	7,119,520	23,519,090	46,770,305	64,831,806	77,595,645	83,491,864	89,170,774	91,883,289	92,764,597	94,945,134	95,090,870
6/30/2007	8,602,568	24,936,829	48,951,973	67,372,203	76,878,066	82,704,550	85,725,674	87,692,267	88,536,623	89,378,399	89,518,483
6/30/2008	9,252,290	25,257,692	54,035,367	75,827,855	89,977,353	95,969,708	101,592,036	104,113,889	105,234,108	105,883,544	106,345,623
6/30/2009	10,005,274	26,077,646	50,510,570	71,958,429	84,243,511	94,573,673	97,276,734	98,832,760	99,824,708	100,327,173	
6/30/2010	12,170,091	30,794,914	61,202,221	87,041,132	100,276,617	106,549,038	108,797,838	111,211,863	112,121,646		
6/30/2011	12,540,546	36,212,922	61,542,003	86,933,471	99,663,382	112,217,966	114,854,215	116,554,813			
6/30/2012	12,157,160	30,207,623	59,586,371	83,669,797	97,538,576	104,596,301	110,223,832				
6/30/2013	10,689,635	29,575,672	56,567,573	81,663,304	95,232,760	102,369,934					
6/30/2014	11,131,128	31,459,780	65,773,407	93,645,112	106,653,319						
6/30/2015	11,158,636	29,577,002	61,177,174	83,408,458							
6/30/2016	9,384,902	29,931,039	56,859,148								
6/30/2017	12,190,370	31,515,503									
6/30/2018	11,974,647										

<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>
6/30/1999	87,831,169	87,814,073	87,889,126	87,941,035	87,955,177	88,039,606	88,117,706	88,197,632	88,233,448
6/30/2000	96,882,411	97,086,486	97,173,520	97,302,571	97,358,377	97,634,574	97,700,824	97,966,484	
6/30/2001	120,204,514	120,274,313	121,169,324	121,889,768	122,181,495	123,012,402	123,881,544		
6/30/2002	103,560,812	104,145,371	104,966,889	105,067,858	105,154,823	105,307,709			
6/30/2003	95,068,453	95,879,703	96,053,298	96,278,738	96,310,173				
6/30/2004	95,247,831	95,313,186	95,311,855	95,047,128					
6/30/2005	86,793,599	87,423,872	87,560,920						
6/30/2006	95,842,777	96,246,751							
6/30/2007	89,678,006								

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>
6/30/1999	16,280,959	17,394,241	16,567,389	11,051,862	9,061,763	2,980,556	1,551,018	1,130,202	167,215	779,293	911,225	-17,096	75,053
6/30/2000	13,399,321	22,754,574	23,129,271	14,589,673	5,526,759	8,119,821	1,495,412	-2,089,526	3,105,649	-2,816,868	190,146	204,075	87,034
6/30/2001	19,130,215	28,307,145	26,377,160	17,997,217	7,075,746	3,404,282	2,528,959	1,659,312	1,023,901	1,898,308	1,049,707	69,799	895,011
6/30/2002	16,059,172	24,291,036	23,900,257	12,016,580	5,404,666	7,455,226	1,678,121	343,983	1,265,560	7,628	322,026	584,559	821,518
6/30/2003	17,014,792	21,834,872	20,655,628	10,355,949	7,530,571	2,773,345	2,086,882	1,193,400	613,453	112,010	236,979	811,250	173,595
6/30/2004	14,872,893	25,583,580	20,888,071	10,167,409	8,192,948	2,801,096	1,796,072	323,480	667,436	257,211	380,088	65,355	-1,331
6/30/2005	15,991,900	20,936,528	19,469,055	10,859,161	4,024,052	2,073,664	1,231,499	1,753,050	209,125	660,367	124,016	630,273	137,048
6/30/2006	16,399,570	23,251,215	18,061,501	12,763,839	5,896,219	5,678,910	2,712,515	881,308	2,180,537	145,736	751,907	403,974	
6/30/2007	16,334,261	24,015,144	18,420,230	9,505,863	5,826,484	3,021,124	1,966,593	844,356	841,776	140,084	159,523		
6/30/2008	16,005,402	28,777,675	21,792,488	14,149,498	5,992,355	5,622,328	2,521,853	1,120,219	649,436	462,079			
6/30/2009	16,072,372	24,432,924	21,447,859	12,285,082	10,330,162	2,703,061	1,556,026	991,948	502,465				
6/30/2010	18,624,823	30,407,307	25,838,911	13,235,485	6,272,421	2,248,800	2,414,025	909,783					
6/30/2011	23,672,376	25,329,081	25,391,468	12,729,911	12,554,584	2,636,249	1,700,598						
6/30/2012	18,050,463	29,378,748	24,083,426	13,868,779	7,057,725	5,627,531							
6/30/2013	18,886,037	26,991,901	25,095,731	13,569,456	7,137,174								
6/30/2014	20,328,652	34,313,627	27,871,705	13,008,207									
6/30/2015	18,418,366	31,600,172	22,231,284										
6/30/2016	20,546,137	26,928,109											
6/30/2017	19,325,133												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1999	0.0547	0.0584	0.0556	0.0371	0.0304	0.0100	0.0052	0.0038	0.0006	0.0026	0.0031	-0.0001	0.0003
6/30/2000	0.0450	0.0764	0.0776	0.0490	0.0185	0.0272	0.0050	-0.0070	0.0104	-0.0095	0.0006	0.0007	0.0003
6/30/2001	0.0583	0.0863	0.0804	0.0549	0.0216	0.0104	0.0077	0.0051	0.0031	0.0058	0.0032	0.0002	0.0027
6/30/2002	0.0619	0.0937	0.0922	0.0463	0.0208	0.0287	0.0065	0.0013	0.0049	0.0000	0.0012	0.0023	0.0032
6/30/2003	0.0651	0.0836	0.0791	0.0396	0.0288	0.0106	0.0080	0.0046	0.0023	0.0004	0.0009	0.0031	0.0007
6/30/2004	0.0560	0.0963	0.0786	0.0383	0.0308	0.0105	0.0068	0.0012	0.0025	0.0010	0.0014	0.0002	0.0000
6/30/2005	0.0657	0.0861	0.0800	0.0446	0.0165	0.0085	0.0051	0.0072	0.0009	0.0027	0.0005	0.0026	0.0006
6/30/2006	0.0670	0.0951	0.0738	0.0522	0.0241	0.0232	0.0111	0.0036	0.0089	0.0006	0.0031	0.0017	
6/30/2007	0.0638	0.0939	0.0720	0.0372	0.0228	0.0118	0.0077	0.0033	0.0033	0.0005	0.0006		
6/30/2008	0.0562	0.1011	0.0765	0.0497	0.0210	0.0197	0.0089	0.0039	0.0023	0.0016			
6/30/2009	0.0576	0.0876	0.0769	0.0441	0.0370	0.0097	0.0056	0.0036	0.0018				
6/30/2010	0.0701	0.1145	0.0973	0.0498	0.0236	0.0085	0.0091	0.0034					
6/30/2011	0.0788	0.0843	0.0845	0.0424	0.0418	0.0088	0.0057						
6/30/2012	0.0665	0.1083	0.0887	0.0511	0.0260	0.0207							
6/30/2013	0.0692	0.0990	0.0920	0.0497	0.0262								
6/30/2014	0.0619	0.1045	0.0849	0.0396									
6/30/2015	0.0635	0.1089	0.0766										
6/30/2016	0.0754	0.0988											
6/30/2017	0.0680												

Best 3/5	0.0669	0.1039	0.0860	0.0473	0.0297	0.0127	0.0074	0.0035	0.0025	0.0011	0.0010	0.0022	0.0013
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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:

<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>
6/30/1999	100,178,413	112,793,374	130,373,630	128,498,755	131,031,245	130,703,589	129,784,968	128,610,400	129,053,090	129,025,258	129,387,684
6/30/2000	112,468,340	138,900,386	142,040,719	147,308,200	147,304,434	146,802,038	145,598,915	146,261,424	146,730,135	147,159,536	147,061,643
6/30/2001	122,177,058	131,830,006	142,633,669	147,896,581	148,854,993	149,469,533	150,274,812	150,155,421	150,897,438	151,901,523	152,379,533
6/30/2002	103,951,688	118,482,706	123,656,012	125,915,017	126,653,844	127,698,496	127,618,297	128,096,231	128,221,684	128,798,205	129,315,573
6/30/2003	90,241,061	100,906,778	106,940,377	108,398,813	108,271,179	109,085,291	109,277,247	110,362,481	110,722,507	110,870,847	111,116,971
6/30/2004	100,318,610	114,324,744	119,902,441	120,731,507	121,200,663	121,551,105	121,461,318	122,142,515	122,485,289	122,639,244	123,030,019
6/30/2005	105,747,728	114,235,388	115,554,329	118,151,469	119,006,473	119,205,060	120,044,325	120,858,856	121,001,455	121,698,564	121,737,657
6/30/2006	108,426,995	118,787,003	121,974,529	123,188,420	124,219,331	125,177,847	126,434,411	127,536,562	128,144,730	129,064,083	129,195,490
6/30/2007	114,190,695	125,322,002	128,746,034	130,247,430	131,835,910	133,404,121	134,621,772	135,432,855	136,293,760	137,149,609	137,024,637
6/30/2008	121,539,633	133,410,684	136,607,464	137,764,596	140,004,216	141,678,393	142,674,596	143,549,858	144,170,999	144,699,058	146,034,790
6/30/2009	124,015,840	133,835,469	137,105,707	139,733,320	139,506,592	140,562,975	141,159,052	141,882,147	143,587,560	144,621,388	
6/30/2010	116,587,922	127,706,246	129,856,035	131,877,624	133,161,837	133,219,891	134,038,577	134,328,012	135,187,952		
6/30/2011	127,322,433	138,393,726	142,647,132	142,720,000	143,145,125	143,864,980	144,688,259	145,763,217			
6/30/2012	131,911,937	141,137,271	143,259,908	144,114,179	145,221,539	146,154,742	147,466,922				
6/30/2013	124,112,211	134,193,540	139,398,967	140,659,454	141,438,084	143,079,729					
6/30/2014	123,178,911	133,854,123	138,943,357	140,187,940	143,388,600						
6/30/2015	123,926,125	135,860,626	143,164,756	149,568,962							
6/30/2016	126,836,271	141,566,668	148,616,767								
6/30/2017	136,058,021	152,605,497									
6/30/2018	143,319,666										

  

<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>
6/30/1999	129,449,091	129,772,448	129,511,405	129,690,465	129,727,588	129,651,202	129,729,065	129,942,486	130,007,327
6/30/2000	147,652,784	146,932,198	146,868,267	146,848,408	146,939,065	146,935,827	147,166,063	147,413,554	
6/30/2001	152,287,390	152,179,388	152,424,272	152,347,320	152,478,777	152,644,186	152,900,240		
6/30/2002	129,283,827	129,465,977	129,864,250	130,356,985	130,461,563	130,358,529			
6/30/2003	111,590,350	111,723,111	111,931,495	111,922,644	111,956,823				
6/30/2004	123,293,094	123,415,085	123,849,312	124,047,485					
6/30/2005	121,819,505	122,229,754	122,282,204						
6/30/2006	129,283,728	129,905,837							
6/30/2007	137,307,238								

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
6/30/1999	1.126	1.156	0.986	1.020	0.997	0.993	0.991	1.003	1.000	1.003	1.000
6/30/2000	1.235	1.023	1.037	1.000	0.997	0.992	1.005	1.003	1.003	0.999	1.004
6/30/2001	1.079	1.082	1.037	1.006	1.004	1.005	0.999	1.005	1.007	1.003	0.999
6/30/2002	1.140	1.044	1.018	1.006	1.008	0.999	1.004	1.001	1.004	1.004	1.000
6/30/2003	1.118	1.060	1.014	0.999	1.008	1.002	1.010	1.003	1.001	1.002	1.004
6/30/2004	1.140	1.049	1.007	1.004	1.003	0.999	1.006	1.003	1.001	1.003	1.002
6/30/2005	1.080	1.012	1.022	1.007	1.002	1.007	1.007	1.001	1.006	1.000	1.001
6/30/2006	1.096	1.027	1.010	1.008	1.008	1.010	1.009	1.005	1.007	1.001	1.001
6/30/2007	1.097	1.027	1.012	1.012	1.012	1.009	1.006	1.006	1.006	0.999	1.002
6/30/2008	1.098	1.024	1.008	1.016	1.012	1.007	1.006	1.004	1.004	1.009	
6/30/2009	1.079	1.024	1.019	0.998	1.008	1.004	1.005	1.012	1.007		
6/30/2010	1.095	1.017	1.016	1.010	1.000	1.006	1.002	1.006			
6/30/2011	1.087	1.031	1.001	1.003	1.005	1.006	1.007				
6/30/2012	1.070	1.015	1.006	1.008	1.006	1.009					
6/30/2013	1.081	1.039	1.009	1.006	1.012						
6/30/2014	1.087	1.038	1.009	1.023							
6/30/2015	1.096	1.054	1.045								
6/30/2016	1.116	1.050									
6/30/2017	1.122										

3 Yr Mean 1.111 1.047 1.021 1.012 1.008 1.007 1.005 1.007 1.006 1.003 1.001

Best 3/5 1.100 1.042 1.008 1.008 1.006 1.006 1.006 1.006 1.006 1.001 1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	1.002	0.998	1.001	1.000	0.999	1.001	1.002	1.000			
6/30/2000	0.995	1.000	1.000	1.001	1.000	1.002	1.002	1.001 *			
6/30/2001	0.999	1.002	0.999	1.001	1.001	1.002	1.001 *	1.001 *			
6/30/2002	1.001	1.003	1.004	1.001	0.999	1.000 *	1.001 *	1.001 *			
6/30/2003	1.001	1.002	1.000	1.000	1.001 *	1.000 *	1.001 *	1.001 *			
6/30/2004	1.001	1.004	1.002								
6/30/2005	1.003	1.000									
6/30/2006	1.005										

3 Yr Mean 1.003 1.002 1.002 1.001 1.000 @ 1.002 @ 1.002 @ 1.000 @

Best 3/5 1.002 1.002 1.001 1.001 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
6/30/2014					1.006	1.006	1.006	1.006	1.006	1.001	1.002
6/30/2015				1.008	1.006	1.006	1.006	1.006	1.006	1.001	1.002
6/30/2016			1.008	1.008	1.006	1.006	1.006	1.006	1.006	1.001	1.002
6/30/2017		1.042	1.008	1.008	1.006	1.006	1.006	1.006	1.006	1.001	1.002
6/30/2018	1.100	1.042	1.008	1.008	1.006	1.006	1.006	1.006	1.006	1.001	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2014	1.002	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.047
6/30/2015	1.002	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.055
6/30/2016	1.002	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.064
6/30/2017	1.002	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.108
6/30/2018	1.002	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.219

\* 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:

<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>
6/30/1999	18,321,642	20,961,282	22,690,225	24,434,303	26,461,881	26,933,635	27,032,469	27,277,027	27,370,140	27,457,279	27,437,041
6/30/2000	18,650,539	23,404,845	26,326,738	28,550,483	29,310,449	29,193,108	29,433,746	29,216,956	29,331,179	29,656,997	29,924,591
6/30/2001	21,794,339	27,192,113	29,745,076	31,330,956	32,008,438	32,448,826	32,740,571	33,461,792	34,106,368	34,103,772	33,833,115
6/30/2002	19,760,806	24,291,206	24,667,678	24,782,824	25,101,023	26,429,201	26,482,284	27,134,855	27,113,667	27,179,224	27,176,371
6/30/2003	20,595,173	22,405,027	22,601,793	23,169,686	24,324,166	24,205,043	24,694,956	24,911,157	25,105,255	25,310,129	25,340,468
6/30/2004	20,951,069	23,770,264	25,972,686	26,196,592	26,364,294	26,935,291	27,166,950	27,319,042	27,403,025	27,480,410	27,658,533
6/30/2005	22,364,275	25,231,063	26,986,462	27,645,577	27,888,014	27,668,178	27,939,443	28,093,695	28,603,576	28,794,741	28,885,918
6/30/2006	22,425,304	25,863,115	26,800,769	27,233,177	27,030,371	27,424,148	27,779,513	28,013,504	28,111,817	28,514,788	28,478,718
6/30/2007	25,910,381	27,607,426	28,698,815	28,739,602	28,747,995	28,572,948	29,145,284	28,986,163	29,029,328	29,150,646	29,200,557
6/30/2008	26,991,213	30,367,697	31,628,355	32,420,333	31,943,153	32,755,097	32,793,037	32,575,810	33,020,278	33,179,203	33,441,951
6/30/2009	28,183,854	28,683,654	29,885,237	30,349,154	30,187,568	30,117,129	29,847,901	30,223,665	30,475,589	30,856,044	
6/30/2010	22,210,374	23,833,508	24,440,514	24,964,472	24,865,716	25,076,979	25,701,270	25,666,968	25,900,803		
6/30/2011	23,439,538	24,551,533	25,467,644	25,443,663	25,583,496	25,878,863	25,872,996	26,856,085			
6/30/2012	22,380,280	24,843,523	25,951,152	26,155,865	26,081,760	26,418,358	27,007,298				
6/30/2013	21,402,468	23,655,201	24,924,406	25,016,624	24,508,235	25,103,917					
6/30/2014	23,237,903	25,321,748	25,917,401	26,179,732	26,788,725						
6/30/2015	24,803,994	27,453,181	28,400,928	30,481,199							
6/30/2016	25,851,001	27,490,608	29,768,741								
6/30/2017	22,232,350	27,968,059									
6/30/2018	28,375,138										
<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>		
6/30/1999	27,463,534	27,530,991	27,472,660	27,468,512	27,470,512	27,468,512	27,456,137	27,472,804	27,475,983		
6/30/2000	29,866,373	29,681,489	29,681,086	29,636,086	29,638,417	29,486,394	29,502,961	29,506,140			
6/30/2001	34,010,578	34,183,737	34,293,005	34,301,597	34,201,410	34,250,477	34,263,755				
6/30/2002	27,360,428	27,401,957	27,240,041	27,106,124	27,116,288	27,030,027					
6/30/2003	25,409,065	25,350,007	25,303,960	25,390,776	25,350,204						
6/30/2004	27,628,861	27,595,778	27,632,493	27,640,449							
6/30/2005	28,795,582	28,994,461	29,059,953								
6/30/2006	28,725,696	28,672,850									
6/30/2007	29,496,550										



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
6/30/1999	1.144	1.082	1.077	1.083	1.018	1.004	1.009	1.003	1.003	0.999	1.001
6/30/2000	1.255	1.125	1.084	1.027	0.996	1.008	0.993	1.004	1.011	1.009	0.998
6/30/2001	1.248	1.094	1.053	1.022	1.014	1.009	1.022	1.019	1.000	0.992	1.005
6/30/2002	1.229	1.015	1.005	1.013	1.053	1.002	1.025	0.999	1.002	1.000	1.007
6/30/2003	1.088	1.009	1.025	1.050	0.995	1.020	1.009	1.008	1.008	1.001	1.003
6/30/2004	1.135	1.093	1.009	1.006	1.022	1.009	1.006	1.003	1.003	1.006	0.999
6/30/2005	1.128	1.070	1.024	1.009	0.992	1.010	1.006	1.018	1.007	1.003	0.997
6/30/2006	1.153	1.036	1.016	0.993	1.015	1.013	1.008	1.004	1.014	0.999	1.009
6/30/2007	1.065	1.040	1.001	1.000	0.994	1.020	0.995	1.001	1.004	1.002	1.010
6/30/2008	1.125	1.042	1.025	0.985	1.025	1.001	0.993	1.014	1.005	1.008	
6/30/2009	1.018	1.042	1.016	0.995	0.998	0.991	1.013	1.008	1.012		
6/30/2010	1.073	1.025	1.021	0.996	1.008	1.025	0.999	1.009			
6/30/2011	1.047	1.037	0.999	1.005	1.012	1.000	1.038				
6/30/2012	1.110	1.045	1.008	0.997	1.013	1.022					
6/30/2013	1.105	1.054	1.004	0.980	1.024						
6/30/2014	1.090	1.024	1.010	1.023							
6/30/2015	1.107	1.035	1.073								
6/30/2016	1.063	1.083									
6/30/2017	1.258										

3 Yr Mean 1.143 1.047 1.029 1.000 1.016 1.016 1.017 1.010 1.007 1.003 1.005

Best 3/5 1.101 1.045 1.007 0.999 1.011 1.008 1.002 1.007 1.008 1.004 1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	1.002	0.998	1.000	1.000	1.000	1.000	1.001	1.000			
6/30/2000	0.994	1.000	0.998	1.000	0.995	1.001	1.000	1.000 *			
6/30/2001	1.005	1.003	1.000	0.997	1.001	1.000	1.000 *	1.000 *			
6/30/2002	1.002	0.994	0.995	1.000	0.997	0.999 *	1.000 *	1.000 *			
6/30/2003	0.998	0.998	1.003	0.998	0.999 *	0.999 *	1.000 *	1.000 *			
6/30/2004	0.999	1.001	1.000								
6/30/2005	1.007	1.002									
6/30/2006	0.998										

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

Best 3/5 1.000 1.000 0.999 0.999 0.999 \* 1.000 \* 1.000 \* 1.000 \*

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2014					1.011	1.008	1.002	1.007	1.008	1.004	1.004
6/30/2015				0.999	1.011	1.008	1.002	1.007	1.008	1.004	1.004
6/30/2016			1.007	0.999	1.011	1.008	1.002	1.007	1.008	1.004	1.004
6/30/2017		1.045	1.007	0.999	1.011	1.008	1.002	1.007	1.008	1.004	1.004
6/30/2018	1.101	1.045	1.007	0.999	1.011	1.008	1.002	1.007	1.008	1.004	1.004

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2014	1.000	1.000	0.999	0.999	0.999	1.000	1.000	1.000	1.000*	1.042
6/30/2015	1.000	1.000	0.999	0.999	0.999	1.000	1.000	1.000	1.000*	1.041
6/30/2016	1.000	1.000	0.999	0.999	0.999	1.000	1.000	1.000	1.000*	1.048
6/30/2017	1.000	1.000	0.999	0.999	0.999	1.000	1.000	1.000	1.000*	1.095
6/30/2018	1.000	1.000	0.999	0.999	0.999	1.000	1.000	1.000	1.000*	1.206

\* 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>
6/30/1999	7,815,113	14,569,586	21,814,717	27,479,676	31,784,229	35,117,841	37,072,141	41,288,777	44,148,307	47,709,720	48,672,610
6/30/2000	9,601,865	17,505,898	22,980,827	31,078,617	37,197,439	43,501,945	47,165,272	50,489,581	53,759,895	55,193,024	55,042,598
6/30/2001	10,793,316	16,242,496	25,983,401	37,299,020	48,472,879	54,709,641	60,093,981	63,408,474	65,311,538	66,401,535	68,515,619
6/30/2002	7,898,511	15,803,364	22,863,304	30,559,482	37,419,511	42,531,469	45,397,946	46,847,783	48,449,278	48,904,556	49,684,847
6/30/2003	8,162,313	15,125,720	23,111,682	30,605,795	36,214,729	37,467,905	41,510,529	42,269,516	43,562,447	44,834,536	45,909,784
6/30/2004	7,000,107	14,341,690	23,064,353	30,983,311	36,170,600	39,387,041	40,546,663	42,164,737	43,529,794	44,176,856	44,725,034
6/30/2005	8,629,921	13,903,590	20,407,723	27,329,041	32,476,877	35,594,874	38,682,880	40,231,640	41,669,194	42,437,567	43,010,228
6/30/2006	8,462,321	15,553,940	24,221,950	31,035,999	36,932,412	41,617,107	44,307,087	46,922,537	48,882,999	50,345,928	51,701,493
6/30/2007	7,731,780	14,583,733	22,919,447	30,328,980	37,511,833	42,717,572	45,445,674	47,138,637	49,405,210	50,559,192	51,452,367
6/30/2008	9,510,579	18,334,512	28,080,009	35,996,824	42,399,168	44,986,195	47,877,791	52,436,932	55,093,687	57,598,634	59,320,128
6/30/2009	8,530,030	16,159,032	24,533,231	32,272,346	38,114,264	41,219,418	43,018,901	44,498,965	46,089,711	47,542,257	
6/30/2010	9,580,121	19,571,262	26,346,157	34,445,454	39,182,046	41,354,204	44,746,156	45,964,347	48,171,793		
6/30/2011	9,468,390	16,747,505	26,281,617	32,564,185	36,411,204	39,540,471	41,310,591	43,604,555			
6/30/2012	10,634,824	18,465,836	26,170,747	29,708,887	34,218,442	37,178,301	38,270,942				
6/30/2013	10,349,470	20,205,169	31,922,674	42,366,299	49,936,315	54,899,726					
6/30/2014	9,930,669	20,439,728	31,536,969	38,755,457	46,285,763						
6/30/2015	8,292,009	16,627,706	26,240,495	36,821,818							
6/30/2016	10,616,352	21,621,604	29,730,573								
6/30/2017	10,587,409	18,997,982									
6/30/2018	11,602,851										

<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>
6/30/1999	48,696,381	49,184,739	49,118,654	49,246,835	49,409,055	49,557,020	49,628,897	49,508,928	50,294,684
6/30/2000	56,655,103	56,546,496	56,127,397	56,137,603	56,181,050	56,188,391	56,268,125	56,306,894	
6/30/2001	70,128,342	69,988,529	69,689,374	70,039,603	70,162,632	70,343,503	70,429,705		
6/30/2002	50,463,931	50,714,123	51,722,972	51,982,199	52,026,457	52,352,004			
6/30/2003	46,862,029	47,971,751	48,328,601	48,440,189	48,624,589				
6/30/2004	45,204,365	45,750,672	47,713,794	48,290,215					
6/30/2005	43,006,160	43,869,454	44,249,086						
6/30/2006	52,821,540	53,700,495							
6/30/2007	52,422,409								

PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 MULTISTATE  
 PROPERTY DAMAGE - 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>
6/30/1999	6,754,473	7,245,131	5,664,959	4,304,553	3,333,612	1,954,300	4,216,636	2,859,530	3,561,413	962,890	23,771	488,358	-66,085
6/30/2000	7,904,033	5,474,929	8,097,790	6,118,822	6,304,506	3,663,327	3,324,309	3,270,314	1,433,129	-150,426	1,612,505	-108,607	-419,099
6/30/2001	5,449,180	9,740,905	11,315,619	11,173,859	6,236,762	5,384,340	3,314,493	1,903,064	1,089,997	2,114,084	1,612,723	-139,813	-299,155
6/30/2002	7,904,853	7,059,940	7,696,178	6,860,029	5,111,958	2,866,477	1,449,837	1,601,495	455,278	780,291	779,084	250,192	1,008,849
6/30/2003	6,963,407	7,985,962	7,494,113	5,608,934	1,253,176	4,042,624	758,987	1,292,931	1,272,089	1,075,248	952,245	1,109,722	356,850
6/30/2004	7,341,583	8,722,663	7,918,958	5,187,289	3,216,441	1,159,622	1,618,074	1,365,057	647,062	548,178	479,331	546,307	1,963,122
6/30/2005	5,273,669	6,504,133	6,921,318	5,147,836	3,117,997	3,088,006	1,548,760	1,437,554	768,373	572,661	-4,068	863,294	379,632
6/30/2006	7,091,619	8,668,010	6,814,049	5,896,413	4,684,695	2,689,980	2,615,450	1,960,462	1,462,929	1,355,565	1,120,047	878,955	
6/30/2007	6,851,953	8,335,714	7,409,533	7,182,853	5,205,739	2,728,102	1,692,963	2,266,573	1,153,982	893,175	970,042		
6/30/2008	8,823,933	9,745,497	7,916,815	6,402,344	2,587,027	2,891,596	4,559,141	2,656,755	2,504,947	1,721,494			
6/30/2009	7,629,002	8,374,199	7,739,115	5,841,918	3,105,154	1,799,483	1,480,064	1,590,746	1,452,546				
6/30/2010	9,991,141	6,774,895	8,099,297	4,736,592	2,172,158	3,391,952	1,218,191	2,207,446					
6/30/2011	7,279,115	9,534,112	6,282,568	3,847,019	3,129,267	1,770,120	2,293,964						
6/30/2012	7,831,012	7,704,911	3,538,140	4,509,555	2,959,859	1,092,641							
6/30/2013	9,855,699	11,717,505	10,443,625	7,570,016	4,963,411								
6/30/2014	10,509,059	11,097,241	7,218,488	7,530,306									
6/30/2015	8,335,697	9,612,789	10,581,323										
6/30/2016	11,005,252	8,108,969											
6/30/2017	8,410,573												

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>
6/30/1999	0.0412	0.0442	0.0346	0.0263	0.0203	0.0119	0.0257	0.0175	0.0217	0.0059	0.0001	0.0030	-0.0004
6/30/2000	0.0410	0.0284	0.0420	0.0318	0.0327	0.0190	0.0173	0.0170	0.0074	-0.0008	0.0084	-0.0006	-0.0022
6/30/2001	0.0274	0.0491	0.0570	0.0563	0.0314	0.0271	0.0167	0.0096	0.0055	0.0106	0.0081	-0.0007	-0.0015
6/30/2002	0.0468	0.0418	0.0456	0.0406	0.0303	0.0170	0.0086	0.0095	0.0027	0.0046	0.0046	0.0015	0.0060
6/30/2003	0.0475	0.0545	0.0511	0.0383	0.0086	0.0276	0.0052	0.0088	0.0087	0.0073	0.0065	0.0076	0.0024
6/30/2004	0.0455	0.0540	0.0491	0.0321	0.0199	0.0072	0.0100	0.0085	0.0040	0.0034	0.0030	0.0034	0.0122
6/30/2005	0.0332	0.0409	0.0436	0.0324	0.0196	0.0194	0.0097	0.0090	0.0048	0.0036	0.0000	0.0054	0.0024
6/30/2006	0.0419	0.0512	0.0402	0.0348	0.0277	0.0159	0.0154	0.0116	0.0086	0.0080	0.0066	0.0052	
6/30/2007	0.0394	0.0479	0.0426	0.0413	0.0299	0.0157	0.0097	0.0130	0.0066	0.0051	0.0056		
6/30/2008	0.0453	0.0500	0.0406	0.0329	0.0133	0.0148	0.0234	0.0136	0.0129	0.0088			
6/30/2009	0.0397	0.0436	0.0403	0.0304	0.0162	0.0094	0.0077	0.0083	0.0076				
6/30/2010	0.0548	0.0372	0.0444	0.0260	0.0119	0.0186	0.0067	0.0121					
6/30/2011	0.0369	0.0483	0.0319	0.0195	0.0159	0.0090	0.0116						
6/30/2012	0.0397	0.0391	0.0180	0.0229	0.0150	0.0055							
6/30/2013	0.0503	0.0598	0.0533	0.0386	0.0253								
6/30/2014	0.0520	0.0549	0.0357	0.0373									
6/30/2015	0.0390	0.0450	0.0495										
6/30/2016	0.0528	0.0389											
6/30/2017	0.0372												

Best 3/5	0.0471	0.0463	0.0390	0.0287	0.0157	0.0111	0.0097	0.0122	0.0076	0.0056	0.0050	0.0047	0.0036
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PREMISES/OPERATIONS (Subline Code 334)  
MANUFACTURERS AND CONTRACTORS  
FULL COVERAGE  
MULTISTATE  
FRINGE COVERAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/1999	8,500,424	11,876,436	13,320,543	14,463,920	14,410,652	14,771,487	14,771,348	15,403,802	15,324,396	15,284,534	15,276,770
6/30/2000	10,247,894	13,111,279	15,820,913	17,048,023	16,958,916	16,882,389	17,040,704	17,336,962	16,976,855	16,948,918	16,993,013
6/30/2001	10,145,846	14,305,943	16,711,478	17,137,826	17,539,665	17,685,543	18,298,002	18,491,169	18,035,413	17,772,909	17,978,027
6/30/2002	9,977,177	14,508,720	15,508,828	15,628,075	15,995,119	15,636,666	15,304,409	15,147,222	15,109,914	14,933,648	14,851,304
6/30/2003	9,856,151	10,972,116	12,367,463	13,784,057	12,949,285	13,040,122	12,157,950	12,303,722	12,396,771	12,178,728	12,205,744
6/30/2004	12,301,191	18,147,548	21,569,979	22,183,962	22,180,097	20,697,729	19,901,422	19,791,093	19,611,669	19,787,541	19,519,052
6/30/2005	13,135,207	16,146,880	17,942,100	18,449,213	17,578,594	17,123,033	16,999,632	17,084,610	17,077,655	16,959,789	16,957,599
6/30/2006	13,787,799	17,894,314	18,741,145	17,991,995	17,859,205	17,646,961	17,488,346	17,459,750	17,210,155	17,501,905	17,378,808
6/30/2007	13,362,549	15,247,290	16,923,486	17,098,572	16,121,140	15,995,823	15,645,510	15,752,329	15,481,115	15,457,457	15,551,823
6/30/2008	10,096,987	12,032,744	12,691,000	12,684,812	12,600,082	12,228,169	12,034,453	12,040,799	12,083,145	12,058,353	12,242,687
6/30/2009	8,854,880	11,222,369	11,813,974	11,715,349	11,552,868	11,487,547	11,121,946	11,065,938	10,929,560	10,942,248	
6/30/2010	9,864,829	11,055,826	11,954,860	11,989,238	11,439,806	11,459,396	11,530,355	11,465,081	11,531,116		
6/30/2011	7,839,488	9,303,882	10,254,244	9,371,481	9,489,869	9,613,430	9,990,725	9,977,960			
6/30/2012	5,754,930	7,097,155	7,624,643	8,549,774	8,161,545	8,643,694	8,631,516				
6/30/2013	6,124,843	7,356,485	7,993,711	8,650,915	8,961,018	9,154,401					
6/30/2014	5,687,270	8,813,769	10,104,126	10,609,393	10,509,217						
6/30/2015	7,819,510	10,452,368	11,227,262	12,420,128							
6/30/2016	7,579,451	9,429,209	10,139,046								
6/30/2017	6,977,691	9,611,607									
6/30/2018	8,088,163										
<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>		
6/30/1999	15,262,369	15,257,080	15,192,031	15,193,130	15,220,937	15,245,290	15,164,238	15,151,824	15,164,937		
6/30/2000	17,006,712	17,005,001	16,992,985	17,036,569	17,018,128	17,016,312	17,009,482	17,009,497			
6/30/2001	17,795,264	17,751,318	17,994,254	17,879,254	17,979,254	17,959,245	18,059,229				
6/30/2002	14,972,333	14,911,222	14,900,691	14,931,511	14,919,007	14,919,007					
6/30/2003	11,957,481	11,957,481	12,057,481	12,065,481	12,065,481						
6/30/2004	19,607,696	19,630,348	19,612,696	19,612,696							
6/30/2005	16,857,599	16,796,619	16,791,619								
6/30/2006	17,275,413	17,261,247									
6/30/2007	15,607,572										

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
6/30/1999	1.397	1.122	1.086	0.996	1.025	1.000	1.043	0.995	0.997	0.999	0.999
6/30/2000	1.279	1.207	1.078	0.995	0.995	1.009	1.017	0.979	0.998	1.003	1.001
6/30/2001	1.410	1.168	1.026	1.023	1.008	1.035	1.011	0.975	0.985	1.012	0.990
6/30/2002	1.454	1.069	1.008	1.023	0.978	0.979	0.990	0.998	0.988	0.994	1.008
6/30/2003	1.113	1.127	1.115	0.939	1.007	0.932	1.012	1.008	0.982	1.002	0.980
6/30/2004	1.475	1.189	1.028	1.000	0.933	0.962	0.994	0.991	1.009	0.986	1.005
6/30/2005	1.229	1.111	1.028	0.953	0.974	0.993	1.005	1.000	0.993	1.000	0.994
6/30/2006	1.298	1.047	0.960	0.993	0.988	0.991	0.998	0.986	1.017	0.993	0.994
6/30/2007	1.141	1.110	1.010	0.943	0.992	0.978	1.007	0.983	0.998	1.006	1.004
6/30/2008	1.192	1.055	1.000	0.993	0.970	0.984	1.001	1.004	0.998	1.015	
6/30/2009	1.267	1.053	0.992	0.986	0.994	0.968	0.995	0.988	1.001		
6/30/2010	1.121	1.081	1.003	0.954	1.002	1.006	0.994	1.006			
6/30/2011	1.187	1.102	0.914	1.013	1.013	1.039	0.999				
6/30/2012	1.233	1.074	1.121	0.955	1.059	0.999					
6/30/2013	1.201	1.087	1.082	1.036	1.022						
6/30/2014	1.550	1.146	1.050	0.991							
6/30/2015	1.337	1.074	1.106								
6/30/2016	1.244	1.075									
6/30/2017	1.377										

3 Yr Mean 1.319 1.098 1.079 0.994 1.031 1.015 0.996 0.999 0.999 1.005 0.997

Best 3/5 1.319 1.079 1.079 0.986 1.012 0.996 0.998 0.993 0.999 1.000 0.997

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	1.000	0.996	1.000	1.002	1.002	0.995	0.999	1.001			
6/30/2000	1.000	0.999	1.003	0.999	1.000	1.000	1.000	1.000 *			
6/30/2001	0.998	1.014	0.994	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	1.008	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2004	1.001	0.999	1.000								
6/30/2005	0.996	1.000									
6/30/2006	0.999										

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

Best 3/5 0.998 1.002 1.001 1.000 1.000 \* 1.000 \* 1.000 \* 1.000 \*

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2014					1.012	0.996	0.998	0.993	0.999	1.000	0.997
6/30/2015				0.986	1.012	0.996	0.998	0.993	0.999	1.000	0.997
6/30/2016			1.079	0.986	1.012	0.996	0.998	0.993	0.999	1.000	0.997
6/30/2017		1.079	1.079	0.986	1.012	0.996	0.998	0.993	0.999	1.000	0.997
6/30/2018	1.319	1.079	1.079	0.986	1.012	0.996	0.998	0.993	0.999	1.000	0.997

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2014	0.998	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.996
6/30/2015	0.998	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
6/30/2016	0.998	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.060
6/30/2017	0.998	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.143
6/30/2018	0.998	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.508

\* 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>
6/30/1999	2,329,019	5,887,398	9,907,004	13,725,982	16,350,221	20,477,870	22,912,759	24,862,377	25,266,431	25,821,199	26,348,551
6/30/2000	2,648,320	5,425,458	8,573,253	11,518,040	12,530,896	13,880,668	14,611,044	15,244,577	16,971,270	17,969,116	18,394,561
6/30/2001	2,424,611	7,148,865	11,067,457	13,696,679	15,649,436	16,318,141	16,984,473	17,688,209	18,367,662	18,621,119	18,927,739
6/30/2002	1,738,921	7,014,860	10,583,859	11,906,687	13,290,893	14,534,324	14,698,021	15,010,727	15,134,724	15,279,596	15,341,028
6/30/2003	1,745,309	4,480,854	6,646,035	9,831,490	10,754,644	11,558,578	11,757,091	12,291,335	12,631,786	12,717,016	12,778,714
6/30/2004	1,726,055	4,986,475	9,495,979	14,932,601	22,173,610	25,430,156	21,568,977	21,534,266	22,472,730	22,438,782	23,821,292
6/30/2005	2,208,017	4,666,481	10,875,284	13,192,951	15,429,692	16,377,296	16,652,408	16,819,592	17,232,695	18,465,309	18,478,285
6/30/2006	1,364,578	4,852,370	10,390,293	15,468,923	17,533,549	19,015,991	19,616,769	19,754,319	20,149,501	20,002,834	20,225,405
6/30/2007	2,213,878	4,546,226	7,340,527	9,381,019	11,099,011	12,885,263	13,709,313	14,459,431	14,567,936	14,604,831	14,576,022
6/30/2008	1,773,240	5,291,114	10,850,800	12,393,434	13,828,563	14,976,900	15,365,496	16,117,375	16,388,736	16,464,653	16,512,562
6/30/2009	1,228,810	3,241,040	7,499,546	12,510,632	13,777,070	15,190,952	16,408,773	16,739,508	17,660,345	18,254,031	
6/30/2010	1,817,135	5,384,659	9,393,463	11,672,672	13,875,869	14,195,201	14,662,193	14,770,048	15,163,669		
6/30/2011	1,003,055	3,427,154	10,114,693	14,749,293	17,752,769	19,696,003	21,974,640	21,774,022			
6/30/2012	1,091,965	4,145,249	8,274,879	12,660,205	12,974,691	14,294,615	14,990,446				
6/30/2013	1,982,491	4,531,144	9,439,787	11,799,690	13,141,999	13,567,704					
6/30/2014	1,908,027	5,549,273	9,707,596	11,599,787	16,271,752						
6/30/2015	2,777,030	5,207,828	8,683,688	12,383,890							
6/30/2016	1,940,446	6,103,017	8,495,629								
6/30/2017	1,164,161	3,628,712									
6/30/2018	3,566,353										

<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>
6/30/1999	26,676,588	26,723,979	26,711,216	26,711,216	26,711,216	26,711,216	26,711,216	26,711,216	26,711,216
6/30/2000	18,605,565	18,622,272	18,632,146	18,633,560	18,654,190	18,656,430	18,641,665	18,641,676	
6/30/2001	19,145,952	19,376,299	20,684,592	19,643,303	20,544,293	20,458,752	20,508,740		
6/30/2002	15,396,481	15,436,344	15,576,712	15,617,955	15,628,961	15,628,961			
6/30/2003	12,920,483	12,913,094	12,913,094	12,913,094	12,913,100				
6/30/2004	23,557,933	23,651,386	24,244,165	24,244,165					
6/30/2005	18,542,587	18,556,855	18,564,193						
6/30/2006	20,289,801	20,290,819							
6/30/2007	14,576,133								

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

A.Y.E.	Increments												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/1999	3,558,379	4,019,606	3,818,978	2,624,239	4,127,649	2,434,889	1,949,618	404,054	554,768	527,352	328,037	47,391	-12,763
6/30/2000	2,777,138	3,147,795	2,944,787	1,012,856	1,349,772	730,376	633,533	1,726,693	997,846	425,445	211,004	16,707	9,874
6/30/2001	4,724,254	3,918,592	2,629,222	1,952,757	668,705	666,332	703,736	679,453	253,457	306,620	218,213	230,347	1,308,293
6/30/2002	5,275,939	3,568,999	1,322,828	1,384,206	1,243,431	163,697	312,706	123,997	144,872	61,432	55,453	39,863	140,368
6/30/2003	2,735,545	2,165,181	3,185,455	923,154	803,934	198,513	534,244	340,451	85,230	61,698	141,769	-7,389	0
6/30/2004	3,260,420	4,509,504	5,436,622	7,241,009	3,256,546	-3,861,179	-34,711	938,464	-33,948	1,382,510	-263,359	93,453	592,779
6/30/2005	2,458,464	6,208,803	2,317,667	2,236,741	947,604	275,112	167,184	413,103	1,232,614	12,976	64,302	14,268	7,338
6/30/2006	3,487,792	5,537,923	5,078,630	2,064,626	1,482,442	600,778	137,550	395,182	-146,667	222,571	64,396	1,018	
6/30/2007	2,332,348	2,794,301	2,040,492	1,717,992	1,786,252	824,050	750,118	108,505	36,895	-28,809	111		
6/30/2008	3,517,874	5,559,686	1,542,634	1,435,129	1,148,337	388,596	751,879	271,361	75,917	47,909			
6/30/2009	2,012,230	4,258,506	5,011,086	1,266,438	1,413,882	1,217,821	330,735	920,837	593,686				
6/30/2010	3,567,524	4,008,804	2,279,209	2,203,197	319,332	466,992	107,855	393,621					
6/30/2011	2,424,099	6,687,539	4,634,600	3,003,476	1,943,234	2,278,637	-200,618						
6/30/2012	3,053,284	4,129,630	4,385,326	314,486	1,319,924	695,831							
6/30/2013	2,548,653	4,908,643	2,359,903	1,342,309	425,705								
6/30/2014	3,641,246	4,158,323	1,892,191	4,671,965									
6/30/2015	2,430,798	3,475,860	3,700,202										
6/30/2016	4,162,571	2,392,612											
6/30/2017	2,464,551												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1999	0.1461	0.1650	0.1568	0.1077	0.1694	0.1000	0.0800	0.0166	0.0228	0.0216	0.0135	0.0019	-0.0005
6/30/2000	0.0999	0.1132	0.1059	0.0364	0.0486	0.0263	0.0228	0.0621	0.0359	0.0153	0.0076	0.0006	0.0004
6/30/2001	0.1647	0.1366	0.0917	0.0681	0.0233	0.0232	0.0245	0.0237	0.0088	0.0107	0.0076	0.0080	0.0456
6/30/2002	0.2233	0.1510	0.0560	0.0586	0.0526	0.0069	0.0132	0.0052	0.0061	0.0026	0.0023	0.0017	0.0059
6/30/2003	0.1405	0.1112	0.1636	0.0474	0.0413	0.0102	0.0274	0.0175	0.0044	0.0032	0.0073	-0.0004	0.0000
6/30/2004	0.1117	0.1545	0.1862	0.2480	0.1115	-0.1323	-0.0012	0.0321	-0.0012	0.0474	-0.0090	0.0032	0.0203
6/30/2005	0.0956	0.2414	0.0901	0.0870	0.0368	0.0107	0.0065	0.0161	0.0479	0.0005	0.0025	0.0006	0.0003
6/30/2006	0.1162	0.1845	0.1692	0.0688	0.0494	0.0200	0.0046	0.0132	-0.0049	0.0074	0.0021	0.0000	
6/30/2007	0.0912	0.1093	0.0798	0.0672	0.0699	0.0322	0.0293	0.0042	0.0014	-0.0011	0.0000		
6/30/2008	0.1802	0.2848	0.0790	0.0735	0.0588	0.0199	0.0385	0.0139	0.0039	0.0025			
6/30/2009	0.1155	0.2445	0.2877	0.0727	0.0812	0.0699	0.0190	0.0529	0.0341				
6/30/2010	0.1972	0.2216	0.1260	0.1218	0.0177	0.0258	0.0060	0.0218					
6/30/2011	0.1516	0.4184	0.2899	0.1879	0.1216	0.1425	-0.0126						
6/30/2012	0.2085	0.2820	0.2994	0.0215	0.0901	0.0475							
6/30/2013	0.1723	0.3319	0.1596	0.0908	0.0288								
6/30/2014	0.2027	0.2315	0.1053	0.2601									
6/30/2015	0.0991	0.1418	0.1509										
6/30/2016	0.2031	0.1167											
6/30/2017	0.1453												

Best 3/5	0.1735	0.2184	0.2001	0.1335	0.0667	0.0477	0.0181	0.0163	0.0131	0.0035	0.0016	0.0008	0.0088
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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:

<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>
6/30/1999	265,776,619	354,640,859	408,850,659	417,007,795	411,487,514	409,702,734	405,908,438	402,553,225	402,635,610	402,324,876	402,249,587
6/30/2000	264,701,100	360,293,030	405,283,001	411,555,112	411,805,350	407,320,073	401,240,200	398,919,452	398,288,309	398,127,265	397,992,079
6/30/2001	259,866,565	337,495,356	375,650,614	393,433,112	392,855,687	384,938,829	382,662,515	380,141,884	379,266,202	378,220,534	377,983,027
6/30/2002	236,748,991	294,211,984	348,638,274	359,821,206	355,438,679	351,196,583	347,883,397	347,350,373	346,915,946	346,340,868	346,843,691
6/30/2003	242,596,421	325,298,958	385,571,329	390,687,563	381,667,112	374,958,072	372,655,569	369,839,718	368,417,586	368,158,687	368,076,268
6/30/2004	271,171,191	360,421,350	388,676,185	393,973,786	389,382,654	385,054,872	382,390,024	380,900,165	380,586,666	380,050,005	379,812,778
6/30/2005	281,581,307	328,224,472	370,991,224	375,234,681	375,133,659	369,369,272	367,087,066	365,943,263	364,455,673	364,971,921	365,138,763
6/30/2006	260,559,241	340,670,144	379,911,564	391,189,935	385,490,359	378,314,782	374,840,489	373,741,439	373,231,901	373,108,662	372,758,548
6/30/2007	289,087,847	369,240,644	410,488,982	416,125,506	408,718,063	402,360,153	399,387,480	397,652,121	396,529,553	396,615,318	396,509,381
6/30/2008	308,799,897	385,768,551	431,589,562	436,240,228	429,028,774	423,071,887	420,780,844	419,140,184	418,991,694	418,259,484	418,074,724
6/30/2009	322,828,490	410,262,593	453,130,876	452,261,417	445,063,340	442,041,443	438,325,222	436,168,829	435,203,463	434,835,691	
6/30/2010	344,304,692	432,643,072	483,040,469	484,765,380	477,978,749	472,933,981	469,737,651	468,091,305	467,307,650		
6/30/2011	371,406,074	468,102,258	519,548,413	527,413,155	519,127,861	513,707,668	509,816,935	507,751,142			
6/30/2012	317,567,050	404,562,760	451,194,247	450,759,321	448,351,635	444,389,955	443,096,985				
6/30/2013	321,601,433	407,347,514	442,827,794	449,481,229	450,423,253	448,446,202					
6/30/2014	355,147,546	451,394,642	513,904,872	546,548,170	546,272,338						
6/30/2015	317,071,384	429,957,402	515,518,922	543,899,067							
6/30/2016	302,051,651		501,801,008								
6/30/2017	331,479,022	459,629,251									
6/30/2018	373,737,111										

  

<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>
6/30/1999	402,914,164	403,148,050	404,773,634	405,321,136	405,113,309	403,494,399	403,261,089	403,234,291	403,229,540
6/30/2000	398,273,395	398,195,568	397,984,146	398,360,499	397,974,046	397,906,497	397,947,683	397,857,862	
6/30/2001	378,264,945	378,304,156	378,777,657	379,145,897	379,342,120	379,168,697	379,214,026		
6/30/2002	346,405,822	346,703,240	347,155,312	346,708,563	346,903,134	346,933,166			
6/30/2003	368,111,350	368,203,835	368,333,943	368,301,677	368,300,032				
6/30/2004	380,014,197	379,957,437	379,975,879	379,867,933					
6/30/2005	365,008,068	365,223,018	365,560,536						
6/30/2006	372,510,098	372,288,240							
6/30/2007	396,346,058								



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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1999	1.334	1.153	1.020	0.987	0.996	0.991	0.992	1.000	0.999	1.000	1.002
6/30/2000	1.361	1.125	1.015	1.001	0.989	0.985	0.994	0.998	1.000	1.000	1.001
6/30/2001	1.299	1.113	1.047	0.999	0.980	0.994	0.993	0.998	0.997	0.999	1.001
6/30/2002	1.243	1.185	1.032	0.988	0.988	0.991	0.998	0.999	0.998	1.001	0.999
6/30/2003	1.341	1.185	1.013	0.977	0.982	0.994	0.992	0.996	0.999	1.000	1.000
6/30/2004	1.329	1.078	1.014	0.988	0.989	0.993	0.996	0.999	0.999	0.999	1.001
6/30/2005	1.166	1.130	1.011	1.000	0.985	0.994	0.997	0.996	1.001	1.000	1.000
6/30/2006	1.307	1.115	1.030	0.985	0.981	0.991	0.997	0.999	1.000	0.999	0.999
6/30/2007	1.277	1.112	1.014	0.982	0.984	0.993	0.996	0.997	1.000	1.000	1.000
6/30/2008	1.249	1.119	1.011	0.983	0.986	0.995	0.996	1.000	0.998	1.000	
6/30/2009	1.271	1.104	0.998	0.984	0.993	0.992	0.995	0.998	0.999		
6/30/2010	1.257	1.116	1.004	0.986	0.989	0.993	0.996	0.998			
6/30/2011	1.260	1.110	1.015	0.984	0.990	0.992	0.996				
6/30/2012	1.274	1.115	0.999	0.995	0.991	0.997					
6/30/2013	1.267	1.087	1.015	1.002	0.996						
6/30/2014	1.271	1.138	1.064	0.999							
6/30/2015	1.356	1.199	1.055								
6/30/2016	1.403	1.184									
6/30/2017	1.387										

3 Yr Mean 1.382 1.174 1.045 0.999 0.992 0.994 0.996 0.999 0.999 1.000 1.000

Best 3/5 1.338 1.146 1.028 0.993 0.991 0.993 0.996 0.998 1.000 1.000 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	1.001	1.004	1.001	0.999	0.996	0.999	1.000	1.000			
6/30/2000	1.000	0.999	1.001	0.999	1.000	1.000	1.000	1.000 *			
6/30/2001	1.000	1.001	1.001	1.001	1.000	1.000	1.000 *	1.000 *			
6/30/2002	1.001	1.001	0.999	1.001	1.000	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								
6/30/2005	1.001	1.001									
6/30/2006	0.999										

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

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

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2014					0.991	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2015				0.993	0.991	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2016			1.028	0.993	0.991	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2017		1.146	1.028	0.993	0.991	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2018	1.338	1.146	1.028	0.993	0.991	0.993	0.996	0.998	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2014	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.979
6/30/2015	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.972
6/30/2016	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.145
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.533

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

<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>
6/30/1999	10,187,718	13,065,672	15,507,178	16,791,768	16,768,693	16,262,054	16,328,171	16,952,451	16,423,029	16,582,326	16,519,827
6/30/2000	10,315,250	15,773,833	18,523,223	17,562,558	16,736,120	17,144,903	17,129,199	16,704,132	16,658,686	16,643,685	16,624,935
6/30/2001	13,977,210	20,796,649	24,339,109	24,655,137	24,189,973	24,812,009	24,693,837	24,519,673	24,535,614	24,455,207	24,555,206
6/30/2002	14,032,038	20,135,182	20,448,154	20,477,178	21,221,964	20,865,776	21,058,664	20,787,909	20,954,434	20,864,221	20,864,220
6/30/2003	17,805,703	19,874,088	22,480,767	23,561,150	23,860,469	23,379,486	23,107,377	22,910,185	22,835,342	22,863,383	22,979,104
6/30/2004	18,997,499	27,250,262	25,843,206	28,032,736	26,758,110	25,897,117	25,164,852	25,052,105	24,986,379	25,147,913	25,179,786
6/30/2005	16,070,150	25,386,668	25,924,175	23,928,839	22,273,239	21,483,194	21,071,047	20,871,113	20,866,113	20,750,139	20,750,136
6/30/2006	15,776,335	19,891,740	22,651,492	22,301,114	21,916,905	21,810,622	21,991,815	22,041,925	22,159,323	22,081,117	22,151,117
6/30/2007	15,893,417	21,511,978	24,606,791	25,249,325	24,498,549	23,922,689	23,641,221	23,748,763	23,738,559	23,739,058	23,694,058
6/30/2008	18,281,179	22,541,064	25,371,379	25,551,760	25,296,769	24,757,983	24,817,854	24,628,137	24,479,802	24,469,616	24,389,329
6/30/2009	17,149,939	20,983,647	21,779,656	23,565,199	22,931,172	22,611,223	22,637,451	22,490,615	22,525,837	22,494,983	
6/30/2010	13,542,401	14,300,352	17,060,322	17,860,288	18,498,129	18,139,246	18,097,841	17,962,857	17,978,104		
6/30/2011	11,889,908	16,665,725	19,061,883	19,778,237	19,513,299	19,331,773	19,076,905	19,067,040			
6/30/2012	12,253,698	16,061,733	17,516,915	17,681,809	17,896,417	17,645,777	17,965,154				
6/30/2013	12,581,210	15,971,861	17,560,175	18,145,933	18,495,603	18,500,025					
6/30/2014	15,174,344	18,582,003	21,635,792	23,089,490	23,565,048						
6/30/2015	15,688,931	21,552,523	25,329,072	28,875,165							
6/30/2016	17,585,444	22,461,494	28,383,835								
6/30/2017	15,191,607	24,269,350									
6/30/2018	18,588,056										
<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>		
6/30/1999	16,481,229	16,481,228	16,481,228	16,579,228	16,579,228	16,579,228	16,579,228	16,587,838	16,579,228		
6/30/2000	16,624,935	16,625,185	16,825,185	16,825,185	16,820,185	16,820,185	16,820,185	16,921,185	16,921,185		
6/30/2001	24,535,457	24,540,457	24,540,456	24,440,456	24,440,456	24,440,456	24,540,456	24,540,458			
6/30/2002	20,914,219	21,069,718	21,056,179	21,281,718	21,326,381	21,326,772					
6/30/2003	22,905,155	22,898,787	22,892,094	22,892,094	22,908,094						
6/30/2004	25,155,976	25,178,477	25,228,476	25,228,476							
6/30/2005	20,755,136	20,750,136	20,750,161								
6/30/2006	22,051,117	22,151,117									
6/30/2007	23,576,888										

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

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1999	1.282	1.187	1.083	0.999	0.970	1.004	1.038	0.969	1.010	0.996	0.998
6/30/2000	1.529	1.174	0.948	0.953	1.024	0.999	0.975	0.997	0.999	0.999	1.000
6/30/2001	1.488	1.170	1.013	0.981	1.026	0.995	0.993	1.001	0.997	1.004	0.999
6/30/2002	1.435	1.016	1.001	1.036	0.983	1.009	0.987	1.008	0.996	1.000	1.002
6/30/2003	1.116	1.131	1.048	1.013	0.980	0.988	0.991	0.997	1.001	1.005	0.997
6/30/2004	1.434	0.948	1.085	0.955	0.968	0.972	0.996	0.997	1.006	1.001	0.999
6/30/2005	1.580	1.021	0.923	0.931	0.965	0.981	0.991	1.000	0.994	1.000	1.000
6/30/2006	1.261	1.139	0.985	0.983	0.995	1.008	1.002	1.005	0.996	1.003	0.995
6/30/2007	1.354	1.144	1.026	0.970	0.976	0.988	1.005	1.000	1.000	0.998	0.995
6/30/2008	1.233	1.126	1.007	0.990	0.979	1.002	0.992	0.994	1.000	0.997	
6/30/2009	1.224	1.038	1.082	0.973	0.986	1.001	0.994	1.002	0.999		
6/30/2010	1.056	1.193	1.047	1.036	0.981	0.998	0.993	1.001			
6/30/2011	1.402	1.144	1.038	0.987	0.991	0.987	0.999				
6/30/2012	1.311	1.091	1.009	1.012	0.986	1.018					
6/30/2013	1.270	1.099	1.033	1.019	1.000						
6/30/2014	1.225	1.164	1.067	1.021							
6/30/2015	1.374	1.175	1.140								
6/30/2016	1.277	1.264									
6/30/2017	1.598										

3 Yr Mean	1.416	1.201	1.080	1.017	0.992	1.001	0.995	0.999	1.000	0.999	0.997
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Best 3/5	1.307	1.146	1.046	1.017	0.988	1.000	0.995	1.001	0.998	1.000	0.997
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	1.000	1.000	1.006	1.000	1.000	1.000	1.001	0.999			
6/30/2000	1.000	1.012	1.000	1.000	1.000	1.006	1.000	1.000 *			
6/30/2001	1.000	1.000	0.996	1.000	1.004	1.000	1.000 *	1.000 *			
6/30/2002	1.007	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								
6/30/2005	1.000	1.000									
6/30/2006	1.005										

3 Yr Mean	1.002	1.001	1.004	1.001	1.001 @	1.002 @	1.001 @	0.999 @			
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Best 3/5	1.002	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
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A.Y.E.	15/ 27	27/ 39	39/ 51	Development From		63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2014						0.988	1.000	0.995	1.001	0.998	1.000	0.997
6/30/2015						1.017	0.988	1.000	0.995	1.001	0.998	0.997
6/30/2016			1.046			0.988	1.000	0.995	1.001	0.998	1.000	0.997
6/30/2017		1.146	1.046	1.017		0.988	1.000	0.995	1.001	0.998	1.000	0.997
6/30/2018	1.307	1.146	1.046	1.017		0.988	1.000	0.995	1.001	0.998	1.000	0.997

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS	
6/30/2014	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.981	
6/30/2015	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.998	
6/30/2016	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.044	
6/30/2017	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.196	
6/30/2018	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.563	

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/1999	33,103,760	67,456,378	103,824,915	120,068,343	129,449,860	137,020,582	138,644,616	143,694,936	145,028,531	146,571,749	149,336,106
6/30/2000	33,891,496	68,611,654	100,394,172	123,304,653	135,316,563	141,041,891	145,696,646	147,748,339	150,155,054	151,469,063	151,676,971
6/30/2001	38,279,048	69,008,389	101,576,617	123,564,557	138,152,648	149,189,211	152,421,388	154,693,960	156,279,265	159,090,189	160,550,868
6/30/2002	37,092,759	61,897,990	101,868,537	124,300,674	143,712,241	149,528,846	155,032,573	157,615,835	158,349,239	160,020,708	159,964,605
6/30/2003	37,615,775	71,378,236	109,970,166	144,111,003	159,606,765	164,752,226	168,723,005	170,296,960	172,072,917	173,489,783	173,595,550
6/30/2004	36,202,818	71,493,657	115,532,164	143,863,301	153,115,194	159,467,031	161,548,204	163,192,725	164,096,888	165,408,987	166,222,769
6/30/2005	33,843,251	70,622,251	114,844,335	143,561,722	157,109,731	163,549,781	166,981,436	169,941,031	171,279,852	172,899,529	173,382,369
6/30/2006	28,287,758	70,566,972	113,047,542	144,675,779	157,477,861	164,916,415	169,470,678	169,109,377	170,730,409	172,218,180	172,850,145
6/30/2007	31,029,675	74,601,403	118,538,861	153,107,615	168,999,133	175,798,232	178,489,146	180,011,964	183,280,473	184,103,292	184,698,042
6/30/2008	31,098,586	75,580,666	133,615,352	174,508,283	194,800,918	204,340,120	208,441,631	211,062,499	212,246,696	211,227,811	212,056,966
6/30/2009	37,113,542	84,036,418	137,373,952	181,897,991	198,905,331	207,497,717	211,996,555	215,764,682	217,954,333	218,487,160	
6/30/2010	43,968,991	93,663,794	154,741,479	190,142,476	208,583,120	219,368,962	223,171,974	224,522,297	227,522,781		
6/30/2011	48,670,872	105,720,042	171,916,729	214,905,098	234,465,822	243,297,308	248,054,213	249,951,165			
6/30/2012	44,226,689	94,780,536	156,116,611	197,300,903	220,515,019	230,370,778	235,578,694				
6/30/2013	45,188,102	99,041,546	157,065,266	204,223,673	229,568,984	236,953,609					
6/30/2014	54,083,092	117,211,137	189,076,134	243,680,410	267,734,429						
6/30/2015	48,070,025	109,903,872	182,070,995	232,472,547							
6/30/2016	48,540,710	113,217,096	184,377,019								
6/30/2017	47,285,263	104,275,924									
6/30/2018	50,860,222										

<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>
6/30/1999	149,463,376	150,785,736	151,903,594	152,613,931	153,510,516	153,359,217	153,325,508	153,330,126	153,608,084
6/30/2000	153,852,228	154,638,112	154,624,899	154,945,531	156,259,427	155,811,754	155,886,928	156,782,261	
6/30/2001	160,527,457	161,542,572	163,082,727	165,067,398	165,575,086	165,696,244	165,703,849		
6/30/2002	160,930,006	162,491,394	162,583,229	163,269,954	163,393,871	163,756,892			
6/30/2003	174,603,886	175,228,420	175,685,408	175,583,279	175,998,623				
6/30/2004	166,815,902	167,648,845	167,995,260	168,653,144					
6/30/2005	173,216,644	174,005,161	176,029,607						
6/30/2006	173,685,084	173,793,462							
6/30/2007	184,613,181								

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
6/30/1999	34,352,618	36,368,537	16,243,428	9,381,517	7,570,722	1,624,034	5,050,320	1,333,595	1,543,218	2,764,357	127,270	1,322,360	1,117,858
6/30/2000	34,720,158	31,782,518	22,910,481	12,011,910	5,725,328	4,654,755	2,051,693	2,406,715	1,314,009	207,908	2,175,257	785,884	-13,213
6/30/2001	30,729,341	32,568,228	21,987,940	14,588,091	11,036,563	3,232,177	2,272,572	1,585,305	2,810,924	1,460,679	-23,411	1,015,115	1,540,155
6/30/2002	24,805,231	39,970,547	22,432,137	19,411,567	5,816,605	5,503,727	2,583,262	733,404	1,671,469	-56,103	965,401	1,561,388	91,835
6/30/2003	33,762,461	38,591,930	34,140,837	15,495,762	5,145,461	3,970,779	1,573,955	1,775,957	1,416,866	105,767	1,008,336	624,534	456,988
6/30/2004	35,290,839	44,038,507	28,331,137	9,251,893	6,351,837	2,081,173	1,644,521	904,163	1,312,099	813,782	593,133	832,943	346,415
6/30/2005	36,779,000	44,222,084	28,717,387	13,548,009	6,440,050	3,431,655	2,959,595	1,338,821	1,619,677	482,840	-165,725	788,517	2,024,446
6/30/2006	42,279,214	42,480,570	31,628,237	12,802,082	7,438,554	4,554,263	-361,301	1,621,032	1,487,771	631,965	834,939	108,378	
6/30/2007	43,571,728	43,937,458	34,568,754	15,891,518	6,799,099	2,690,914	1,522,818	3,268,509	822,819	594,750	-84,861		
6/30/2008	44,482,080	58,034,686	40,892,931	20,292,635	9,539,202	4,101,511	2,620,868	1,184,197	-1,018,885	829,155			
6/30/2009	46,922,876	53,337,534	44,524,039	17,007,340	8,592,386	4,498,838	3,768,127	2,189,651	532,827				
6/30/2010	49,694,803	61,077,685	35,400,997	18,440,644	10,785,842	3,803,012	1,350,323	3,000,484					
6/30/2011	57,049,170	66,196,687	42,988,369	19,560,724	8,831,486	4,756,905	1,896,952						
6/30/2012	50,553,847	61,336,075	41,184,292	23,214,116	9,855,759	5,207,916							
6/30/2013	53,853,444	58,023,720	47,158,407	25,345,311	7,384,625								
6/30/2014	63,128,045	71,864,997	54,604,276	24,054,019									
6/30/2015	61,833,847	72,167,123	50,401,552										
6/30/2016	64,676,386	71,159,923											
6/30/2017	56,990,661												

	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
6/30/1999	0.0610	0.0645	0.0288	0.0166	0.0134	0.0029	0.0090	0.0024	0.0027	0.0049	0.0002	0.0023	0.0020
6/30/2000	0.0627	0.0574	0.0414	0.0217	0.0103	0.0084	0.0037	0.0043	0.0024	0.0004	0.0039	0.0014	0.0000
6/30/2001	0.0563	0.0596	0.0403	0.0267	0.0202	0.0059	0.0042	0.0029	0.0051	0.0027	0.0000	0.0019	0.0028
6/30/2002	0.0483	0.0779	0.0437	0.0378	0.0113	0.0107	0.0050	0.0014	0.0033	-0.0001	0.0019	0.0030	0.0002
6/30/2003	0.0624	0.0713	0.0631	0.0286	0.0095	0.0073	0.0029	0.0033	0.0026	0.0002	0.0019	0.0012	0.0008
6/30/2004	0.0642	0.0801	0.0515	0.0168	0.0115	0.0038	0.0030	0.0016	0.0024	0.0015	0.0011	0.0015	0.0006
6/30/2005	0.0675	0.0812	0.0527	0.0249	0.0118	0.0063	0.0054	0.0025	0.0030	0.0009	-0.0003	0.0014	0.0037
6/30/2006	0.0764	0.0767	0.0571	0.0231	0.0134	0.0082	-0.0007	0.0029	0.0027	0.0011	0.0015	0.0002	
6/30/2007	0.0726	0.0732	0.0576	0.0265	0.0113	0.0045	0.0025	0.0054	0.0014	0.0010	-0.0001		
6/30/2008	0.0692	0.0902	0.0636	0.0316	0.0148	0.0064	0.0041	0.0018	-0.0016	0.0013			
6/30/2009	0.0708	0.0805	0.0672	0.0257	0.0130	0.0068	0.0057	0.0033	0.0008				
6/30/2010	0.0691	0.0849	0.0492	0.0256	0.0150	0.0053	0.0019	0.0042					
6/30/2011	0.0741	0.0860	0.0558	0.0254	0.0115	0.0062	0.0025						
6/30/2012	0.0711	0.0863	0.0579	0.0327	0.0139	0.0073							
6/30/2013	0.0756	0.0815	0.0662	0.0356	0.0104								
6/30/2014	0.0730	0.0831	0.0631	0.0278									
6/30/2015	0.0725	0.0846	0.0591										
6/30/2016	0.0769	0.0846											
6/30/2017	0.0668												

Best 3/5	0.0737	0.0841	0.0601	0.0287	0.0128	0.0064	0.0030	0.0035	0.0016	0.0011	0.0008	0.0014	0.0014
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
MULTISTATE  
PROPERTY DAMAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/1999	42,024,111	47,824,085	53,508,528	50,525,445	52,728,779	51,906,972	51,148,296	50,707,319	51,248,301	51,434,737	51,516,951
6/30/2000	46,254,366	56,635,730	52,947,371	55,216,621	54,487,586	54,629,270	54,500,945	54,297,386	54,538,632	54,989,054	55,079,902
6/30/2001	42,463,643	42,699,221	48,627,642	49,230,760	50,041,636	49,648,506	50,104,098	50,348,326	50,762,519	51,369,516	51,868,987
6/30/2002	34,857,462	40,384,962	41,687,376	43,206,007	43,804,080	44,433,815	45,212,200	45,381,997	45,801,618	45,969,404	46,289,400
6/30/2003	35,643,064	37,830,121	40,544,794	40,164,132	42,712,934	42,904,664	42,892,913	43,226,378	42,729,338	43,225,997	43,563,220
6/30/2004	32,769,384	37,241,138	38,629,914	40,110,462	41,876,245	42,296,683	42,265,287	42,464,290	42,454,942	42,666,277	42,729,574
6/30/2005	32,366,326	33,996,631	37,352,272	38,532,050	39,357,717	39,662,315	39,806,474	40,014,506	40,421,339	40,930,045	40,749,550
6/30/2006	31,004,820	33,894,256	35,711,245	36,276,917	36,685,530	37,780,950	38,423,121	38,559,023	38,681,165	38,462,260	38,568,300
6/30/2007	33,155,573	36,728,987	39,024,630	39,640,659	40,191,118	40,317,900	40,495,492	41,211,059	41,951,217	41,863,505	41,959,306
6/30/2008	38,672,922	43,131,023	44,467,422	44,460,744	45,129,934	46,232,724	46,975,117	47,239,295	47,484,919	47,527,169	47,598,542
6/30/2009	40,468,120	41,846,249	43,878,150	44,169,780	44,169,851	44,584,047	44,487,262	44,399,996	44,594,033	44,895,278	
6/30/2010	40,293,230	45,116,674	47,599,602	48,458,973	49,319,560	49,485,476	49,510,466	49,407,039	49,714,567		
6/30/2011	47,337,581	51,177,881	51,985,690	52,612,747	52,511,277	52,898,313	53,209,877	53,729,142			
6/30/2012	45,683,874	49,289,141	51,198,277	51,590,643	51,990,125	52,191,325	53,058,242				
6/30/2013	42,695,024	47,038,118	48,952,481	50,558,061	51,121,547	51,969,611					
6/30/2014	50,522,502	53,111,982	54,402,005	56,397,957	57,078,785						
6/30/2015	48,497,773	52,401,630	54,166,756	57,348,055							
6/30/2016	41,057,622	46,125,828	52,132,521								
6/30/2017	45,461,904	52,431,262									
6/30/2018	46,509,159										
<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>		
6/30/1999	51,567,258	51,617,733	51,587,174	51,632,220	51,840,211	52,068,603	52,155,899	52,362,278	52,380,278		
6/30/2000	54,820,558	54,794,529	54,932,113	55,103,544	55,128,002	55,113,040	55,467,703	55,308,749			
6/30/2001	52,071,474	52,215,889	52,329,535	52,328,210	52,454,815	52,588,312	52,560,069				
6/30/2002	46,575,360	46,403,193	46,323,870	46,552,813	46,595,959	46,703,394					
6/30/2003	43,553,290	43,633,564	43,711,575	43,752,582	43,768,832						
6/30/2004	43,034,775	43,138,842	43,114,248	43,202,951							
6/30/2005	40,687,014	40,570,471	40,473,050								
6/30/2006	38,641,990	38,531,302									
6/30/2007	41,805,828										

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
6/30/1999	1.138	1.119	0.944	1.044	0.984	0.985	0.991	1.011	1.004	1.002	1.001
6/30/2000	1.224	0.935	1.043	0.987	1.003	0.998	0.996	1.004	1.008	1.002	0.995
6/30/2001	1.006	1.139	1.012	1.016	0.992	1.009	1.005	1.008	1.012	1.010	1.004
6/30/2002	1.159	1.032	1.036	1.014	1.014	1.018	1.004	1.009	1.004	1.007	1.006
6/30/2003	1.061	1.072	0.991	1.063	1.004	1.000	1.008	0.989	1.012	1.008	1.000
6/30/2004	1.136	1.037	1.038	1.044	1.010	0.999	1.005	1.000	1.005	1.001	1.007
6/30/2005	1.050	1.099	1.032	1.021	1.008	1.004	1.005	1.010	1.013	0.996	0.998
6/30/2006	1.093	1.054	1.016	1.011	1.030	1.017	1.004	1.003	0.994	1.003	1.002
6/30/2007	1.108	1.063	1.016	1.014	1.003	1.004	1.018	1.018	0.998	1.002	0.996
6/30/2008	1.115	1.031	1.000	1.015	1.024	1.016	1.006	1.005	1.001	1.002	
6/30/2009	1.034	1.049	1.007	1.000	1.009	0.998	0.998	1.004	1.007		
6/30/2010	1.120	1.055	1.018	1.018	1.003	1.001	0.998	1.006			
6/30/2011	1.081	1.016	1.012	0.998	1.007	1.006	1.010				
6/30/2012	1.079	1.039	1.008	1.008	1.004	1.017					
6/30/2013	1.102	1.041	1.033	1.011	1.017						
6/30/2014	1.051	1.024	1.037	1.012							
6/30/2015	1.080	1.034	1.059								
6/30/2016	1.123	1.130									
6/30/2017	1.153										

3 Yr Mean	1.119	1.063	1.043	1.010	1.009	1.008	1.002	1.005	1.002	1.002	0.999
Best 3/5	1.102	1.038	1.027	1.010	1.007	1.008	1.005	1.005	1.002	1.002	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	1.001	0.999	1.001	1.004	1.004	1.002	1.004	1.000			
6/30/2000	1.000	1.003	1.003	1.000	1.000	1.006	0.997	1.002 *			
6/30/2001	1.003	1.002	1.000	1.002	1.003	0.999	1.002 *	1.002 *			
6/30/2002	0.996	0.998	1.005	1.001	1.002	1.002 *	1.002 *	1.002 *			
6/30/2003	1.002	1.002	1.001	1.000	1.001 *	1.002 *	1.002 *	1.002 *			
6/30/2004	1.002	0.999	1.002								
6/30/2005	0.997	0.998									
6/30/2006	0.997										

3 Yr Mean	0.999	1.000	1.003	1.001	1.002 @	1.002 @	1.001 @	1.000 @			
Best 3/5	0.999	1.000	1.002	1.001	1.002 *	1.002 *	1.002 *	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
6/30/2014					1.007	1.008	1.005	1.005	1.002	1.002	1.000
6/30/2015				1.010	1.007	1.008	1.005	1.005	1.002	1.002	1.000
6/30/2016			1.027	1.010	1.007	1.008	1.005	1.005	1.002	1.002	1.000
6/30/2017		1.038	1.027	1.010	1.007	1.008	1.005	1.005	1.002	1.002	1.000
6/30/2018	1.102	1.038	1.027	1.010	1.007	1.008	1.005	1.005	1.002	1.002	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/243	243/243	FACTORS
6/30/2014	0.999	1.000	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.048	
6/30/2015	0.999	1.000	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.058	
6/30/2016	0.999	1.000	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.087	
6/30/2017	0.999	1.000	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.128	
6/30/2018	0.999	1.000	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.243	

\* 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:

<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>
6/30/1999	2,333,453	2,169,088	2,448,660	2,607,415	2,604,308	2,533,445	2,594,301	2,796,777	3,021,851	3,144,834	2,982,903
6/30/2000	2,263,768	2,799,756	2,761,156	2,948,197	2,838,707	2,986,005	3,009,897	3,169,338	3,135,449	3,134,969	3,126,644
6/30/2001	2,369,809	2,706,672	3,018,132	3,202,385	3,195,590	3,274,273	3,407,703	3,174,351	3,321,249	3,347,194	3,405,559
6/30/2002	2,012,138	2,303,704	2,266,677	2,379,306	2,483,515	2,594,483	2,540,467	2,474,039	2,568,538	2,568,539	2,575,039
6/30/2003	1,864,830	1,927,946	1,978,636	2,135,664	2,154,282	2,037,736	2,042,363	2,098,078	2,123,195	2,120,345	2,121,345
6/30/2004	2,645,471	2,799,886	3,081,199	3,500,554	3,646,065	3,724,851	3,611,573	3,704,590	3,646,590	3,714,160	3,724,111
6/30/2005	2,718,703	2,726,576	2,699,428	3,091,328	2,984,923	3,143,945	3,013,963	3,140,505	3,154,506	3,148,294	3,144,294
6/30/2006	2,045,260	2,299,046	2,568,919	2,660,526	2,688,256	2,819,942	2,931,641	2,969,738	2,932,697	2,934,920	2,865,554
6/30/2007	2,153,943	2,967,885	3,548,042	3,431,627	3,377,799	3,212,610	3,182,246	3,207,224	3,305,225	3,305,224	3,325,224
6/30/2008	1,849,491	2,353,081	1,960,611	1,949,207	1,913,922	1,940,952	1,904,141	1,896,941	1,898,941	1,899,043	1,920,252
6/30/2009	2,980,944	2,310,384	2,701,393	2,523,058	2,609,519	2,667,745	2,755,667	2,673,246	2,673,245	2,723,245	
6/30/2010	2,230,877	2,278,657	2,235,897	2,392,338	2,468,668	2,586,668	2,637,663	2,586,663	2,685,668		
6/30/2011	1,965,864	2,165,650	2,450,072	2,341,488	2,446,972	2,461,686	2,433,597	2,429,596			
6/30/2012	1,577,685	1,942,276	2,101,983	2,379,778	2,389,517	2,885,875	2,953,229				
6/30/2013	2,000,269	2,248,662	2,351,065	2,248,719	2,490,851	2,457,351					
6/30/2014	2,518,317	2,379,915	2,192,046	2,354,511	2,521,861						
6/30/2015	3,506,081	3,603,031	3,474,314	3,674,375							
6/30/2016	2,739,047	2,843,439	3,390,934								
6/30/2017	2,649,657	3,010,464									
6/30/2018	3,785,120										
<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>		
6/30/1999	2,982,903	2,982,903	2,982,903	3,077,763	3,077,763	3,077,728	3,077,728	3,077,728	3,077,728		
6/30/2000	3,151,169	3,122,044	3,122,044	3,121,944	3,121,944	3,121,944	3,221,944	3,221,944			
6/30/2001	3,400,934	3,401,243	3,251,243	3,276,345	3,301,345	3,390,807	3,390,807				
6/30/2002	2,580,038	2,608,039	2,600,038	2,600,038	2,700,038	2,700,038					
6/30/2003	2,129,845	2,129,845	2,229,845	2,429,845	2,523,176						
6/30/2004	3,824,990	3,826,866	3,834,766	3,825,254							
6/30/2005	3,148,515	3,144,301	3,145,801								
6/30/2006	2,869,319	2,964,509									
6/30/2007	3,357,430										



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
6/30/1999	0.930	1.129	1.065	0.999	0.973	1.024	1.078	1.080	1.041	0.949	1.000
6/30/2000	1.237	0.986	1.068	0.963	1.052	1.008	1.053	0.989	1.000	0.997	1.008
6/30/2001	1.142	1.115	1.061	0.998	1.025	1.041	0.932	1.046	1.008	1.017	0.999
6/30/2002	1.145	0.984	1.050	1.044	1.045	0.979	0.974	1.038	1.000	1.003	1.002
6/30/2003	1.034	1.026	1.079	1.009	0.946	1.002	1.027	1.012	0.999	1.000	1.004
6/30/2004	1.058	1.100	1.136	1.042	1.022	0.970	1.026	0.984	1.019	1.003	1.027
6/30/2005	1.003	0.990	1.145	0.966	1.053	0.959	1.042	1.004	0.998	0.999	1.001
6/30/2006	1.124	1.117	1.036	1.010	1.049	1.040	1.013	0.988	1.001	0.976	1.001
6/30/2007	1.378	1.195	0.967	0.984	0.951	0.991	1.008	1.031	1.000	1.006	1.010
6/30/2008	1.272	0.833	0.994	0.982	1.014	0.981	0.996	1.001	1.000	1.011	
6/30/2009	0.775	1.169	0.934	1.034	1.022	1.033	0.970	1.000	1.019		
6/30/2010	1.021	0.981	1.070	1.032	1.048	1.020	0.981	1.038			
6/30/2011	1.102	1.131	0.956	1.045	1.006	0.989	0.998				
6/30/2012	1.231	1.082	1.132	1.004	1.208	1.023					
6/30/2013	1.124	1.046	0.956	1.108	0.987						
6/30/2014	0.945	0.921	1.074	1.071							
6/30/2015	1.028	0.964	1.058								
6/30/2016	1.038	1.193									
6/30/2017	1.136										

3 Yr Mean      1.067      1.026      1.029      1.061      1.067      1.011      0.983      1.013      1.006      0.998      1.004

Best 3/5      1.063      1.031      1.029      1.049      1.025      1.011      0.992      1.011      1.000      1.003      1.005

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	1.000	1.000	1.032	1.000	1.000	1.000	1.000	1.000			
6/30/2000	0.991	1.000	1.000	1.000	1.000	1.032	1.000	1.000 *			
6/30/2001	1.000	0.956	1.008	1.008	1.027	1.000	1.000 *	1.000 *			
6/30/2002	1.011	0.997	1.000	1.038	1.000	1.002 *	1.000 *	1.000 *			
6/30/2003	1.000	1.047	1.090	1.038	1.015 *	1.002 *	1.000 *	1.000 *			
6/30/2004	1.000	1.002	0.998								
6/30/2005	0.999	1.000									
6/30/2006	1.033										

3 Yr Mean      1.011      1.016      1.029      1.028      1.009 @      1.011 @      1.000 @      1.000 @

Best 3/5      1.004      1.000      1.003      1.015      1.005 \*      1.001 \*      1.000 \*      1.000 \*

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2014					1.025	1.011	0.992	1.011	1.000	1.003	1.005
6/30/2015				1.049	1.025	1.011	0.992	1.011	1.000	1.003	1.005
6/30/2016			1.029	1.049	1.025	1.011	0.992	1.011	1.000	1.003	1.005
6/30/2017		1.031	1.029	1.049	1.025	1.011	0.992	1.011	1.000	1.003	1.005
6/30/2018	1.063	1.031	1.029	1.049	1.025	1.011	0.992	1.011	1.000	1.003	1.005

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2014	1.004	1.000	1.003	1.015	1.005	1.001	1.000	1.000	1.000*	1.077
6/30/2015	1.004	1.000	1.003	1.015	1.005	1.001	1.000	1.000	1.000*	1.130
6/30/2016	1.004	1.000	1.003	1.015	1.005	1.001	1.000	1.000	1.000*	1.163
6/30/2017	1.004	1.000	1.003	1.015	1.005	1.001	1.000	1.000	1.000*	1.199
6/30/2018	1.004	1.000	1.003	1.015	1.005	1.001	1.000	1.000	1.000*	1.274

\* 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>
6/30/1999	3,839,204	9,316,426	13,107,797	14,443,985	17,295,314	18,115,833	19,057,944	20,026,805	20,587,110	21,912,450	23,733,133
6/30/2000	4,737,137	10,801,960	15,763,984	20,485,445	22,357,159	23,951,657	27,770,344	28,270,400	28,405,612	28,900,128	29,432,444
6/30/2001	6,154,248	11,288,495	18,608,873	22,257,470	27,071,628	31,128,564	34,580,491	38,265,206	39,760,866	39,863,969	39,827,271
6/30/2002	3,960,852	8,889,846	11,646,097	17,255,805	21,820,333	29,677,608	33,394,055	36,905,442	38,961,779	39,639,645	40,574,878
6/30/2003	3,565,397	7,554,997	12,213,121	16,601,626	21,595,438	24,005,587	25,606,682	26,399,768	26,805,938	27,334,378	27,630,568
6/30/2004	3,620,354	8,022,582	12,661,634	16,772,767	21,618,835	25,580,460	28,363,892	28,502,348	29,943,199	30,800,231	30,829,167
6/30/2005	3,903,358	7,697,699	13,604,326	17,384,744	20,543,409	22,656,323	23,751,695	24,512,051	25,432,108	27,227,744	27,529,033
6/30/2006	3,026,356	7,207,352	11,735,412	15,805,370	17,726,161	21,778,209	24,620,661	25,702,068	25,959,118	26,391,318	29,501,125
6/30/2007	3,771,025	9,845,929	15,872,486	21,946,285	24,737,840	27,223,052	29,834,729	30,593,454	32,545,896	32,950,827	33,236,338
6/30/2008	4,742,857	10,583,227	16,706,346	22,066,877	26,795,758	29,384,304	30,344,271	31,550,480	32,718,413	33,588,539	34,665,090
6/30/2009	4,395,261	9,230,820	15,936,952	19,747,178	24,211,147	26,102,570	27,502,605	28,746,404	29,654,151	34,279,519	
6/30/2010	5,200,890	11,429,277	18,450,908	24,448,314	28,538,765	30,983,023	33,665,788	34,869,270	35,639,904		
6/30/2011	5,895,768	13,572,736	18,979,108	24,376,762	28,856,226	31,260,002	31,837,194	32,509,081			
6/30/2012	6,751,329	12,668,240	19,895,712	25,188,657	29,486,732	32,367,224	34,478,251				
6/30/2013	6,233,196	12,127,920	19,478,425	27,083,110	29,540,217	30,234,557					
6/30/2014	6,622,104	12,620,518	17,253,879	20,549,750	22,902,457						
6/30/2015	6,746,596	13,101,109	21,028,596	26,235,245							
6/30/2016	6,353,540	12,011,597	20,016,972								
6/30/2017	6,734,724	13,463,810									
6/30/2018	7,230,074										

<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>
6/30/1999	23,926,254	24,751,337	25,173,516	25,072,502	25,193,455	25,213,347	25,280,358	25,280,192	25,213,717
6/30/2000	29,983,522	30,237,878	30,462,546	30,868,050	31,018,632	31,118,874	40,549,012	31,458,057	
6/30/2001	40,332,176	40,586,503	40,581,909	40,609,841	40,633,385	40,668,854	40,667,365		
6/30/2002	41,363,714	41,461,832	41,446,530	41,648,403	41,693,533	41,715,588			
6/30/2003	27,666,475	27,736,998	27,687,444	28,037,986	28,082,720				
6/30/2004	31,678,426	31,748,396	31,809,599	31,710,677					
6/30/2005	27,462,317	27,786,081	28,006,893						
6/30/2006	29,869,034	29,745,641							
6/30/2007	33,442,034								

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
6/30/1999	5,477,222	3,791,371	1,336,188	2,851,329	820,519	942,111	968,861	560,305	1,325,340	1,820,683	193,121	825,083	422,179
6/30/2000	6,064,823	4,962,024	4,721,461	1,871,714	1,594,498	3,818,687	500,056	135,212	494,516	532,316	551,078	254,356	224,668
6/30/2001	5,134,247	7,320,378	3,648,597	4,814,158	4,056,936	3,451,927	3,684,715	1,495,660	103,103	-36,698	504,905	254,327	-4,594
6/30/2002	4,928,994	2,756,251	5,609,708	4,564,528	7,857,275	3,716,447	3,511,387	2,056,337	677,866	935,233	788,836	98,118	-15,302
6/30/2003	3,989,600	4,658,124	4,388,505	4,993,812	2,410,149	1,601,095	793,086	406,170	528,440	296,190	35,907	70,523	-49,554
6/30/2004	4,402,228	4,639,052	4,111,133	4,846,068	3,961,625	2,783,432	138,456	1,440,851	857,032	28,936	849,259	69,970	61,203
6/30/2005	3,794,341	5,906,627	3,780,418	3,158,665	2,112,914	1,095,372	760,356	920,057	1,795,636	301,289	-66,716	323,764	220,812
6/30/2006	4,180,996	4,528,060	4,069,958	1,920,791	4,052,048	2,842,452	1,081,407	257,050	432,200	3,109,807	367,909	-123,393	
6/30/2007	6,074,904	6,026,557	6,073,799	2,791,555	2,485,212	2,611,677	758,725	1,952,442	404,931	285,511	205,696		
6/30/2008	5,840,370	6,123,119	5,360,531	4,728,881	2,588,546	959,967	1,206,209	1,167,933	870,126	1,076,551			
6/30/2009	4,835,559	6,706,132	3,810,226	4,463,969	1,891,423	1,400,035	1,243,799	907,747	4,625,368				
6/30/2010	6,228,387	7,021,631	5,997,406	4,090,451	2,444,258	2,682,765	1,203,482	770,634					
6/30/2011	7,676,968	5,406,372	5,397,654	4,479,464	2,403,776	577,192	671,887						
6/30/2012	5,916,911	7,227,472	5,292,945	4,298,075	2,880,492	2,111,027							
6/30/2013	5,894,724	7,350,505	7,604,685	2,457,107	694,340								
6/30/2014	5,998,414	4,633,361	3,295,871	2,352,707									
6/30/2015	6,354,513	7,927,487	5,206,649										
6/30/2016	5,658,057	8,005,375											
6/30/2017	6,729,086												

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
6/30/1999	0.0789	0.0546	0.0192	0.0411	0.0118	0.0136	0.0140	0.0081	0.0191	0.0262	0.0028	0.0119	0.0061
6/30/2000	0.0826	0.0676	0.0643	0.0255	0.0217	0.0520	0.0068	0.0018	0.0067	0.0072	0.0075	0.0035	0.0031
6/30/2001	0.0724	0.1033	0.0515	0.0679	0.0572	0.0487	0.0520	0.0211	0.0015	-0.0005	0.0071	0.0036	-0.0001
6/30/2002	0.0716	0.0400	0.0815	0.0663	0.1142	0.0540	0.0510	0.0299	0.0098	0.0136	0.0115	0.0014	-0.0002
6/30/2003	0.0646	0.0754	0.0711	0.0809	0.0390	0.0259	0.0128	0.0066	0.0086	0.0048	0.0006	0.0011	-0.0008
6/30/2004	0.0720	0.0759	0.0672	0.0793	0.0648	0.0455	0.0023	0.0236	0.0140	0.0005	0.0139	0.0011	0.0010
6/30/2005	0.0687	0.1070	0.0685	0.0572	0.0383	0.0198	0.0138	0.0167	0.0325	0.0055	-0.0012	0.0059	0.0040
6/30/2006	0.0820	0.0888	0.0798	0.0377	0.0794	0.0557	0.0212	0.0050	0.0085	0.0610	0.0072	-0.0024	
6/30/2007	0.1077	0.1068	0.1077	0.0495	0.0441	0.0463	0.0135	0.0346	0.0072	0.0051	0.0036		
6/30/2008	0.0907	0.0951	0.0832	0.0734	0.0402	0.0149	0.0187	0.0181	0.0135	0.0167			
6/30/2009	0.0802	0.1112	0.0632	0.0741	0.0314	0.0232	0.0206	0.0151	0.0767				
6/30/2010	0.0915	0.1032	0.0881	0.0601	0.0359	0.0394	0.0177	0.0113					
6/30/2011	0.0979	0.0689	0.0688	0.0571	0.0307	0.0074	0.0086						
6/30/2012	0.0768	0.0938	0.0687	0.0558	0.0374	0.0274							
6/30/2013	0.0809	0.1008	0.1043	0.0337	0.0095								
6/30/2014	0.0684	0.0528	0.0376	0.0268									
6/30/2015	0.0754	0.0941	0.0618										
6/30/2016	0.0718	0.1016											
6/30/2017	0.0809												

Best 3/5	0.0760	0.0962	0.0664	0.0489	0.0327	0.0218	0.0166	0.0148	0.0182	0.0091	0.0038	0.0012	0.0002
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
MULTISTATE  
FRINGE COVERAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/1999	17,870,839	24,440,533	24,641,771	28,158,578	26,171,174	26,056,134	25,871,677	25,772,678	25,976,153	25,916,971	25,940,339
6/30/2000	17,506,638	20,791,827	32,370,028	32,522,511	31,917,010	32,106,634	32,694,192	32,886,716	32,800,874	32,871,926	32,645,087
6/30/2001	14,251,230	30,489,368	32,862,089	35,514,672	37,142,075	37,469,190	37,438,866	37,461,446	37,553,701	37,352,904	37,121,658
6/30/2002	16,155,666	19,579,397	22,508,320	25,117,961	23,273,036	22,683,774	22,557,628	22,311,460	22,498,048	22,507,172	22,363,874
6/30/2003	11,320,004	14,000,737	17,483,502	15,892,026	15,838,276	16,023,885	15,190,992	14,967,832	15,197,764	15,014,633	15,208,300
6/30/2004	16,878,272	21,836,390	18,879,075	19,395,127	19,005,103	18,736,942	18,775,575	18,771,060	18,781,999	19,008,681	19,028,336
6/30/2005	14,964,147	18,982,835	21,319,523	20,961,793	20,379,326	20,480,819	20,122,781	20,221,254	20,317,287	20,592,043	20,535,962
6/30/2006	19,316,603	23,331,159	24,314,612	23,587,965	22,838,879	22,857,223	22,569,713	22,668,242	22,461,305	22,282,457	22,297,458
6/30/2007	18,536,652	22,708,574	23,315,121	23,451,523	23,284,186	22,778,967	22,688,936	22,799,337	22,866,895	23,101,377	23,034,227
6/30/2008	17,181,411	19,037,423	18,712,806	18,467,967	18,394,060	18,475,320	18,657,437	18,862,330	18,788,295	18,837,468	18,729,128
6/30/2009	13,999,490	16,257,824	16,098,882	16,350,892	17,181,311	17,207,301	17,249,105	17,093,628	16,837,032	16,910,033	
6/30/2010	12,371,429	15,462,688	16,511,043	16,371,336	16,662,998	16,437,698	16,204,893	16,148,773	16,273,259		
6/30/2011	10,241,217	11,838,226	12,890,015	14,011,193	14,049,900	14,003,950	13,702,601	13,498,034			
6/30/2012	8,967,533	11,660,058	11,519,870	11,825,402	12,259,563	11,640,020	12,168,173				
6/30/2013	9,493,017	11,422,653	12,803,652	12,872,587	13,296,534	14,028,196					
6/30/2014	8,861,417	12,038,209	15,222,653	15,314,886	17,355,178						
6/30/2015	9,611,757	12,302,986	15,615,424	19,350,119							
6/30/2016	10,710,694	13,870,369	19,199,737								
6/30/2017	10,915,520	16,857,419									
6/30/2018	12,379,460										
<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>		
6/30/1999	25,891,006	25,975,849	25,955,874	25,997,694	25,986,614	26,080,786	26,144,429	26,159,527	26,227,911		
6/30/2000	32,367,227	32,366,227	32,577,544	32,477,544	32,527,544	32,531,044	32,567,186	32,755,044			
6/30/2001	37,020,302	37,205,002	37,205,002	37,295,002	37,305,337	37,305,236	37,409,737				
6/30/2002	22,478,437	22,561,912	22,661,912	22,615,262	22,607,412	22,738,013					
6/30/2003	15,174,030	15,238,931	15,243,228	15,320,728	15,438,226						
6/30/2004	18,824,222	18,899,333	18,944,133	19,056,527							
6/30/2005	20,282,214	20,407,211	20,479,606								
6/30/2006	22,506,208	22,367,708									
6/30/2007	22,984,057										

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
6/30/1999	1.368	1.008	1.143	0.929	0.996	0.993	0.996	1.008	0.998	1.001	0.998
6/30/2000	1.188	1.557	1.005	0.981	1.006	1.018	1.006	0.997	1.002	0.993	0.991
6/30/2001	2.139	1.078	1.081	1.046	1.009	0.999	1.001	1.002	0.995	0.994	0.997
6/30/2002	1.212	1.150	1.116	0.927	0.975	0.994	0.989	1.008	1.000	0.994	1.005
6/30/2003	1.237	1.249	0.909	0.997	1.012	0.948	0.985	1.015	0.988	1.013	0.998
6/30/2004	1.294	0.865	1.027	0.980	0.986	1.002	1.000	1.001	1.012	1.001	0.989
6/30/2005	1.269	1.123	0.983	0.972	1.005	0.983	1.005	1.005	1.014	0.997	0.988
6/30/2006	1.208	1.042	0.970	0.968	1.001	0.987	1.004	0.991	0.992	1.001	1.009
6/30/2007	1.225	1.027	1.006	0.993	0.978	0.996	1.005	1.003	1.010	0.997	0.998
6/30/2008	1.108	0.983	0.987	0.996	1.004	1.010	1.011	0.996	1.003	0.994	
6/30/2009	1.161	0.990	1.016	1.051	1.002	1.002	0.991	0.985	1.004		
6/30/2010	1.250	1.068	0.992	1.018	0.986	0.986	0.997	1.008			
6/30/2011	1.156	1.089	1.087	1.003	0.997	0.978	0.985				
6/30/2012	1.300	0.988	1.027	1.037	0.949	1.045					
6/30/2013	1.203	1.121	1.005	1.033	1.055						
6/30/2014	1.358	1.265	1.006	1.133							
6/30/2015	1.280	1.269	1.239								
6/30/2016	1.295	1.384									
6/30/2017	1.544										
3 Yr Mean	1.373	1.306	1.083	1.068	1.000	1.003	0.991	0.996	1.006	0.997	0.998
Best 3/5	1.311	1.218	1.040	1.029	0.995	0.999	0.998	0.997	1.006	0.998	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1999	1.003	0.999	1.002	1.000	1.004	1.002	1.001	1.003			
6/30/2000	1.000	1.007	0.997	1.002	1.000	1.001	1.006	1.002 *			
6/30/2001	1.005	1.000	1.002	1.000	1.000	1.003	1.002 *	1.002 *			
6/30/2002	1.004	1.004	0.998	1.000	1.006	1.002 *	1.002 *	1.002 *			
6/30/2003	1.004	1.000	1.005	1.008	1.001 *	1.002 *	1.002 *	1.002 *			
6/30/2004	1.004	1.002	1.006								
6/30/2005	1.006	1.004									
6/30/2006	0.994										
3 Yr Mean	1.001	1.002	1.003	1.003	1.002 @	1.002 @	1.004 @	1.003 @			
Best 3/5	1.004	1.002	1.002	1.001	1.002 *	1.002 *	1.002 *	1.002 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2014					0.995	0.999	0.998	0.997	1.006	0.998	0.995
6/30/2015				1.029	0.995	0.999	0.998	0.997	1.006	0.998	0.995
6/30/2016			1.040	1.029	0.995	0.999	0.998	0.997	1.006	0.998	0.995
6/30/2017		1.218	1.040	1.029	0.995	0.999	0.998	0.997	1.006	0.998	0.995
6/30/2018	1.311	1.218	1.040	1.029	0.995	0.999	0.998	0.997	1.006	0.998	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2014	1.004	1.002	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.013
6/30/2015	1.004	1.002	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.042
6/30/2016	1.004	1.002	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.084
6/30/2017	1.004	1.002	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.320
6/30/2018	1.004	1.002	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.731

\* 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>
6/30/1999	5,645,109	14,248,705	17,569,825	25,183,712	25,058,949	25,774,298	25,987,753	26,716,649	27,622,286	27,442,613	27,482,746
6/30/2000	7,425,046	11,334,437	22,121,168	24,004,309	26,375,462	28,426,578	31,064,530	33,119,228	35,733,095	38,349,459	37,914,533
6/30/2001	4,260,882	15,429,188	21,973,828	28,949,866	32,339,075	37,155,786	38,694,017	39,438,664	40,301,066	41,469,276	41,516,497
6/30/2002	5,417,843	10,457,364	14,845,752	18,553,835	18,377,627	20,596,940	21,904,826	21,786,025	21,927,042	22,096,880	22,079,992
6/30/2003	3,625,016	8,838,334	11,944,145	15,404,426	17,275,411	18,647,317	26,874,040	28,737,346	32,342,487	32,557,653	32,830,394
6/30/2004	3,774,234	7,852,639	12,874,440	17,743,677	20,964,408	21,451,480	21,517,200	22,437,637	22,716,275	22,586,635	22,750,661
6/30/2005	2,600,479	8,258,576	13,917,362	16,652,515	18,112,331	20,117,387	20,124,028	20,118,732	21,021,398	22,037,830	22,449,486
6/30/2006	2,869,957	9,160,787	13,513,786	16,714,924	18,433,309	19,711,824	23,390,977	24,635,559	27,019,896	29,649,191	29,758,998
6/30/2007	2,679,357	8,050,836	17,168,940	21,154,225	23,399,437	24,042,189	20,085,268	23,186,565	23,238,134	23,276,077	23,345,504
6/30/2008	2,183,702	7,419,546	12,639,769	16,660,313	17,390,434	18,350,366	19,122,102	19,781,200	19,863,189	20,098,940	20,391,134
6/30/2009	3,058,839	8,335,746	12,569,494	18,260,306	24,609,344	27,221,154	27,939,408	28,424,527	28,779,155	29,263,414	
6/30/2010	3,433,277	12,358,178	20,244,786	22,434,522	27,046,515	30,648,836	32,614,773	34,323,717	34,476,390		
6/30/2011	4,180,490	13,354,138	20,401,562	25,858,266	30,705,289	32,983,413	34,764,995	35,203,247			
6/30/2012	3,497,749	10,865,402	15,803,213	27,332,190	28,683,193	32,093,865	34,324,791				
6/30/2013	3,186,266	9,673,249	13,959,439	19,314,331	22,830,187	25,087,291					
6/30/2014	4,667,669	12,457,771	18,691,548	19,550,020	24,893,101						
6/30/2015	4,898,308	10,323,786	17,237,877	25,920,545							
6/30/2016	5,315,561	11,390,146	15,771,252								
6/30/2017	4,170,686	10,684,363									
6/30/2018	4,990,550										

<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>
6/30/1999	27,492,356	27,652,464	27,683,519	27,693,390	27,696,843	27,866,650	27,960,921	28,152,270	28,429,895
6/30/2000	37,947,659	37,709,449	37,730,499	37,731,433	37,828,639	37,873,238	37,880,910	37,955,957	
6/30/2001	41,473,265	41,474,557	41,480,717	41,469,893	41,471,440	41,471,440	41,471,441		
6/30/2002	22,169,123	22,214,107	22,278,485	22,281,686	22,281,269	22,432,396			
6/30/2003	32,800,660	35,629,651	35,637,870	35,701,786	36,138,546				
6/30/2004	22,712,540	22,924,047	22,906,264	22,953,109					
6/30/2005	22,771,860	24,175,083	24,475,745						
6/30/2006	30,011,111	30,099,417							
6/30/2007	23,375,779								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1999	8,603,596	3,321,120	7,613,887	-124,763	715,349	213,455	728,896	905,637	-179,673	40,133	9,610	160,108	31,055
6/30/2000	3,909,391	10,786,731	1,883,141	2,371,153	2,051,116	2,637,952	2,054,698	2,613,867	2,616,364	-434,926	33,126	-238,210	21,050
6/30/2001	11,168,306	6,544,640	6,976,038	3,389,209	4,816,711	1,538,231	744,647	862,402	1,168,210	47,221	-43,232	1,292	6,160
6/30/2002	5,039,521	4,388,388	3,708,083	-176,208	2,219,313	1,307,886	-118,801	141,017	169,838	-16,888	89,131	44,984	64,378
6/30/2003	5,213,318	3,105,811	3,460,281	1,870,985	1,371,906	8,226,723	1,863,306	3,605,141	215,166	272,741	-29,734	2,828,991	8,219
6/30/2004	4,078,405	5,021,801	4,869,237	3,220,731	487,072	65,720	920,437	278,638	-129,640	164,026	-38,121	211,507	-17,783
6/30/2005	5,658,097	5,658,786	2,735,153	1,459,816	2,005,056	6,641	-5,296	902,666	1,016,432	411,656	322,374	1,403,223	300,662
6/30/2006	6,290,830	4,352,999	3,201,138	1,718,385	1,278,515	3,679,153	1,244,582	2,384,337	2,629,295	109,807	252,113	88,306	
6/30/2007	5,371,479	9,118,104	3,985,285	2,245,212	642,752	-3,956,921	3,101,297	51,569	37,943	69,427	30,275		
6/30/2008	5,235,844	5,220,223	4,020,544	730,121	959,932	771,736	659,098	81,989	235,751	292,194			
6/30/2009	5,276,907	4,233,748	5,690,812	6,349,038	2,611,810	718,254	485,119	354,628	484,259				
6/30/2010	8,924,901	7,886,608	2,189,736	4,611,993	3,602,321	1,965,937	1,708,944	152,673					
6/30/2011	9,173,648	7,047,424	5,456,704	4,847,023	2,278,124	1,781,582	438,252						
6/30/2012	7,367,653	4,937,811	11,528,977	1,351,003	3,410,672	2,230,926							
6/30/2013	6,486,983	4,286,190	5,354,892	3,515,856	2,257,104								
6/30/2014	7,790,102	6,233,777	858,472	5,343,081									
6/30/2015	5,425,478	6,914,091	8,682,668										
6/30/2016	6,074,585	4,381,106											
6/30/2017	6,513,677												

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
6/30/1999	0.2079	0.0803	0.1840	-0.0030	0.0173	0.0052	0.0176	0.0219	-0.0043	0.0010	0.0002	0.0039	0.0008
6/30/2000	0.0747	0.2060	0.0360	0.0453	0.0392	0.0504	0.0392	0.0499	0.0500	-0.0083	0.0006	-0.0045	0.0004
6/30/2001	0.1895	0.1110	0.1184	0.0575	0.0817	0.0261	0.0126	0.0146	0.0198	0.0008	-0.0007	0.0000	0.0001
6/30/2002	0.1429	0.1244	0.1051	-0.0050	0.0629	0.0371	-0.0034	0.0040	0.0048	-0.0005	0.0025	0.0013	0.0018
6/30/2003	0.2122	0.1264	0.1408	0.0761	0.0558	0.3348	0.0758	0.1467	0.0088	0.0111	-0.0012	0.1151	0.0003
6/30/2004	0.1308	0.1611	0.1562	0.1033	0.0156	0.0021	0.0295	0.0089	-0.0042	0.0053	-0.0012	0.0068	-0.0006
6/30/2005	0.1647	0.1647	0.0796	0.0425	0.0584	0.0002	-0.0002	0.0263	0.0296	0.0120	0.0094	0.0409	0.0088
6/30/2006	0.1924	0.1331	0.0979	0.0525	0.0391	0.1125	0.0381	0.0729	0.0804	0.0034	0.0077	0.0027	
6/30/2007	0.1498	0.2543	0.1111	0.0626	0.0179	-0.1103	0.0865	0.0014	0.0011	0.0019	0.0008		
6/30/2008	0.1886	0.1881	0.1448	0.0263	0.0346	0.0278	0.0237	0.0030	0.0085	0.0105			
6/30/2009	0.1916	0.1537	0.2066	0.2305	0.0948	0.0261	0.0176	0.0129	0.0176				
6/30/2010	0.2930	0.2589	0.0719	0.1514	0.1182	0.0645	0.0561	0.0050					
6/30/2011	0.3956	0.3039	0.2353	0.2090	0.0983	0.0768	0.0189						
6/30/2012	0.3552	0.2381	0.5559	0.0651	0.1644	0.1076							
6/30/2013	0.2817	0.1861	0.2325	0.1527	0.0980								
6/30/2014	0.2658	0.2127	0.0293	0.1823									
6/30/2015	0.1656	0.2110	0.2650										
6/30/2016	0.1683	0.1214											
6/30/2017	0.1679												

Best 3/5	0.2007	0.2033	0.2443	0.1621	0.1048	0.0564	0.0329	0.0069	0.0186	0.0064	0.0024	0.0168	0.0008
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Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2013 - 2017

<u>Item *</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2013 - 2017 Mean</u>
1. Direct Losses Incurred	\$19,650,392	\$20,723,228	\$25,486,854	\$26,406,385	\$23,400,844	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,575,153	\$5,301,984	\$6,171,818	\$5,132,541	\$6,233,925	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,296,595	\$2,476,228	\$2,580,924	\$2,694,622	\$2,384,924	
4. Incurred Losses + ALAE [(1) + (2)]	\$25,225,545	\$26,025,212	\$31,658,672	\$31,538,926	\$29,634,769	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.1%	9.5%	8.2%	8.5%	8.0%	8.7%
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&amp;T</u> <u>CLASS GROUPS 1-13 *</u>	<u>OL&amp;T</u> <u>CLASS GROUP 16</u>	<u>PREMISES/</u> <u>OPERATIONS</u>
a) 1/1/2016 to 1/1/2021 AYE 6/30/2016	+ 1.3%	+ 3.0%	+ 0.9%	+ 2.1%	+ 1.2%
b) 1/1/2017 to 1/1/2021 AYE 6/30/2017	+ 1.6%	+ 2.9%	+ 0.9%	+ 2.2%	+ 1.2%
c) 1/1/2018 to 1/1/2021 AYE 6/30/2018	+ 1.7%	+ 2.8%	+ 0.9%	+ 1.8%	+ 1.2%

	<u>MANUFACTURERS &amp; CONTRACTORS</u>			<u>OWNERS, LANDLORDS &amp; TENANTS</u>		
(2) <u>OCCURRENCE SEVERITY</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>
a) Fitted						
All Years (20 Points)	+ 4.4%	+ 4.7%	- 0.7%	+ 3.9%	+ 4.2%	- 3.0%
Eight Year (16 Points)	+ 5.1%	+ 5.5%	+ 0.8%	+ 3.6%	+ 5.4%	- 6.6%
Six Year (12 Points)	+ 5.9%	+ 4.1%	- 2.8%	+ 3.5%	+ 6.1%	- 7.1%
b) Selected	+ 4.5%	+ 4.5%	+ 0.5%	+ 3.5%	+ 4.5%	+ 1.5%

(3) <u>FREQUENCY TREND</u>	<u>M&amp;C</u>	<u>OL&amp;T</u>
Selected	- 0.5%	- 1.0%

(4) TOTAL ANNUAL NET TREND

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

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

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

MANUFACTURERS AND CONTRACTORS  
AVERAGE ANNUAL EXPOSURE TRENDS  
FOR ACCIDENT YEARS ENDING 6/30/2016, 6/30/2017 & 6/30/2018

(1) YEAR ENDING QUARTER*		(2) MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES	(3) CONTRACTORS CLASS GROUP PAYROLL EXPOSURE INDICES	(1) YEAR ENDING QUARTER*		(2) MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES	(3) CONTRACTORS CLASS GROUP PAYROLL EXPOSURE INDICES
2008	1	0.962	21.143	2015	1	1.025	24.773
	2	0.958	21.357		2	1.027	24.921
	3	0.956	21.604		3	1.029	25.023
	4	0.957	21.880		4	1.031	25.178
2009	1	0.961	22.128	2016	1	1.031	25.318
	2	0.966	22.349		2	1.032	25.487
	3	0.969	22.502		3	1.031	25.730
	4	0.968	22.653		4	1.032	25.941
2010	1	0.964	22.806	2017	1	1.035	26.147
	2	0.962	22.928		2	1.036	26.313
	3	0.962	23.080		3	1.039	26.511
	4	0.965	23.208		4	1.042	26.704
2011	1	0.968	23.312	2018	1	1.044	26.943
	2	0.973	23.427		2	1.049	27.193
	3	0.978	23.556		3	1.054	27.435
	4	0.982	23.638		4	1.057	27.712
2012	1	0.986	23.715	2019	1P	1.062	27.946
	2	0.990	23.794		2P	1.067	28.178
	3	0.995	23.873		3P	1.071	28.392
	4	1.000	23.965		4P	1.077	28.588
2013	1	1.004	24.062	2020	1P	1.082	28.801
	2	1.006	24.140		2P	1.086	29.004
	3	1.008	24.167		3P	1.090	29.185
	4	1.010	24.208		4P	1.093	29.336
2014	1	1.012	24.299	2021	1P	1.098	29.458
	2	1.016	24.405		2P	1.103	29.558
	3	1.020	24.538		3P	1.109	29.652
	4	1.022	24.663		4P	1.115	29.748

CHANGE IN EXPOSURES		MANUFACTURERS	CONTRACTORS
1/1/2016 to 1/1/2021		(2021:2/2016:2) 1.069	1.160
1/1/2017 to 1/1/2021		(2021:2/2017:2) 1.065	1.123
1/1/2018 to 1/1/2021		(2021:2/2018:2) 1.051	1.087

AVERAGE ANNUAL TREND FACTOR			
1/1/2016 to 1/1/2021		( 5.0 YRS ) 1.013	1.030
1/1/2017 to 1/1/2021		( 4.0 YRS ) 1.016	1.029
1/1/2018 to 1/1/2021		( 3.0 YRS ) 1.017	1.028

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

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

<u>TYPE OF CLASS</u>	<u>VOLUME</u> <sup>2</sup>	<u>INFLATION TREND</u> <sup>3</sup>
FURNITURE@	9.3%	-1.2%
OTHER DURABLES	6.3%	-1.0%
CLOTHING	9.7%	-0.1%
FOOD@	43.9%	1.4%
OTHER NON-DURABLES	26.5%	1.5%
RECREATION SERVICES#	4.3%	2.2%
TOTAL	100.0%	0.9% <sup>4</sup>

<sup>1</sup> 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.

<sup>2</sup> Volume weights are based on each type of class's inflation-adjusted contribution to GDP in year ending 6/30/2018. Inflation adjusted GDP is measured in terms of 2012 prices.

<sup>3</sup> Inflation trends are based on average annual growth rates in consumption components starting 2016 to 2021.

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

@ These categories have been revised. See Executive Summary for details.

# The category of Recreations Services has been introduced. See Executive Summary for details.

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
2008	1	1.069	0.962	0.951	0.886	0.896	0.915	2015	1	0.940	0.936	1.011	1.045	1.017	1.039
	2	1.065	0.970	0.949	0.896	0.901	0.922		2	0.935	0.927	1.007	1.050	1.021	1.042
	3	1.064	0.977	0.949	0.908	0.907	0.931		3	0.930	0.917	1.004	1.054	1.023	1.047
	4	1.065	0.983	0.947	0.921	0.912	0.936		4	0.924	0.908	1.000	1.058	1.025	1.052
2009	1	1.066	0.986	0.947	0.931	0.919	0.940	2016	1	0.920	0.903	0.999	1.061	1.027	1.058
	2	1.069	0.986	0.950	0.936	0.930	0.942		2	0.913	0.903	0.999	1.063	1.030	1.064
	3	1.066	0.985	0.952	0.937	0.942	0.944		3	0.907	0.903	0.998	1.064	1.034	1.071
	4	1.061	0.986	0.956	0.936	0.953	0.947		4	0.900	0.904	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	0.903	0.999	1.066	1.042	1.086
	2	1.039	0.983	0.956	0.937	0.966	0.953		2	0.888	0.900	0.997	1.068	1.046	1.092
	3	1.027	0.982	0.953	0.940	0.968	0.955		3	0.882	0.897	0.995	1.071	1.048	1.100
	4	1.015	0.982	0.949	0.943	0.970	0.957		4	0.875	0.895	0.992	1.074	1.050	1.108
2011	1	1.006	0.987	0.947	0.948	0.973	0.960	2018	1	0.869	0.893	0.991	1.078	1.052	1.114
	2	1.001	0.994	0.949	0.955	0.977	0.964		2	0.866	0.890	0.994	1.082	1.054	1.120
	3	1.000	1.002	0.955	0.965	0.981	0.968		3	0.865	0.887	0.993	1.086	1.055	1.125
	4	1.000	1.008	0.965	0.975	0.985	0.973		4	0.866	0.879	0.994	1.089	1.055	1.131
2012	1	1.001	1.011	0.976	0.984	0.990	0.980	2019	1P	0.868	0.871	0.990	1.094	1.057	1.137
	2	1.001	1.009	0.988	0.991	0.993	0.986		2P	0.868	0.864	0.986	1.098	1.059	1.143
	3	1.000	1.005	0.994	0.996	0.997	0.993		3P	0.870	0.860	0.987	1.103	1.063	1.149
	4	1.000	1.000	1.000	1.000	1.000	1.000		4P	0.870	0.861	0.988	1.109	1.070	1.154
2013	1	0.998	0.994	1.005	1.004	1.001	1.005	2020	1P	0.868	0.861	0.988	1.114	1.077	1.160
	2	0.994	0.989	1.006	1.008	1.001	1.009		2P	0.867	0.860	0.988	1.120	1.083	1.165
	3	0.988	0.985	1.009	1.012	1.001	1.013		3P	0.865	0.860	0.989	1.125	1.090	1.170
	4	0.981	0.979	1.010	1.015	1.002	1.017		4P	0.863	0.859	0.990	1.130	1.097	1.175
2014	1	0.972	0.970	1.010	1.018	1.003	1.022	2021	1P	0.861	0.858	0.991	1.136	1.104	1.180
	2	0.962	0.961	1.013	1.024	1.006	1.028		2P	0.859	0.857	0.992	1.141	1.111	1.185
	3	0.954	0.953	1.014	1.030	1.009	1.032		3P	0.857	0.857	0.993	1.147	1.118	1.190
	4	0.947	0.944	1.013	1.038	1.013	1.036		4P	0.856	0.856	0.994	1.153	1.124	1.195

Change In Exposures\*

Average Annual Trend Factor

1/1/2016 to 1/1/2021 (2021:2/2016:2)	0.941	0.949	0.994	1.074	1.079	1.113	1/1/2016 to 1/1/2021 (5.0 Years)	-1.2%	-1.0%	-0.1%	1.4%	1.5%	2.2%
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\*Assumes a loss cost revision date of January 1, 2020, and a prospective average date of coverage one year later (January 1, 2021).

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PREMISES/OPERATIONS  
GOVERNMENTAL SUBDIVISIONS  
OWNERS, LANDLORDS AND TENANTS  
AVERAGE ANNUAL EXPOSURE TRENDS  
FOR ACCIDENT YEARS ENDING 6/30/2016, 6 /30/2017 & 6/30/2018

(1) YEAR ENDING QUARTER		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @		(1) YEAR ENDING QUARTER		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @	
2008	1		0.893	2015	1		1.057
	2		0.905		2		1.058
	3		0.918		3		1.058
	4		0.926		4		1.057
2009	1		0.926	2016	1		1.057
	2		0.924		2		1.056
	3		0.920		3		1.057
	4		0.920		4		1.060
2010	1		0.926	2017	1		1.067
	2		0.933		2		1.074
	3		0.940		3		1.082
	4		0.947		4		1.092
2011	1		0.954	2018	1		1.100
	2		0.962		2		1.111
	3		0.971		3		1.121
	4		0.977		4		1.130
2012	1		0.984	2019	1P		1.138
	2		0.988		2P		1.143
	3		0.992		3P		1.147
	4		1.000		4P		1.150
2013	1		1.007	2020	1P		1.152
	2		1.016		2P		1.155
	3		1.025		3P		1.159
	4		1.033		4P		1.163
2014	1		1.040	2021	1P		1.167
	2		1.046		2P		1.171
	3		1.052		3P		1.176
	4		1.057		4P		1.180

CHANGE IN EXPOSURES

1/1/2016 to 1/1/2021	(2021:2/2016:2)	1.109
1/1/2017 to 1/1/2021	(2021:2/2017:2)	1.090
1/1/2018 to 1/1/2021	(2021:2/2018:2)	1.054

AVERAGE ANNUAL TREND FACTOR

1/1/2016 to 1/1/2021	( 5.0 YRS )	1.021
1/1/2017 to 1/1/2021	( 4.0 YRS )	1.022
1/1/2018 to 1/1/2021	( 3.0 YRS )	1.018

\* 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>
12/31/2008	\$ 247,880,371	4,692	\$ 52,830	\$ 49,907		
6/30/2009	246,193,012	4,747	51,863	51,003		
12/31/2009	256,431,765	4,813	53,279	52,124		
6/30/2010	263,329,059	4,910	53,631	53,269		
12/31/2010	258,475,458	4,935	52,376	54,439	\$ 52,800	
6/30/2011	278,363,512	5,071	54,893	55,635	54,134	
12/31/2011	283,580,613	4,922	57,615	56,857	55,502	
6/30/2012	254,266,230	4,333	58,681	58,106	56,904	
12/31/2012	239,220,144	4,157	57,546	59,383	58,342	\$ 56,831
6/30/2013	244,547,123	4,195	58,295	60,687	59,816	58,480
12/31/2013	255,271,328	4,294	59,448	62,020	61,328	60,177
6/30/2014	292,671,024	4,678	62,563	63,383	62,877	61,923
12/31/2014	287,864,289	4,306	66,852	64,775	64,466	63,720
6/30/2015	257,492,042	3,936	65,420	66,198	66,095	65,569
12/31/2015	242,914,839	3,861	62,915	67,652	67,765	67,472
6/30/2016	236,352,397	3,430	68,907	69,139	69,477	69,429
12/31/2016	243,099,016	3,381	71,902	70,658	71,233	71,444
6/30/2017	250,406,249	3,513	71,280	72,210	73,033	73,517
12/31/2017	264,912,010	3,426	77,324	73,796	74,878	75,650
6/30/2018	255,197,202	3,191	79,974	75,417	76,770	77,845
Goodness of Fit Statistic, R-Squared:				0.932	0.935	0.922
Average Annual Severity Trend (10 yr)				+ 4.4%		
Average Annual Severity Trend ( 8 yr)				+ 5.1%		
Average Annual Severity Trend ( 6 yr)				+ 5.9%		
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>		
12/31/2008	\$ 206,931,445	18,904	\$ 10,946	\$ 10,035		
6/30/2009	197,378,662	18,414	10,719	10,267		
12/31/2009	191,082,032	17,838	10,712	10,504		
6/30/2010	190,996,950	18,258	10,461	10,747		
12/31/2010	193,138,122	18,705	10,325	10,995	\$ 10,577	
6/30/2011	196,767,858	18,690	10,528	11,250	10,867	
12/31/2011	204,201,496	18,616	10,969	11,510	11,164	
6/30/2012	195,498,111	17,992	10,866	11,776	11,470	
12/31/2012	209,614,061	17,080	12,272	12,048	11,784	\$ 12,369
6/30/2013	213,127,102	16,558	12,872	12,327	12,106	12,620
12/31/2013	203,595,534	15,932	12,779	12,612	12,438	12,877
6/30/2014	210,685,055	15,697	13,422	12,903	12,778	13,139
12/31/2014	215,166,861	15,695	13,709	13,202	13,128	13,406
6/30/2015	210,100,811	15,368	13,671	13,507	13,487	13,679
12/31/2015	210,819,116	15,464	13,633	13,819	13,857	13,957
6/30/2016	212,446,701	15,591	13,626	14,139	14,236	14,240
12/31/2016	224,563,798	15,802	14,211	14,466	14,626	14,530
6/30/2017	230,803,654	15,819	14,590	14,800	15,026	14,825
12/31/2017	241,754,678	15,569	15,528	15,142	15,437	15,127
6/30/2018	246,142,376	15,442	15,940	15,493	15,860	15,435
Goodness of Fit Statistic, R-Squared:				0.905	0.928	0.900
Average Annual Severity Trend (10 yr)				+ 4.7%		
Average Annual Severity Trend ( 8 yr)				+ 5.5%		
Average Annual Severity Trend ( 6 yr)				+ 4.1%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</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>
12/31/2008	\$ 22,359,401	468	\$ 47,776	\$ 41,872		
6/30/2009	22,204,717	486	45,689	41,718		
12/31/2009	25,532,110	556	45,921	41,564		
6/30/2010	24,007,916	637	37,689	41,411		
12/31/2010	19,366,879	614	31,542	41,259	\$ 38,392	
6/30/2011	19,633,680	529	37,115	41,107	38,546	
12/31/2011	19,851,013	533	37,244	40,956	38,701	
6/30/2012	19,302,882	505	38,224	40,805	38,857	
12/31/2012	20,005,873	469	42,656	40,655	39,013	\$ 44,139
6/30/2013	20,792,787	440	47,256	40,505	39,170	43,523
12/31/2013	24,432,325	491	49,760	40,356	39,327	42,916
6/30/2014	22,877,885	541	42,288	40,207	39,485	42,317
12/31/2014	21,701,249	539	40,262	40,059	39,644	41,726
6/30/2015	25,005,057	572	43,715	39,912	39,803	41,144
12/31/2015	21,719,574	624	34,807	39,765	39,963	40,570
6/30/2016	23,169,019	658	35,211	39,618	40,124	40,004
12/31/2016	22,713,805	656	34,625	39,473	40,285	39,445
6/30/2017	20,888,192	643	32,486	39,327	40,447	38,895
12/31/2017	28,217,317	639	44,159	39,182	40,610	38,352
6/30/2018	29,223,054	614	47,595	39,038	40,773	37,817
Goodness of Fit Statistic, R-Squared:				0.025	0.018	0.126
Average Annual Severity Trend (10 yr)				- 0.7%		
Average Annual Severity Trend ( 8 yr)				+ 0.8%		
Average Annual Severity Trend ( 6 yr)				- 2.8%		
Selected Annual Severity Trend				+ 0.5%		

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

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



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

(1) 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>
12/31/2008	\$ 602,523,581	20,152	\$ 29,899	\$ 31,118		
6/30/2009	639,258,903	20,045	31,891	31,719		
12/31/2009	658,207,624	20,410	32,249	32,333		
6/30/2010	687,021,264	20,974	32,756	32,958		
12/31/2010	708,752,256	21,242	33,366	33,595	\$ 34,044	
6/30/2011	747,542,426	21,546	34,695	34,244	34,653	
12/31/2011	727,580,048	20,617	35,290	34,906	35,273	
6/30/2012	671,120,497	18,343	36,587	35,581	35,905	
12/31/2012	628,015,793	17,424	36,043	36,269	36,547	\$ 36,623
6/30/2013	671,246,399	18,244	36,793	36,970	37,201	37,264
12/31/2013	714,094,633	19,294	37,011	37,685	37,867	37,917
6/30/2014	801,737,581	20,625	38,872	38,413	38,544	38,580
12/31/2014	786,701,119	19,769	39,795	39,156	39,234	39,256
6/30/2015	775,845,893	18,934	40,976	39,913	39,936	39,943
12/31/2015	801,886,401	19,053	42,087	40,684	40,651	40,642
6/30/2016	774,732,751	17,990	43,065	41,471	41,378	41,353
12/31/2016	746,899,974	18,073	41,327	42,273	42,119	42,077
6/30/2017	789,066,639	18,790	41,994	43,090	42,873	42,814
12/31/2017	815,123,324	19,336	42,156	43,923	43,640	43,563
6/30/2018	887,045,921	19,996	44,361	44,772	44,421	44,326
Goodness of Fit Statistic, R-Squared:				0.961	0.936	0.868
Average Annual Severity Trend (10 yr)				+ 3.9%		
Average Annual Severity Trend ( 8 yr)				+ 3.6%		
Average Annual Severity Trend ( 6 yr)				+ 3.5%		
Selected Annual Severity Trend				+ 3.5%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <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>
12/31/2008	\$ 82,645,639	9,194	\$ 8,989	\$ 8,134		
6/30/2009	76,422,964	9,218	8,291	8,304		
12/31/2009	82,028,606	9,280	8,839	8,478		
6/30/2010	85,918,094	9,586	8,963	8,656		
12/31/2010	83,364,265	9,868	8,448	8,838	\$ 8,397	
6/30/2011	85,500,116	10,030	8,524	9,023	8,619	
12/31/2011	90,565,359	9,815	9,227	9,212	8,847	
6/30/2012	85,344,115	9,058	9,422	9,406	9,081	
12/31/2012	85,107,340	8,618	9,876	9,603	9,322	\$ 9,082
6/30/2013	84,185,280	8,677	9,702	9,804	9,568	9,356
12/31/2013	81,241,355	8,617	9,428	10,010	9,822	9,638
6/30/2014	80,880,185	8,867	9,121	10,220	10,081	9,929
12/31/2014	83,215,871	8,830	9,424	10,434	10,348	10,229
6/30/2015	93,556,017	8,481	11,031	10,653	10,622	10,538
12/31/2015	96,082,857	8,535	11,258	10,876	10,903	10,856
6/30/2016	91,196,968	8,522	10,701	11,104	11,192	11,184
12/31/2016	95,603,340	8,574	11,150	11,337	11,488	11,521
6/30/2017	103,821,465	8,985	11,555	11,575	11,792	11,869
12/31/2017	110,984,731	8,732	12,710	11,818	12,104	12,227
6/30/2018	109,399,620	8,247	13,265	12,065	12,424	12,596
Goodness of Fit Statistic, R-Squared:				0.817	0.854	0.788
Average Annual Severity Trend (10 yr)				+ 4.2%		
Average Annual Severity Trend ( 8 yr)				+ 5.4%		
Average Annual Severity Trend ( 6 yr)				+ 6.1%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B- Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND  
MULTISTATE  
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 <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>
12/31/2008	\$ 26,475,503	519	\$ 51,013	\$ 78,068		
6/30/2009	34,861,437	542	64,320	76,892		
12/31/2009	44,154,718	561	78,707	75,734		
6/30/2010	43,950,276	592	74,240	74,593		
12/31/2010	34,740,318	555	62,595	73,470	\$ 87,761	
6/30/2011	42,101,445	509	82,714	72,363	84,817	
12/31/2011	47,463,206	465	102,071	71,273	81,972	
6/30/2012	36,943,553	378	97,734	70,199	79,222	
12/31/2012	32,625,911	363	89,879	69,142	76,564	\$ 77,365
6/30/2013	29,580,591	403	73,401	68,101	73,995	74,553
12/31/2013	34,055,692	444	76,702	67,075	71,513	71,843
6/30/2014	38,523,636	507	75,984	66,065	69,113	69,232
12/31/2014	30,966,101	545	56,819	65,070	66,795	66,716
6/30/2015	34,850,120	616	56,575	64,090	64,554	64,291
12/31/2015	41,269,770	721	57,240	63,124	62,388	61,955
6/30/2016	39,690,098	748	53,062	62,173	60,295	59,703
12/31/2016	37,278,726	706	52,803	61,237	58,272	57,533
6/30/2017	34,938,835	626	55,813	60,315	56,317	55,442
12/31/2017	35,604,112	559	63,693	59,406	54,428	53,428
6/30/2018	34,005,794	600	56,676	58,511	52,602	51,486
Goodness of Fit Statistic, R-Squared:				0.177	0.528	0.574
Average Annual Severity Trend (10 yr)				- 3.0%		
Average Annual Severity Trend ( 8 yr)				- 6.6%		
Average Annual Severity Trend ( 6 yr)				- 7.1%		
Selected Annual Severity Trend				+ 1.5%		

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

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

(See Section B- Explanation of Trend Calculation).

PREMISES/OPERATIONS  
MANUFACTURERS AND CONTRACTORS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES<sup>1</sup>

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at <u>Ultimate</u> <sup>1</sup>	(4) Occurrence Frequency <u>(3)/(2)</u> <sup>2</sup>
6/30/2005	\$ 764,877,480	27,679	36.19
6/30/2006	794,302,516	27,943	35.18
6/30/2007	826,955,099	28,998	35.07
6/30/2008	831,079,841	28,773	34.62
6/30/2009	853,537,420	29,597	34.68
6/30/2010	789,287,818	28,950	36.68
6/30/2011	806,368,763	29,386	36.44
6/30/2012	819,604,878	28,314	34.55
6/30/2013	818,429,440	27,299	33.36
6/30/2014	874,098,179	28,271	32.34
6/30/2015	901,592,541	27,480	30.48
6/30/2016	911,716,111	27,883	30.58
6/30/2017	929,175,670	28,655	30.84
6/30/2018	941,062,088	27,714	29.45

Selected Annual Frequency Trend: - 0.5%

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

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

PREMISES/OPERATIONS  
OWNERS, LANDLORDS AND TENANTS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES<sup>1</sup>

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate <sup>1</sup>	(4) Occurrence Frequency <u>(3)/(2)<sup>2</sup></u>
6/30/2005	\$ 857,357,819	34,367	40.08
6/30/2006	877,137,511	32,548	37.11
6/30/2007	912,198,154	33,018	36.20
6/30/2008	957,124,738	32,547	34.01
6/30/2009	1,080,779,872	34,003	31.46
6/30/2010	1,135,352,372	33,790	29.76
6/30/2011	1,162,414,245	33,921	29.18
6/30/2012	1,150,509,741	29,503	25.64
6/30/2013	1,128,413,413	29,240	25.91
6/30/2014	1,184,069,799	32,670	27.59
6/30/2015	1,274,310,620	31,267	24.54
6/30/2016	1,302,379,088	30,477	23.40
6/30/2017	1,333,848,986	31,789	23.83
6/30/2018	1,347,393,827	33,520	24.88

Selected Annual Frequency Trend: - 1.0%

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

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

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

\*Base Class

CLASS GROUP 01

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

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

\*Base Class

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

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

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

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

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

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

\*Base Class

CLASS GROUP 38

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

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

CLASS GROUP 39

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

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

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

## CLASS EXCEPTIONS

# The following class exceptions apply by state:

### Class Group 10

47469 Not valid for New Jersey

### Class Group 13

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

### Class Group 14

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

### Class Group 32

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

### Class Group 33

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

### Class Group 35

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

### Class Group 38

41620 Not valid for New York

### Class Group 39

93169 Valid only for Louisiana



SECTION F  
SUPPORTING MATERIAL -- PRODUCTS  
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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	12/31/2015	\$34,392,377	1.000		1.070				\$36,799,843
	12/31/2016	37,129,305	1.000		1.070				39,728,356
	12/31/2017	38,981,644	1.009		1.060				41,692,428
MULTILINE	12/31/2015	\$98,127,681	1.000		1.072		0.856		\$90,045,100
	12/31/2016	99,473,741	1.000		1.073		0.856		91,365,437
	12/31/2017	102,006,024	1.009		1.063		0.856		93,653,501
TOTAL	12/31/2015								\$126,844,943
	12/31/2016								131,093,793
	12/31/2017								135,345,929

+ 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 07/01/2019 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	12/31/2015	\$13,974,028		1.062		1.085		1.131		0.927		\$16,881,779
		12/31/2016	9,510,573		1.379		1.085		1.104		0.941		14,782,891
		12/31/2017	6,945,317		1.953		1.085		1.077		0.956		15,152,966
BI	ALAE	12/31/2015	\$18,221,984				1.085		1.131		0.927		\$20,728,493
		12/31/2016	16,412,035				1.085		1.104		0.941		18,499,111
		12/31/2017	16,276,353				1.085		1.077		0.956		18,182,786
PD	B/L INDEMNITY	12/31/2015	\$17,392,087		1.180		1.085		1.370		0.927		\$28,278,980
		12/31/2016	19,333,670		1.256		1.085		1.286		0.941		31,883,374
		12/31/2017	15,490,547		1.411		1.085		1.208		0.956		27,387,244
PD	ALAE	12/31/2015	\$25,228,377				1.085		1.370		0.927		\$34,763,168
		12/31/2016	36,601,364				1.085		1.286		0.941		48,057,104
		12/31/2017	29,980,277				1.085		1.208		0.956		37,565,589
	TOTAL												
	FULL COVERAGE	12/31/2015											\$100,652,421
		12/31/2016											113,222,481
		12/31/2017											98,288,586

\* 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	12/31/2015	\$1,912,576		1.138		1.085		1.131		0.927		\$2,475,900
		12/31/2016	1,414,704		1.341		1.085		1.104		0.941		2,138,370
		12/31/2017	895,671		2.042		1.085		1.077		0.956		2,043,184
BI	ALAE	12/31/2015	\$4,224,638				1.085		1.131		0.927		\$4,805,754
		12/31/2016	2,551,523				1.085		1.104		0.941		2,875,994
		12/31/2017	1,738,872				1.085		1.077		0.956		1,942,544
PD	B/L INDEMNITY	12/31/2015	\$2,845,634		1.092		1.085		1.370		0.927		\$4,281,853
		12/31/2016	2,664,397		1.130		1.085		1.286		0.941		3,953,099
		12/31/2017	2,510,871		1.252		1.085		1.208		0.956		3,938,976
PD	ALAE	12/31/2015	\$3,775,662				1.085		1.370		0.927		\$5,202,632
		12/31/2016	4,466,984				1.085		1.286		0.941		5,865,091
		12/31/2017	5,424,083				1.085		1.208		0.956		6,796,431
	TOTAL DED COVERAGE	12/31/2015											\$16,766,139
		12/31/2016											14,832,553
		12/31/2017											14,721,135
	TOTAL	12/31/2015											\$117,418,560
		12/31/2016											128,055,034
		12/31/2017											113,009,721

\* 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	0.838
35	Not Applicable	--
36	Service Policy	0.910
37	Industrial/Processing Policy	0.865
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
12/31/2010	218,723,911	221,327,320	221,473,524	221,500,882	221,500,297	221,488,379	221,484,442	221,484,442
12/31/2011	224,605,706	228,076,356	228,048,781	228,036,064	228,035,742	228,034,112	228,034,144	
12/31/2012	234,825,587	238,107,406	238,084,610	238,082,845	238,074,727	238,074,951		
12/31/2013	245,138,741	247,658,354	247,618,706	247,557,611	247,555,280			
12/31/2014	252,544,413	258,488,954	258,197,054	258,159,529				
12/31/2015	255,676,390	256,308,227	256,142,399					
12/31/2016	245,412,726	245,841,069						
12/31/2017	240,492,676							

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>
12/31/2010	1.012	1.001	1.000	1.000	1.000	1.000	1.000
12/31/2011	1.015	1.000	1.000	1.000	1.000	1.000	
12/31/2012	1.014	1.000	1.000	1.000	1.000		
12/31/2013	1.010	1.000	1.000	1.000			
12/31/2014	1.024	0.999	1.000				
12/31/2015	1.002	0.999					
12/31/2016	1.002						
12/31/2017							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.009	1.000

Accident Year Ending	Exposure Development From <u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>	<u>Factor</u>
12/31/2015			1.000	1.000
12/31/2016		1.000	1.000	1.000
12/31/2017	1.009	1.000	1.000	1.009

## 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
12/31/1998	6,530,690	11,603,182	16,049,468	17,146,094	16,429,781	16,122,433	16,484,451	17,646,807	17,607,702	17,793,493	17,799,750
12/31/1999	7,930,472	12,964,913	16,811,019	19,518,774	19,626,294	19,607,802	19,483,656	19,078,358	19,601,340	19,835,670	19,676,018
12/31/2000	7,739,008	11,035,961	14,684,047	16,675,759	16,349,198	16,195,748	16,870,218	16,237,768	16,090,223	16,168,724	16,071,735
12/31/2001	8,385,674	12,714,598	16,451,642	17,154,592	17,969,728	17,603,875	17,899,928	18,261,529	17,931,259	17,782,947	18,103,129
12/31/2002	7,215,982	11,084,413	14,951,138	16,845,292	16,240,685	15,346,649	15,104,371	14,867,839	14,862,980	14,891,051	15,181,150
12/31/2003	7,482,895	12,425,658	15,288,481	15,888,663	15,189,250	14,512,493	14,205,225	14,667,754	14,961,586	15,150,697	15,121,177
12/31/2004	7,381,889	11,375,787	14,933,668	16,554,788	15,990,062	14,906,215	14,914,425	14,793,873	15,155,685	15,267,865	15,269,443
12/31/2005	9,007,568	10,728,276	13,940,610	13,649,545	13,955,965	14,023,715	13,851,577	14,078,420	13,847,840	13,772,914	13,726,191
12/31/2006	8,162,843	12,992,145	17,209,660	17,422,908	16,772,053	16,962,150	16,913,752	17,123,060	17,377,324	17,322,157	16,963,927
12/31/2007	9,903,713	15,371,884	18,851,134	19,744,610	19,620,987	19,783,935	19,294,130	19,295,681	19,077,607	18,971,905	19,099,387
12/31/2008	9,909,195	14,507,783	17,408,318	18,128,700	19,847,521	18,549,815	18,402,940	18,221,769	18,253,276	18,297,464	
12/31/2009	11,438,761	14,382,324	16,995,337	16,989,458	16,735,577	16,818,339	16,672,578	16,754,401	16,699,669		
12/31/2010	11,481,065	15,877,105	17,380,172	17,932,943	18,078,478	16,693,397	16,444,644	16,438,031			
12/31/2011	9,548,888	12,736,161	15,954,253	16,172,012	15,515,802	15,304,468	15,187,641				
12/31/2012	9,514,886	14,147,385	18,118,536	18,266,894	18,365,441	17,886,638					
12/31/2013	7,145,446	10,845,388	14,863,268	15,726,619	16,021,436						
12/31/2014	7,830,665	10,809,771	14,351,287	16,123,397							
12/31/2015	7,606,405	10,288,850	13,215,434								
12/31/2016	6,644,445	9,195,106									
12/31/2017	6,771,753										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1998	17,525,367	17,518,045	17,678,529	17,807,595	17,832,852	18,097,234	18,125,837	18,236,947	18,233,049		
12/31/1999	19,608,084	19,504,687	19,603,460	19,839,085	20,570,491	20,771,819	20,825,367	19,902,791			
12/31/2000	16,082,762	16,234,722	16,284,909	16,482,412	16,725,544	16,775,527	17,225,973				
12/31/2001	18,421,201	18,524,327	18,752,339	19,079,793	19,018,816	19,256,065					
12/31/2002	15,647,811	15,331,248	15,446,023	15,122,695	15,374,770						
12/31/2003	15,138,015	15,312,396	15,232,952	15,300,542							
12/31/2004	15,137,538	15,027,529	15,204,688								
12/31/2005	13,618,284	13,636,444									
12/31/2006	17,256,958										



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

<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1998	1.777	1.383	1.068	0.958	0.981	1.022	1.071	0.998	1.011	1.000	0.985
12/31/1999	1.635	1.297	1.161	1.006	0.999	0.994	0.979	1.027	1.012	0.992	0.997
12/31/2000	1.426	1.331	1.136	0.980	0.991	1.042	0.963	0.991	1.005	0.994	1.001
12/31/2001	1.516	1.294	1.043	1.048	0.980	1.017	1.020	0.982	0.992	1.018	1.018
12/31/2002	1.536	1.349	1.127	0.964	0.945	0.984	0.984	1.000	1.002	1.019	1.031
12/31/2003	1.661	1.230	1.039	0.956	0.955	0.979	1.033	1.020	1.013	0.998	1.001
12/31/2004	1.541	1.313	1.109	0.966	0.932	1.001	0.992	1.024	1.007	1.000	0.991
12/31/2005	1.191	1.299	0.979	1.022	1.005	0.988	1.016	0.984	0.995	0.997	0.992
12/31/2006	1.592	1.325	1.012	0.963	1.011	0.997	1.012	1.015	0.997	0.979	1.017
12/31/2007	1.552	1.226	1.047	0.994	1.008	0.975	1.000	0.989	0.994	1.007	
12/31/2008	1.464	1.200	1.041	1.095	0.935	0.992	0.990	1.002			
12/31/2009	1.257	1.182	1.000	0.985	1.005	0.991	1.005	0.997			
12/31/2010	1.383	1.095	1.032	1.008	0.923	0.985	1.000				
12/31/2011	1.334	1.253	1.014	0.959	0.986	0.992					
12/31/2012	1.487	1.281	1.008	1.005	0.974						
12/31/2013	1.518	1.370	1.058	1.019							
12/31/2014	1.380	1.328	1.123								
12/31/2015	1.353	1.284									
12/31/2016	1.384										
3 Yr Mean	1.372	1.327	1.063	0.994	0.961	0.989	0.998	0.996	0.998	0.994	1.000
Best 3/5	1.417	1.298	1.035	0.999	0.965	0.989	1.002	0.996	0.998	0.998	1.003

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/1998	1.000	1.009	1.007	1.001	1.015	1.002	1.006	1.000			
12/31/1999	0.995	1.005	1.012	1.037	1.010	1.003	0.956	1.005 *			
12/31/2000	1.009	1.003	1.012	1.015	1.003	1.027	1.006 *	1.005 *			
12/31/2001	1.006	1.012	1.017	0.997	1.012	1.011 *	1.006 *	1.005 *			
12/31/2002	0.980	1.007	0.979	1.017	1.011 *	1.011 *	1.006 *	1.005 *			
12/31/2003	1.012	0.995	1.004								
12/31/2004	0.993	1.012									
12/31/2005	1.001										
3 Yr Mean	1.002	1.005	1.000	1.010	1.008 @	1.011 @	0.981 @	1.000 @			
Best 3/5	1.000	1.007	1.009	1.011	1.011 *	1.008 *	1.006 *	1.005 *			

<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2013					0.965	0.989	1.002	0.996	0.998	0.998	1.003
12/31/2014					0.999	0.965	0.989	1.002	0.996	0.998	1.003
12/31/2015			1.035	0.999	0.965	0.989	1.002	0.996	0.998	0.998	1.003
12/31/2016		1.298	1.035	0.999	0.965	0.989	1.002	0.996	0.998	0.998	1.003
12/31/2017	1.417	1.298	1.035	0.999	0.965	0.989	1.002	0.996	0.998	0.998	1.003

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/U1t</u>	<u>FACTORS</u>
12/31/2013	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.027
12/31/2014	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.026
12/31/2015	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.062
12/31/2016	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.379
12/31/2017	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.953

\* 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
12/31/1998	533,067	990,732	1,375,623	1,430,484	1,488,729	1,417,757	1,358,506	1,357,798	1,416,476	1,337,074	1,337,075
12/31/1999	499,691	684,095	962,281	1,209,567	1,327,393	1,200,508	1,519,661	1,355,355	1,344,023	1,270,122	1,393,595
12/31/2000	882,834	1,088,878	1,449,590	1,745,580	1,685,761	1,672,963	1,829,517	1,893,554	1,970,921	1,857,385	1,986,380
12/31/2001	506,813	1,031,350	1,420,172	1,822,482	1,597,318	1,792,618	2,107,687	2,072,547	2,111,120	2,028,185	2,049,083
12/31/2002	563,001	1,110,666	1,584,240	1,512,328	1,822,546	1,820,279	1,893,928	1,718,005	1,666,078	1,669,973	1,667,628
12/31/2003	638,864	916,783	958,041	1,779,977	1,519,336	1,481,000	1,535,514	1,527,017	1,529,492	1,535,140	1,537,251
12/31/2004	1,261,188	1,563,906	2,417,227	2,777,323	2,776,409	2,650,423	2,512,394	2,582,831	2,581,636	2,583,100	2,597,391
12/31/2005	893,932	1,205,397	1,975,626	2,039,457	1,462,671	1,461,365	1,499,228	1,432,397	1,329,908	1,325,483	1,329,974
12/31/2006	1,362,302	2,062,061	2,406,395	2,223,933	1,963,162	1,895,588	1,928,997	1,976,444	1,876,527	1,881,029	1,908,587
12/31/2007	1,781,882	2,342,635	2,225,250	2,535,444	2,599,309	2,134,228	2,140,655	2,247,232	2,251,643	2,276,632	2,279,407
12/31/2008	1,138,142	1,545,957	1,964,461	2,056,873	2,123,092	2,173,719	2,289,233	2,261,703	2,186,705	2,174,354	
12/31/2009	918,066	1,175,956	1,369,211	1,533,576	1,766,190	1,912,731	1,857,492	1,852,494	1,854,719		
12/31/2010	1,171,857	1,971,906	2,121,592	2,177,484	2,308,851	2,506,088	2,458,750	2,257,532			
12/31/2011	1,250,885	1,766,129	2,171,567	1,883,862	1,859,271	1,864,053	1,962,021				
12/31/2012	1,038,711	1,366,000	1,891,731	1,731,533	1,598,782	1,795,716					
12/31/2013	853,052	1,249,105	1,387,865	1,658,327	1,745,340						
12/31/2014	899,810	1,727,643	2,060,618	2,388,533							
12/31/2015	917,280	1,410,526	1,501,324								
12/31/2016	900,423	1,410,233									
12/31/2017	690,452										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	1,348,006	1,337,277	1,394,005	1,395,231	1,395,198	1,395,198	1,395,198	1,398,198	1,400,198
12/31/1999	1,427,496	1,677,295	1,616,737	1,533,829	1,542,618	1,529,540	1,529,540	1,475,033	
12/31/2000	2,038,503	2,018,732	2,135,162	2,170,921	2,161,469	2,249,850	2,252,849		
12/31/2001	2,071,357	2,033,107	2,042,961	2,040,199	2,036,200	2,042,799			
12/31/2002	1,667,628	1,668,258	1,693,607	1,696,308	1,696,307				
12/31/2003	1,537,267	1,537,369	1,540,071	1,540,067					
12/31/2004	2,593,315	2,596,017	2,596,015						
12/31/2005	1,332,682	1,332,773							
12/31/2006	1,883,384								

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
12/31/1998	1.859	1.388	1.040	1.041	0.952	0.958	0.999	1.043	0.944	1.000	1.008
12/31/1999	1.369	1.407	1.257	1.097	0.904	1.266	0.892	0.992	0.945	1.097	1.024
12/31/2000	1.233	1.331	1.204	0.966	0.992	1.094	1.035	1.041	0.942	1.069	1.026
12/31/2001	2.035	1.377	1.283	0.876	1.122	1.176	0.983	1.019	0.961	1.010	1.011
12/31/2002	1.973	1.426	0.955	1.205	0.999	1.040	0.907	0.970	1.002	0.999	1.000
12/31/2003	1.435	1.045	1.858	0.854	0.975	1.037	0.994	1.002	1.004	1.001	1.000
12/31/2004	1.240	1.546	1.149	1.000	0.955	0.948	1.028	1.000	1.001	1.006	0.998
12/31/2005	1.348	1.639	1.032	0.717	0.999	1.026	0.955	0.928	0.997	1.003	1.002
12/31/2006	1.514	1.167	0.924	0.883	0.966	1.018	1.025	0.949	1.002	1.015	0.987
12/31/2007	1.315	0.950	1.139	1.025	0.821	1.003	1.050	1.002	1.011	1.001	
12/31/2008	1.358	1.271	1.047	1.032	1.024	1.053	0.988	0.967	0.994		
12/31/2009	1.281	1.164	1.120	1.152	1.083	0.971	0.997	1.001			
12/31/2010	1.683	1.076	1.026	1.060	1.085	0.981	0.918				
12/31/2011	1.412	1.230	0.868	0.987	1.003	1.053					
12/31/2012	1.315	1.385	0.915	0.923	1.123						
12/31/2013	1.464	1.111	1.195	1.052							
12/31/2014	1.920	1.193	1.159								
12/31/2015	1.538	1.064									
12/31/2016	1.566										

3 Yr Mean      1.675      1.123      1.090      0.987      1.070      1.002      0.968      0.990      1.002      1.006      0.996

Best 3/5      1.523      1.178      1.033      1.033      1.064      1.012      1.003      0.972      1.000      1.003      0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.992	1.042	1.001	1.000	1.000	1.000	1.002	1.001			
12/31/1999	1.175	0.964	0.949	1.006	0.992	1.000	0.964	1.001 *			
12/31/2000	0.990	1.058	1.017	0.996	1.041	1.001	1.001 *	1.001 *			
12/31/2001	0.982	1.005	0.999	0.998	1.003	1.001 *	1.001 *	1.001 *			
12/31/2002	1.000	1.015	1.002	1.000	0.999 *	1.001 *	1.001 *	1.001 *			
12/31/2003	1.000	1.002	1.000								
12/31/2004	1.001	1.000									
12/31/2005	1.000										

3 Yr Mean      1.000      1.006      1.000      0.998      1.012 @      1.000 @      0.983 @      1.001 @

Best 3/5      1.000      1.007      1.000      0.999      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
12/31/2013					1.064	1.012	1.003	0.972	1.000	1.003	0.999
12/31/2014				1.033	1.064	1.012	1.003	0.972	1.000	1.003	0.999
12/31/2015			1.033	1.033	1.064	1.012	1.003	0.972	1.000	1.003	0.999
12/31/2016		1.178	1.033	1.033	1.064	1.012	1.003	0.972	1.000	1.003	0.999
12/31/2017	1.523	1.178	1.033	1.033	1.064	1.012	1.003	0.972	1.000	1.003	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	1.067
12/31/2014	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	1.102
12/31/2015	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	1.138
12/31/2016	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	1.341
12/31/2017	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	2.042

\* 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>
12/31/1998	2,084,041	6,012,928	9,607,172	11,556,578	12,383,919	13,260,624	13,968,315	15,220,635	15,057,234	15,762,194	16,049,080
12/31/1999	1,523,341	5,357,735	7,704,410	11,136,492	13,705,527	14,968,850	15,468,209	15,413,377	16,374,596	17,769,478	18,499,035
12/31/2000	1,333,914	4,710,725	8,660,836	12,428,334	14,034,908	15,335,503	17,801,727	18,518,609	19,656,973	20,401,399	20,585,505
12/31/2001	1,905,068	5,534,985	8,902,032	11,069,041	14,377,671	16,172,073	17,966,919	19,637,801	20,000,155	19,964,588	20,302,109
12/31/2002	1,638,829	3,948,154	8,465,360	12,859,957	16,119,478	19,151,390	19,382,989	20,135,919	20,649,288	21,105,263	21,382,847
12/31/2003	1,558,508	4,685,800	9,161,005	14,810,396	18,843,552	20,316,380	20,932,698	21,906,834	21,617,361	22,570,718	23,723,715
12/31/2004	1,205,512	3,303,719	6,895,507	11,350,009	14,268,078	14,251,827	15,732,913	16,582,009	17,471,137	18,668,333	18,816,050
12/31/2005	1,503,287	3,429,783	6,064,918	8,699,179	11,041,414	13,307,752	13,356,895	13,686,512	13,901,674	14,330,797	14,628,460
12/31/2006	1,940,972	6,603,289	9,024,626	12,062,133	14,124,625	16,021,098	19,018,619	20,330,723	19,346,678	19,428,712	19,445,621
12/31/2007	2,415,456	7,070,038	11,039,719	15,342,924	18,716,430	20,508,275	21,661,833	21,890,388	22,117,712	26,444,770	26,451,995
12/31/2008	1,751,356	4,401,018	8,766,407	15,000,336	19,322,838	21,476,572	21,383,977	21,818,703	22,161,940	22,331,265	
12/31/2009	3,347,616	5,952,618	10,662,882	13,921,951	16,356,634	17,428,687	17,466,245	17,755,326	17,757,060		
12/31/2010	2,137,007	6,026,589	10,181,458	15,694,703	17,839,369	18,637,444	18,823,935	18,998,849			
12/31/2011	2,589,946	5,966,160	10,877,206	14,448,486	16,593,677	17,959,765	19,007,621				
12/31/2012	2,739,787	8,056,640	17,359,176	22,589,966	26,295,859	29,183,871					
12/31/2013	1,622,917	5,500,912	9,983,914	13,342,968	15,601,124						
12/31/2014	1,655,599	4,503,476	8,802,643	12,936,522							
12/31/2015	2,238,324	5,109,949	8,608,410								
12/31/2016	1,567,577	4,108,530									
12/31/2017	1,310,641										

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>
12/31/1998	16,022,551	16,073,962	16,312,991	16,381,897	16,757,609	16,853,437	16,863,732	16,947,755	16,985,075
12/31/1999	18,907,933	19,759,487	20,361,561	21,464,090	22,209,737	22,723,543	23,145,891	23,671,554	
12/31/2000	20,915,055	21,267,371	21,656,510	21,787,380	21,997,321	22,175,311	22,316,107		
12/31/2001	20,604,131	20,945,490	21,226,512	21,528,368	21,738,625	22,048,367			
12/31/2002	23,836,731	23,756,416	23,730,077	22,983,565	23,102,170				
12/31/2003	23,659,932	23,921,883	23,254,132	23,345,502					
12/31/2004	18,972,115	19,095,655	19,227,881						
12/31/2005	14,792,764	14,892,245							
12/31/2006	19,458,821								

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>
12/31/1998	3,928,887	3,594,244	1,949,406	827,341	876,705	707,691	1,252,320	-163,401	704,960	286,886	-26,529	51,411	239,029
12/31/1999	3,834,394	2,346,675	3,432,082	2,569,035	1,263,323	499,359	-54,832	961,219	1,394,882	729,557	408,898	851,554	602,074
12/31/2000	3,376,811	3,950,111	3,767,498	1,606,574	1,300,595	2,466,224	716,882	1,138,364	744,426	184,106	329,550	352,316	389,139
12/31/2001	3,629,917	3,367,047	2,167,009	3,308,630	1,794,402	1,794,846	1,670,882	362,354	-35,567	337,521	302,022	341,359	281,022
12/31/2002	2,309,325	4,517,206	4,394,597	3,259,521	3,031,912	231,599	752,930	513,369	455,975	277,584	2,453,884	-80,315	-26,339
12/31/2003	3,127,292	4,475,205	5,649,391	4,033,156	1,472,828	616,318	974,136	-289,473	953,357	1,152,997	-63,783	261,951	-667,751
12/31/2004	2,098,207	3,591,788	4,454,502	2,918,069	-16,251	1,481,086	849,096	889,128	1,197,196	147,717	156,065	123,540	132,226
12/31/2005	1,926,496	2,635,135	2,634,261	2,342,235	2,266,338	49,143	329,617	215,162	429,123	297,663	164,304	99,481	
12/31/2006	4,662,317	2,421,337	3,037,507	2,062,492	1,896,473	2,997,521	1,312,104	-984,045	82,034	16,909	13,200		
12/31/2007	4,654,582	3,969,681	4,303,205	3,373,506	1,791,845	1,153,558	228,555	227,324	4,327,058	7,225			
12/31/2008	2,649,662	4,365,389	6,233,929	4,322,502	2,153,734	-92,595	434,726	343,237	169,325				
12/31/2009	2,605,002	4,710,264	3,259,069	2,434,683	1,072,053	37,558	289,081	1,734					
12/31/2010	3,889,582	4,154,869	5,513,245	2,144,666	798,075	186,491	174,914						
12/31/2011	3,376,214	4,911,046	3,571,280	2,145,191	1,366,088	1,047,856							
12/31/2012	5,316,853	9,302,536	5,230,790	3,705,893	2,888,012								
12/31/2013	3,877,995	4,483,002	3,359,054	2,258,156									
12/31/2014	2,847,877	4,299,167	4,133,879										
12/31/2015	2,871,625	3,498,461											
12/31/2016	2,540,953												

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>
12/31/1998	0.1220	0.1116	0.0605	0.0257	0.0272	0.0220	0.0389	-0.0051	0.0219	0.0089	-0.0008	0.0016	0.0074
12/31/1999	0.1037	0.0635	0.0928	0.0695	0.0342	0.0135	-0.0015	0.0260	0.0377	0.0197	0.0111	0.0230	0.0163
12/31/2000	0.1040	0.1216	0.1160	0.0495	0.0400	0.0759	0.0221	0.0350	0.0229	0.0057	0.0101	0.0108	0.0120
12/31/2001	0.1025	0.0951	0.0612	0.0935	0.0507	0.0507	0.0472	0.0102	-0.0010	0.0095	0.0085	0.0096	0.0079
12/31/2002	0.0757	0.1481	0.1441	0.1069	0.0994	0.0076	0.0247	0.0168	0.0150	0.0091	0.0805	-0.0026	-0.0009
12/31/2003	0.0930	0.1332	0.1681	0.1200	0.0438	0.0183	0.0290	-0.0086	0.0284	0.0343	-0.0019	0.0078	-0.0199
12/31/2004	0.0717	0.1227	0.1521	0.0997	-0.0006	0.0506	0.0290	0.0304	0.0409	0.0050	0.0053	0.0042	0.0045
12/31/2005	0.0606	0.0829	0.0829	0.0737	0.0713	0.0015	0.0104	0.0068	0.0135	0.0094	0.0052	0.0031	
12/31/2006	0.1257	0.0653	0.0819	0.0556	0.0511	0.0808	0.0354	-0.0265	0.0022	0.0005	0.0004		
12/31/2007	0.1115	0.0951	0.1030	0.0808	0.0429	0.0276	0.0055	0.0054	0.1036	0.0002			
12/31/2008	0.0702	0.1157	0.1653	0.1146	0.0571	-0.0025	0.0115	0.0091	0.0045				
12/31/2009	0.0683	0.1235	0.0854	0.0638	0.0281	0.0010	0.0076	0.0000					
12/31/2010	0.1076	0.1150	0.1525	0.0593	0.0221	0.0052	0.0048						
12/31/2011	0.1086	0.1580	0.1149	0.0690	0.0440	0.0337							
12/31/2012	0.1379	0.2413	0.1357	0.0961	0.0749								
12/31/2013	0.1211	0.1400	0.1049	0.0705									
12/31/2014	0.0811	0.1224	0.1177										
12/31/2015	0.1065	0.1298											
12/31/2016	0.1010												

Best 3/5	0.1096	0.1426	0.1228	0.0678	0.0431	0.0113	0.0082	0.0041	0.0196	0.0050	0.0036	0.0050	0.0039
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PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE  
 BODILY INJURY - OCCURRENCE  
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	Link Ratios						
	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1998	1.004	1.023	1.006	1.001	1.005	1.002	1.004 *
12/31/1999	1.054	1.035	1.023	1.019	1.023	1.005 *	1.004 *
12/31/2000	1.006	1.010	1.008	1.006	1.007 *	1.005 *	1.004 *
12/31/2001	1.014	1.010	1.014	1.010 *	1.007 *	1.005 *	1.004 *
12/31/2002	0.969	1.005	1.014 *	1.010 *	1.007 *	1.005 *	1.004 *
12/31/2003	1.004						
Best 3/5	1.008	1.014	1.012 *	1.009 *	1.007 *	1.005 *	1.004 *

171 to Ultimate Factor: 1.060

<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>
	0.546	0.437	0.294	0.171	0.104	0.061	0.049
<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>
	0.041	0.037	0.017	0.013	0.009	0.004	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	8,872,360	28,294,066	0.294	8,318,459	17,190,819	1.060	18,221,984
12/31/2016	4,413,867	25,330,468	0.437	11,069,414	15,483,281	1.060	16,412,035
12/31/2017	1,407,537	25,545,301	0.546	13,947,729	15,355,266	1.060	16,276,353

\* 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
12/31/1998	9,508,186	13,631,815	14,865,388	15,143,601	16,201,864	17,092,484	18,618,064	17,392,005	17,591,070	18,476,245	18,749,879
12/31/1999	9,375,407	12,270,884	14,197,145	15,983,441	15,404,497	16,585,559	16,452,448	17,612,163	18,385,274	18,690,966	18,733,398
12/31/2000	9,758,833	13,357,935	15,231,972	16,251,804	17,972,798	18,891,240	19,919,583	20,702,404	20,940,099	21,244,044	21,257,230
12/31/2001	11,751,945	14,990,584	19,119,813	20,158,573	19,960,075	20,761,512	21,985,181	21,891,672	22,327,277	22,565,040	22,930,739
12/31/2002	9,564,927	14,968,159	18,025,646	17,352,073	17,465,111	18,649,654	19,066,146	19,351,801	19,612,727	19,868,845	20,413,394
12/31/2003	11,416,124	13,439,314	15,672,385	17,013,844	18,535,627	19,861,345	20,268,561	20,782,686	21,357,005	21,717,248	21,838,225
12/31/2004	10,337,205	12,530,186	13,827,556	14,266,901	15,625,213	15,692,472	16,057,312	16,443,475	16,611,989	17,007,666	17,148,432
12/31/2005	12,024,445	14,351,295	14,633,771	15,206,411	15,408,547	15,878,255	15,851,792	16,864,335	16,927,881	17,568,908	17,881,227
12/31/2006	13,597,234	15,236,480	16,448,274	16,798,303	17,812,436	18,265,209	19,010,260	20,941,587	21,618,724	21,452,368	21,612,396
12/31/2007	18,580,856	20,898,919	21,969,138	22,007,997	23,416,047	24,239,735	25,626,608	26,370,083	26,600,257	27,355,657	27,932,172
12/31/2008	17,555,296	21,040,641	22,624,689	23,820,063	24,556,882	25,668,909	26,421,970	26,940,711	27,418,237	27,941,170	
12/31/2009	20,608,609	23,259,989	24,830,134	24,839,807	25,134,714	25,751,513	25,414,886	26,068,693	26,471,293		
12/31/2010	19,068,215	21,804,612	23,244,744	23,749,876	23,848,356	24,488,268	24,478,225	24,913,309			
12/31/2011	16,107,610	17,765,224	18,453,228	19,940,803	20,255,104	20,751,887	21,369,276				
12/31/2012	16,970,196	18,010,691	19,911,449	22,315,673	22,704,567	22,981,789					
12/31/2013	15,841,004	18,414,872	19,842,282	20,003,620	20,874,728						
12/31/2014	15,366,030	17,563,966	18,897,794	19,064,709							
12/31/2015	15,718,217	16,728,682	17,093,628								
12/31/2016	15,519,852	18,359,839									
12/31/2017	14,452,527										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	19,013,703	19,263,267	19,260,285	19,225,020	19,148,217	19,170,096	19,169,995	19,144,996	19,241,194
12/31/1999	18,586,286	18,476,696	18,570,100	18,540,628	18,568,843	18,695,335	18,699,213	18,687,044	
12/31/2000	21,027,236	21,172,897	21,021,778	21,008,135	21,009,526	21,008,154	21,010,355		
12/31/2001	22,932,285	22,756,792	22,665,821	22,720,195	22,674,046	22,680,873			
12/31/2002	20,504,155	20,608,692	20,645,414	20,769,493	20,768,534				
12/31/2003	22,356,819	22,155,897	22,115,984	22,146,226					
12/31/2004	17,352,697	17,289,760	17,467,175						
12/31/2005	17,744,750	17,656,248							
12/31/2006	21,286,530								

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
12/31/1998	1.434	1.090	1.019	1.070	1.055	1.089	0.934	1.011	1.050	1.015	1.014
12/31/1999	1.309	1.157	1.126	0.964	1.077	0.992	1.070	1.044	1.017	1.002	0.992
12/31/2000	1.369	1.140	1.067	1.106	1.051	1.054	1.039	1.011	1.015	1.001	0.989
12/31/2001	1.276	1.275	1.054	0.990	1.040	1.059	0.996	1.020	1.011	1.016	1.000
12/31/2002	1.565	1.204	0.963	1.007	1.068	1.022	1.015	1.013	1.013	1.027	1.004
12/31/2003	1.177	1.166	1.086	1.089	1.072	1.021	1.025	1.028	1.017	1.006	1.024
12/31/2004	1.212	1.104	1.032	1.095	1.004	1.023	1.024	1.010	1.024	1.008	1.012
12/31/2005	1.194	1.020	1.039	1.013	1.030	0.998	1.064	1.004	1.038	1.018	0.992
12/31/2006	1.121	1.080	1.021	1.060	1.025	1.041	1.102	1.032	0.992	1.007	0.985
12/31/2007	1.125	1.051	1.002	1.064	1.035	1.057	1.029	1.009	1.028	1.021	
12/31/2008	1.199	1.075	1.053	1.031	1.045	1.029	1.020	1.018	1.019		
12/31/2009	1.129	1.068	1.000	1.012	1.025	0.987	1.026	1.015			
12/31/2010	1.144	1.066	1.022	1.004	1.027	1.000	1.018				
12/31/2011	1.103	1.039	1.081	1.016	1.025	1.030					
12/31/2012	1.061	1.106	1.121	1.017	1.012						
12/31/2013	1.162	1.078	1.008	1.044							
12/31/2014	1.143	1.076	1.009								
12/31/2015	1.064	1.022									
12/31/2016	1.183										
3 Yr Mean	1.130	1.059	1.046	1.026	1.021	1.006	1.021	1.014	1.013	1.015	0.996
Best 3/5	1.123	1.064	1.037	1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.013	1.000	0.998	0.996	1.001	1.000	0.999	1.005			
12/31/1999	0.994	1.005	0.998	1.002	1.007	1.000	0.999	1.000 *			
12/31/2000	1.007	0.993	0.999	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2001	0.992	0.996	1.002	0.998	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	1.005	1.002	1.006	1.000	0.999 *	1.000 *	1.000 *	1.000 *			
12/31/2003	0.991	0.998	1.001								
12/31/2004	0.996	1.010									
12/31/2005	0.995										
3 Yr Mean	0.994	1.003	1.003	0.999	1.002 @	1.000 @	0.999 @	1.005 @			
Best 3/5	0.994	0.999	1.001	0.999	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.026	1.020	1.025	1.014	1.024	1.011	1.003
12/31/2014				1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003
12/31/2015			1.037	1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003
12/31/2016		1.064	1.037	1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003
12/31/2017	1.123	1.064	1.037	1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.122
12/31/2014	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.138
12/31/2015	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.180
12/31/2016	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.256
12/31/2017	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.411

\* 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
12/31/1998	1,035,375	1,693,891	1,888,505	1,907,518	2,135,914	3,078,424	2,757,453	2,751,402	3,080,149	3,265,137	3,320,703
12/31/1999	881,765	981,540	1,247,460	1,811,107	1,832,734	1,997,749	2,131,436	2,287,156	2,610,443	2,820,793	2,906,684
12/31/2000	921,129	1,445,187	1,891,161	1,803,234	1,911,565	2,086,180	2,474,003	2,667,906	2,811,852	3,026,858	3,096,825
12/31/2001	1,722,974	1,924,777	2,520,602	2,806,538	2,729,897	3,040,445	3,488,229	4,060,847	4,303,076	4,421,154	4,569,788
12/31/2002	821,127	1,532,634	1,888,541	2,303,004	2,893,778	3,018,020	3,170,334	3,284,663	3,885,946	3,872,977	3,872,178
12/31/2003	1,633,801	1,760,813	1,621,790	1,612,864	1,665,621	1,808,718	2,159,886	2,201,461	2,225,359	2,380,285	2,705,163
12/31/2004	708,966	1,301,618	1,799,252	1,551,855	1,433,456	1,510,529	1,524,216	1,492,583	1,605,728	1,707,199	1,704,027
12/31/2005	1,839,840	3,006,021	2,828,232	3,172,061	3,229,774	3,103,531	3,369,469	3,491,011	3,487,635	3,435,645	3,370,962
12/31/2006	2,739,548	4,038,503	4,482,928	4,160,418	4,098,990	4,233,977	4,690,793	4,763,238	4,869,295	4,998,224	5,031,644
12/31/2007	3,386,279	3,097,519	3,031,213	3,133,141	3,449,007	3,385,354	3,478,243	3,652,112	3,747,406	3,760,636	3,871,170
12/31/2008	2,318,311	2,552,925	3,040,547	3,183,744	2,960,420	3,018,726	3,185,618	3,273,757	3,283,953	3,229,166	
12/31/2009	3,499,393	3,487,472	3,057,187	3,116,760	3,240,776	3,461,193	3,368,806	3,494,914	3,518,663		
12/31/2010	2,187,415	3,079,994	3,387,852	3,125,893	3,113,662	3,223,520	3,261,193	3,214,622			
12/31/2011	3,305,690	3,329,092	3,186,600	3,175,545	3,351,416	3,264,421	3,228,339				
12/31/2012	2,966,126	2,907,153	3,337,127	3,191,842	3,356,984	2,913,598					
12/31/2013	3,777,963	3,929,893	4,009,011	4,089,906	4,121,879						
12/31/2014	3,357,997	4,406,067	4,542,104	4,563,319							
12/31/2015	2,789,251	3,111,342	3,281,438								
12/31/2016	2,966,088	3,468,186									
12/31/2017	2,195,023										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	3,266,846	3,250,253	3,261,792	3,259,292	3,281,628	3,281,835	3,281,835	3,281,835	3,281,835
12/31/1999	2,859,339	2,843,228	2,844,344	2,849,256	2,849,256	2,849,251	2,849,251	2,849,251	
12/31/2000	3,009,980	2,960,187	2,967,860	2,965,724	2,960,403	2,960,403	3,025,332		
12/31/2001	4,412,114	4,370,283	4,320,612	4,301,283	4,228,755	4,233,758			
12/31/2002	3,617,377	3,567,155	3,516,054	3,506,054	3,508,388				
12/31/2003	2,772,861	2,774,704	2,807,162	2,805,175					
12/31/2004	1,673,562	1,702,449	1,697,448						
12/31/2005	3,461,895	3,492,774							
12/31/2006	5,046,337								

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
12/31/1998	1.636	1.115	1.010	1.120	1.441	0.896	0.998	1.119	1.060	1.017	0.984
12/31/1999	1.113	1.271	1.452	1.012	1.090	1.067	1.073	1.141	1.081	1.030	0.984
12/31/2000	1.569	1.309	0.954	1.060	1.091	1.186	1.078	1.054	1.076	1.023	0.972
12/31/2001	1.117	1.310	1.113	0.973	1.114	1.147	1.164	1.060	1.027	1.034	0.965
12/31/2002	1.867	1.232	1.219	1.257	1.043	1.050	1.036	1.183	0.997	1.000	0.934
12/31/2003	1.078	0.921	0.994	1.033	1.086	1.194	1.019	1.011	1.070	1.136	1.025
12/31/2004	1.836	1.382	0.863	0.924	1.054	1.009	0.979	1.076	1.063	0.998	0.982
12/31/2005	1.634	0.941	1.122	1.018	0.961	1.086	1.036	0.999	0.985	0.981	1.027
12/31/2006	1.474	1.110	0.928	0.985	1.033	1.108	1.015	1.022	1.026	1.007	1.003
12/31/2007	0.915	0.979	1.034	1.101	0.982	1.027	1.050	1.026	1.004	1.029	
12/31/2008	1.101	1.191	1.047	0.930	1.020	1.055	1.028	1.003	0.983		
12/31/2009	0.997	0.877	1.019	1.040	1.068	0.973	1.037	1.007			
12/31/2010	1.408	1.100	0.923	0.996	1.035	1.012	0.986				
12/31/2011	1.007	0.957	0.997	1.055	0.974	0.989					
12/31/2012	0.980	1.148	0.956	1.052	0.868						
12/31/2013	1.040	1.020	1.020	1.008							
12/31/2014	1.312	1.031	1.005								
12/31/2015	1.115	1.055									
12/31/2016	1.169										
3 Yr Mean	1.199	1.035	0.994	1.038	0.959	0.991	1.017	1.012	1.004	1.006	1.004
Best 3/5	1.108	1.035	0.986	1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.995	1.004	0.999	1.007	1.000	1.000	1.000	1.000			
12/31/1999	0.994	1.000	1.002	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	0.983	1.003	0.999	0.998	1.000	1.022	1.000 *	1.000 *			
12/31/2001	0.991	0.989	0.996	0.983	1.001	1.000 *	1.000 *	1.000 *			
12/31/2002	0.986	0.986	0.997	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.001	1.012	0.999								
12/31/2004	1.017	0.997									
12/31/2005	1.009										
3 Yr Mean	1.009	0.998	0.997	0.994	1.000 @	1.007 @	1.000 @	1.000 @			
Best 3/5	1.000	0.996	0.998	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
12/31/2013					1.010	1.009	1.027	1.011	1.005	1.011	1.003
12/31/2014				1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003
12/31/2015			0.986	1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003
12/31/2016		1.035	0.986	1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003
12/31/2017	1.108	1.035	0.986	1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.072
12/31/2014	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.107
12/31/2015	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.092
12/31/2016	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.130
12/31/2017	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.252

\* 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>
12/31/1998	1,485,114	3,725,900	5,686,292	7,470,628	10,052,738	11,660,908	13,316,293	13,499,361	14,808,981	16,325,652	17,177,462
12/31/1999	2,260,092	3,030,022	5,277,912	7,867,413	9,139,256	11,452,717	12,746,533	14,103,792	15,308,764	17,088,584	17,543,131
12/31/2000	2,516,343	3,825,021	6,168,995	10,095,647	12,765,467	15,953,697	18,533,138	19,473,565	20,116,590	20,961,684	21,400,872
12/31/2001	2,041,421	3,498,520	6,085,372	9,608,708	13,123,883	15,081,618	17,957,549	19,475,506	20,838,333	20,046,328	20,282,982
12/31/2002	1,196,598	3,387,581	6,788,451	8,842,428	11,108,584	12,450,358	13,338,935	15,388,853	14,955,024	15,071,098	15,630,532
12/31/2003	1,603,483	3,943,279	6,593,307	10,687,804	12,722,407	14,679,943	16,526,580	17,644,387	18,901,531	19,929,054	20,830,189
12/31/2004	1,776,784	2,925,785	5,529,008	8,052,591	10,461,439	12,233,168	13,599,968	14,630,128	15,829,991	16,876,555	17,560,704
12/31/2005	2,226,828	4,552,172	7,956,945	8,125,619	9,391,745	10,676,657	12,912,880	14,537,083	15,681,357	16,838,659	17,957,311
12/31/2006	1,596,517	3,714,953	7,122,369	10,126,107	12,191,940	14,370,168	15,840,867	18,130,927	21,313,703	21,978,482	22,782,889
12/31/2007	2,336,400	4,355,403	6,700,299	10,590,461	13,475,113	15,728,339	17,135,263	19,434,354	20,599,619	22,435,996	23,617,581
12/31/2008	2,167,737	5,436,960	9,660,791	13,547,445	16,807,177	19,351,048	20,867,947	21,855,958	22,627,987	23,554,474	
12/31/2009	4,644,675	9,978,543	16,457,161	19,963,530	23,271,158	27,038,654	28,020,818	29,520,562	31,060,268		
12/31/2010	2,773,696	6,170,410	11,301,354	17,321,686	21,774,030	23,871,465	25,217,075	25,673,607			
12/31/2011	2,719,594	5,015,473	8,870,426	12,490,996	15,415,551	18,167,381	19,642,256				
12/31/2012	3,322,140	8,343,069	13,806,727	20,854,881	22,951,182	25,440,380					
12/31/2013	3,193,298	6,883,298	10,532,635	14,560,935	17,305,644						
12/31/2014	3,554,180	6,288,305	9,591,883	12,594,548							
12/31/2015	2,729,525	5,663,552	9,182,242								
12/31/2016	4,372,128	10,309,924									
12/31/2017	2,709,862										

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>
12/31/1998	17,735,567	18,184,774	18,343,644	18,253,294	18,298,816	18,302,064	18,302,356	18,302,635	18,449,690
12/31/1999	18,140,558	17,713,316	17,848,551	17,784,674	17,899,082	17,825,344	17,839,343	17,851,774	
12/31/2000	21,915,818	22,267,867	22,428,522	22,368,141	22,625,159	22,622,244	22,599,951		
12/31/2001	20,771,849	21,233,621	21,777,666	21,839,156	21,834,681	21,885,385			
12/31/2002	16,008,593	16,314,840	16,531,970	16,645,480	16,678,949				
12/31/2003	22,461,103	22,760,218	23,439,989	23,494,175					
12/31/2004	18,474,647	18,781,275	18,825,608						
12/31/2005	18,798,768	19,861,175							
12/31/2006	22,892,286								

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

Increments													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	2,240,786	1,960,392	1,784,336	2,582,110	1,608,170	1,655,385	183,068	1,309,620	1,516,671	851,810	558,105	449,207	158,870
12/31/1999	769,930	2,247,890	2,589,501	1,271,843	2,313,461	1,293,816	1,357,259	1,204,972	1,779,820	454,547	597,427	-427,242	135,235
12/31/2000	1,308,678	2,343,974	3,926,652	2,669,820	3,188,230	2,579,441	940,427	643,025	845,094	439,188	514,946	352,049	160,655
12/31/2001	1,457,099	2,586,852	3,523,336	3,515,175	1,957,735	2,875,931	1,517,957	1,362,827	-792,005	236,654	488,867	461,772	544,045
12/31/2002	2,190,983	3,400,870	2,053,977	2,266,156	1,341,774	888,577	2,049,918	-433,829	116,074	559,434	378,061	306,247	217,130
12/31/2003	2,339,796	2,650,028	4,094,497	2,034,603	1,957,536	1,846,637	1,117,807	1,257,144	1,027,523	901,135	1,630,914	299,115	679,771
12/31/2004	1,149,001	2,603,223	2,523,583	2,408,848	1,771,729	1,366,800	1,030,160	1,199,863	1,046,564	684,149	913,943	306,628	44,333
12/31/2005	2,325,344	3,404,773	168,674	1,266,126	1,284,912	2,236,223	1,624,203	1,144,274	1,157,302	1,118,652	841,457	1,062,407	
12/31/2006	2,118,436	3,407,416	3,003,738	2,065,833	2,178,228	1,470,699	2,290,060	3,182,776	664,779	804,407	109,397		
12/31/2007	2,019,003	2,344,896	3,890,162	2,884,652	2,253,226	1,406,924	2,299,091	1,165,265	1,836,377	1,181,585			
12/31/2008	3,269,223	4,223,831	3,886,654	3,259,732	2,543,871	1,516,899	988,011	772,029	926,487				
12/31/2009	5,333,868	6,478,618	3,506,369	3,307,628	3,767,496	982,164	1,499,744	1,539,706					
12/31/2010	3,396,714	5,130,944	6,020,332	4,452,344	2,097,435	1,345,610	456,532						
12/31/2011	2,295,879	3,854,953	3,620,570	2,924,555	2,751,830	1,474,875							
12/31/2012	5,020,929	5,463,658	7,048,154	2,096,301	2,489,198								
12/31/2013	3,690,000	3,649,337	4,028,300	2,744,709									
12/31/2014	2,734,125	3,303,578	3,002,665										
12/31/2015	2,934,027	3,518,690											
12/31/2016	5,937,796												

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
12/31/1998	0.0890	0.0779	0.0709	0.1025	0.0639	0.0657	0.0073	0.0520	0.0602	0.0338	0.0222	0.0178	0.0063
12/31/1999	0.0284	0.0828	0.0954	0.0469	0.0852	0.0477	0.0500	0.0444	0.0656	0.0167	0.0220	-0.0157	0.0050
12/31/2000	0.0414	0.0741	0.1241	0.0844	0.1008	0.0815	0.0297	0.0203	0.0267	0.0139	0.0163	0.0111	0.0051
12/31/2001	0.0440	0.0782	0.1065	0.1062	0.0592	0.0869	0.0459	0.0412	-0.0239	0.0072	0.0148	0.0140	0.0164
12/31/2002	0.0737	0.1144	0.0691	0.0762	0.0451	0.0299	0.0689	-0.0146	0.0039	0.0188	0.0127	0.0103	0.0073
12/31/2003	0.0711	0.0806	0.1245	0.0619	0.0595	0.0562	0.0340	0.0382	0.0312	0.0274	0.0496	0.0091	0.0207
12/31/2004	0.0491	0.1112	0.1078	0.1029	0.0757	0.0584	0.0440	0.0513	0.0447	0.0292	0.0390	0.0131	0.0019
12/31/2005	0.0903	0.1322	0.0066	0.0492	0.0499	0.0869	0.0631	0.0444	0.0449	0.0434	0.0327	0.0413	
12/31/2006	0.0657	0.1057	0.0931	0.0641	0.0675	0.0456	0.0710	0.0987	0.0206	0.0249	0.0034		
12/31/2007	0.0501	0.0582	0.0965	0.0716	0.0559	0.0349	0.0571	0.0289	0.0456	0.0293			
12/31/2008	0.0744	0.0962	0.0885	0.0742	0.0579	0.0345	0.0225	0.0176	0.0211				
12/31/2009	0.1155	0.1402	0.0759	0.0716	0.0816	0.0213	0.0325	0.0333					
12/31/2010	0.0851	0.1286	0.1509	0.1116	0.0526	0.0337	0.0114						
12/31/2011	0.0628	0.1054	0.0990	0.0800	0.0753	0.0403							
12/31/2012	0.1133	0.1233	0.1591	0.0473	0.0562								
12/31/2013	0.0922	0.0912	0.1007	0.0686									
12/31/2014	0.0691	0.0835	0.0759										
12/31/2015	0.0891	0.1068											
12/31/2016	0.1415												

Best 3/5	0.0982	0.1012	0.1169	0.0734	0.0631	0.0344	0.0373	0.0356	0.0369	0.0287	0.0281	0.0125	0.0096
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PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE  
 PROPERTY DAMAGE - OCCURRENCE  
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	183:171	195:183	207:195	Link Ratios 219:207	231:219	243:231	Ult:243
12/31/1998	0.995	1.002	1.000	1.000	1.000	1.008	1.000 *
12/31/1999	0.996	1.006	0.996	1.001	1.001	1.000 *	1.000 *
12/31/2000	0.997	1.011	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	1.007	1.002	1.004 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.002						
Best 3/5	1.001	1.004	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.006

<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>
	0.676	0.578	0.476	0.360	0.286	0.223	0.189
<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>
	0.151	0.116	0.079	0.050	0.022	0.010	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	9,350,031	33,042,390	0.476	15,728,179	25,078,210	1.006	25,228,377
12/31/2016	10,485,072	44,806,708	0.578	25,898,286	36,383,358	1.006	36,601,364
12/31/2017	2,908,692	39,782,690	0.676	26,893,125	29,801,817	1.006	29,980,277

\* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2013 - 2017

<u>Item *</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2013 - 2017 Mean</u>
1. Direct Losses Incurred	\$19,650,392	\$20,723,228	\$25,486,854	\$26,406,385	\$23,400,844	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,575,153	\$5,301,984	\$6,171,818	\$5,132,541	\$6,233,925	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,296,595	\$2,476,228	\$2,580,924	\$2,694,622	\$2,384,924	
4. Incurred Losses + ALAE [(1) + (2)]	\$25,225,545	\$26,025,212	\$31,658,672	\$31,538,926	\$29,634,769	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.1%	9.5%	8.2%	8.5%	8.0%	8.7%
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) 7/1/2015 to 7/1/2020 AYE 12/31/2015	+ 1.5%	
	b) 7/1/2016 to 7/1/2020 AYE 12/31/2016	+ 1.9%	
	c) 7/1/2017 to 7/1/2020 AYE 12/31/2017	+ 2.2%	
(2)	<u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>
	a) Fitted		
	All Years	+ 4.2%	+ 5.8%
	Eight Years	+ 5.6%	+ 8.2%
	Six Years	+ 2.2%	+ 6.7%
	b) Selected	+ 2.5%	+ 6.5%
(3)	<u>FREQUENCY TREND</u>		
	Selected	- 1.5%	
(4)	<u>TOTAL ANNUAL NET TREND</u>		
	Net trend = (frequency trend x severity trend) / exposure trend		

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

PRODUCTS  
AVERAGE ANNUAL EXPOSURE TRENDS  
FOR ACCIDENT YEARS ENDING 12/31/2015, 12/31/2016 & 12/31/2017

(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>		
2007	1		0.955			2014	1		1.012		
	2		0.959				2		1.016		
	3		0.961				3		1.020		
	4		0.963				4		1.022		
2008	1		0.962			2015	1		1.025		
	2		0.958				2		1.027		
	3		0.956				3		1.029		
	4		0.957				4		1.031		
2009	1		0.961			2016	1		1.031		
	2		0.966				2		1.032		
	3		0.969				3		1.031		
	4		0.968				4		1.032		
2010	1		0.964			2017	1		1.035		
	2		0.962				2		1.036		
	3		0.962				3		1.039		
	4		0.965				4		1.042		
2011	1		0.968			2018	1		1.044		
	2		0.973				2		1.049		
	3		0.978				3P		1.054		
	4		0.982				4P		1.060		
2012	1		0.986			2019	1P		1.067		
	2		0.990				2P		1.075		
	3		0.995				3P		1.084		
	4		1.000				4P		1.093		
2013	1		1.004			2020	1P		1.100		
	2		1.006				2P		1.105		
	3		1.008				3P		1.109		
	4		1.010				4P		1.112		

CHANGE IN EXPOSURES		PRODUCTS
7/1/2015 to 7/1/2020	(2020:4/2015:4)	1.079
7/1/2016 to 7/1/2020	(2020:4/2016:4)	1.078
7/1/2017 to 7/1/2020	(2020:4/2017:4)	1.068

AVERAGE ANNUAL TREND FACTOR		
7/1/2015 to 7/1/2020	( 5.0 YRS )	1.015
7/1/2016 to 7/1/2020	( 4.0 YRS )	1.019
7/1/2017 to 7/1/2020	( 3.0 YRS )	1.022

\* 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>
12/31/2008	\$38,766,634	1,198	\$32,359	\$26,611		
12/31/2009	30,614,320	1,245	24,590	27,739		
12/31/2010	31,457,799	1,180	26,659	28,916	\$27,400	
12/31/2011	27,862,749	1,094	25,469	30,142	28,927	
12/31/2012	38,000,817	1,023	37,146	31,420	30,540	\$33,991
12/31/2013	27,285,494	857	31,838	32,753	32,242	34,738
12/31/2014	24,461,289	666	36,729	34,142	34,039	35,500
12/31/2015	20,654,994	617	33,476	35,590	35,936	36,280
12/31/2016	20,773,372	581	35,755	37,100	37,939	37,077
12/31/2017	19,190,405	467	41,093	38,673	40,053	37,891
Goodness of Fit Statistic, R-Squared:				0.521	0.637	0.210
Average Annual Severity Trend (10 yr)				+ 4.2%		
Average Annual Severity Trend ( 8 yr)				+ 5.6%		
Average Annual Severity Trend ( 6 yr)				+ 2.2%		
Selected Annual Severity Trend				+ 2.5%		

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

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

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

(1) 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
12/31/2008	\$49,740,303	1,407	\$35,352	\$33,494		
12/31/2009	59,123,988	1,442	41,001	35,437		
12/31/2010	50,888,079	1,515	33,589	37,493	\$33,775	
12/31/2011	43,245,141	1,262	34,267	39,668	36,555	
12/31/2012	53,814,860	1,196	44,996	41,969	39,564	\$41,491
12/31/2013	46,658,825	1,099	42,456	44,404	42,820	44,266
12/31/2014	43,613,705	983	44,368	46,980	46,344	47,227
12/31/2015	41,334,400	896	46,132	49,706	50,159	50,386
12/31/2016	52,645,739	864	60,933	52,590	54,287	53,756
12/31/2017	43,715,916	773	56,554	55,641	58,755	57,351

Goodness of Fit Statistic, R-Squared: 0.733 0.855 0.671

Average Annual Severity Trend (10 yr) + 5.8%

Average Annual Severity Trend ( 8 yr) + 8.2%

Average Annual Severity Trend ( 6 yr) + 6.7%

Selected Annual Severity Trend + 6.5%

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

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

(See 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> <sup>1</sup>	(4) Occurrence Frequency <u>(3)/(2)</u> <sup>2</sup>
12/31/2004	\$ 107,976,215	3,576	33.11
12/31/2005	105,028,944	2,955	28.13
12/31/2006	103,228,129	3,013	29.19
12/31/2007	105,422,178	3,337	31.66
12/31/2008	112,287,020	3,219	28.67
12/31/2009	123,379,953	3,678	29.81
12/31/2010	129,196,347	3,686	28.53
12/31/2011	132,370,073	3,355	25.35
12/31/2012	133,400,484	3,210	24.06
12/31/2013	134,211,810	3,093	23.04
12/31/2014	135,944,006	2,830	20.82
12/31/2015	141,970,713	2,548	17.95
12/31/2016	146,581,441	2,439	16.64
12/31/2017	149,572,365	2,124	14.20

Selected Annual Frequency Trend: - 1.5%

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

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

## 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  $i$ .

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

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

## 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 0.999 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 \* .965 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	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	277080	1200285	1.88173	.1557	1.061	1.203	1.034	.020	.021	5.0	.020	.021
10141	485039	2225492	1.78861	.2217	1.104	1.252	1.076	.022	.024	9.1	.022	.024
12361	2649951	13037098	.92910	.5736	.921	1.044	.898	.091	.082	-9.9	.091	.082
12373	251235	892179	.39374	.1336	.840	.952	.819	.031	.025	-19.4	.031	.025
13049	228578	1127515	1.26882	.1505	.963	1.092	.939	.058	.054	-6.9	.058	.054
13111	59495	325479	.54753	.0897	.877	.994	.855	.113	.097	-14.2	.113	.097
13112	2326085	11149673	.80361	.5370	.853	.967	.831	.083	.069	-16.9	.083	.069
13621	551255	3053542	.78810	.2680	.877	.994	.855	.420	.360	-14.3	.420	.360
13670	324324	1524424	1.48659	.1777	1.012	1.147	.986	.013	.013	0.0	.013	.013
15223	1096521	5432088	1.09083	.3747	.977	1.108	.953	.035	.033	-5.7	.035	.033
15406	290219	1321061	1.25201	.1640	.966	1.095	.941	.047	.044	-6.4	.047	.044
16604	2009454	10860518	.53516	.5309	.711	.806	.693	.212	.147	-30.7	.212	.147
51300	20458	41813	.00000	.0661	.849	.963	.828	.209	.173	-17.2	.209	.173
51305	23837	66902	.12868	.0682	.856	.971	.835	1.230	1.030	-16.3	1.230	1.030
51315	1036706	4310329	.99691	.3286	.938	1.063	.914	.116	.106	-8.6	.116	.106
51350	241248	1133955	.33810	.1510	.823	.933	.802	.177	.142	-19.8	.177	.142
51351	24974	108356	.20909	.0717	.859	.974	.837	.054	.045	-16.7	.054	.045
51352	131282	551469	.34265	.1077	.848	.961	.826	.138	.114	-17.4	.138	.114
51355	212069	1083277	.47249	.1474	.845	.958	.824	.116	.096	-17.2	.116	.096
51356	70105	312488	.03453	.0887	.832	.943	.811	.850	.690	-18.8	.850	.690
51357	2802	10606	11.51574	.0634	1.582	1.794	1.543	.430	.530	23.3	.430	.530
51358	15330	73740	.38789	.0688	.874	.991	.852	.175	.149	-14.9	.175	.149
51359	93809	292007	.25148	.0870	.852	.966	.831	1.010	.840	-16.8	1.010	.840
51752	819538	3923346	.62310	.3110	.820	.930	.800	.199	.159	-20.1	.199	.159
52002	1634967	7451197	1.29912	.4436	1.082	1.227	1.055	.112	.118	5.4	.112	.118
53001	3165579	15237641	.87192	.6095	.887	1.006	.865	.380	.330	-13.2	.380	.330
53374	9622439	41157614	.84585	.8040	.858	.973	.837	.450	.380	-15.6	.450	.380
53375	2340180	10248105	1.20783	.5173	1.064	1.206	1.037	.244	.250	2.5	.244	.250
53376	584740	2833788	.88764	.2563	.904	1.025	.881	.212	.187	-11.8	.212	.187
53377	3505364	15996522	.73384	.6205	.800	.907	.780	.270	.211	-21.9	.270	.211
53565	320816	1190963	.23398	.1550	.805	.913	.785	.158	.124	-21.5	.158	.124
55371	32349	141590	.00000	.0745	.842	.955	.821	.158	.130	-17.7	.158	.130
56488	79220	286913	.58444	.0866	.881	.999	.859	.039	.034	-12.8	.039	.034
56758	123708	524419	.76607	.1056	.894	1.014	.872	.178	.155	-12.9	.178	.155
56759	1168304	4622030	.62190	.3421	.811	.920	.791	.118	.093	-21.2	.118	.093
56760	2167119	10367531	.80592	.5200	.856	.971	.835	.127	.106	-16.5	.127	.106
57002	270011	1038412	.59556	.1442	.864	.980	.843	.130	.110	-15.4	.130	.110

X-TILDE: .853 X-TILDE (MONOLINE): .882 PI-TILDE: .0038214  
 TAU SQUARED: .03000 SIGMA SQUARED: 326330.22905

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 \* .965 \* .891

CLASS	AYE 2017 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	215022	1071862	.71742	.1466	.881	.999	.859	.050	.043	-14.0	.050	.043
57913	1122464	4964176	.40931	.3563	.731	.829	.713	.430	.310	-27.9	.430	.310
59537	325759	1122981	1.51057	.1502	1.000	1.134	.975	.172	.168	-2.3	.172	.168
59647	72557	281277	.55467	.0861	.879	.997	.857	.205	.176	-14.1	.205	.176
59904	16745	91267	.00000	.0703	.845	.958	.824	.080	.066	-17.5	.080	.066
59905	179655	708029	1.39719	.1198	.968	1.098	.944	.138	.130	-5.8	.138	.130
59925	1163	5480	3.29890	.0630	1.060	1.202	1.033	1.060	1.090	2.8	1.060	1.090
59926	313328	1547932	.69142	.1793	.870	.986	.848	.490	.420	-14.3	.490	.420
59927	95613	217978	1.21263	.0809	.934	1.059	.911	1.710	1.560	-8.8	1.710	1.560
59963	46721	177583	.11708	.0776	.848	.961	.826	.540	.450	-16.7	.540	.450
59964	256320	1126674	1.15214	.1505	.946	1.073	.923	.066	.061	-7.6	.066	.061

X-TILDE: .853      X-TILDE (MONOLINE): .882      PI-TILDE: .0038214  
TAU SQUARED: .03000      SIGMA SQUARED: 326330.22905

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 \* 1.023 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	FORMULA CRED. (4)	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	186671	876721	.40222	.1477	.885	.900	.820	.224	.184	-17.9	.224	.184
10040	1168882	4800185	1.07972	.3655	1.009	1.026	.935	.300	.280	-6.7	.300	.280
10070	1984400	9836293	1.18207	.5222	1.080	1.099	1.002	.141	.141	0.0	.141	.141
10101	416359	2002393	.82093	.2241	.935	.951	.867	.191	.166	-13.1	.191	.166
10111	220796	932165	.60870	.1518	.914	.930	.848	.098	.083	-15.3	.098	.083
10255	2792435	12213379	.89512	.5721	.926	.942	.859	.152	.131	-13.8	.152	.131
10256	10670	58813	1.36733	.0820	1.001	1.018	.928	.158	.147	-7.0	.158	.147
10257	3201594	13619040	.95992	.5970	.963	.980	.893	.187	.167	-10.7	.187	.167
11126	260331	1260867	.61081	.1754	.906	.922	.840	.024	.020	-16.7	.024	.020
11203	8780	44136	.00000	.0808	.890	.905	.825	.650	.540	-16.9	.650	.540
11248	13983	70593	.70405	.0831	.946	.962	.877	.022	.019	-13.6	.022	.019
12391	2096310	9581579	1.00311	.5162	.986	1.003	.914	.100	.091	-9.0	.100	.091
12509	64516	321382	.05957	.1042	.874	.889	.810	.047	.038	-19.1	.047	.038
12651	676706	3087567	.90643	.2858	.951	.967	.881	.560	.490	-12.5	.560	.490
12707	277556	1276383	.51091	.1765	.888	.903	.823	.790	.650	-17.7	.790	.650
12797	1030426	4841810	1.28649	.3672	1.085	1.104	1.006	.168	.169	0.6	.168	.169
13201	23551	118834	.12305	.0872	.895	.910	.829	.201	.167	-16.9	.201	.167
13204	1280899	7681343	1.49790	.4657	1.215	1.236	1.127	1.240	1.400	12.9	1.240	1.400
13205	462505	2009140	1.24194	.2245	1.030	1.048	.955	.450	.430	-4.4	.450	.430
13314	260	1163	.00000	.0770	.894	.909	.829	.020	.017	-15.0	.020	.017
13410	3807522	20254007	1.05928	.6838	1.031	1.049	.956	2.550	2.440	-4.3	2.550	2.440
13412	845697	5913621	.99773	.4084	.980	.997	.909	1.110	1.010	-9.0	1.110	1.010
13590	4088230	17705239	1.06206	.6552	1.030	1.048	.955	.770	.740	-3.9	.770	.740
13715	1808285	9045822	1.22748	.5029	1.099	1.118	1.019	.151	.154	2.0	.151	.154
13930	1036824	4762464	1.35766	.3639	1.110	1.129	1.029	.205	.211	2.9	.205	.211
14068	10271	49633	.00000	.0812	.890	.905	.825	.018	.015	-16.7	.018	.015
14527	389075	1849244	.94769	.2145	.964	.981	.894	.202	.181	-10.4	.202	.181
14855	63703	368206	.06414	.1080	.871	.886	.808	.200	.162	-19.0	.200	.162
16005	482304	2300287	.80004	.2421	.928	.944	.860	.040	.034	-15.0	.040	.034
16009	28877	147139	3.22449	.0896	1.171	1.191	1.086	.073	.079	8.2	.073	.079
16527	5747637	27178318	.91659	.7418	.930	.946	.862	.420	.360	-14.3	.420	.360
16705	298632	1092478	.86405	.1635	.951	.967	.881	.173	.152	-12.1	.173	.152
16750	608811	2090040	.33074	.2295	.822	.836	.762	.041	.031	-24.4	.041	.031
18205	536973	2601941	.77363	.2595	.918	.934	.851	.360	.310	-13.9	.360	.310
18616	2916728	12153250	.93633	.5709	.950	.966	.881	.610	.540	-11.5	.610	.540
18707	13411	62156	4.85099	.0823	1.288	1.310	1.194	.003	.003	0.0	.003	.003
45771	233194	1371074	.37918	.1830	.861	.876	.798	.220	.176	-20.0	.220	.176

U

X-TILDE: .989 X-TILDE (MONOLINE): .983 PI-TILDE: .0048163  
TAU SQUARED: .03000 SIGMA SQUARED: 316645.99419

L - CAPPED DOWN  
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.023 \* .891

CLASS	AYE 2017 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	470712	2663706	.48318	.2629	.841	.856	.780	.060	.047	-21.7	.060	.047
53907	2745971	10688827	.77168	.5414	.862	.877	.799	.139	.111	-20.1	.139	.111

X-TILDE: .989 X-TILDE (MONOLINE): .983 PI-TILDE: .0048163  
 TAU SQUARED: .03000 SIGMA SQUARED: 316645.99419

L - CAPPED DOWN  
 U - CAPPED UP  
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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 \* 1.018 \* .891

CLASS	AYE 2017 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	2387	8760	.33390	.1524	.650	.690	.626	.072	.050	-30.6	.072	.050	L
51575	303354	1481844	.76405	.4255	.731	.776	.704	.028	.020	-28.6	.028	.020	
51576	229149	928392	.92242	.3463	.781	.829	.752	.100	.075	-25.0	.100	.075	
51613	133152	618383	.51134	.2917	.650	.690	.626	.200	.138	-31.0	.200	.138	L
51666	76486	341219	1.27976	.2345	.841	.893	.810	.127	.103	-18.9	.127	.103	
51767	2032	14356	.00000	.1539	.598	.635	.576	.012	.009	-25.0	.012	.009	L
51833	3332	19682	.51926	.1554	.677	.719	.652	.103	.072	-30.1	.103	.072	L
51869	209824	748443	.89241	.3157	.765	.812	.737	.190	.140	-26.3	.190	.140	
51889	1186	6845	.00000	.1519	.599	.636	.577	.020	.014	-30.0	.020	.014	L
51941	1914854	8943586	.96687	.7817	.910	.966	.876	.045	.039	-13.3	.045	.039	
52469	2273394	11370400	1.22338	.8183	1.129	1.199	1.088	.100	.109	9.0	.100	.109	
55647	530086	2439334	.66702	.5249	.686	.728	.660	.080	.056	-30.0	.080	.056	L
55802	35534	168032	.09939	.1938	.589	.625	.567	.013	.009	-30.8	.013	.009	L
56040	975	5279	.00000	.1514	.600	.637	.578	.057	.040	-29.8	.057	.040	L
57257	38541	165954	.92374	.1933	.749	.795	.721	.050	.036	-28.0	.050	.036	
57410	35310	159827	.00000	.1918	.571	.606	.550	.188	.130	-30.9	.188	.130	L
58503	35912	130626	1.32981	.1845	.822	.873	.792	.077	.061	-20.8	.077	.061	
58627	3079	17011	.00000	.1547	.597	.634	.575	.022	.016	-27.3	.022	.016	L
59257	354	3839	.00000	.1511	.600	.637	.578	.021	.015	-28.6	.021	.015	L
59923	3075	74270	.00000	.1699	.586	.622	.564	.007	.005	-28.6	.007	.005	L

X-TILDE: 1.008 X-TILDE (MONOLINE): .942 PI-TILDE: .0072008  
TAU SQUARED: .03000 SIGMA SQUARED: 92725.26603

L - CAPPED DOWN  
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.007 \* .891

CLASS	AYE 2017 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	30102	141815	.01013	.0397	.871	.954	.856	.044	.038	-13.6	.044	.038
51001	5001	16432	.00000	.0277	.881	.965	.866	.530	.460	-13.2	.530	.460
51116	654100	3074348	1.51130	.2547	1.060	1.161	1.042	.550	.570	3.6	.550	.570
51240	79630	292035	.23737	.0537	.870	.953	.855	.213	.182	-14.6	.213	.182
51241	450002	2149407	.84338	.1981	.894	.979	.878	.340	.300	-11.8	.340	.300
51330	173006	823954	1.97635	.1001	1.013	1.110	.996	.430	.430	0.0	.430	.430
51370	166411	442996	.00000	.0673	.845	.926	.831	6.020	5.000	-16.9	6.020	5.000
51500	347595	1951060	.80930	.1848	.888	.973	.873	.125	.109	-12.8	.125	.109
51550	17966	78753	.50308	.0337	.893	.978	.877	.410	.360	-12.2	.410	.360
51551	32350	60390	.23840	.0319	.885	.969	.869	1.060	.920	-13.2	1.060	.920
51552	8390	20294	2.71051	.0281	.957	1.048	.940	.169	.159	-5.9	.169	.159
51600	159565	752068	.50701	.0941	.869	.952	.854	.232	.198	-14.7	.232	.198
51734	7155	57185	.00000	.0316	.878	.962	.863	.360	.310	-13.9	.360	.310
51741	146935	747539	1.08282	.0937	.923	1.011	.907	.280	.250	-10.7	.280	.250
51777	149596	756073	1.11774	.0944	.926	1.014	.910	.084	.076	-9.5	.084	.076
51808	166651	738813	1.70537	.0930	.981	1.074	.964	.760	.730	-3.9	.760	.730
51809	25778	108812	.00000	.0365	.873	.956	.858	.184	.158	-14.1	.184	.158
51877	113859	524131	.32562	.0745	.863	.945	.848	.260	.220	-15.4	.260	.220
51896	866284	4201576	.82407	.3138	.881	.965	.866	.023	.020	-13.0	.023	.020
51900	12541	70711	.80574	.0329	.903	.989	.887	.105	.093	-11.4	.105	.093
51909	159	1280	.00000	.0262	.883	.967	.868	.066	.057	-13.6	.066	.057
51926	345792	1647885	.49820	.1636	.840	.920	.825	.049	.040	-18.4	.049	.040
51927	487801	1886265	1.02147	.1804	.927	1.015	.911	.126	.115	-8.7	.126	.115
51934	242444	869481	.01392	.1038	.814	.892	.800	.178	.142	-20.2	.178	.142
51956	2044412	9223661	.75970	.4929	.834	.913	.819	.300	.246	-18.0	.300	.246
51957	1307227	6545100	1.07992	.4109	.978	1.071	.961	.420	.400	-4.8	.420	.400
51960	5537	43820	.00000	.0303	.879	.963	.864	.420	.360	-14.3	.420	.360
51982	12070	70126	.00000	.0329	.877	.961	.862	.099	.085	-14.1	.099	.085
51986	73583	407354	.04493	.0641	.851	.932	.836	.128	.107	-16.4	.128	.107
51999	194239	843446	.47907	.1017	.863	.945	.848	.540	.460	-14.8	.540	.460
52075	50840	243620	.51476	.0492	.887	.972	.872	.290	.250	-13.8	.290	.250
52134	2417494	12399003	.98864	.5647	.953	1.044	.937	.750	.700	-6.7	.750	.700
52315	493163	2248127	.89360	.2045	.904	.990	.888	.270	.240	-11.1	.270	.240
52505	57933	310808	1.17414	.0554	.921	1.009	.905	.224	.203	-9.4	.224	.203
52547	263366	1290168	1.30659	.1372	.961	1.053	.945	.093	.088	-5.4	.093	.088
52911	1726759	6479186	.58286	.4085	.774	.848	.761	.680	.520	-23.5	.680	.520
52967	39604	145073	.36768	.0400	.885	.969	.869	.074	.064	-13.5	.074	.064

X-TILDE: .918 X-TILDE (MONOLINE): .913 PI-TILDE: .0016763  
TAU SQUARED: .03000 SIGMA SQUARED: 300617.20672

L - CAPPED DOWN  
U - CAPPED UP  
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.007 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	FORMULA CRED. (4)	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	47011	317984	.09205	.0560	.861	.943	.846	.540	.460	-14.8	.540	.460
53333	78801	377555	.96751	.0614	.910	.997	.895	.238	.213	-10.5	.238	.213
53631	262	1828	.00000	.0263	.882	.966	.867	.025	.022	-12.0	.025	.022
53632	1559	8497	.00000	.0269	.882	.966	.867	.040	.035	-12.5	.040	.035
53732	1990770	9291892	.63513	.4947	.772	.846	.759	.600	.460	-23.3	.600	.460
53733	4195922	18204635	1.06373	.6542	1.009	1.105	.991	.260	.260	0.0	.260	.260
54077	664106	3672575	1.09127	.2873	.959	1.050	.942	.390	.370	-5.1	.390	.370
55010	127608	609972	.73970	.0820	.893	.978	.877	1.250	1.100	-12.0	1.250	1.100
55011	341049	1803620	2.16671	.1746	1.126	1.233	1.106	1.140	1.260	10.5	1.140	1.260
55012	50559	198033	.78321	.0450	.901	.987	.886	1.320	1.170	-11.4	1.320	1.170
55013	380346	1533483	1.26779	.1553	.962	1.054	.946	1.050	.990	-5.7	1.050	.990
55214	1277	5926	.00000	.0267	.882	.966	.867	.103	.089	-13.6	.103	.089
55715	60093	180904	.29984	.0434	.880	.964	.865	.270	.234	-13.3	.270	.234
55716	32925	179438	.73054	.0432	.899	.985	.884	.590	.520	-11.9	.590	.520
56202	176585	1754802	.30618	.1712	.804	.881	.790	.126	.100	-20.6	.126	.100
56390	270501	927449	2.11931	.1086	1.038	1.137	1.020	.620	.630	1.6	.620	.630
56391	885637	4769054	.86372	.3401	.892	.977	.877	.360	.320	-11.1	.360	.320
56427	16128	100837	.00000	.0358	.874	.957	.859	.146	.125	-14.4	.146	.125
56690	5203	18822	.00000	.0279	.881	.965	.866	.420	.360	-14.3	.420	.360
56699	156289	741848	2.17126	.0932	1.024	1.122	1.007	.051	.051	0.0	.051	.051
56916	698432	3071590	1.15804	.2546	.970	1.062	.953	.196	.187	-4.6	.196	.187
57090	167037	587858	.89559	.0801	.905	.991	.889	.710	.630	-11.3	.710	.630
57401	10587	42361	.00000	.0302	.879	.963	.864	.113	.098	-13.3	.113	.098
57403	522	4309	.00000	.0265	.882	.966	.867	.041	.036	-12.2	.041	.036
57572	77872	463124	.70231	.0691	.892	.977	.877	.107	.094	-12.1	.107	.094
57600	62895	232237	.00003	.0481	.863	.945	.848	.039	.033	-15.4	.039	.033
57611	82703	381053	.36747	.0618	.873	.956	.858	.075	.064	-14.7	.075	.064
57690	388961	1647299	.34622	.1636	.815	.893	.801	.640	.510	-20.3	.640	.510
57716	274379	1590627	.47094	.1595	.837	.917	.823	.106	.087	-17.9	.106	.087
57725	1005208	4033138	1.14708	.3056	.980	1.073	.963	.094	.091	-3.2	.094	.091
57726	53078	300539	2.84037	.0544	1.012	1.108	.994	.019	.019	0.0	.019	.019
57810	4715	24328	.00000	.0284	.881	.965	.866	.126	.109	-13.5	.126	.109
57871	31999	228943	1.45244	.0478	.932	1.021	.916	.127	.116	-8.7	.127	.116
57998	37062	159972	.56205	.0414	.892	.977	.877	.067	.059	-11.9	.067	.059
57999	7395	41067	.31656	.0301	.889	.974	.874	.081	.071	-12.3	.081	.071
58095	1717108	7398207	1.02101	.4397	.957	1.048	.940	1.950	1.830	-6.2	1.950	1.830
58096	1633586	6051184	1.13838	.3928	.997	1.092	.980	1.060	1.040	-1.9	1.060	1.040

X-TILDE: .918 X-TILDE (MONOLINE): .913 PI-TILDE: .0016763  
TAU SQUARED: .03000 SIGMA SQUARED: 300617.20672

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 \* 1.007 \* .891

CLASS	AYE 2017 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	71203	263259	2.09590	.0510	.967	1.059	.950	.086	.082	-4.7	.086	.082
58302	63805	284229	.22409	.0529	.870	.953	.855	.064	.055	-14.1	.064	.055
58397	1452198	6220733	.82818	.3991	.875	.958	.860	.970	.830	-14.4	.970	.830
58575	14498	103733	.00000	.0361	.874	.957	.859	.143	.123	-14.0	.143	.123
58663	1759173	7170994	.81443	.4323	.867	.950	.852	1.870	1.590	-15.0	1.870	1.590
58802	40759	228272	1.07646	.0478	.914	1.001	.898	.500	.450	-10.0	.500	.450
58837	6234	42670	13.27736	.0302	1.280	1.402	1.258	.132	.165	25.0	.132	.165
58840	4093	11612	.00000	.0272	.882	.966	.867	.128	.111	-13.3	.128	.111
58873	223863	1095639	.95135	.1221	.912	.999	.896	.034	.030	-11.8	.034	.030
58904	15350	64641	.00000	.0323	.877	.961	.862	.152	.131	-13.8	.152	.131
58922	1432852	7000122	.63429	.4266	.790	.865	.776	.241	.187	-22.4	.241	.187
59005	241366	1353772	.87863	.1420	.902	.988	.886	.108	.096	-11.1	.108	.096
59188	171	896	.00000	.0262	.883	.967	.868	.065	.056	-13.8	.065	.056
59189	2823	16175	.00000	.0277	.881	.965	.866	.350	.300	-14.3	.350	.300
59223	126681	785433	.86019	.0969	.902	.988	.886	.087	.077	-11.5	.087	.077
59378	0	101	.00000	.0261	.883	.967	.868	.175	.152	-13.1	.175	.152
59481	95429	395932	.51416	.0631	.882	.966	.867	.101	.088	-12.9	.101	.088
59701	14087	58980	6.79945	.0318	1.094	1.198	1.075	.227	.244	7.5	.227	.244
59713	387734	1685691	.91917	.1663	.908	.995	.893	.370	.330	-10.8	.370	.330
59722	69355	332015	.89980	.0573	.906	.992	.890	.036	.032	-11.1	.036	.032
59723	16203	185706	.51016	.0438	.889	.974	.874	.044	.038	-13.6	.044	.038
59726	149553	818660	1.41792	.0996	.957	1.048	.940	.026	.024	-7.7	.026	.024
59738	15771	106105	.00000	.0363	.873	.956	.858	.077	.066	-14.3	.077	.066
59773	1	837	.00000	.0262	.883	.967	.868	.032	.028	-12.5	.032	.028
59774	45	949	.00000	.0262	.883	.967	.868	.175	.152	-13.1	.175	.152
59775	0	0	.00000	.0000	.000	.000	.000	.211	.189	-10.4	.211	.189
59798	724077	3412782	.79154	.2735	.875	.958	.860	.530	.460	-13.2	.530	.460
59886	27643	151228	.00000	.0406	.870	.953	.855	.131	.112	-14.5	.131	.112
59889	16268	109142	1.32307	.0366	.922	1.010	.906	.169	.153	-9.5	.169	.153
59914	924446	4175393	.90282	.3125	.905	.991	.889	.700	.620	-11.4	.700	.620
59915	237024	792257	.85844	.0974	.902	.988	.886	.880	.780	-11.4	.880	.780
59917	58897	360272	2.90047	.0599	1.026	1.124	1.008	.164	.165	0.6	.164	.165
59931	235023	959517	.57049	.1112	.869	.952	.854	.690	.590	-14.5	.690	.590
59932	69478	317869	.00000	.0560	.856	.938	.842	1.110	.930	-16.2	1.110	.930
59947	12418	137520	.00000	.0393	.871	.954	.856	.390	.330	-15.4	.390	.330
59955	26258	100923	.00000	.0358	.874	.957	.859	.171	.147	-14.0	.171	.147
59970	23547	111267	.00000	.0368	.873	.956	.858	.212	.182	-14.2	.212	.182

X-TILDE: .918 X-TILDE (MONOLINE): .913 PI-TILDE: .0016763  
TAU SQUARED: .03000 SIGMA SQUARED: 300617.20672

L - CAPPED DOWN  
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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 \* 1.007 \* .891

CLASS	AYE 2017 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	660392	2924489	1.45607	.2461	1.042	1.141	1.024	.237	.243	2.5	.237	.243
59984	25587	142572	.00000	.0397	.870	.953	.855	.064	.055	-14.1	.064	.055
59988	1632	17205	.00000	.0278	.881	.965	.866	.069	.060	-13.0	.069	.060
59989	9	36	.00000	.0261	.883	.967	.868	.052	.045	-13.5	.052	.045

X-TILDE: .918 X-TILDE (MONOLINE): .913 PI-TILDE: .0016763  
 TAU SQUARED: .03000 SIGMA SQUARED: 300617.20672

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 07

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.006 \* .891

CLASS	AYE 2017 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	94928	583436	.58439	.1760	.770	.878	.787	.830	.650	-21.7	.830	.650
50010	70367	359762	.02628	.1473	.694	.791	.709	.820	.580	-29.3	.820	.580
51205	2098	8731	.00000	.0981	.730	.832	.746	.111	.083	-25.2	.111	.083
51206	13578	36027	.00000	.1021	.727	.829	.743	.610	.450	-26.2	.610	.450
51220	99574	514355	.61834	.1673	.778	.887	.795	3.250	2.580	-20.6	3.250	2.580
51221	835100	3380235	.73979	.4198	.780	.889	.797	2.440	1.940	-20.5	2.440	1.940
51222	227717	1122335	1.20056	.2377	.903	1.030	.923	3.380	3.120	-7.7	3.380	3.120
51224	963695	4140046	1.42301	.4630	1.094	1.247	1.118	1.190	1.330	11.8	1.190	1.330
51230	0	0	.00000	.0000	.000	.000	.000	.880	.790	-10.2	.880	.790
51252	2008606	9078986	.94712	.6380	.897	1.023	.917	.110	.101	-8.2	.110	.101
51254	5421	17596	.00000	.0994	.729	.831	.745	.060	.045	-25.0	.060	.045
51333	160711	553744	1.21772	.1723	.880	1.003	.899	.340	.310	-8.8	.340	.310
51958	296443	1404441	1.42193	.2665	.973	1.109	.994	.390	.390	0.0	.390	.390
51970	812320	3978535	1.20056	.4543	.987	1.125	1.008	.250	.250	0.0	.250	.250
52433	89169	418852	.77411	.1551	.804	.917	.822	1.460	1.200	-17.8	1.460	1.200
52581	302749	2323760	.28578	.3468	.628	.716	.642	5.330	3.680	-31.0	5.330	3.680
52744	1855	19719	.00000	.0997	.729	.831	.745	.126	.094	-25.4	.126	.094
53077	229859	1734068	.70142	.2974	.778	.887	.795	.248	.197	-20.6	.248	.197
55597	0	0	.00000	.0000	.000	.000	.000	1.990	1.780	-10.6	1.990	1.780
55918	322	35672	.00000	.1020	.727	.829	.743	4.300	3.190	-25.8	4.300	3.190
55919	0	5	.00000	.0968	.731	.834	.748	4.860	3.640	-25.1	4.860	3.640
56912	1022646	5028719	.75884	.5060	.784	.894	.801	.105	.084	-20.0	.105	.084
57146	401742	1696506	1.11325	.2940	.899	1.025	.919	.730	.670	-8.2	.730	.670
58737	71597	376995	.21960	.1496	.721	.822	.737	1.010	.740	-26.7	1.010	.740
59601	181243	531136	.41218	.1694	.742	.846	.758	3.050	2.310	-24.3	3.050	2.310
59660	486449	2817450	1.10973	.3831	.925	1.055	.946	1.200	1.140	-5.0	1.200	1.140
59724	62315	197433	.00000	.1252	.708	.807	.723	.031	.022	-29.0	.031	.022
59725	550033	2590483	1.30754	.3669	.992	1.131	1.014	.103	.104	1.0	.103	.104
59750	8872	44519	1.08311	.1033	.838	.956	.857	.280	.240	-14.3	.280	.240
59781	595605	2969773	.89243	.3935	.842	.960	.860	.088	.076	-13.6	.088	.076
59782	472863	2256746	.45848	.3415	.690	.787	.705	.690	.490	-29.0	.690	.490

L

X-TILDE: .930 X-TILDE (MONOLINE): .877 PI-TILDE: .0059437  
TAU SQUARED: .03000 SIGMA SQUARED: 182148.78409

L - CAPPED DOWN  
U - CAPPED UP  
N - NOT SUBJECT TO CAPPING  
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SECTION G  
SUPPORTING MATERIAL -- LOCAL PRODUCTS/COMPLETED OPERATIONS  
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MULTISTATE  
LOCAL PRODUCTS/COMPLETED OPERATIONS  
CALCULATION OF AGGREGATE LOSS COSTS  
AT CURRENT LEVEL

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	EXPOSURE TREND#	AVERAGE IPMF*	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	12/31/2015	\$75,423,592	1.000	1.141		\$86,058,319
	12/31/2016	83,804,483	1.000	1.111		93,106,781
	12/31/2017	88,937,730	1.022	1.083		98,438,592
MULTILINE	12/31/2015	\$168,932,111	1.000	1.141	0.971	\$187,161,744
	12/31/2016	180,651,209	1.000	1.113	0.973	195,636,046
	12/31/2017	187,341,632	1.022	1.084	0.977	202,772,493
TOTAL	12/31/2015					\$273,220,063
	12/31/2016					288,742,827
	12/31/2017					301,211,085

+ 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 7/1/2019 by an exponential projection of the average annual exposure trend factor. The derivation of this exposure trend factor is shown in Section G - Average Annual Exposure Trends.

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

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X BASIC LIMIT DEVELOPMENT FACTOR#	X UNALLOCATED LOSS ADJ. FACTOR	X SEVERITY TREND	X FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2015	\$19,923,128	1.082	1.085	1.131	0.975		\$25,781,745
		12/31/2016	15,500,413	1.428	1.085	1.104	0.980		25,980,528
		12/31/2017	10,552,828	2.590	1.085	1.077	0.985		31,462,316
BI	ALAE	12/31/2015	\$18,999,833		1.085	1.131	0.975		\$22,732,476
		12/31/2016	18,988,596		1.085	1.104	0.980		22,290,394
		12/31/2017	32,454,421		1.085	1.077	0.985		37,355,585
PD	B/L INDEMNITY	12/31/2015	\$60,441,200	1.257	1.085	1.246	0.975		\$100,110,444
		12/31/2016	57,075,501	1.339	1.085	1.193	0.980		96,927,466
		12/31/2017	49,132,118	1.554	1.085	1.141	0.985		93,108,421
PD	ALAE	12/31/2015	\$69,086,099		1.085	1.246	0.975		\$91,063,233
		12/31/2016	67,880,568		1.085	1.193	0.980		86,107,648
		12/31/2017	63,216,745		1.085	1.141	0.985		77,087,461
TOTAL									
FULL COVERAGE		12/31/2015							\$239,687,899
		12/31/2016							231,306,035
		12/31/2017							239,013,783

\* Incurred indemnity losses are as reported. The ALAE have been developed, using the additive ALAE development procedure as explained in Section B.  
# The indemnity development factors shown are weighted averages over all states and all Local Products/Completed Operations class groups.

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

			\$100,000 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
REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING											
BI	B/L INDEMNITY	12/31/2015	\$2,485,344		1.119		1.085		1.131		0.975		\$3,327,909
		12/31/2016	2,715,697		1.387		1.085		1.104		0.980		4,422,462
		12/31/2017	728,079		2.164		1.085		1.077		0.985		1,813,388
BI	ALAE	12/31/2015	\$2,269,645				1.085		1.131		0.975		\$2,715,532
		12/31/2016	5,140,307				1.085		1.104		0.980		6,034,120
		12/31/2017	2,561,601				1.085		1.077		0.985		2,948,446
PD	B/L INDEMNITY	12/31/2015	\$16,768,998		1.444		1.085		1.246		0.975		\$31,913,457
		12/31/2016	15,753,964		1.569		1.085		1.193		0.980		31,358,401
		12/31/2017	12,388,677		1.872		1.085		1.141		0.985		28,276,828
PD	ALAE	12/31/2015	\$19,603,909				1.085		1.246		0.975		\$25,840,153
		12/31/2016	21,713,392				1.085		1.193		0.980		27,543,805
		12/31/2017	18,334,432				1.085		1.141		0.985		22,357,286
TOTAL DED COVERAGE		12/31/2015											\$63,797,050
		12/31/2016											69,358,788
		12/31/2017											55,395,947
TOTAL OCCURRENCE		12/31/2015											\$303,484,949
		12/31/2016											300,664,824
		12/31/2017											294,409,730

\* 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.

OREGON

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	1.261
35	Not Applicable	--
36	Service Policy	1.500
37	Industrial/Processing Policy	0.816
38	Contractors Policy	0.908

(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.

OREGON

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	1.042	0.9074	1.040	6,000,000
27 to 39 Months	1.000	1.000	0.7674	1.000	17,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2015			1.000		1.000
12/31/2016		1.000	1.000		1.000
12/31/2017	1.040	1.000	1.000		1.040

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

OREGON  
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>
12/31/2010	12,466,006	12,247,877	12,242,985	12,242,847	12,242,847	12,242,847	12,242,847	12,242,847
12/31/2011	12,639,536	12,715,502	12,716,157	12,714,908	12,714,908	12,714,908	12,714,908	
12/31/2012	13,503,891	13,668,550	13,677,199	13,676,832	13,676,705	13,675,456		
12/31/2013	15,919,312	16,361,958	16,332,752	16,328,693	16,328,032			
12/31/2014	18,301,504	19,181,304	19,186,053	19,194,129				
12/31/2015	19,315,503	20,536,129	20,571,401					
12/31/2016	21,192,481	22,243,945						
12/31/2017	22,740,122							

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>
12/31/2010	0.983	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2011	1.006	1.000	1.000	1.000	1.000	1.000	
12/31/2012	1.012	1.001	1.000	1.000	1.000		
12/31/2013	1.028	0.998	1.000	1.000			
12/31/2014	1.048	1.000	1.000				
12/31/2015	1.063	1.002					
12/31/2016	1.050						
12/31/2017							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.042	1.000

MULTISTATE  
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2010	416,539,944	416,896,872	417,055,870	417,047,659	417,034,920	417,019,169	417,019,378	417,018,953
12/31/2011	425,930,027	434,235,963	434,335,946	434,319,554	434,279,591	434,292,316	434,292,240	
12/31/2012	466,092,326	477,638,925	477,700,364	477,346,559	477,376,096	477,374,201		
12/31/2013	530,241,848	541,430,451	540,656,091	540,607,061	540,632,224			
12/31/2014	585,953,801	599,802,001	599,399,858	599,504,123				
12/31/2015	619,097,767	631,797,472	631,518,230					
12/31/2016	644,821,189	658,002,698						
12/31/2017	664,941,932							

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>
12/31/2010	1.001	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2011	1.020	1.000	1.000	1.000	1.000	1.000	
12/31/2012	1.025	1.000	0.999	1.000	1.000		
12/31/2013	1.021	0.999	1.000	1.000			
12/31/2014	1.024	0.999	1.000				
12/31/2015	1.021	1.000					
12/31/2016	1.020						
12/31/2017							

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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OREGON

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	1.981	1.796	0.4385	1.900	440,000
27 to 39 Months	1.476	1.085	0.5763	1.251	450,000
39 to 51 Months	1.095	0.986	0.4343	1.048	470,000
51 to 63 Months	1.018	1.016	0.3381	1.017	480,000
63 to 75 Months	1.008	0.936	0.3162	0.985	510,000
75 to 87 Months	0.977	0.958	0.5167	0.967	530,000
87 to 99 Months	1.002	0.985	0.5242	0.993	560,000
99 to 111 Months	0.997	1.005	0.5173	1.001	580,000
111 to 123 Months	0.998	0.978	0.5743	0.987	600,000
123 to 135 Months	1.000	1.003	0.6464	1.002	630,000
135 to 147 Months	0.999	1.000	0.6966	1.000	650,000
147 to 159 Months	1.001	1.000	0.6000	1.000	680,000
159 to 171 Months	1.001	1.000	0.5444	1.000	710,000
171 to 183 Months	1.001	1.000	0.3482	1.001	740,000
183 to 195 Months	1.000	1.000	0.3581	1.000	780,000
195 to 207 Months	1.000	1.000	0.3184	1.000	810,000
207 to 219 Months	1.000	1.000	0.3074	1.000	850,000
219 to 231 Months	1.000	1.000	0.2337	1.000	890,000
231 to 243 Months	1.000	1.000	0.0623	1.000	920,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
12/31/2015			1.048	1.017	0.985	0.967	0.993	1.001	0.987	1.002	1.000	
12/31/2016		1.251	1.048	1.017	0.985	0.967	0.993	1.001	0.987	1.002	1.000	
12/31/2017	1.900	1.251	1.048	1.017	0.985	0.967	0.993	1.001	0.987	1.002	1.000	
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2015	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.999
12/31/2016	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.250
12/31/2017	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000		2.374

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

OREGON

Completed Operations  
Bodily Injury  
Full Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.0628
27 to 39 Months	0.1237
39 to 51 Months	0.1146
51 to 63 Months	0.0926
63 to 75 Months	0.0520
75 to 87 Months	0.0201
87 to 99 Months	0.0124
99 to 111 Months	0.0109
111 to 123 Months	0.0062
123 to 135 Months	0.0036
135 to 147 Months	0.0051
147 to 159 Months	0.0027
159 to 171 Months	0.0013
171 to Ultimate	A multistate link ratio factor of 1.011 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>
	0.508	0.445	0.321	0.207	0.114	0.062	0.042
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.030	0.019	0.013	0.009	0.004	0.001	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	148,315	882,860	0.321	283,399	431,714	1.011	436,460
12/31/2016	24,738	310,034	0.445	137,965	162,703	1.011	164,489
12/31/2017	501	15,992	0.508	8,124	8,625	1.011	8,719

(A) See Section G - Multistate Loss Development.

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

OREGON

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	1.151	1.231	0.6199	1.201	1,400,000
27 to 39 Months	1.062	1.092	0.6884	1.083	1,400,000
39 to 51 Months	1.035	1.128	0.7129	1.101	1,500,000
51 to 63 Months	1.034	1.087	0.7075	1.071	1,600,000
63 to 75 Months	1.024	1.047	0.7390	1.041	1,600,000
75 to 87 Months	1.020	1.051	0.7138	1.042	1,700,000
87 to 99 Months	1.024	1.048	0.7472	1.042	1,800,000
99 to 111 Months	1.042	1.038	0.7511	1.039	1,900,000
111 to 123 Months	1.018	1.020	0.7960	1.020	2,000,000
123 to 135 Months	1.025	1.024	0.7948	1.024	2,100,000
135 to 147 Months	1.008	0.977	0.7734	0.984	2,200,000
147 to 159 Months	1.005	0.991	0.6926	0.995	2,300,000
159 to 171 Months	1.001	1.000	0.6369	1.000	2,400,000
171 to 183 Months	1.003	1.000	0.6305	1.001	2,500,000
183 to 195 Months	1.001	1.001	0.6317	1.001	2,700,000
195 to 207 Months	1.000	0.999	0.6305	0.999	2,800,000
207 to 219 Months	1.000	1.000	0.6129	1.000	2,900,000
219 to 231 Months	1.000	1.000	0.4812	1.000	3,100,000
231 to 243 Months	1.000	1.000	0.3026	1.000	3,200,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From									
		39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2015			1.101	1.071	1.041	1.042	1.042	1.039	1.020	1.024	0.984
12/31/2016		1.083	1.101	1.071	1.041	1.042	1.042	1.039	1.020	1.024	0.984
12/31/2017	1.201	1.083	1.101	1.071	1.041	1.042	1.042	1.039	1.020	1.024	0.984
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
12/31/2015	0.995	1.000	1.001	1.001	0.999	1.000	1.000	1.000	1.000		1.418
12/31/2016	0.995	1.000	1.001	1.001	0.999	1.000	1.000	1.000	1.000		1.535
12/31/2017	0.995	1.000	1.001	1.001	0.999	1.000	1.000	1.000	1.000		1.844

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

OREGON

Completed Operations  
Property Damage  
Full Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.0685
27 to 39 Months	0.0746
39 to 51 Months	0.0796
51 to 63 Months	0.0645
63 to 75 Months	0.0468
75 to 87 Months	0.0373
87 to 99 Months	0.0351
99 to 111 Months	0.0438
111 to 123 Months	0.0403
123 to 135 Months	0.0302
135 to 147 Months	0.0227
147 to 159 Months	0.0150
159 to 171 Months	0.0059
171 to Ultimate	A multistate link ratio factor of 1.029 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>
	0.564	0.496	0.421	0.342	0.277	0.230	0.193
<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>
	0.158	0.114	0.074	0.044	0.021	0.006	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	538,332	3,031,344	0.421	1,276,196	1,814,528	1.029	1,867,139
12/31/2016	585,146	4,688,181	0.496	2,325,338	2,910,484	1.029	2,994,879
12/31/2017	195,195	2,400,669	0.564	1,353,978	1,549,173	1.029	1,594,087

(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  
OREGON  
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
12/31/1998	41,035	100,610	43,110	75,110	61,210	61,210	61,210	61,210	61,210	61,210	61,110
12/31/1999	38,276	56,675	102,746	207,603	218,603	208,353	208,353	215,354	213,854	215,353	243,853
12/31/2000	17,353	118,853	126,109	125,859	103,372	137,708	125,872	105,872	130,872	105,872	105,872
12/31/2001	39,993	64,743	75,036	50,036	60,936	62,236	62,236	62,236	62,236	62,236	62,236
12/31/2002	25,000	17,744	17,556	42,556	81,273	77,709	59,708	59,708	231,279	214,678	252,046
12/31/2003	5,003		68,500	65,813	2,813	51,037	51,037	27,636	42,636	66,037	66,037
12/31/2004	17,100	4,600	339,600	417,100	419,599	434,599	414,399	434,799	528,848	482,166	487,169
12/31/2005	20,753	107,253	68,750	122,750	122,750	255,948	451,347	479,348	464,348	464,352	471,743
12/31/2006	341,084	589,934	485,421	492,921	507,254	507,254	507,254	507,254	547,254	534,597	533,595
12/31/2007	55,698	113,609	99,888	172,527	179,126	183,826	150,027	147,527	147,527	152,527	147,527
12/31/2008	42,387	93,407	95,908	109,540	125,863	100,470	131,582	109,582	114,582	109,582	
12/31/2009	126,250	302,751	311,951	368,872	349,420	353,370	374,371	364,419	350,520		
12/31/2010	16,198	4,600	100,101	103,600	129,917	141,619	111,119	131,120			
12/31/2011	97,847	65,216	95,841	89,341	93,688	71,688	71,688				
12/31/2012	22,399	45,600	17,296	12,196	12,201	12,199					
12/31/2013	161,629	148,185	144,943	143,633	143,632						
12/31/2014	247,696	245,744	198,543	227,523							
12/31/2015	92,443	218,149	593,636								
12/31/2016	3,507	171,006									
12/31/2017	4,252										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	61,110	61,110	61,110	61,110	61,110	61,110	61,110	61,110	61,110
12/31/1999	240,353	210,354	210,354	210,354	210,354	210,353	210,353	210,353	
12/31/2000	105,872	105,872	105,872	105,872	105,872	105,872	105,872		
12/31/2001	62,236	62,236	62,236	62,236	62,236	62,236			
12/31/2002	252,046	252,046	267,046	267,046	267,046				
12/31/2003	66,037	66,037	66,037	66,037					
12/31/2004	482,166	530,166	530,166						
12/31/2005	471,743	471,996							
12/31/2006	533,595								

## COMPLETED OPERATIONS (Subline Code 336)

## FULL COVERAGE

## OREGON

## 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
12/31/1998	2.452	0.428	1.742	0.815	1.000	1.000	1.000	1.000	1.000	0.998	1.000
12/31/1999	1.481	1.813	2.021	1.053	0.953	1.000	1.034	0.993	1.007	1.132	0.986
12/31/2000	6.849	1.061	0.998	0.821	1.332	0.914	0.841	1.236	0.809	1.000	1.000
12/31/2001	1.619	1.159	0.667	1.218	1.021	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2002	0.710	0.989	2.424	1.910	0.956	0.768	1.000	3.874	0.928	1.174	1.000
12/31/2003	0.000		0.961	0.043	18.143	1.000	0.541	1.543	1.549	1.000	1.000
12/31/2004	0.269	73.826	1.228	1.006	1.036	0.954	1.049	1.216	0.912	1.010	0.990
12/31/2005	5.168	0.641	1.785	1.000	2.085	1.763	1.062	0.969	1.000	1.016	1.000
12/31/2006	1.730	0.823	1.015	1.029	1.000	1.000	1.000	1.079	0.977	0.998	1.000
12/31/2007	2.040	0.879	1.727	1.038	1.026	0.816	0.983	1.000	1.034	0.967	
12/31/2008	2.204	1.027	1.142	1.149	0.798	1.310	0.833	1.046	0.956		
12/31/2009	2.398	1.030	1.182	0.947	1.011	1.059	0.973	0.962			
12/31/2010	0.284	21.761	1.035	1.254	1.090	0.785	1.180				
12/31/2011	0.667	1.470	0.932	1.049	0.765	1.000					
12/31/2012	2.036	0.379	0.705	1.000	1.000						
12/31/2013	0.917	0.978	0.991	1.000							
12/31/2014	0.992	0.808	1.146								
12/31/2015	2.360	2.721									
12/31/2016	48.761										

3 Yr Mean	17.371	1.502	0.947	1.016	0.952	0.948	0.995	1.003	0.989	0.994	0.997
Best 3/5	1.796	1.085	0.986	1.016	0.936	0.958	0.985	1.005	0.978	1.003	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1999	0.875	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	1.060	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.000	1.000	1.000					
12/31/2004	1.100	1.000						
12/31/2005	1.001							

3 Yr Mean	1.034	1.020	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
12/31/2013					0.936	0.958	0.985	1.005	0.978	1.003	1.000
12/31/2014				1.016	0.936	0.958	0.985	1.005	0.978	1.003	1.000
12/31/2015			0.986	1.016	0.936	0.958	0.985	1.005	0.978	1.003	1.000
12/31/2016		1.085	0.986	1.016	0.936	0.958	0.985	1.005	0.978	1.003	1.000
12/31/2017	1.796	1.085	0.986	1.016	0.936	0.958	0.985	1.005	0.978	1.003	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.871
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.885
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.872
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.946
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.700

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

COMPLETED OPERATIONS (Subline Code 336)  
FULL COVERAGE  
OREGON  
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>
12/31/1998	5,884	34,845	5,402	26,309	31,443	31,443	29,688	29,688	29,688	29,688	29,688
12/31/1999	234	15,685	8,696	34,044	35,529	35,529	35,529	56,029	58,773	59,028	83,553
12/31/2000	1,314	18,745	23,899	30,882	34,420	46,371	52,709	52,823	63,919	94,301	94,301
12/31/2001	16,412	29,117	39,540	39,376	42,692	50,150	50,456	50,609	50,609	50,609	50,609
12/31/2002	8,799	2,861	2,265	2,265	14,482	44,769	21,932	27,349	120,604	150,731	147,978
12/31/2003	0	0	6,487	58,874	121,061	122,812	155,943	156,523	182,633	202,625	202,625
12/31/2004	12,357	14,187	38,704	43,461	44,904	68,969	76,172	86,426	126,874	126,874	126,874
12/31/2005	353	17,125	25,899	68,367	95,156	187,093	333,379	431,836	436,941	438,202	451,152
12/31/2006	93,775	118,979	154,397	174,991	180,281	181,103	181,103	181,103	271,103	234,922	235,008
12/31/2007	11,035	53,507	63,121	47,770	122,344	131,246	137,441	137,441	137,441	142,441	144,781
12/31/2008	150	21,677	28,473	49,477	100,015	102,929	118,956	120,181	120,181	120,181	
12/31/2009	6,596	47,255	64,117	135,831	150,029	154,117	154,444	158,757	181,154		
12/31/2010	100	100	6,996	8,571	15,245	18,676	21,944	23,397			
12/31/2011	8,207	48,215	73,929	88,153	95,767	98,319	98,319				
12/31/2012	1,000	20,928	8,912	16,140	16,140	16,140					
12/31/2013	7,476	85,942	104,100	106,032	106,049						
12/31/2014	11,001	140,547	284,479	308,524							
12/31/2015	1,315	2,260	148,315								
12/31/2016	11,904	24,738									
12/31/2017	501										

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>
12/31/1998	29,688	29,688	29,688	29,688	29,688	31,395	31,395	31,395	31,395
12/31/1999	90,931	66,047	66,839	66,839	66,839	66,839	66,839	66,839	
12/31/2000	94,301	94,301	94,301	94,301	94,301	94,301	94,301		
12/31/2001	50,609	50,609	50,609	50,609	50,609	50,609			
12/31/2002	147,978	147,978	147,978	147,978	147,978				
12/31/2003	202,625	202,625	202,625	202,625					
12/31/2004	126,874	126,874	126,874						
12/31/2005	451,152	451,152							
12/31/2006	235,008								



COMPLETED OPERATIONS (Subline Code 336)  
FULL COVERAGE  
OREGON  
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
12/31/1998	110,579	279,737	478,578	804,760	1,323,193	1,483,532	1,458,278	1,353,955	1,405,956	1,415,322	1,439,357
12/31/1999	354,543	647,450	588,905	618,461	764,346	1,220,404	1,152,094	1,290,187	1,372,083	1,557,366	1,504,617
12/31/2000	561,975	861,716	845,925	1,069,275	1,304,474	1,388,186	1,521,144	1,648,521	1,908,885	1,852,993	1,745,649
12/31/2001	337,698	578,227	664,215	926,070	1,200,132	1,269,793	1,423,051	1,586,916	1,662,968	1,732,400	1,675,041
12/31/2002	381,597	802,686	649,664	967,771	969,033	1,176,848	1,433,422	1,724,845	1,697,164	1,630,624	1,470,047
12/31/2003	107,896	471,212	809,103	1,083,936	1,559,663	1,701,281	1,361,449	1,397,383	1,417,465	1,498,191	1,457,731
12/31/2004	280,174	568,680	776,767	1,014,959	1,247,723	1,102,097	1,234,243	1,307,323	1,366,530	1,326,275	1,399,946
12/31/2005	209,816	444,404	689,833	891,577	1,016,186	1,387,927	1,429,870	2,049,268	2,121,576	2,120,947	2,357,041
12/31/2006	646,914	1,199,492	1,487,710	1,675,731	2,203,709	2,773,534	3,172,352	3,373,114	3,436,489	3,596,445	3,750,218
12/31/2007	887,699	1,122,393	1,211,353	1,540,118	1,680,638	2,016,943	1,974,841	2,017,825	2,141,728	2,415,322	2,328,926
12/31/2008	877,925	1,009,175	1,279,671	1,451,550	1,716,458	1,848,809	1,937,053	2,051,644	2,226,255	2,254,226	
12/31/2009	756,659	1,178,213	1,429,807	1,490,425	1,668,387	1,545,561	1,630,054	1,662,832	1,672,723		
12/31/2010	1,142,834	1,362,384	1,437,826	1,490,764	1,638,347	1,667,212	1,752,856	1,915,410			
12/31/2011	787,061	750,680	716,274	933,366	973,515	1,027,776	1,108,257				
12/31/2012	1,123,822	1,257,163	1,330,099	1,605,281	1,919,237	2,050,135					
12/31/2013	829,642	1,088,225	1,196,757	1,331,280	1,253,373						
12/31/2014	849,202	1,071,923	1,196,999	1,273,806							
12/31/2015	887,740	932,257	1,261,583								
12/31/2016	546,709	1,363,370									
12/31/2017	819,087										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	1,392,746	1,393,737	1,397,107	1,388,800	1,388,800	1,388,800	1,388,800	1,388,800	1,388,800
12/31/1999	1,488,660	1,489,212	1,489,211	1,489,211	1,493,902	1,486,589	1,486,589	1,486,590	
12/31/2000	1,725,698	1,718,335	1,717,121	1,717,123	1,717,123	1,717,107	1,717,107		
12/31/2001	1,618,138	1,555,790	1,555,540	1,555,290	1,567,290	1,562,448			
12/31/2002	1,357,790	1,357,792	1,357,790	1,357,790	1,357,790				
12/31/2003	1,372,124	1,352,120	1,352,119	1,352,121					
12/31/2004	1,399,768	1,500,100	1,500,102						
12/31/2005	2,410,701	2,385,047							
12/31/2006	3,708,680								

COMPLETED OPERATIONS (Subline Code 336)  
 FULL COVERAGE  
 OREGON  
 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
12/31/1998	2.530	1.711	1.682	1.644	1.121	0.983	0.928	1.038	1.007	1.017	0.968
12/31/1999	1.826	0.910	1.050	1.236	1.597	0.944	1.120	1.063	1.135	0.966	0.989
12/31/2000	1.533	0.982	1.264	1.220	1.064	1.096	1.084	1.158	0.971	0.942	0.989
12/31/2001	1.712	1.149	1.394	1.296	1.058	1.121	1.115	1.048	1.042	0.967	0.966
12/31/2002	2.103	0.809	1.490	1.001	1.214	1.218	1.203	0.984	0.961	0.902	0.924
12/31/2003	4.367	1.717	1.340	1.439	1.091	0.800	1.026	1.014	1.057	0.973	0.941
12/31/2004	2.030	1.366	1.307	1.229	0.883	1.120	1.059	1.045	0.971	1.056	1.000
12/31/2005	2.118	1.552	1.292	1.140	1.366	1.030	1.433	1.035	1.000	1.111	1.023
12/31/2006	1.854	1.240	1.126	1.315	1.259	1.144	1.063	1.019	1.047	1.043	0.989
12/31/2007	1.264	1.079	1.271	1.091	1.200	0.979	1.022	1.061	1.128	0.964	
12/31/2008	1.150	1.268	1.134	1.183	1.077	1.048	1.059	1.085	1.013		
12/31/2009	1.557	1.214	1.042	1.119	0.926	1.055	1.020	1.006			
12/31/2010	1.192	1.055	1.037	1.099	1.018	1.051	1.093				
12/31/2011	0.954	0.954	1.303	1.043	1.056	1.078					
12/31/2012	1.119	1.058	1.207	1.196	1.068						
12/31/2013	1.312	1.100	1.112	0.941							
12/31/2014	1.262	1.117	1.064								
12/31/2015	1.050	1.353									
12/31/2016	2.494										

3 Yr Mean	1.602	1.190	1.128	1.060	1.047	1.061	1.057	1.051	1.063	1.039	1.004
Best 3/5	1.231	1.092	1.128	1.087	1.047	1.051	1.048	1.038	1.020	1.024	0.977

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1998	1.001	1.002	0.994	1.000	1.000	1.000	1.000	1.000
12/31/1999	1.000	1.000	1.000	1.003	0.995	1.000	1.000	1.000 *
12/31/2000	0.996	0.999	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2001	0.961	1.000	1.000	1.008	0.997	0.999 *	1.000 *	1.000 *
12/31/2002	1.000	1.000	1.000	1.000	1.001 *	0.999 *	1.000 *	1.000 *
12/31/2003	0.985	1.000	1.000					
12/31/2004	1.072	1.000						
12/31/2005	0.989							

3 Yr Mean	1.015	1.000	1.000	1.003	0.997 @	1.000 @	1.000 @	1.000 @
Best 3/5	0.991	1.000	1.000	1.001	0.999 *	1.000 *	1.000 *	1.000 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.047	1.051	1.048	1.038	1.020	1.024	0.977
12/31/2014				1.087	1.047	1.051	1.048	1.038	1.020	1.024	0.977
12/31/2015			1.128	1.087	1.047	1.051	1.048	1.038	1.020	1.024	0.977
12/31/2016		1.092	1.128	1.087	1.047	1.051	1.048	1.038	1.020	1.024	0.977
12/31/2017	1.231	1.092	1.128	1.087	1.047	1.051	1.048	1.038	1.020	1.024	0.977

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2013	0.991	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000*	1.211
12/31/2014	0.991	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000*	1.316
12/31/2015	0.991	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000*	1.484
12/31/2016	0.991	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000*	1.621
12/31/2017	0.991	1.000	1.000	1.001	0.999	1.000	1.000	1.000	1.000*	1.995

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

COMPLETED OPERATIONS (Subline Code 336)  
FULL COVERAGE  
OREGON  
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>
12/31/1998	3,956	24,167	88,643	271,460	417,936	623,858	644,260	647,349	741,782	839,901	911,277
12/31/1999	95,507	211,688	172,093	227,851	278,479	407,703	429,269	573,463	723,045	1,105,237	1,138,982
12/31/2000	130,326	263,713	288,985	448,271	494,901	669,118	898,963	1,108,421	1,282,446	1,367,275	1,415,082
12/31/2001	50,618	37,906	124,351	405,493	516,386	639,533	784,775	893,918	1,039,010	1,389,474	1,496,237
12/31/2002	74,901	246,014	176,762	338,137	445,716	720,866	841,625	927,311	1,047,508	1,087,018	1,149,755
12/31/2003	21,806	166,623	408,558	545,304	754,457	961,362	1,042,047	1,102,021	1,185,115	1,283,346	1,426,504
12/31/2004	31,439	148,121	215,155	670,318	830,897	897,761	980,745	1,010,219	1,056,430	1,095,858	1,130,653
12/31/2005	25,268	192,584	364,733	642,308	866,659	1,043,051	1,238,382	1,702,594	2,129,423	2,195,975	2,267,193
12/31/2006	56,921	329,468	426,959	789,806	1,155,302	2,106,445	2,823,013	3,033,327	3,212,421	3,407,216	3,529,916
12/31/2007	97,153	213,486	353,009	725,037	892,005	1,355,541	1,615,013	1,680,624	1,875,912	2,114,349	2,163,355
12/31/2008	149,690	263,860	463,649	647,699	787,332	1,076,303	1,156,434	1,229,228	1,333,381	1,257,223	
12/31/2009	80,694	277,648	630,619	896,191	1,092,129	1,027,551	1,058,760	1,056,557	1,070,716		
12/31/2010	107,977	888,724	1,194,556	1,352,047	1,544,574	1,725,767	1,874,892	1,889,069			
12/31/2011	200,105	687,683	878,577	1,213,347	1,364,694	1,530,546	1,544,639				
12/31/2012	330,786	672,634	757,105	1,335,896	1,790,643	1,967,489					
12/31/2013	135,298	394,907	513,032	859,488	1,054,546						
12/31/2014	66,989	240,809	544,588	800,673							
12/31/2015	33,131	198,174	575,532								
12/31/2016	93,624	547,469									
12/31/2017	203,428										

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>
12/31/1998	805,032	816,038	823,256	824,421	824,421	824,421	824,421	824,421	824,421
12/31/1999	1,202,643	1,199,701	1,199,701	1,204,236	1,208,736	1,210,538	1,210,538	1,213,324	
12/31/2000	1,442,713	1,428,313	1,436,515	1,470,975	1,479,706	1,500,509	1,504,957		
12/31/2001	1,513,595	1,466,324	1,470,811	1,471,537	1,477,034	1,484,609			
12/31/2002	1,124,269	1,107,716	1,107,716	1,107,716	1,107,716				
12/31/2003	1,448,215	1,442,084	1,442,084	1,442,084					
12/31/2004	1,302,761	1,308,758	1,311,651						
12/31/2005	2,336,906	2,324,635							
12/31/2006	3,577,954								

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
12/31/1998	5,382,417	7,749,839	9,931,451	10,446,493	10,771,244	11,071,766	11,629,912	12,194,086	11,813,168	11,491,537	11,513,144
12/31/1999	5,749,137	8,017,859	10,639,569	12,401,376	12,443,087	12,699,247	12,379,843	12,193,739	12,195,292	12,194,842	12,217,636
12/31/2000	3,349,135	7,571,175	9,596,988	11,428,849	11,198,782	11,574,625	11,068,388	11,131,573	11,072,222	11,110,866	11,108,287
12/31/2001	3,393,318	7,201,271	9,537,740	10,536,173	11,011,306	11,000,593	10,913,285	10,668,162	10,563,560	10,462,107	10,483,477
12/31/2002	3,083,798	7,149,689	9,605,824	10,234,120	11,261,210	11,427,625	11,642,502	11,849,223	12,068,855	12,173,690	12,207,408
12/31/2003	3,686,338	6,728,413	10,123,232	10,766,319	10,579,933	10,391,292	10,165,994	10,128,188	10,111,720	10,148,121	10,199,131
12/31/2004	4,704,040	7,310,503	10,048,328	11,065,060	11,123,482	10,632,087	10,944,868	10,900,102	10,883,690	10,918,853	11,023,711
12/31/2005	4,237,064	7,327,137	10,408,250	11,613,602	11,488,082	11,664,862	11,980,476	11,915,964	11,833,171	11,930,107	11,885,653
12/31/2006	4,875,979	8,998,528	13,044,800	13,665,727	13,510,110	13,707,180	13,575,413	13,773,042	13,684,331	13,599,010	13,525,900
12/31/2007	4,398,986	8,656,290	11,586,599	12,845,738	12,838,601	12,816,133	12,722,889	12,863,528	13,060,436	12,845,961	12,825,548
12/31/2008	4,368,007	8,180,835	11,883,905	12,415,028	12,285,724	12,286,357	12,948,682	12,679,778	12,736,180	12,691,939	
12/31/2009	5,249,161	8,550,421	11,893,434	12,415,395	12,397,832	12,814,744	12,319,464	12,306,881	12,143,478		
12/31/2010	5,375,717	10,504,029	12,940,878	14,141,716	14,991,402	15,236,317	14,837,641	14,789,481			
12/31/2011	4,810,618	7,893,315	11,660,517	13,829,197	14,132,196	13,711,111	13,237,756				
12/31/2012	3,978,800	8,020,892	13,885,712	14,228,788	14,642,367	14,749,517					
12/31/2013	4,817,311	10,398,687	12,844,592	14,543,624	14,580,323						
12/31/2014	5,613,035	8,743,838	13,013,349	13,788,841							
12/31/2015	4,792,467	8,479,671	12,413,824								
12/31/2016	3,676,027	8,927,860									
12/31/2017	5,346,513										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	11,704,244	11,676,419	11,890,604	11,870,843	11,870,843	11,876,343	11,751,657	11,770,895	11,736,807
12/31/1999	12,174,868	12,136,600	12,122,727	12,122,426	12,122,427	12,122,426	12,122,426	12,122,425	
12/31/2000	11,144,580	11,197,424	11,140,073	11,193,327	11,188,323	11,203,322	11,203,322		
12/31/2001	10,534,479	10,538,161	10,575,203	10,618,410	10,595,046	10,564,845			
12/31/2002	12,140,613	12,171,146	12,315,380	12,316,090	12,305,052				
12/31/2003	10,234,635	10,247,693	10,286,435	10,266,434					
12/31/2004	11,087,981	11,284,441	11,125,197						
12/31/2005	11,778,914	11,546,887							
12/31/2006	13,511,099								

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
12/31/1998	1.440	1.282	1.052	1.031	1.028	1.050	1.049	0.969	0.973	1.002	1.017
12/31/1999	1.395	1.327	1.166	1.003	1.021	0.975	0.985	1.000	1.000	1.002	0.996
12/31/2000	2.261	1.268	1.191	0.980	1.034	0.956	1.006	0.995	1.003	1.000	1.003
12/31/2001	2.122	1.324	1.105	1.045	0.999	0.992	0.978	0.990	0.990	1.002	1.005
12/31/2002	2.318	1.344	1.065	1.100	1.015	1.019	1.018	1.019	1.009	1.003	0.995
12/31/2003	1.825	1.505	1.064	0.983	0.982	0.978	0.996	0.998	1.004	1.005	1.003
12/31/2004	1.554	1.375	1.101	1.005	0.956	1.029	0.996	0.998	1.003	1.010	1.006
12/31/2005	1.729	1.421	1.116	0.989	1.015	1.027	0.995	0.993	1.008	0.996	0.991
12/31/2006	1.845	1.450	1.048	0.989	1.015	0.990	1.015	0.994	0.994	0.995	0.999
12/31/2007	1.968	1.339	1.109	0.999	0.998	0.993	1.011	1.015	0.984	0.998	
12/31/2008	1.873	1.453	1.045	0.990	1.000	1.054	0.979	1.004	0.997		
12/31/2009	1.629	1.391	1.044	0.999	1.034	0.961	0.999	0.987			
12/31/2010	1.954	1.232	1.093	1.060	1.016	0.974	0.997				
12/31/2011	1.641	1.477	1.186	1.022	0.970	0.965					
12/31/2012	2.016	1.731	1.025	1.029	1.007						
12/31/2013	2.159	1.235	1.132	1.003							
12/31/2014	1.558	1.488	1.060								
12/31/2015	1.769	1.464									
12/31/2016	2.429										

3 Yr Mean	1.919	1.396	1.072	1.018	0.998	0.967	0.992	1.002	0.992	0.996	0.999
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Best 3/5	1.981	1.476	1.095	1.018	1.008	0.977	1.002	0.997	0.998	1.000	0.999
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.998	1.018	0.998	1.000	1.000	0.990	1.002	0.997			
12/31/1999	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	1.005	0.995	1.005	1.000	1.001	1.000	1.000 *	1.000 *			
12/31/2001	1.000	1.004	1.004	0.998	0.997	1.000 *	1.000 *	1.000 *			
12/31/2002	1.003	1.012	1.000	0.999	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.001	1.004	0.998								
12/31/2004	1.018	0.986									
12/31/2005	0.980										

3 Yr Mean	1.000	1.001	1.001	0.999	0.999 @	0.997 @	1.001 @	0.997 @			
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Best 3/5	1.001	1.001	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
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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
12/31/2013					1.008	0.977	1.002	0.997	0.998	1.000	0.999
12/31/2014				1.018	1.008	0.977	1.002	0.997	0.998	1.000	0.999
12/31/2015			1.095	1.018	1.008	0.977	1.002	0.997	0.998	1.000	0.999
12/31/2016		1.476	1.095	1.018	1.008	0.977	1.002	0.997	0.998	1.000	0.999
12/31/2017	1.981	1.476	1.095	1.018	1.008	0.977	1.002	0.997	0.998	1.000	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.984
12/31/2014	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.002
12/31/2015	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.097
12/31/2016	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.619
12/31/2017	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	3.207

\* 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
12/31/1998	106,123	395,586	680,640	916,686	1,171,521	1,186,605	901,002	965,932	1,072,428	1,157,485	1,143,685
12/31/1999	404,714	874,417	1,899,163	2,237,696	2,297,649	1,809,642	1,786,359	1,845,557	1,883,682	1,920,172	1,991,256
12/31/2000	350,798	529,262	1,176,368	1,461,454	1,251,531	1,824,321	1,645,592	1,526,792	1,602,111	1,592,811	1,521,613
12/31/2001	354,125	744,154	1,044,107	1,065,722	983,082	1,063,864	1,310,140	1,408,357	1,360,107	1,347,307	1,354,107
12/31/2002	229,242	655,739	1,124,018	1,164,317	1,373,666	1,361,220	1,672,423	1,722,423	1,546,341	1,493,066	1,515,902
12/31/2003	319,688	867,685	1,366,084	1,255,628	1,211,547	1,314,289	1,316,395	1,340,895	1,420,195	1,420,197	1,443,795
12/31/2004	269,310	621,021	1,029,012	1,052,518	1,091,198	1,010,394	847,293	874,261	891,150	878,580	829,980
12/31/2005	666,837	1,045,465	1,141,746	1,111,605	1,212,958	1,069,928	1,159,474	1,160,802	1,128,902	1,262,811	1,208,236
12/31/2006	818,931	1,320,993	1,476,958	1,588,453	1,683,437	1,415,017	1,390,016	1,610,616	1,750,067	1,700,298	1,596,566
12/31/2007	324,368	1,022,453	961,110	1,100,843	1,193,090	1,306,290	1,246,602	1,214,427	1,189,453	1,188,954	1,237,004
12/31/2008	316,396	864,693	913,403	1,050,595	1,063,780	1,242,728	1,336,184	1,473,931	1,486,978	1,424,520	
12/31/2009	586,791	1,045,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244	1,038,243		
12/31/2010	641,422	781,803	1,443,275	2,008,073	1,739,838	1,672,694	1,597,404	1,643,905			
12/31/2011	270,205	819,627	1,330,077	1,689,436	1,722,481	1,706,863	1,706,863				
12/31/2012	383,511	1,149,597	1,593,586	1,772,309	1,649,357	1,695,210					
12/31/2013	1,675,399	2,467,513	2,712,232	2,786,946	2,729,808						
12/31/2014	2,159,321	2,831,984	3,298,850	3,463,909							
12/31/2015	1,195,104	1,659,445	2,141,952								
12/31/2016	1,265,885	2,626,725									
12/31/2017	546,720										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	1,121,445	1,121,445	1,121,445	1,108,985	1,108,985	1,121,485	1,208,985	1,208,985	1,208,985
12/31/1999	1,986,257	1,921,257	1,867,257	1,867,257	1,867,260	1,867,257	1,867,257	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		
12/31/2001	1,307,912	1,307,915	1,355,912	1,320,911	1,320,912	1,345,912			
12/31/2002	1,467,700	1,579,904	1,581,334	1,581,333	1,581,333				
12/31/2003	1,446,695	1,424,195	1,423,696	1,423,696					
12/31/2004	828,318	828,219	833,218						
12/31/2005	1,248,237	1,322,207							
12/31/2006	1,555,316								

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
12/31/1998	3.728	1.721	1.347	1.278	1.013	0.759	1.072	1.110	1.079	0.988	0.981
12/31/1999	2.161	2.172	1.178	1.027	0.788	0.987	1.033	1.021	1.019	1.037	0.997
12/31/2000	1.509	2.223	1.242	0.856	1.458	0.902	0.928	1.049	0.994	0.955	1.011
12/31/2001	2.101	1.403	1.021	0.922	1.082	1.231	1.075	0.966	0.991	1.005	0.966
12/31/2002	2.860	1.714	1.036	1.180	0.991	1.229	1.030	0.898	0.966	1.015	0.968
12/31/2003	2.714	1.574	0.919	0.965	1.085	1.002	1.019	1.059	1.000	1.017	1.002
12/31/2004	2.306	1.657	1.023	1.037	0.926	0.839	1.032	1.019	0.986	0.945	0.998
12/31/2005	1.568	1.092	0.974	1.091	0.882	1.084	1.001	0.973	1.119	0.957	1.033
12/31/2006	1.613	1.118	1.075	1.060	0.841	0.982	1.159	1.087	0.972	0.939	0.974
12/31/2007	3.152	0.940	1.145	1.084	1.095	0.954	0.974	0.979	1.000	1.040	
12/31/2008	2.733	1.056	1.150	1.013	1.168	1.075	1.103	1.009	0.958		
12/31/2009	1.782	1.023	1.182	0.858	1.064	0.952	0.999	0.946			
12/31/2010	1.219	1.846	1.391	0.866	0.961	0.955	1.029				
12/31/2011	3.033	1.623	1.270	1.020	0.991	1.000					
12/31/2012	2.998	1.386	1.112	0.931	1.028						
12/31/2013	1.473	1.099	1.028	0.979							
12/31/2014	1.312	1.165	1.050								
12/31/2015	1.389	1.291									
12/31/2016	2.075										

3 Yr Mean      1.592      1.185      1.063      0.977      0.993      0.969      1.044      0.978      0.977      0.979      1.002

Best 3/5      1.646      1.281      1.144      0.925      1.028      0.970      1.044      0.987      0.986      0.973      0.991

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.000	1.000	0.989	1.000	1.011	1.078	1.000	1.000			
12/31/1999	0.967	0.972	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	0.996	0.980	1.045	0.997	1.000	1.000	1.002 *	1.000 *			
12/31/2001	1.000	1.037	0.974	1.000	1.019	1.004 *	1.002 *	1.000 *			
12/31/2002	1.076	1.001	1.000	1.000	1.000 *	1.004 *	1.002 *	1.000 *			
12/31/2003	0.984	1.000	1.000								
12/31/2004	1.000	1.006									
12/31/2005	1.059										

3 Yr Mean      1.014      1.002      0.991      0.999      1.006 @      1.026 @      1.000 @      1.000 @

Best 3/5      1.020      1.002      1.000      1.000      1.004 \*      1.003 \*      1.001 \*      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
12/31/2013					1.028	0.970	1.044	0.987	0.986	0.973	0.991
12/31/2014				0.925	1.028	0.970	1.044	0.987	0.986	0.973	0.991
12/31/2015			1.144	0.925	1.028	0.970	1.044	0.987	0.986	0.973	0.991
12/31/2016		1.281	1.144	0.925	1.028	0.970	1.044	0.987	0.986	0.973	0.991
12/31/2017	1.646	1.281	1.144	0.925	1.028	0.970	1.044	0.987	0.986	0.973	0.991

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	1.006
12/31/2014	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	0.931
12/31/2015	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	1.065
12/31/2016	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	1.364
12/31/2017	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	2.246

\* 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
12/31/1998	1,012,271	2,348,842	4,112,802	5,182,512	5,813,250	12,480,107	10,604,765	11,385,664	11,547,685	11,481,993	11,529,180
12/31/1999	939,072	1,726,111	3,327,048	5,471,691	6,467,594	7,363,565	7,335,524	7,949,068	8,566,762	8,690,714	8,973,317
12/31/2000	674,323	2,617,777	3,850,487	6,190,738	6,833,426	7,416,763	7,457,113	7,481,893	7,646,436	8,102,365	8,114,194
12/31/2001	653,560	2,154,996	4,065,005	6,286,557	7,688,175	8,477,243	9,147,867	9,148,197	9,211,226	9,221,453	9,193,699
12/31/2002	731,998	2,916,605	4,737,295	8,050,078	8,938,150	10,352,461	10,692,516	11,056,247	11,310,248	11,327,231	11,410,096
12/31/2003	1,059,929	2,257,224	4,717,758	7,545,398	8,428,716	9,094,136	9,744,227	9,740,289	9,611,654	9,650,675	9,702,823
12/31/2004	541,344	1,852,152	4,496,054	7,003,862	8,823,022	10,014,284	11,219,057	10,852,569	10,923,710	10,952,116	11,275,394
12/31/2005	737,161	1,347,695	3,794,920	6,362,216	7,745,995	8,504,076	9,060,380	9,359,776	9,709,212	10,001,765	10,172,304
12/31/2006	915,351	3,689,840	6,463,802	8,349,218	9,621,204	10,826,356	11,391,500	11,717,670	11,991,919	12,006,894	11,986,209
12/31/2007	818,839	2,535,416	5,570,438	9,312,279	10,422,393	11,028,880	11,321,576	11,605,887	11,787,267	11,899,978	11,913,524
12/31/2008	826,229	2,217,025	4,794,351	7,208,995	9,311,773	10,564,469	11,312,431	11,875,870	12,574,080	15,831,927	
12/31/2009	549,105	2,050,691	4,434,228	6,931,335	9,301,142	9,926,780	10,287,584	10,596,388	10,608,501		
12/31/2010	846,989	2,933,834	5,793,148	8,843,773	11,579,858	12,864,766	14,006,841	14,078,770			
12/31/2011	779,950	2,145,656	4,693,828	8,246,454	11,608,983	12,939,643	13,085,720				
12/31/2012	347,165	2,237,908	6,226,446	9,180,244	11,098,000	13,794,368					
12/31/2013	601,939	2,476,227	5,895,054	9,526,740	11,740,793						
12/31/2014	550,560	2,377,786	5,708,589	7,792,110							
12/31/2015	472,258	1,894,196	4,934,361								
12/31/2016	412,617	1,852,627									
12/31/2017	660,305										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	11,910,138	12,244,746	12,543,160	12,686,410	12,766,609	12,819,452	12,886,134	13,011,151	13,080,009
12/31/1999	9,167,838	9,064,802	9,056,342	9,057,481	9,057,706	9,058,174	9,056,276	9,060,877	
12/31/2000	8,228,110	8,224,592	8,213,906	8,219,719	8,223,475	8,235,702	8,243,234		
12/31/2001	9,226,163	9,214,887	9,227,247	9,297,000	9,301,647	9,311,848			
12/31/2002	11,476,367	11,660,885	11,747,003	11,849,320	11,854,760				
12/31/2003	9,814,109	9,851,746	9,929,044	9,939,645					
12/31/2004	11,458,806	11,584,918	11,536,279						
12/31/2005	10,312,614	10,100,905							
12/31/2006	12,069,243								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1998	1.011	1.006	1.004	1.005	1.010	1.005	1.004	*	
12/31/1999	1.000	1.000	1.000	1.000	1.001	1.001	1.004	*	
12/31/2000	1.001	1.000	1.001	1.001	1.001	*	1.001	*	
12/31/2001	1.008	1.000	1.001	1.001	*	1.001	*	1.004	*
12/31/2002	1.009	1.000	1.000	*	1.001	*	1.001	*	1.004
12/31/2003	1.001								

Best 3/5      1.003      1.000      1.001 \*      1.001 \*      1.001 \*      1.001 \*      1.004 \*

171 to Ultimate Factor: 1.011

\* Calculated Using Modified Bondy Method



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

Increments													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	1,336,571	1,763,960	1,069,710	630,738	6,666,857	-1,875,342	780,899	162,021	-65,692	47,187	380,958	334,608	298,414
12/31/1999	787,039	1,600,937	2,144,643	995,903	895,971	-28,041	613,544	617,694	123,952	282,603	194,521	-103,036	-8,460
12/31/2000	1,943,454	1,232,710	2,340,251	642,688	583,337	40,350	24,780	164,543	455,929	11,829	113,916	-3,518	-10,686
12/31/2001	1,501,436	1,910,009	2,221,552	1,401,618	789,068	670,624	330	63,029	10,227	-27,754	32,464	-11,276	12,360
12/31/2002	2,184,607	1,820,690	3,312,783	888,072	1,414,311	340,055	363,731	254,001	16,983	82,865	66,271	184,518	86,118
12/31/2003	1,197,295	2,460,534	2,827,640	883,318	665,420	650,091	-3,938	-128,635	39,021	52,148	111,286	37,637	77,298
12/31/2004	1,310,808	2,643,902	2,507,808	1,819,160	1,191,262	1,204,773	-366,488	71,141	28,406	323,278	183,412	126,112	-48,639
12/31/2005	610,534	2,447,225	2,567,296	1,383,779	758,081	556,304	299,396	349,436	292,553	170,539	140,310	-211,709	
12/31/2006	2,774,489	2,773,962	1,885,416	1,271,986	1,205,152	565,144	326,170	274,249	14,975	-20,685	83,034		
12/31/2007	1,716,577	3,035,022	3,741,841	1,110,114	606,487	292,696	284,311	181,380	112,711	13,546			
12/31/2008	1,390,796	2,577,326	2,414,644	2,102,778	1,252,696	747,962	563,439	698,210	3,257,847				
12/31/2009	1,501,586	2,383,537	2,497,107	2,369,807	625,638	360,804	308,804	12,113					
12/31/2010	2,086,845	2,859,314	3,050,625	2,736,085	1,284,908	1,142,075	71,929						
12/31/2011	1,365,706	2,548,172	3,552,626	3,362,529	1,330,660	146,077							
12/31/2012	1,890,743	3,988,538	2,953,798	1,917,756	2,696,368								
12/31/2013	1,874,288	3,418,827	3,418,827	2,214,053									
12/31/2014	1,827,226	3,330,803	2,083,521										
12/31/2015	1,421,938	3,040,165											
12/31/2016	1,440,010												

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
12/31/1998	0.0611	0.0806	0.0489	0.0288	0.3046	-0.0857	0.0357	0.0074	-0.0030	0.0022	0.0174	0.0153	0.0136
12/31/1999	0.0371	0.0755	0.1011	0.0470	0.0422	-0.0013	0.0289	0.0291	0.0058	0.0133	0.0092	-0.0049	-0.0004
12/31/2000	0.0945	0.0600	0.1138	0.0313	0.0284	0.0020	0.0012	0.0080	0.0222	0.0006	0.0055	-0.0002	-0.0005
12/31/2001	0.0810	0.1031	0.1199	0.0756	0.0426	0.0362	0.0000	0.0034	0.0006	-0.0015	0.0018	-0.0006	0.0007
12/31/2002	0.0951	0.0792	0.1442	0.0387	0.0616	0.0148	0.0158	0.0111	0.0007	0.0036	0.0029	0.0080	0.0037
12/31/2003	0.0684	0.1405	0.1614	0.0504	0.0380	0.0371	-0.0002	-0.0073	0.0022	0.0030	0.0064	0.0021	0.0044
12/31/2004	0.0674	0.1360	0.1290	0.0936	0.0613	0.0620	-0.0189	0.0037	0.0015	0.0166	0.0094	0.0065	-0.0025
12/31/2005	0.0255	0.1021	0.1071	0.0577	0.0316	0.0232	0.0125	0.0146	0.0122	0.0071	0.0059	-0.0088	
12/31/2006	0.1049	0.1049	0.0713	0.0481	0.0456	0.0214	0.0123	0.0104	0.0006	-0.0008	0.0031		
12/31/2007	0.0730	0.1290	0.1591	0.0472	0.0258	0.0124	0.0121	0.0077	0.0048	0.0006			
12/31/2008	0.0611	0.1133	0.1061	0.0924	0.0550	0.0329	0.0248	0.0307	0.1432				
12/31/2009	0.0625	0.0991	0.1039	0.0986	0.0260	0.0150	0.0128	0.0005					
12/31/2010	0.0745	0.1021	0.1089	0.0977	0.0459	0.0408	0.0026						
12/31/2011	0.0566	0.1056	0.1472	0.1393	0.0551	0.0061							
12/31/2012	0.0649	0.1370	0.1014	0.0658	0.0926								
12/31/2013	0.0689	0.1258	0.1336	0.0814									
12/31/2014	0.0712	0.1298	0.0812										
12/31/2015	0.0540	0.1154											
12/31/2016	0.0547												

Best 3/5	0.0628	0.1237	0.1146	0.0926	0.0520	0.0201	0.0124	0.0109	0.0062	0.0036	0.0051	0.0027	0.0013
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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
12/31/1998	18,113,843	23,332,101	26,686,591	32,926,021	36,994,732	40,149,460	42,614,367	43,842,084	44,731,840	46,036,717	46,907,927
12/31/1999	18,141,667	23,122,030	26,816,232	30,454,925	33,256,684	36,769,286	38,529,479	39,624,399	40,658,450	41,616,062	41,693,822
12/31/2000	21,618,596	29,922,202	35,646,440	39,939,316	42,811,024	45,600,549	49,510,389	51,452,752	52,307,599	53,501,448	53,882,110
12/31/2001	25,121,363	32,994,877	39,760,370	43,949,225	47,621,401	49,315,544	50,409,676	52,681,785	54,248,972	54,769,978	54,836,097
12/31/2002	25,879,796	34,813,817	39,479,615	44,435,810	45,646,147	46,673,529	48,693,563	50,562,427	51,522,666	51,114,736	51,931,355
12/31/2003	27,934,421	33,376,843	37,758,441	38,557,656	41,290,434	42,463,838	42,907,196	44,009,454	45,175,715	45,412,461	45,966,469
12/31/2004	28,708,795	35,259,437	39,343,108	43,461,954	45,902,150	47,706,885	49,545,316	50,507,362	52,362,307	53,059,298	54,553,998
12/31/2005	25,930,630	32,239,645	36,518,740	41,119,382	43,550,624	46,329,538	49,090,875	50,415,703	52,061,304	52,312,269	53,313,682
12/31/2006	36,116,254	43,863,748	49,957,500	55,227,329	60,916,125	62,940,227	64,684,213	64,162,602	65,608,294	66,435,392	68,351,285
12/31/2007	40,765,577	49,475,433	58,383,620	61,274,195	64,121,906	66,326,890	67,400,382	69,385,970	71,174,306	73,271,810	75,745,257
12/31/2008	51,156,205	60,112,314	66,296,326	68,890,062	71,339,035	72,727,266	74,751,551	76,112,641	84,252,031	92,238,886	
12/31/2009	55,734,185	64,686,433	71,421,476	73,754,190	75,542,315	76,392,988	77,965,828	81,099,473	86,482,396		
12/31/2010	54,461,530	63,523,966	67,259,875	69,393,234	71,828,242	73,032,362	74,212,026	76,006,564			
12/31/2011	54,000,680	60,947,303	63,439,948	63,706,524	65,238,768	67,937,476	69,483,417				
12/31/2012	47,501,598	54,053,994	55,788,886	58,742,622	61,545,513	63,776,319					
12/31/2013	43,439,843	47,854,780	51,967,689	53,830,229	56,203,061						
12/31/2014	43,586,316	50,330,591	53,279,039	55,194,896							
12/31/2015	41,066,805	47,577,565	52,259,353								
12/31/2016	37,724,326	47,818,955									
12/31/2017	37,939,531										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	47,064,626	47,216,990	47,155,971	47,154,335	47,325,739	47,280,018	47,279,411	47,213,292	47,214,126
12/31/1999	41,912,978	42,098,081	41,988,854	42,192,295	42,133,542	42,252,840	42,252,058	42,326,869	
12/31/2000	54,401,981	54,342,887	54,336,379	54,365,784	54,253,358	54,123,659	54,170,072		
12/31/2001	55,350,472	54,967,769	55,097,517	55,292,943	55,273,656	55,293,513			
12/31/2002	52,125,587	52,065,195	52,166,986	52,177,915	52,598,843				
12/31/2003	46,018,279	46,448,885	46,866,378	47,395,216					
12/31/2004	55,374,842	55,816,618	55,761,459						
12/31/2005	53,615,482	53,976,771							
12/31/2006	69,290,100								

## 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
12/31/1998	1.288	1.144	1.234	1.124	1.085	1.061	1.029	1.020	1.029	1.019	1.003
12/31/1999	1.275	1.160	1.136	1.092	1.106	1.048	1.028	1.026	1.024	1.002	1.005
12/31/2000	1.384	1.191	1.120	1.072	1.065	1.086	1.039	1.017	1.023	1.007	1.010
12/31/2001	1.313	1.205	1.105	1.084	1.036	1.022	1.045	1.030	1.010	1.001	1.009
12/31/2002	1.345	1.134	1.126	1.027	1.023	1.043	1.038	1.019	0.992	1.016	1.004
12/31/2003	1.195	1.131	1.021	1.071	1.028	1.010	1.026	1.027	1.005	1.012	1.001
12/31/2004	1.228	1.116	1.105	1.056	1.039	1.039	1.019	1.037	1.013	1.028	1.015
12/31/2005	1.243	1.133	1.126	1.059	1.064	1.060	1.027	1.033	1.005	1.019	1.006
12/31/2006	1.215	1.139	1.105	1.103	1.033	1.028	0.992	1.023	1.013	1.029	1.014
12/31/2007	1.214	1.180	1.050	1.046	1.034	1.016	1.029	1.026	1.029	1.034	
12/31/2008	1.175	1.103	1.039	1.036	1.019	1.028	1.018	1.107	1.095		
12/31/2009	1.161	1.104	1.033	1.024	1.011	1.021	1.040	1.066			
12/31/2010	1.166	1.059	1.032	1.035	1.017	1.016	1.024				
12/31/2011	1.129	1.041	1.004	1.024	1.041	1.023					
12/31/2012	1.138	1.032	1.053	1.048	1.036						
12/31/2013	1.102	1.086	1.036	1.044							
12/31/2014	1.155	1.059	1.036								
12/31/2015	1.159	1.098									
12/31/2016	1.268										

3 Yr Mean 1.194 1.081 1.042 1.039 1.031 1.020 1.027 1.066 1.046 1.027 1.012

Best 3/5 1.151 1.062 1.035 1.034 1.024 1.020 1.024 1.042 1.018 1.025 1.008

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.003	0.999	1.000	1.004	0.999	1.000	0.999	1.000			
12/31/1999	1.004	0.997	1.005	0.999	1.003	1.000	1.002	1.000 *			
12/31/2000	0.999	1.000	1.001	0.998	0.998	1.001	1.000 *	1.000 *			
12/31/2001	0.993	1.002	1.004	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	0.999	1.002	1.000	1.008	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.009	1.009	1.011								
12/31/2004	1.008	0.999									
12/31/2005	1.007										

3 Yr Mean 1.008 1.003 1.005 1.002 1.000 @ 1.000 @ 1.001 @ 1.000 @

Best 3/5 1.005 1.001 1.003 1.001 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
12/31/2013					1.024	1.020	1.024	1.042	1.018	1.025	1.008
12/31/2014				1.034	1.024	1.020	1.024	1.042	1.018	1.025	1.008
12/31/2015			1.035	1.034	1.024	1.020	1.024	1.042	1.018	1.025	1.008
12/31/2016		1.062	1.035	1.034	1.024	1.020	1.024	1.042	1.018	1.025	1.008
12/31/2017	1.151	1.062	1.035	1.034	1.024	1.020	1.024	1.042	1.018	1.025	1.008

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.184
12/31/2014	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.224
12/31/2015	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.267
12/31/2016	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.346
12/31/2017	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.549

\* 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
12/31/1998	3,399,444	4,989,700	6,202,072	6,573,098	7,622,348	8,324,913	9,548,997	11,065,182	12,008,214	12,847,863	13,009,150
12/31/1999	3,158,496	4,995,868	5,544,880	7,214,750	8,158,620	9,622,013	11,077,329	12,073,570	12,772,861	13,105,521	13,599,647
12/31/2000	3,418,844	5,201,798	7,222,822	9,408,512	11,610,385	14,409,917	16,500,773	18,365,859	19,140,188	21,412,799	23,165,417
12/31/2001	3,511,180	5,643,683	7,708,760	10,531,499	13,917,700	17,139,624	21,907,913	23,317,216	25,809,995	25,881,683	27,418,893
12/31/2002	4,171,438	5,629,922	8,295,766	10,129,202	11,760,337	14,321,654	15,961,431	17,832,280	20,066,042	19,995,522	19,978,249
12/31/2003	4,196,138	6,067,239	7,657,808	8,457,245	9,795,816	10,397,330	11,397,206	12,090,593	12,766,238	13,615,662	13,533,948
12/31/2004	5,824,885	7,372,939	9,171,424	9,751,195	10,459,553	11,464,569	12,149,530	13,332,912	13,916,022	14,294,772	14,519,929
12/31/2005	6,630,570	9,087,433	10,040,091	10,770,269	12,073,588	12,818,796	13,253,663	13,972,615	14,699,222	14,860,054	15,089,706
12/31/2006	7,644,998	9,212,774	10,413,710	11,101,832	11,193,322	12,124,225	12,755,867	13,477,739	13,894,055	15,108,278	15,949,800
12/31/2007	9,590,985	11,767,028	12,236,194	12,674,812	13,395,367	13,910,544	15,005,742	15,705,925	16,458,994	17,704,907	17,692,339
12/31/2008	8,809,687	11,738,940	14,074,906	14,432,382	15,389,000	16,329,662	17,489,267	17,980,085	18,709,239	18,707,349	
12/31/2009	8,117,647	10,459,730	12,009,396	12,817,661	13,826,333	15,496,377	16,669,360	17,209,446	17,972,898		
12/31/2010	9,247,147	10,965,970	11,221,561	12,043,844	12,995,298	13,347,047	13,700,251	14,501,155			
12/31/2011	8,604,885	10,621,575	11,638,785	11,990,155	12,746,276	13,445,358	13,773,500				
12/31/2012	8,048,212	9,493,963	10,762,218	11,341,329	12,746,315	13,309,707					
12/31/2013	10,595,383	12,864,590	13,692,132	14,691,418	15,332,401						
12/31/2014	11,312,379	13,514,540	15,228,213	16,395,390							
12/31/2015	13,713,941	17,286,531	18,320,825								
12/31/2016	14,691,091	16,432,606									
12/31/2017	12,412,893										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1998	13,418,464	13,440,232	13,448,864	13,462,669	13,294,167	13,285,694	13,285,194	13,285,194	13,285,194		
12/31/1999	13,810,964	14,084,241	13,923,290	13,855,351	13,873,143	13,820,966	13,820,966	13,821,325			
12/31/2000	23,737,675	23,937,171	23,855,105	23,827,893	23,603,414	23,432,869	23,483,142				
12/31/2001	27,579,551	27,657,839	27,279,281	27,187,406	27,025,499	27,071,246					
12/31/2002	20,313,248	20,115,036	19,819,200	19,589,072	19,667,964						
12/31/2003	13,380,432	13,581,000	13,234,508	13,185,814							
12/31/2004	14,556,234	14,699,378	14,733,647								
12/31/2005	15,673,999	15,834,737									
12/31/2006	15,996,109										

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
12/31/1998	1.468	1.243	1.060	1.160	1.092	1.147	1.159	1.085	1.070	1.013	1.031
12/31/1999	1.582	1.110	1.301	1.131	1.179	1.151	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.522	1.389	1.303	1.234	1.241	1.145	1.113	1.042	1.119	1.082	1.025
12/31/2001	1.607	1.366	1.366	1.322	1.231	1.278	1.064	1.107	1.003	1.059	1.006
12/31/2002	1.350	1.474	1.221	1.161	1.218	1.114	1.117	1.125	0.996	0.999	1.017
12/31/2003	1.446	1.262	1.104	1.158	1.061	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.266	1.244	1.063	1.073	1.096	1.060	1.097	1.044	1.027	1.016	1.003
12/31/2005	1.371	1.105	1.073	1.121	1.062	1.034	1.054	1.052	1.011	1.015	1.039
12/31/2006	1.205	1.130	1.066	1.008	1.083	1.052	1.057	1.031	1.087	1.056	1.003
12/31/2007	1.227	1.040	1.036	1.057	1.038	1.079	1.047	1.048	1.076	0.999	
12/31/2008	1.333	1.199	1.025	1.066	1.061	1.071	1.028	1.041	1.000		
12/31/2009	1.289	1.148	1.067	1.079	1.121	1.076	1.032	1.044			
12/31/2010	1.186	1.023	1.073	1.079	1.027	1.026	1.058				
12/31/2011	1.234	1.096	1.030	1.063	1.055	1.024					
12/31/2012	1.180	1.134	1.054	1.124	1.044						
12/31/2013	1.214	1.064	1.073	1.044							
12/31/2014	1.195	1.127	1.077								
12/31/2015	1.261	1.060									
12/31/2016	1.119										
3 Yr Mean	1.192	1.084	1.068	1.077	1.042	1.042	1.039	1.044	1.054	1.023	1.015
Best 3/5	1.196	1.096	1.067	1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.002	1.001	1.001	0.987	0.999	1.000	1.000	1.000			
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000	1.000 *			
12/31/2000	1.008	0.997	0.999	0.991	0.993	1.002	1.000 *	1.000 *			
12/31/2001	1.003	0.986	0.997	0.994	1.002	0.998 *	1.000 *	1.000 *			
12/31/2002	0.990	0.985	0.988	1.004	0.995 *	0.998 *	1.000 *	1.000 *			
12/31/2003	1.015	0.974	0.996								
12/31/2004	1.010	1.002									
12/31/2005	1.010										
3 Yr Mean	1.012	0.987	0.994	0.996	0.997 @	1.001 @	1.000 @	1.000 @			
Best 3/5	1.008	0.989	0.996	0.995	0.997 *	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
12/31/2013					1.053	1.058	1.045	1.044	1.038	1.010	1.008
12/31/2014				1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008
12/31/2015			1.067	1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008
12/31/2016		1.096	1.067	1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008
12/31/2017	1.196	1.096	1.067	1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.264
12/31/2014	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.357
12/31/2015	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.448
12/31/2016	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.587
12/31/2017	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.899

\* 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
12/31/1998	1,702,320	3,040,081	5,710,343	9,787,394	13,434,163	16,357,288	18,763,728	21,296,695	23,796,235	25,224,147	26,476,195
12/31/1999	1,706,644	3,481,009	6,584,544	11,573,547	15,174,740	19,147,628	22,704,366	25,851,919	28,821,301	30,522,498	31,171,004
12/31/2000	2,082,708	4,571,790	8,501,617	13,688,601	18,110,072	22,583,205	29,138,435	33,314,507	35,297,406	37,974,189	39,899,359
12/31/2001	3,585,475	7,255,569	13,634,096	19,818,062	25,157,240	31,137,598	37,538,505	41,963,213	45,447,012	47,747,793	48,877,378
12/31/2002	2,812,414	7,314,861	13,990,193	19,958,992	24,526,499	27,847,362	30,694,795	33,146,756	36,559,862	38,405,433	39,831,595
12/31/2003	4,106,008	7,079,115	13,155,073	17,920,363	22,628,689	27,001,329	29,072,709	32,001,664	34,080,879	36,068,582	37,735,027
12/31/2004	3,107,088	6,520,006	12,731,583	19,295,171	23,868,056	28,316,782	33,140,590	37,249,905	42,942,860	46,950,340	51,584,008
12/31/2005	2,188,106	6,777,359	12,498,286	18,937,120	24,170,865	30,321,069	34,242,139	38,174,805	42,711,368	46,347,127	49,065,112
12/31/2006	4,131,944	9,192,167	16,895,780	24,370,355	31,361,053	37,468,485	43,743,652	47,484,975	54,127,947	57,094,149	60,047,340
12/31/2007	4,602,030	9,438,283	17,942,979	24,819,494	31,505,774	38,031,136	42,843,663	47,940,392	52,197,434	56,721,561	59,092,729
12/31/2008	5,530,087	13,401,990	22,164,338	32,789,494	42,293,489	48,477,429	52,480,621	55,783,329	59,932,387	61,891,153	
12/31/2009	7,628,251	15,903,520	27,782,271	40,143,284	49,019,284	55,200,202	59,914,710	65,359,762	67,832,396		
12/31/2010	6,494,399	15,016,572	26,412,918	38,439,930	45,675,009	51,063,411	55,049,171	57,155,081			
12/31/2011	7,387,545	14,645,311	22,625,863	29,582,753	34,787,059	40,288,806	44,845,742				
12/31/2012	5,743,628	12,337,356	20,134,442	28,239,709	36,870,447	41,105,129					
12/31/2013	4,975,286	12,237,160	18,724,264	27,659,718	33,876,647						
12/31/2014	4,761,822	11,439,894	19,251,093	26,086,214							
12/31/2015	5,488,309	11,754,843	19,394,362								
12/31/2016	5,647,316	12,917,082									
12/31/2017	4,451,431										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	26,864,043	27,789,325	28,285,537	28,555,717	29,018,742	29,098,335	29,105,461	29,112,865	29,151,670
12/31/1999	32,405,642	33,539,223	33,862,573	34,155,277	34,614,894	34,701,052	34,721,305	34,765,096	
12/31/2000	42,022,772	42,146,448	42,066,803	42,391,725	42,791,912	42,874,057	42,749,270		
12/31/2001	49,755,141	50,130,142	50,402,538	50,856,696	51,410,119	51,570,295			
12/31/2002	41,852,718	43,394,478	43,603,358	44,551,237	45,295,343				
12/31/2003	39,518,823	40,104,993	41,038,263	41,783,695					
12/31/2004	56,230,412	58,226,979	59,174,422						
12/31/2005	49,602,799	50,791,378							
12/31/2006	61,458,224								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1998	1.010	1.016	1.003	1.000	1.000	1.001	1.000	*	
12/31/1999	1.009	1.013	1.002	1.001	1.001	1.000	*	1.000	*
12/31/2000	1.008	1.009	1.002	0.997	1.000	*	1.000	*	1.000
12/31/2001	1.009	1.011	1.003	1.001	*	1.000	*	1.000	*
12/31/2002	1.022	1.017	1.014	*	1.001	*	1.000	*	1.000
12/31/2003	1.018								

Best 3/5      1.012      1.014      1.003 \*      1.000 \*      1.000 \*      1.000 \*      1.000 \*

171 to Ultimate Factor: 1.029

\* 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
12/31/1998	1,337,761	2,670,262	4,077,051	3,646,769	2,923,125	2,406,440	2,532,967	2,499,540	1,427,912	1,252,048	387,848	925,282	496,212
12/31/1999	1,774,365	3,103,535	4,989,003	3,601,193	3,972,888	3,556,738	3,147,553	2,969,382	1,701,197	648,506	1,234,638	1,133,581	323,350
12/31/2000	2,489,082	3,929,827	5,186,984	4,421,471	4,473,133	6,555,230	4,176,072	1,982,899	2,676,783	1,925,170	2,123,413	123,676	-79,645
12/31/2001	3,670,094	6,378,527	6,183,966	5,339,178	5,980,358	6,400,907	4,424,708	3,483,799	2,300,781	1,129,585	877,763	375,001	272,396
12/31/2002	4,502,447	6,675,332	5,968,799	4,567,507	3,320,863	2,847,433	2,451,961	3,413,106	1,845,571	1,426,162	2,021,123	1,541,760	208,880
12/31/2003	2,973,107	6,075,958	4,765,290	4,708,326	4,372,640	2,071,380	2,928,955	2,079,215	1,987,703	1,666,445	1,783,796	586,170	933,270
12/31/2004	3,412,918	6,211,577	6,563,588	4,572,885	4,448,726	4,823,808	4,109,315	5,692,955	4,007,480	4,633,668	4,646,404	1,996,567	947,443
12/31/2005	4,589,253	5,720,927	6,438,834	5,233,745	6,150,204	3,921,070	3,932,666	4,536,563	3,635,759	2,717,985	537,687	1,188,579	
12/31/2006	5,060,223	7,703,613	7,474,575	6,990,698	6,107,432	6,275,167	3,741,323	6,642,972	2,966,202	2,953,191	1,410,884		
12/31/2007	4,836,253	8,504,696	6,876,515	6,686,280	6,525,362	4,812,527	5,096,729	4,257,042	4,524,127	2,371,168			
12/31/2008	7,871,903	8,762,348	10,625,156	9,503,995	6,183,940	4,003,192	3,302,708	4,149,058	1,958,766				
12/31/2009	8,275,269	11,878,751	12,361,013	8,876,000	6,180,918	4,714,508	5,445,052	2,472,634					
12/31/2010	8,522,173	11,396,346	12,027,012	7,235,079	5,388,402	3,985,760	2,105,910						
12/31/2011	7,257,766	7,980,552	6,956,890	5,204,306	5,501,747	4,556,936							
12/31/2012	6,593,728	7,797,086	8,105,267	8,630,738	4,234,682								
12/31/2013	7,261,874	6,487,104	8,935,454	6,216,929									
12/31/2014	6,678,072	7,811,199	6,835,121										
12/31/2015	6,266,534	7,639,519											
12/31/2016	7,269,766												

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
12/31/1998	0.0219	0.0437	0.0667	0.0597	0.0478	0.0394	0.0414	0.0409	0.0234	0.0205	0.0063	0.0151	0.0081
12/31/1999	0.0299	0.0523	0.0840	0.0606	0.0669	0.0599	0.0530	0.0500	0.0287	0.0109	0.0208	0.0191	0.0054
12/31/2000	0.0325	0.0512	0.0676	0.0577	0.0583	0.0855	0.0545	0.0259	0.0349	0.0251	0.0277	0.0016	-0.0010
12/31/2001	0.0472	0.0820	0.0795	0.0687	0.0769	0.0823	0.0569	0.0448	0.0296	0.0145	0.0113	0.0048	0.0035
12/31/2002	0.0601	0.0891	0.0797	0.0610	0.0443	0.0380	0.0327	0.0456	0.0246	0.0190	0.0270	0.0206	0.0028
12/31/2003	0.0445	0.0909	0.0713	0.0705	0.0654	0.0310	0.0438	0.0311	0.0298	0.0249	0.0267	0.0088	0.0140
12/31/2004	0.0413	0.0752	0.0795	0.0554	0.0539	0.0584	0.0498	0.0689	0.0485	0.0561	0.0563	0.0242	0.0115
12/31/2005	0.0603	0.0751	0.0846	0.0687	0.0808	0.0515	0.0517	0.0596	0.0478	0.0357	0.0071	0.0156	
12/31/2006	0.0513	0.0781	0.0758	0.0709	0.0619	0.0636	0.0379	0.0673	0.0301	0.0299	0.0143		
12/31/2007	0.0460	0.0809	0.0654	0.0636	0.0620	0.0458	0.0485	0.0405	0.0430	0.0225			
12/31/2008	0.0594	0.0661	0.0801	0.0717	0.0466	0.0302	0.0249	0.0313	0.0148				
12/31/2009	0.0645	0.0926	0.0964	0.0692	0.0482	0.0368	0.0425	0.0193					
12/31/2010	0.0721	0.0964	0.1017	0.0612	0.0456	0.0337	0.0178						
12/31/2011	0.0661	0.0727	0.0634	0.0474	0.0501	0.0415							
12/31/2012	0.0642	0.0760	0.0790	0.0841	0.0413								
12/31/2013	0.0738	0.0660	0.0909	0.0632									
12/31/2014	0.0673	0.0787	0.0689										
12/31/2015	0.0616	0.0751											
12/31/2016	0.0785												

Best 3/5	0.0685	0.0746	0.0796	0.0645	0.0468	0.0373	0.0351	0.0438	0.0403	0.0302	0.0227	0.0150	0.0059
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LOCAL PRODUCTS (Subline Code 336)  
FULL COVERAGE  
MULTISTATE  
BODILY INJURY - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	6,603,354	7,253,522	7,896,632	8,197,894	7,835,838	8,024,316	7,980,365	8,091,023	7,981,576	8,030,295	7,895,333
12/31/1999	6,142,053	7,697,553	8,654,000	9,088,278	9,227,342	8,878,522	8,754,949	8,874,063	8,825,854	8,843,826	8,888,835
12/31/2000	6,699,115	8,276,546	9,344,668	10,564,056	9,649,951	9,615,514	9,581,590	9,638,778	9,555,790	9,570,523	9,553,949
12/31/2001	6,352,076	7,916,073	9,227,113	9,523,575	9,406,018	9,654,630	9,702,223	9,589,336	9,644,297	9,626,176	9,674,596
12/31/2002	6,855,389	8,155,926	9,674,373	10,882,225	10,831,400	10,733,645	10,734,250	10,717,630	10,717,830	10,714,008	10,820,009
12/31/2003	4,873,781	6,868,819	9,252,913	9,947,851	10,364,094	10,274,345	10,057,645	9,951,462	9,964,640	10,049,679	9,930,741
12/31/2004	5,920,660	7,265,043	8,604,557	9,357,406	9,132,131	8,792,041	8,865,203	8,708,689	8,747,681	8,769,110	8,740,645
12/31/2005	6,523,861	6,979,114	8,591,444	8,692,104	8,601,315	8,532,951	8,521,084	8,559,957	8,452,837	8,431,706	8,431,557
12/31/2006	5,700,119	7,003,299	8,512,093	8,554,541	8,340,621	8,115,222	7,928,150	7,939,442	8,001,354	8,001,354	8,001,354
12/31/2007	5,696,979	6,655,490	8,131,761	8,074,536	8,275,461	8,120,950	7,968,493	7,746,105	7,636,496	7,651,493	7,651,493
12/31/2008	5,907,820	7,254,565	8,207,563	7,911,496	7,714,057	7,815,903	7,834,320	7,715,569	7,715,569	7,764,569	
12/31/2009	6,695,175	7,467,254	9,039,578	9,155,349	9,060,835	9,052,685	8,980,713	9,004,469	9,008,028		
12/31/2010	7,385,076	8,911,435	10,443,898	10,572,896	10,884,892	10,719,856	10,675,240	10,673,296			
12/31/2011	7,054,099	8,080,706	9,074,815	9,603,294	9,391,812	9,243,217	9,181,408				
12/31/2012	5,072,686	6,395,489	7,624,226	7,770,238	7,781,411	7,741,872					
12/31/2013	5,744,062	6,930,437	7,457,188	7,463,259	7,346,629						
12/31/2014	5,533,284	6,379,028	6,802,359	7,028,511							
12/31/2015	5,526,866	5,776,724	6,494,321								
12/31/2016	4,294,337	5,533,643									
12/31/2017	4,245,209										

<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>
12/31/1998	7,918,732	7,908,037	7,908,537	7,909,037	7,913,339	7,938,338	8,138,337	8,113,337	8,133,337
12/31/1999	8,868,289	8,851,340	8,950,340	8,955,141	8,960,141	8,975,141	8,975,141	8,956,943	
12/31/2000	9,650,449	9,575,993	9,612,288	9,648,788	9,638,536	9,618,786	9,743,786		
12/31/2001	9,680,355	9,679,355	9,721,255	9,678,355	9,658,720	9,634,480			
12/31/2002	10,793,071	10,806,070	10,813,600	10,933,599	10,833,600				
12/31/2003	9,919,741	9,909,742	9,909,741	9,919,741					
12/31/2004	8,743,144	8,741,501	8,741,501						
12/31/2005	8,438,981	8,430,514							
12/31/2006	8,001,354								



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
12/31/1998	1.098	1.089	1.038	0.956	1.024	0.995	1.014	0.986	1.006	0.983	1.003
12/31/1999	1.253	1.124	1.050	1.015	0.962	0.986	1.014	0.995	1.002	1.005	0.998
12/31/2000	1.235	1.129	1.130	0.913	0.996	0.996	1.006	0.991	1.002	0.998	1.010
12/31/2001	1.246	1.166	1.032	0.988	1.026	1.005	0.988	1.006	0.998	1.005	1.001
12/31/2002	1.190	1.186	1.125	0.995	0.991	1.000	0.998	1.000	1.000	1.010	0.998
12/31/2003	1.409	1.347	1.075	1.042	0.991	0.979	0.989	1.001	1.009	0.988	0.999
12/31/2004	1.227	1.184	1.087	0.976	0.963	1.008	0.982	1.004	1.002	0.997	1.000
12/31/2005	1.070	1.231	1.012	0.990	0.992	0.999	1.005	0.987	0.998	1.000	1.001
12/31/2006	1.229	1.215	1.005	0.975	0.973	0.977	1.001	1.008	1.000	1.000	1.000
12/31/2007	1.168	1.222	0.993	1.025	0.981	0.981	0.972	0.986	1.002	1.000	
12/31/2008	1.228	1.131	0.964	0.975	1.013	1.002	0.985	1.000	1.006		
12/31/2009	1.115	1.211	1.013	0.990	0.999	0.992	1.003	1.000			
12/31/2010	1.207	1.172	1.012	1.030	0.985	0.996	1.000				
12/31/2011	1.146	1.123	1.058	0.978	0.984	0.993					
12/31/2012	1.261	1.192	1.019	1.001	0.995						
12/31/2013	1.207	1.076	1.001	0.984							
12/31/2014	1.153	1.066	1.033								
12/31/2015	1.045	1.124									
12/31/2016	1.289										
3 Yr Mean	1.162	1.089	1.018	0.988	0.988	0.994	0.996	0.995	1.003	1.000	1.000
Best 3/5	1.207	1.108	1.021	0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.999	1.000	1.000	1.001	1.003	1.025	0.997	1.002			
12/31/1999	0.998	1.011	1.001	1.001	1.002	1.000	0.998	1.001 *			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.013	1.004 *	1.001 *			
12/31/2001	1.000	1.004	0.996	0.998	0.997	1.000 *	1.004 *	1.001 *			
12/31/2002	1.001	1.001	1.011	0.991	0.999 *	1.000 *	1.004 *	1.001 *			
12/31/2003	0.999	1.000	1.001								
12/31/2004	1.000	1.000									
12/31/2005	0.999										
3 Yr Mean	0.999	1.000	1.003	0.996	0.999 @	1.013 @	0.998 @	1.002 @			
Best 3/5	1.000	1.002	1.002	0.999	1.000 *	1.004 *	1.002 *	1.001 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					0.993	0.994	0.995	0.996	1.001	0.999	1.000
12/31/2014				0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000
12/31/2015			1.021	0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000
12/31/2016		1.108	1.021	0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000
12/31/2017	1.207	1.108	1.021	0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	0.989
12/31/2014	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	0.981
12/31/2015	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	1.002
12/31/2016	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	1.110
12/31/2017	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	1.340

\* 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
12/31/1998	104,651	183,618	137,402	75,802	75,802	76,802	76,802	76,802	84,345	84,302	84,302
12/31/1999	357,147	246,142	223,437	219,338	221,172	221,172	221,172	221,172	221,172	221,172	221,172
12/31/2000	314,291	528,582	556,688	476,626	501,626	490,970	486,970	487,970	487,970	486,970	521,970
12/31/2001	278,206	352,745	423,834	497,226	463,174	463,174	453,174	453,174	453,174	466,578	466,578
12/31/2002	408,226	436,004	390,234	498,725	484,971	446,232	446,231	446,231	446,231	446,231	446,231
12/31/2003	137,726	261,136	219,409	274,123	191,730	123,445	121,945	96,844	96,844	96,844	96,844
12/31/2004	711,594	664,590	1,075,135	1,252,571	863,010	864,290	841,891	841,890	841,890	841,890	841,890
12/31/2005	648,240	814,848	1,114,321	1,010,826	905,856	988,273	988,272	988,322	988,322	988,951	988,951
12/31/2006	449,818	935,743	937,460	812,104	834,562	834,005	834,005	834,005	834,005	834,005	834,005
12/31/2007	366,539	604,551	956,120	997,329	947,160	937,260	937,260	968,260	968,260	968,260	962,260
12/31/2008	527,184	422,912	537,374	427,853	351,603	368,464	367,964	367,964	367,964	367,964	
12/31/2009	283,339	295,250	308,523	246,539	438,219	439,219	439,119	439,130	439,119		
12/31/2010	430,140	332,606	401,643	289,143	389,473	389,473	389,473	383,473			
12/31/2011	427,122	653,662	887,478	869,628	877,128	860,729	947,229				
12/31/2012	334,430	460,418	559,627	584,465	718,991	672,795					
12/31/2013	398,180	730,228	918,552	1,034,380	1,049,787						
12/31/2014	948,609	1,103,449	1,048,701	1,319,364							
12/31/2015	609,327	835,185	910,497								
12/31/2016	446,718	579,212									
12/31/2017	529,178										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	84,302	84,302	84,302	84,302	84,302	84,302	85,302	104,302	184,302
12/31/1999	221,172	221,172	247,673	247,673	247,673	247,673	247,673	247,673	
12/31/2000	505,070	505,571	571,905	560,889	567,011	566,053	562,052		
12/31/2001	466,578	463,774	505,428	505,428	480,116	475,915			
12/31/2002	446,231	446,231	446,231	438,731	438,731				
12/31/2003	96,844	96,844	96,844	96,844					
12/31/2004	841,893	841,890	841,890						
12/31/2005	988,951	988,951							
12/31/2006	834,005								

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
12/31/1998	1.755	0.748	0.552	1.000	1.013	1.000	1.000	1.098	0.999	1.000	1.000
12/31/1999	0.689	0.908	0.982	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.682	1.053	0.856	1.052	0.979	0.992	1.002	1.000	0.998	1.072	0.968
12/31/2001	1.268	1.202	1.173	0.932	1.000	0.978	1.000	1.000	1.030	1.000	1.000
12/31/2002	1.068	0.895	1.278	0.972	0.920	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.896	0.840	1.249	0.699	0.644	0.988	0.794	1.000	1.000	1.000	1.000
12/31/2004	0.934	1.618	1.165	0.689	1.001	0.974	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.257	1.368	0.907	0.896	1.091	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	2.080	1.002	0.866	1.028	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.649	1.582	1.043	0.950	0.990	1.000	1.033	1.000	1.000	0.994	
12/31/2008	0.802	1.271	0.796	0.822	1.048	0.999	1.000	1.000	1.000		
12/31/2009	1.042	1.045	0.799	1.777	1.002	1.000	1.000	1.000			
12/31/2010	0.773	1.208	0.720	1.347	1.000	1.000	0.985				
12/31/2011	1.530	1.358	0.980	1.009	0.981	1.100					
12/31/2012	1.377	1.215	1.044	1.230	0.936						
12/31/2013	1.834	1.258	1.126	1.015							
12/31/2014	1.163	0.950	1.258								
12/31/2015	1.371	1.090									
12/31/2016	1.297										
3 Yr Mean	1.277	1.099	1.143	1.085	0.972	1.033	0.995	1.000	1.000	0.998	1.000
Best 3/5	1.348	1.188	1.050	1.197	0.994	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			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.012	1.223	1.767			
12/31/1999	1.000	1.120	1.000	1.000	1.000	1.000	1.000	0.999 *			
12/31/2000	1.001	1.131	0.981	1.011	0.998	0.993	0.999 *	0.999 *			
12/31/2001	0.994	1.090	1.000	0.950	0.991	0.999 *	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								
12/31/2004	1.000	1.000									
12/31/2005	1.000										
3 Yr Mean	1.000	1.000	0.994	0.987	0.996 @	1.002 @	1.112 @	1.767 @			
Best 3/5	1.000	1.030	0.994	1.000	0.999 *	0.999 *	0.999 *	0.999 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					0.994	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2014				1.197	0.994	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015			1.050	1.197	0.994	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016		1.188	1.050	1.197	0.994	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017	1.348	1.188	1.050	1.197	0.994	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
12/31/2013	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	1.010
12/31/2014	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	1.208
12/31/2015	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	1.269
12/31/2016	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	1.507
12/31/2017	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	2.032

\* 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>
12/31/1998	782,535	1,588,636	2,379,963	2,682,330	2,401,677	2,476,134	2,487,849	2,589,249	2,722,147	2,761,760	2,781,079
12/31/1999	804,830	1,804,858	2,421,437	3,104,940	3,451,637	3,454,393	3,553,122	3,947,790	3,944,424	3,981,985	3,992,803
12/31/2000	1,159,693	1,520,745	2,490,459	3,768,949	4,532,835	4,868,694	5,006,790	4,951,638	4,992,285	5,010,477	5,036,148
12/31/2001	969,397	2,089,857	3,423,276	4,302,598	5,412,860	5,911,296	6,814,968	7,066,509	7,320,893	7,160,303	7,316,468
12/31/2002	1,622,388	2,448,370	3,853,938	4,570,868	5,601,176	5,915,951	6,019,450	6,173,084	6,235,265	6,238,780	6,336,926
12/31/2003	775,229	1,568,608	2,410,896	3,219,598	3,963,631	4,335,908	4,514,062	4,493,533	4,502,781	4,541,629	4,615,595
12/31/2004	677,539	1,395,074	2,411,235	3,069,582	3,603,723	3,810,694	3,953,399	4,095,492	4,093,434	4,092,649	4,093,394
12/31/2005	538,158	1,223,369	2,263,008	2,814,412	3,992,525	3,311,500	3,427,332	3,437,255	3,433,484	3,414,297	3,414,327
12/31/2006	704,999	1,682,540	2,861,539	4,142,879	4,908,842	5,258,487	5,367,267	5,324,519	5,357,829	5,353,150	5,353,150
12/31/2007	718,684	1,564,273	2,978,139	3,577,675	4,326,571	4,578,059	4,785,327	4,624,380	4,662,640	4,658,519	4,660,655
12/31/2008	564,562	1,301,056	2,729,685	3,323,728	3,566,757	3,681,452	3,753,154	3,786,407	3,800,681	3,804,721	
12/31/2009	589,235	1,501,659	3,313,055	3,354,146	3,976,251	3,958,274	3,974,501	3,988,117	3,986,272		
12/31/2010	929,929	1,905,378	3,352,814	4,721,453	5,883,707	5,995,346	5,929,873	5,937,282			
12/31/2011	742,749	1,408,392	2,747,985	3,966,704	4,629,352	4,974,405	5,125,278				
12/31/2012	619,515	1,627,529	3,647,040	4,666,743	5,252,168	5,688,957					
12/31/2013	1,031,627	2,217,391	3,674,380	4,735,519	5,368,138						
12/31/2014	804,849	1,507,463	2,361,620	2,885,133							
12/31/2015	553,190	1,068,995	1,822,961								
12/31/2016	498,832	1,250,373									
12/31/2017	535,956										

<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>
12/31/1998	2,795,489	2,803,203	2,813,739	2,838,654	2,836,048	2,843,591	2,994,053	3,104,177	3,118,389
12/31/1999	4,024,326	4,038,127	4,229,068	4,259,781	4,208,030	4,223,791	4,237,879	4,238,256	
12/31/2000	5,435,453	5,200,312	5,270,429	5,323,168	5,385,359	5,408,612	5,451,990		
12/31/2001	7,421,602	7,590,412	7,700,639	7,843,658	8,027,569	8,164,750			
12/31/2002	6,389,619	6,453,378	6,459,201	6,724,259	6,495,731				
12/31/2003	4,595,885	4,595,885	4,593,778	4,643,778					
12/31/2004	4,090,594	4,113,261	4,110,140						
12/31/2005	3,414,327	3,444,774							
12/31/2006	5,353,150								

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>
12/31/1998	806,101	791,327	302,367	-280,653	74,457	11,715	101,400	132,898	39,613	19,319	14,410	7,714	10,536
12/31/1999	1,000,028	616,579	683,503	346,697	2,756	98,729	394,668	-3,366	37,561	10,818	31,523	13,801	190,941
12/31/2000	361,052	969,714	1,278,490	763,886	335,859	138,096	-55,152	40,647	18,192	25,671	399,305	-235,141	70,117
12/31/2001	1,120,460	1,333,419	879,322	1,110,262	498,436	903,672	251,541	254,384	-160,590	156,165	105,134	168,810	110,227
12/31/2002	825,982	1,405,568	716,930	1,030,308	314,775	103,499	153,634	62,181	3,515	98,146	52,693	63,759	5,823
12/31/2003	793,379	842,288	808,702	744,033	372,277	178,154	-20,529	9,248	38,848	73,966	-19,710	0	-2,107
12/31/2004	717,535	1,016,161	658,347	534,141	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	-3,121
12/31/2005	685,211	1,039,639	551,404	1,178,113	-681,025	115,832	9,923	-3,771	-19,187	30	0	30,447	
12/31/2006	977,541	1,178,999	1,281,340	765,963	349,645	108,780	-42,748	33,310	-4,679	0	0		
12/31/2007	845,589	1,413,866	599,536	748,896	251,488	207,268	-160,947	38,260	-4,121	2,136			
12/31/2008	736,494	1,428,629	594,043	243,029	114,695	71,702	33,253	14,274	4,040				
12/31/2009	912,424	1,811,396	41,091	622,105	-17,977	16,227	13,616	-1,845					
12/31/2010	975,449	1,447,436	1,368,639	1,162,254	111,639	-65,473	7,409						
12/31/2011	665,643	1,339,593	1,218,719	662,648	345,053	150,873							
12/31/2012	1,008,014	2,019,511	1,019,703	585,425	436,789								
12/31/2013	1,185,764	1,456,989	1,061,139	632,619									
12/31/2014	702,614	854,157	523,513										
12/31/2015	515,805	753,966											
12/31/2016	751,541												

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>
12/31/1998	0.0643	0.0631	0.0241	-0.0224	0.0059	0.0009	0.0081	0.0106	0.0032	0.0015	0.0011	0.0006	0.0008
12/31/1999	0.0785	0.0484	0.0536	0.0272	0.0002	0.0077	0.0310	-0.0003	0.0029	0.0008	0.0025	0.0011	0.0150
12/31/2000	0.0255	0.0686	0.0904	0.0540	0.0238	0.0098	-0.0039	0.0029	0.0013	0.0018	0.0282	-0.0166	0.0050
12/31/2001	0.0800	0.0952	0.0628	0.0792	0.0356	0.0645	0.0180	0.0182	-0.0115	0.0111	0.0075	0.0120	0.0079
12/31/2002	0.0461	0.0785	0.0400	0.0576	0.0176	0.0058	0.0086	0.0035	0.0002	0.0055	0.0029	0.0036	0.0003
12/31/2003	0.0470	0.0499	0.0479	0.0441	0.0221	0.0106	-0.0012	0.0005	0.0023	0.0044	-0.0012	0.0000	-0.0001
12/31/2004	0.0576	0.0816	0.0529	0.0429	0.0166	0.0115	0.0114	-0.0002	-0.0001	0.0001	-0.0002	0.0018	-0.0003
12/31/2005	0.0508	0.0771	0.0409	0.0874	-0.0505	0.0086	0.0007	-0.0003	-0.0014	0.0000	0.0000	0.0023	
12/31/2006	0.0749	0.0904	0.0982	0.0587	0.0268	0.0083	-0.0033	0.0026	-0.0004	0.0000	0.0000		
12/31/2007	0.0577	0.0965	0.0409	0.0511	0.0172	0.0141	-0.0110	0.0026	-0.0003	0.0001			
12/31/2008	0.0547	0.1061	0.0441	0.0181	0.0085	0.0053	0.0025	0.0011	0.0003				
12/31/2009	0.0676	0.1341	0.0030	0.0461	-0.0013	0.0012	0.0010	-0.0001					
12/31/2010	0.0625	0.0928	0.0877	0.0745	0.0072	-0.0042	0.0005						
12/31/2011	0.0443	0.0891	0.0811	0.0441	0.0230	0.0100							
12/31/2012	0.0798	0.1600	0.0808	0.0464	0.0346								
12/31/2013	0.1003	0.1232	0.0898	0.0535									
12/31/2014	0.0666	0.0810	0.0496										
12/31/2015	0.0466	0.0682											
12/31/2016	0.0682												

Best 3/5	0.0716	0.0978	0.0832	0.0487	0.0129	0.0055	-0.0006	0.0012	-0.0002	0.0001	-0.0001	0.0025	0.0017
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LOCAL PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE  
 BODILY INJURY - OCCURRENCE  
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	Link Ratios						
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1998	1.009	0.999	1.003	1.053	1.037	1.005	1.020 *
12/31/1999	1.007	0.988	1.004	1.003	1.000	1.005 *	1.020 *
12/31/2000	1.010	1.012	1.004	1.008	1.005 *	1.005 *	1.020 *
12/31/2001	1.019	1.023	1.017	1.004 *	1.005 *	1.005 *	1.020 *
12/31/2002	1.041	0.966	1.000 *	1.004 *	1.005 *	1.005 *	1.020 *
12/31/2003	1.011						
Best 3/5	1.013	1.000	1.004 *	1.005 *	1.005 *	1.005 *	1.020 *

171 to Ultimate Factor: 1.053

<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>
	0.324	0.253	0.155	0.072	0.023	0.010	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>
	0.005	0.004	0.004	0.004	0.004	0.002	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	1,624,227	10,977,948	0.155	1,701,597	3,325,824	1.053	3,501,914
12/31/2016	1,337,232	13,733,437	0.253	3,474,569	4,811,801	1.053	5,066,650
12/31/2017	450,529	16,693,654	0.324	5,408,747	5,859,276	1.053	6,169,663

\* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1998	1,357,849	1,570,388	1,810,690	1,972,268	1,990,396	1,839,801	1,878,186	1,854,737	1,901,718	2,032,187	1,951,608
12/31/1999	1,606,756	2,001,530	2,076,139	2,237,951	2,242,488	2,225,805	2,330,001	2,302,722	2,364,574	2,310,129	2,328,101
12/31/2000	2,145,123	2,362,105	2,560,983	2,650,947	2,840,011	3,188,583	3,045,996	3,066,472	3,229,148	3,308,331	3,316,247
12/31/2001	1,723,427	1,771,522	2,049,556	2,126,256	2,008,026	2,060,359	2,226,835	2,399,411	2,407,137	2,479,793	2,473,939
12/31/2002	1,624,590	1,770,089	1,925,803	1,935,445	1,895,509	1,955,304	2,034,052	2,030,021	2,080,638	2,145,760	2,210,145
12/31/2003	1,451,202	2,060,436	2,369,542	2,323,010	2,599,406	2,600,918	2,637,432	2,651,498	2,656,644	2,707,534	2,708,088
12/31/2004	2,207,932	2,488,408	2,505,076	2,445,214	2,510,420	2,516,998	2,445,625	2,484,108	2,504,957	2,513,440	2,508,407
12/31/2005	2,957,140	3,221,765	3,445,324	3,534,285	3,594,929	3,476,741	3,490,097	3,536,585	3,545,955	3,539,665	3,539,943
12/31/2006	3,172,541	3,693,344	3,685,326	3,719,155	3,734,006	3,882,609	3,891,364	4,072,072	4,119,501	4,196,596	4,189,570
12/31/2007	3,032,916	3,114,256	3,102,429	3,437,140	3,712,959	3,682,262	3,824,707	3,797,308	3,789,568	3,762,779	3,771,491
12/31/2008	3,885,793	4,235,868	4,378,591	4,469,965	4,662,154	4,909,703	5,165,659	5,520,397	5,762,539	5,817,484	
12/31/2009	3,677,916	3,837,043	3,868,702	3,896,620	3,880,093	4,106,570	4,116,404	4,261,776	4,327,026		
12/31/2010	4,626,754	4,688,667	4,958,814	4,935,589	4,539,229	4,776,791	4,777,994	4,712,952			
12/31/2011	4,375,000	4,535,427	4,833,244	4,773,187	4,880,574	5,035,491	4,992,592				
12/31/2012	4,133,493	4,253,483	3,978,823	3,853,150	4,010,514	4,007,746					
12/31/2013	3,841,205	3,729,742	4,334,354	4,154,245	4,180,233						
12/31/2014	3,463,496	3,787,789	3,689,972	3,911,913							
12/31/2015	4,707,377	4,990,802	5,598,977								
12/31/2016	4,548,190	4,524,846									
12/31/2017	4,259,746										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	1,878,997	1,884,282	1,883,747	1,883,747	1,886,919	1,883,586	1,883,585	1,883,585	1,886,085
12/31/1999	2,340,378	2,421,200	2,431,483	2,405,972	2,470,871	2,472,072	2,469,571	2,469,571	
12/31/2000	3,322,892	3,316,140	3,319,639	3,312,637	3,312,636	3,310,636	3,310,636		
12/31/2001	2,456,528	2,413,606	2,419,100	2,420,279	2,432,286	2,432,286			
12/31/2002	2,192,041	2,257,683	2,264,558	2,273,158	2,290,451				
12/31/2003	2,748,144	2,732,930	2,716,879	2,739,175					
12/31/2004	2,483,629	2,485,408	2,597,900						
12/31/2005	3,535,343	3,521,102							
12/31/2006	4,242,891								

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
12/31/1998	1.157	1.153	1.089	1.009	0.924	1.021	0.988	1.025	1.069	0.960	0.963
12/31/1999	1.246	1.037	1.078	1.002	0.993	1.047	0.988	1.027	0.977	1.008	1.005
12/31/2000	1.101	1.084	1.035	1.071	1.123	0.955	1.007	1.053	1.025	1.002	1.002
12/31/2001	1.028	1.157	1.037	0.944	1.026	1.081	1.077	1.003	1.030	0.998	0.993
12/31/2002	1.090	1.088	1.005	0.979	1.032	1.040	0.998	1.025	1.031	1.030	0.992
12/31/2003	1.420	1.150	0.980	1.119	1.001	1.014	1.005	1.002	1.019	1.000	1.015
12/31/2004	1.127	1.007	0.976	1.027	1.003	0.972	1.016	1.008	1.003	0.998	0.990
12/31/2005	1.089	1.069	1.026	1.017	0.967	1.004	1.013	1.003	0.998	1.000	0.999
12/31/2006	1.164	0.998	1.009	1.004	1.040	1.002	1.046	1.012	1.019	0.998	1.013
12/31/2007	1.027	0.996	1.108	1.080	0.992	1.039	0.993	0.998	0.993	1.002	
12/31/2008	1.090	1.034	1.021	1.043	1.053	1.052	1.069	1.044	1.010		
12/31/2009	1.043	1.008	1.007	0.996	1.058	1.002	1.035	1.015			
12/31/2010	1.013	1.058	0.995	0.920	1.052	1.000	0.986				
12/31/2011	1.037	1.066	0.988	1.022	1.032	0.991					
12/31/2012	1.029	0.935	0.968	1.041	0.999						
12/31/2013	0.971	1.162	0.958	1.006							
12/31/2014	1.094	0.974	1.060								
12/31/2015	1.060	1.122									
12/31/2016	0.995										
3 Yr Mean	1.050	1.086	0.995	1.023	1.028	0.998	1.030	1.019	1.007	1.000	1.001
Best 3/5	1.028	1.054	0.984	1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.003	1.000	1.000	1.002	0.998	1.000	1.000	1.001			
12/31/1999	1.035	1.004	0.990	1.027	1.000	0.999	1.000	1.000 *			
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000	1.000 *	1.000 *			
12/31/2001	0.983	1.002	1.000	1.005	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	1.030	1.003	1.004	1.008	1.005 *	1.000 *	1.000 *	1.000 *			
12/31/2003	0.994	0.994	1.008								
12/31/2004	1.001	1.045									
12/31/2005	0.996										
3 Yr Mean	0.997	1.014	1.004	1.004	1.000 @	1.000 @	1.000 @	1.001 @			
Best 3/5	0.997	1.002	1.001	1.005	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
12/31/2013					1.046	1.014	1.025	1.010	1.004	0.999	1.001
12/31/2014				1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001
12/31/2015			0.984	1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001
12/31/2016		1.054	0.984	1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001
12/31/2017	1.028	1.054	0.984	1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.108
12/31/2014	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.117
12/31/2015	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.099
12/31/2016	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.158
12/31/2017	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.191

\* 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
12/31/1998	157,924	224,899	253,590	229,478	251,902	259,200	225,813	222,912	284,696	286,522	285,522
12/31/1999	125,391	316,529	317,617	282,616	308,229	292,253	273,195	272,697	279,695	272,695	272,695
12/31/2000	150,416	248,134	188,848	196,780	189,280	253,280	237,878	257,878	215,285	215,285	215,285
12/31/2001	208,337	185,152	211,169	225,824	225,824	216,726	265,726	270,726	265,727	267,726	365,726
12/31/2002	126,361	142,070	179,489	193,002	260,082	377,800	491,895	473,896	511,136	547,821	575,216
12/31/2003	301,928	273,260	286,387	400,997	521,569	603,103	647,217	719,333	800,317	989,921	1,086,391
12/31/2004	271,414	148,753	234,289	358,922	445,685	636,408	620,290	908,519	1,012,477	1,091,692	1,300,429
12/31/2005	197,281	268,813	319,792	399,663	440,559	544,464	604,272	604,850	649,740	1,097,958	1,212,221
12/31/2006	329,693	314,413	429,191	574,642	694,425	791,636	765,563	789,657	977,751	1,111,968	1,015,782
12/31/2007	444,093	654,857	681,805	622,939	592,373	583,394	587,261	684,261	681,411	678,189	678,189
12/31/2008	341,102	249,777	378,523	377,040	388,540	386,540	486,540	486,540	480,041	480,041	
12/31/2009	183,622	185,756	157,956	156,256	156,356	263,169	263,069	363,069	363,069		
12/31/2010	263,109	267,778	262,233	266,329	360,329	360,329	360,329	360,329			
12/31/2011	286,889	314,097	286,926	308,426	286,515	296,515	288,515				
12/31/2012	261,577	237,466	244,631	252,528	238,888	238,888					
12/31/2013	488,486	533,285	562,590	712,931	694,020						
12/31/2014	417,949	518,128	511,190	582,196							
12/31/2015	656,374	749,798	728,287								
12/31/2016	937,497	1,067,681									
12/31/2017	872,110										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	285,637	285,637	285,637	285,637	285,637	285,637	285,637	285,637	285,637
12/31/1999	272,695	272,695	272,695	272,695	272,695	272,695	272,695	272,695	
12/31/2000	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			
12/31/2002	574,442	569,196	569,552	575,757	575,757				
12/31/2003	1,280,210	1,300,582	1,222,192	1,171,335					
12/31/2004	1,292,790	1,187,108	1,181,039						
12/31/2005	1,201,211	1,211,321							
12/31/2006	989,512								

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
12/31/1998	1.424	1.128	0.905	1.098	1.029	0.871	0.987	1.277	1.006	0.997	1.000
12/31/1999	2.524	1.003	0.890	1.091	0.948	0.935	0.998	1.026	0.975	1.000	1.000
12/31/2000	1.650	0.761	1.042	0.962	1.338	0.939	1.084	0.835	1.000	1.000	1.000
12/31/2001	0.889	1.141	1.069	1.000	0.960	1.226	1.019	0.982	1.008	1.366	1.000
12/31/2002	1.124	1.263	1.075	1.348	1.453	1.302	0.963	1.079	1.072	1.050	0.999
12/31/2003	0.905	1.048	1.400	1.301	1.156	1.073	1.111	1.113	1.237	1.097	1.178
12/31/2004	0.548	1.575	1.532	1.242	1.428	0.975	1.465	1.114	1.078	1.191	0.994
12/31/2005	1.363	1.190	1.250	1.102	1.236	1.110	1.001	1.074	1.690	1.104	0.991
12/31/2006	0.954	1.365	1.339	1.208	1.140	0.967	1.031	1.238	1.137	0.913	0.974
12/31/2007	1.475	1.041	0.914	0.951	0.985	1.007	1.165	0.996	0.995	1.000	
12/31/2008	0.732	1.515	0.996	1.031	0.995	1.259	1.000	0.987	1.000		
12/31/2009	1.012	0.850	0.989	1.001	1.683	1.000	1.380	1.000			
12/31/2010	1.018	0.979	1.016	1.353	1.000	1.000	1.000				
12/31/2011	1.095	0.913	1.075	0.929	1.035	0.973					
12/31/2012	0.908	1.030	1.032	0.946	1.000						
12/31/2013	1.092	1.055	1.267	0.973							
12/31/2014	1.240	0.987	1.139								
12/31/2015	1.142	0.971									
12/31/2016	1.139										

3 Yr Mean	1.174	1.004	1.146	0.949	1.012	0.991	1.127	0.994	1.044	1.006	0.986
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Best 3/5	1.124	0.996	1.082	0.973	1.012	1.002	1.065	1.023	1.072	1.067	0.995
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	0.991	1.001	1.011	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.016	0.940	0.958								
12/31/2004	0.918	0.995									
12/31/2005	1.008										

3 Yr Mean	0.981	0.979	0.990	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
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Best 3/5	1.000	0.998	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
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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
12/31/2013					1.012	1.002	1.065	1.023	1.072	1.067	0.995
12/31/2014				0.973	1.012	1.002	1.065	1.023	1.072	1.067	0.995
12/31/2015			1.082	0.973	1.012	1.002	1.065	1.023	1.072	1.067	0.995
12/31/2016		0.996	1.082	0.973	1.012	1.002	1.065	1.023	1.072	1.067	0.995
12/31/2017	1.124	0.996	1.082	0.973	1.012	1.002	1.065	1.023	1.072	1.067	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.255
12/31/2014	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.221
12/31/2015	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.321
12/31/2016	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.316
12/31/2017	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.479

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

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

Allocated Expenses as of:

<u>A.Y.E</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	91,782	141,656	257,077	417,474	522,484	679,308	712,032	693,170	846,549	1,136,869	1,396,280
12/31/1999	181,936	337,067	603,218	766,776	842,083	936,228	1,125,458	1,229,613	1,373,857	1,556,607	1,687,060
12/31/2000	302,940	496,355	721,571	877,421	1,100,407	1,356,273	1,776,124	1,995,380	2,169,664	2,469,497	2,639,991
12/31/2001	216,535	309,054	519,615	757,525	906,521	1,142,063	1,586,443	1,917,847	1,868,832	2,072,075	2,196,340
12/31/2002	181,573	341,083	591,644	911,289	1,013,752	1,140,026	1,229,580	1,303,088	1,364,666	1,562,005	1,752,328
12/31/2003	65,613	686,781	1,048,042	1,219,104	1,372,862	1,409,879	1,468,581	1,558,976	1,632,964	1,734,881	1,818,596
12/31/2004	167,404	323,283	492,704	693,371	817,596	992,571	1,013,791	1,035,205	1,066,627	1,074,808	1,102,415
12/31/2005	256,929	343,197	641,866	833,939	886,939	975,469	1,040,434	1,164,142	1,158,657	1,157,967	1,162,276
12/31/2006	165,429	402,611	691,807	1,000,699	1,290,385	1,637,987	1,719,758	2,029,803	2,077,679	2,167,619	2,169,214
12/31/2007	418,783	925,799	1,293,409	2,026,117	2,376,159	2,821,493	2,852,466	3,071,495	3,141,447	3,120,844	2,994,079
12/31/2008	438,170	1,034,773	1,521,967	2,586,147	3,562,178	5,773,199	8,274,706	9,698,489	9,683,777	9,087,789	
12/31/2009	669,778	1,166,618	1,302,927	1,334,905	1,492,762	1,563,893	1,874,710	2,056,703	2,081,430		
12/31/2010	230,371	431,467	751,051	1,109,447	1,215,671	1,378,877	1,584,760	1,775,279			
12/31/2011	417,167	766,501	1,157,854	1,546,670	1,865,811	1,877,509	1,905,119				
12/31/2012	270,654	573,679	966,473	1,109,502	1,308,007	1,493,387					
12/31/2013	436,669	593,795	868,303	1,085,225	1,308,462						
12/31/2014	215,770	526,240	763,031	1,002,559							
12/31/2015	427,785	858,191	1,216,821								
12/31/2016	333,294	640,742									
12/31/2017	438,060										

<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>
12/31/1998	1,403,445	1,413,209	1,425,838	1,425,562	1,426,073	1,423,563	1,423,563	1,423,563	1,423,563
12/31/1999	2,084,368	2,219,312	2,379,849	2,502,487	2,519,533	2,520,259	2,520,321	2,520,321	
12/31/2000	2,789,366	2,902,067	2,967,577	2,914,387	2,938,923	2,963,923	2,958,388		
12/31/2001	2,311,057	2,398,464	2,426,334	2,515,945	2,742,434	2,742,434			
12/31/2002	1,844,219	2,116,841	2,275,683	2,306,670	2,306,395				
12/31/2003	1,879,279	1,898,546	1,921,828	1,965,853					
12/31/2004	1,102,371	1,116,272	1,146,297						
12/31/2005	1,339,277	1,215,109							
12/31/2006	2,341,464								

LOCAL 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>
12/31/1998	49,874	115,421	160,397	105,010	156,824	32,724	-18,862	153,379	290,320	259,411	7,165	9,764	12,629
12/31/1999	155,131	266,151	163,558	75,307	94,145	189,230	104,155	144,244	182,750	130,453	397,308	134,944	160,537
12/31/2000	193,415	225,216	155,850	222,986	255,866	419,851	219,256	174,284	299,833	170,494	149,375	112,701	65,510
12/31/2001	92,519	210,561	237,910	148,996	235,542	444,380	331,404	-49,015	203,243	124,265	114,717	87,407	27,870
12/31/2002	159,510	250,561	319,645	102,463	126,274	89,554	73,508	61,578	197,339	190,323	91,891	272,622	158,842
12/31/2003	621,168	361,261	171,062	153,758	37,017	58,702	90,395	73,988	101,917	83,715	60,683	19,267	23,282
12/31/2004	155,879	169,421	200,667	124,225	174,975	21,220	21,414	31,422	8,181	27,607	-44	13,901	30,025
12/31/2005	86,268	298,669	192,073	53,000	88,530	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	
12/31/2006	237,182	289,196	308,892	289,686	347,602	81,771	310,045	47,876	89,940	1,595	172,250		
12/31/2007	507,016	367,610	732,708	350,042	445,334	30,973	219,029	69,952	-20,603	-126,765			
12/31/2008	596,603	487,194	1,064,180	976,031	2,211,021	2,501,507	1,423,783	-14,712	-595,988				
12/31/2009	496,840	136,309	31,978	157,857	71,131	310,817	181,993	24,727					
12/31/2010	201,096	319,584	358,396	106,224	163,206	205,883	190,519						
12/31/2011	349,334	391,353	388,816	319,141	11,698	27,610							
12/31/2012	303,025	392,794	143,029	198,505	185,380								
12/31/2013	157,126	274,508	216,922	223,237									
12/31/2014	310,470	236,791	239,528										
12/31/2015	430,406	358,630											
12/31/2016	307,448												

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>
12/31/1998	0.0252	0.0583	0.0810	0.0530	0.0792	0.0165	-0.0095	0.0775	0.1466	0.1310	0.0036	0.0049	0.0064
12/31/1999	0.0502	0.0862	0.0530	0.0244	0.0305	0.0613	0.0337	0.0467	0.0592	0.0423	0.1287	0.0437	0.0520
12/31/2000	0.0457	0.0532	0.0368	0.0527	0.0604	0.0991	0.0518	0.0412	0.0708	0.0403	0.0353	0.0266	0.0155
12/31/2001	0.0284	0.0646	0.0730	0.0457	0.0723	0.1364	0.1017	-0.0150	0.0624	0.0381	0.0352	0.0268	0.0086
12/31/2002	0.0685	0.1076	0.1373	0.0440	0.0542	0.0385	0.0316	0.0264	0.0848	0.0817	0.0395	0.1171	0.0682
12/31/2003	0.2140	0.1245	0.0589	0.0530	0.0128	0.0202	0.0311	0.0255	0.0351	0.0288	0.0209	0.0066	0.0080
12/31/2004	0.0530	0.0576	0.0682	0.0422	0.0595	0.0072	0.0073	0.0107	0.0028	0.0094	0.0000	0.0047	0.0102
12/31/2005	0.0213	0.0739	0.0475	0.0131	0.0219	0.0161	0.0306	-0.0014	-0.0002	0.0011	0.0438	-0.0307	
12/31/2006	0.0478	0.0582	0.0622	0.0583	0.0700	0.0165	0.0624	0.0096	0.0181	0.0003	0.0347		
12/31/2007	0.0990	0.0717	0.1430	0.0683	0.0869	0.0060	0.0427	0.0137	-0.0040	-0.0247			
12/31/2008	0.0904	0.0738	0.1612	0.1479	0.3350	0.3790	0.2157	-0.0022	-0.0903				
12/31/2009	0.1088	0.0299	0.0070	0.0346	0.0156	0.0681	0.0399	0.0054					
12/31/2010	0.0393	0.0625	0.0701	0.0208	0.0319	0.0403	0.0373						
12/31/2011	0.0576	0.0645	0.0641	0.0526	0.0019	0.0046							
12/31/2012	0.0659	0.0854	0.0311	0.0432	0.0403								
12/31/2013	0.0330	0.0577	0.0456	0.0469									
12/31/2014	0.0578	0.0441	0.0446										
12/31/2015	0.0620	0.0517											
12/31/2016	0.0582												

Best 3/5	0.0593	0.0580	0.0514	0.0416	0.0293	0.0381	0.0484	0.0046	-0.0005	0.0036	0.0317	0.0127	0.0114
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LOCAL PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE  
 PROPERTY DAMAGE - OCCURRENCE  
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	Link Ratios						
	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1998	1.000	1.000	0.998	1.000	1.000	1.000	1.000 *
12/31/1999	1.052	1.007	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	1.037	1.090	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.014	1.000	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.023						
Best 3/5	1.024	1.005	1.000 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.029

<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>
	0.390	0.330	0.272	0.221	0.179	0.150	0.112
<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>
	0.064	0.059	0.059	0.056	0.024	0.011	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	1,289,373	7,028,122	0.272	1,911,646	3,201,019	1.029	3,293,701
12/31/2016	727,654	6,082,861	0.330	2,007,337	2,734,991	1.029	2,814,146
12/31/2017	453,838	7,019,634	0.390	2,737,662	3,191,500	1.029	3,283,901

\* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2013 - 2017

<u>Item *</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2013 - 2017 Mean</u>
1. Direct Losses Incurred	\$19,650,392	\$20,723,228	\$25,486,854	\$26,406,385	\$23,400,844	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,575,153	\$5,301,984	\$6,171,818	\$5,132,541	\$6,233,925	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,296,595	\$2,476,228	\$2,580,924	\$2,694,622	\$2,384,924	
4. Incurred Losses + ALAE [(1) + (2)]	\$25,225,545	\$26,025,212	\$31,658,672	\$31,538,926	\$29,634,769	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.1%	9.5%	8.2%	8.5%	8.0%	8.7%
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) 7/1/2015 to 7/1/2020 AYE 12/31/2015	+ 1.5%	+ 2.9%	+ 2.8%
b) 7/1/2016 to 7/1/2020 AYE 12/31/2016	+ 1.9%	+ 2.9%	+ 2.8%
c) 7/1/2017 to 7/1/2020 AYE 12/31/2017	+ 2.2%	+ 2.9%	+ 2.8%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 3.0%	+ 3.6%	
Eight Years	+ 3.2%	+ 5.5%	
Six Years	+ 4.8%	+ 5.8%	
b) Selected	+ 2.5%	+ 4.5%	
(3) <u>FREQUENCY TREND</u>			
Selected	- 0.5%		
(4) <u>TOTAL ANNUAL NET TREND</u>			
Net trend = (frequency trend x severity trend) / exposure trend			

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

LOCAL PRODUCTS / COMPLETED OPERATIONS  
AVERAGE ANNUAL EXPOSURE TRENDS  
FOR ACCIDENT YEARS ENDING 12/31/2015, 12/31/2016 & 12/31/2017

(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			
2007	1			0.955				20.243				2014	1			1.012				24.295			
	2			0.959				20.497					2			1.016				24.404			
	3			0.961				20.718					3			1.020				24.527			
	4			0.963				20.928					4			1.022				24.655			
2008	1			0.962				21.143				2015	1			1.025				24.767			
	2			0.958				21.357					2			1.027				24.913			
	3			0.956				21.604					3			1.029				25.019			
	4			0.957				21.880					4			1.031				25.174			
2009	1			0.961				22.128				2016	1			1.031				25.317			
	2			0.966				22.349					2			1.032				25.484			
	3			0.969				22.502					3			1.031				25.742			
	4			0.968				22.653					4			1.032				25.950			
2010	1			0.964				22.806				2017	1			1.035				26.162			
	2			0.962				22.928					2			1.036				26.325			
	3			0.962				23.080					3			1.039				26.521			
	4			0.965				23.208					4			1.042				26.707			
2011	1			0.968				23.312				2018	1			1.044				26.937			
	2			0.973				23.427					2			1.049				27.181			
	3			0.978				23.556					3P			1.054				27.392			
	4			0.982				23.638					4P			1.060				27.626			
2012	1			0.986				23.715				2019	1P			1.067				27.827			
	2			0.990				23.794					2P			1.075				28.025			
	3			0.995				23.873					3P			1.084				28.220			
	4			1.000				23.965					4P			1.093				28.419			
2013	1			1.004				24.062				2020	1P			1.100				28.619			
	2			1.006				24.140					2P			1.105				28.801			
	3			1.008				24.167					3P			1.109				28.956			
	4			1.010				24.208					4P			1.112				29.080			
CHANGE IN EXPOSURES				LOCAL PRODUCTS				COMPLETED OPERATIONS															
7/1/2015 to 7/1/2020				(2020:4/2015:4)				1.079				1.155											
7/1/2016 to 7/1/2020				(2020:4/2016:4)				1.078				1.121											
7/1/2017 to 7/1/2020				(2020:4/2017:4)				1.068				1.089											
AVERAGE ANNUAL TREND FACTOR																							
7/1/2015 to 7/1/2020				( 5.0 YRS )				1.015				1.029											
7/1/2016 to 7/1/2020				( 4.0 YRS )				1.019				1.029											
7/1/2017 to 7/1/2020				( 3.0 YRS )				1.022				1.029											

\* 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
12/31/2008	\$41,536,801	1,464	\$28,372	\$26,066		
12/31/2009	37,718,068	1,537	24,540	26,850		
12/31/2010	48,470,935	1,656	29,270	27,658	\$27,535	
12/31/2011	43,757,831	1,539	28,433	28,490	28,405	
12/31/2012	45,498,643	1,496	30,414	29,348	29,302	\$27,869
12/31/2013	45,465,433	1,577	28,830	30,231	30,228	29,211
12/31/2014	38,593,732	1,382	27,926	31,140	31,183	30,618
12/31/2015	35,677,692	1,165	30,625	32,077	32,169	32,092
12/31/2016	32,280,859	974	33,143	33,043	33,185	33,637
12/31/2017	35,839,976	939	38,168	34,037	34,234	35,257

Goodness of Fit Statistic, R-Squared: 0.596 0.546 0.608

Average Annual Severity Trend (10 yr) + 3.0%

Average Annual Severity Trend ( 8 yr) + 3.2%

Average Annual Severity Trend ( 6 yr) + 4.8%

Selected Annual Severity Trend + 2.5%

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

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

(See Section B - Explanation of Trend Calculation).

# OCCURRENCE SEVERITY TREND

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

### Property Damage

(1) Accident Year <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>
12/31/2008	\$172,882,541	5,903	\$29,287	\$27,804		
12/31/2009	184,504,263	5,751	32,082	28,801		
12/31/2010	175,197,916	5,960	29,396	29,835	\$27,424	
12/31/2011	155,130,790	5,780	26,839	30,905	28,934	
12/31/2012	156,142,534	5,156	30,284	32,014	30,528	\$30,342
12/31/2013	140,114,647	4,383	31,968	33,162	32,209	32,103
12/31/2014	137,418,459	4,037	34,040	34,352	33,983	33,967
12/31/2015	144,652,655	4,000	36,163	35,584	35,854	35,939
12/31/2016	145,372,397	3,794	38,316	36,861	37,829	38,026
12/31/2017	138,646,254	3,480	39,841	38,183	39,913	40,234
Goodness of Fit Statistic, R-Squared:				0.707	0.918	0.996
Average Annual Severity Trend (10 yr)				+ 3.6%		
Average Annual Severity Trend ( 8 yr)				+ 5.5%		
Average Annual Severity Trend ( 6 yr)				+ 5.8%		
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).

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 <sup>1</sup>	(4) Occurrence Frequency <u>(3)/(2)<sup>2</sup></u>
12/31/2004	\$ 248,607,755	7,903	31.79
12/31/2005	273,734,243	7,665	28.00
12/31/2006	292,402,382	8,202	28.05
12/31/2007	291,588,690	8,155	27.97
12/31/2008	282,774,544	8,626	30.50
12/31/2009	270,535,015	8,651	31.98
12/31/2010	259,837,047	8,875	34.16
12/31/2011	260,856,145	8,539	32.73
12/31/2012	263,370,990	8,195	31.12
12/31/2013	268,079,423	7,926	29.57
12/31/2014	273,456,815	7,746	28.33
12/31/2015	281,770,127	7,556	26.82
12/31/2016	297,069,843	7,223	24.31
12/31/2017	302,232,137	6,776	22.42

Selected Annual Frequency Trend: - 0.5%

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

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

## 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  $i$ .

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

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

## 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 0.997 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 \* .953 \* .975

CLASS	AYE 2017 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	156588	803629	1.06741	.2676	.909	1.013	.941	-5.8	.052	.049	
10145	80992	663218	.43482	.2413	.751	.837	.778	-16.7	.012	.010	L
10146	28674	305521	.40505	.1646	.778	.867	.806	-21.1	.019	.015	
10352	38346	212940	.26838	.1422	.768	.856	.795	-20.5	.088	.070	
11039	360055	1782267	1.29217	.4105	1.032	1.151	1.069	7.4	.068	.073	
11258	44442	120722	.18720	.1186	.773	.862	.801	-20.6	.340	.270	
11259	1034	2731	.00000	.0865	.778	.867	.806	-19.4	.227	.183	
11288	87499	433769	1.30279	.1938	.939	1.047	.973	-2.3	.087	.085	
12374	268880	970851	1.18599	.2967	.951	1.060	.985	-1.4	.070	.069	
12375	179490	760193	.16925	.2597	.674	.751	.698	-20.3	.059	.047	L
13673	295039	2099504	1.04330	.4455	.937	1.045	.971	0.0	.013	.013	
13720	28898	183843	.57622	.1349	.814	.907	.843	-15.9	.069	.058	
14401	56247	229369	.34218	.1462	.777	.866	.805	-19.7	.142	.114	
15224	110831	551572	1.20193	.2189	.928	1.035	.962	-4.1	.073	.070	
16900	791905	2941877	.74955	.5211	.798	.890	.827	-17.6	.142	.117	
16901	2552884	11544879	.83626	.7999	.839	.935	.869	-13.3	.166	.144	
16902	142699	773252	.61877	.2621	.790	.881	.819	-17.5	.080	.066	
16905								-17.6	.142	.117	
16906								-13.3	.166	.144	
16910	2715958	12652914	.97810	.8138	.954	1.064	.989	-1.5	.068	.067	
16911	232829	914393	1.03987	.2872	.905	1.009	.938	-5.6	.071	.067	
16915	109157	543507	.82770	.2172	.846	.943	.876	-12.3	.065	.057	
16916	1179926	5608952	.93442	.6655	.907	1.011	.939	-6.7	.075	.070	
16920	14455	87209	.96848	.1097	.864	.963	.895	-10.9	.129	.115	
16921	1861	7273	.00000	.0878	.777	.866	.805	-20.0	.065	.052	
16930	82184	342277	.90259	.1732	.860	.959	.891	-10.8	.194	.173	
16931	29918	133518	.09045	.1219	.759	.846	.786	-20.9	.091	.072	
16940	1019	4774	.00000	.0871	.777	.866	.805	-20.0	.065	.052	
16941	25130	107246	.25366	.1150	.783	.873	.811	-18.6	.140	.114	
18435	259507	1448308	1.37387	.3684	1.044	1.164	1.082	7.5	.053	.057	
18436	23621	105545	.36160	.1146	.795	.886	.823	-17.5	.234	.193	
18501	446581	2212759	.99948	.4571	.919	1.025	.952	-6.3	.016	.015	
45900	24678	290320	.86631	.1610	.854	.952	.885	-11.9	.067	.059	
49617	641421	2094354	1.04564	.4450	.938	1.046	.972	-2.7	.221	.215	
57001	47970	183140	2.13190	.1347	1.024	1.142	1.061	4.8	.021	.022	

X-TILDE: .919 X-TILDE (MONOLINE): .897 PI-TILDE: .0049604  
 TAU SQUARED: .03000 SIGMA SQUARED: 97060.81690

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

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.007 \* .975

CLASS	AYE 2017 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	6533	44227	.25086	.0888	1.010	.967	.949	-4.8	.021	.020
10042	2194989	6733781	1.00966	.8481	1.021	.978	.960	-4.2	.480	.460
10060	5011	18855	.00000	.0712	1.007	.965	.947	-5.8	.086	.081
10065	25000	164971	.16413	.1642	.933	.894	.878	-11.1	.036	.032
10066	4112	17847	.00000	.0705	1.008	.966	.948	-4.5	.067	.064
10071	545864	2976842	1.01320	.7145	1.033	.989	.971	-3.2	.095	.092
10073	12461250	46343633	1.05913	.9744	1.060	1.015	.997	0.0	.550	.550
10075	1022	13608	.42622	.0675	1.040	.996	.978	-2.2	.183	.179
10107	49896	305202	1.42208	.2375	1.164	1.115	1.095	9.6	.209	.229
10115	66973	332776	.64409	.2504	.974	.933	.916	-8.5	.082	.075
10309	38518	205742	.03777	.1870	.889	.852	.837	-14.3	.021	.018
11020	5838	34050	23.25094	.0819	2.900	2.778	2.728	24.7	.150	.187
11127	125865	557005	.51631	.3412	.890	.852	.837	-18.2	.011	.009
11128	35197	171349	1.60449	.1679	1.172	1.123	1.103	9.7	.072	.079
11204	17152	95998	.34050	.1228	.993	.951	.934	-6.7	1.790	1.670
11234	31297	157324	.01610	.1598	.914	.875	.859	-14.1	.071	.061
12014	28936	179333	.26512	.1724	.943	.903	.887	-11.6	.043	.038
12356	11775	54011	.56529	.0954	1.035	.991	.973	-3.3	.030	.029
12510	9162	39469	.00000	.0856	.991	.949	.932	-6.3	.032	.030
12805	987442	5164410	.93092	.8112	.960	.920	.903	-9.9	.131	.118
13351	691189	4678670	.92213	.7958	.955	.915	.898	-9.5	.042	.038
13352	3048	48430	.00000	.0917	.985	.943	.926	-7.4	.054	.050
13506	114591	555883	.87367	.3408	1.012	.969	.951	-4.8	.083	.079
13507	74832	301709	.91523	.2358	1.044	1.000	.982	-1.5	.194	.191
13716	799970	4042249	.89717	.7715	.940	.900	.884	-11.6	.138	.122
13759	31564	133151	.01685	.1456	.929	.890	.874	-12.6	.174	.152
14101	11264	80176	1.51795	.1127	1.133	1.085	1.065	5.3	.038	.040
14279	139086	688181	.66770	.3848	.924	.885	.869	-13.3	.075	.065
14913	75069	306658	1.54064	.2382	1.193	1.143	1.122	12.4	.145	.163
15538	16414	132948	.08013	.1455	.938	.898	.882	-10.5	.019	.017
15600	5354	34385	.00000	.0821	.995	.953	.936	-6.9	.102	.095
15608	2265	17903	.00000	.0706	1.008	.966	.948	-8.3	.012	.011
15839	33893	170442	.93035	.1674	1.058	1.013	.995	0.0	.028	.028
15991	38725	218116	.63280	.1936	.997	.955	.938	-6.0	.083	.078
15993	6946	47743	1.26142	.0912	1.100	1.054	1.035	3.9	.051	.053
16403	163758	547754	1.30314	.3379	1.158	1.109	1.089	8.5	.129	.140
16676	1394	6856	.00861	.0627	1.017	.974	.956	-6.7	.015	.014

X-TILDE: 1.022 X-TILDE (MONOLINE): 1.044 PI-TILDE: .0025832

TAU SQUARED: .22249 SIGMA SQUARED: 287922.37749

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION



## LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.007 \* .975

CLASS	AYE 2017 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	95740	698656	.63435	.3881	.910	.872	.856	-14.1	.170	.146
18109	528	3285	.00000	.0601	1.019	.976	.958	-5.4	.037	.035
18110	63755	355263	.29440	.2607	.878	.841	.826	-17.8	.045	.037
18206	355127	2380168	1.21315	.6681	1.170	1.121	1.101	9.8	.092	.101
18335	7251	68630	.08486	.1051	.979	.938	.921	-10.5	.019	.017
18506	42	336	.00000	.0579	1.021	.978	.960	0.0	.006	.006
18507	1510	9629	.00000	.0647	1.014	.971	.953	0.0	.009	.009
18708	7609	37142	15.21689	.0840	2.271	2.175	2.135	25.0	.012	.015
18834	4638	30904	.00000	.0797	.998	.956	.939	-6.1	.132	.124
18911	6341	48069	.33587	.0914	1.016	.973	.955	-5.3	.019	.018
18912	1289	5795	1.22243	.0619	1.093	1.047	1.028	3.0	.033	.034
18920	519	10031	.26348	.0649	1.031	.988	.970	-5.0	.020	.019
45819	454147	2964840	1.09459	.7137	1.092	1.046	1.027	2.1	.048	.049
49618	509	1744	4.59289	.0590	1.291	1.237	1.215	21.8	.055	.067
49619	181103	851735	1.51933	.4317	1.272	1.218	1.196	19.4	.093	.111

U

X-TILDE: 1.022    X-TILDE (MONOLINE): 1.044    PI-TILDE: .0025832  
 TAU SQUARED: .22249    SIGMA SQUARED: 287922.37749

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

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 11

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.026 \* .975

CLASS	AYE 2017 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	.973	1.000	1.000	0.0	.590	.590	
92054	0	16	.00000	.1250	.852	.856	.856	-13.3	.300	.260	
92055	1012	4470	.00000	.1256	.851	.855	.855	-15.2	.330	.280	
95124	611904	3841143	.91000	.4395	.945	.950	.950	-5.6	.710	.670	
98303	137773	409498	.79969	.1744	.943	.948	.948	-5.2	10.300	9.760	
98304	3361959	11696735	.91079	.6770	.931	.936	.936	-6.3	4.440	4.160	
98305	3275279	11559895	1.02220	.6746	1.006	1.011	1.011	1.1	1.890	1.910	
98306	40031	121111	.42440	.1402	.896	.901	.901	-10.0	1.200	1.080	
98307	2320	10073	.21761	.1263	.878	.882	.882	-11.3	.710	.630	
98308	362104	1653294	2.44533	.2952	1.408	1.415	1.415	24.4	.780	.970	U
98309	54168	141060	.05601	.1427	.842	.846	.846	-15.4	3.570	3.020	
98344	59226	259510	.93833	.1570	.968	.973	.973	-2.8	.720	.700	
98449	2904156	9512760	1.07134	.6338	1.035	1.040	1.040	3.9	28.400	29.500	
98805	271067	1005130	1.06509	.2370	.995	1.000	1.000	0.0	1.420	1.420	
98813	653380	2293467	.78997	.3446	.910	.915	.915	-8.4	2.980	2.730	
98967	1515579	4988026	1.45697	.4938	1.212	1.218	1.218	22.0	8.770	10.700	
99003	61311	201177	1.37373	.1500	1.033	1.038	1.038	4.0	1.770	1.840	
99826	35866	168743	.58689	.1460	.917	.922	.922	-8.1	.620	.570	
99827	92866	444072	1.21491	.1783	1.016	1.021	1.021	1.6	.630	.640	
99948	3943844	12485382	.98708	.6901	.983	.988	.988	-1.2	33.700	33.300	
99952	607338	1660195	1.28334	.2958	1.065	1.070	1.070	7.0	22.700	24.300	
99953	273472	979741	1.07914	.2345	.998	1.003	1.003	0.0	12.800	12.800	
99954	300384	920472	.90930	.2287	.959	.964	.964	-3.5	14.400	13.900	
99955	1171790	5043251	.50558	.4962	.741	.745	.745	-21.6	13.400	10.500	L

X-TILDE: 1.018 X-TILDE (MONOLINE): .995 PI-TILDE: .0073635  
 TAU SQUARED: .03000 SIGMA SQUARED: 205370.14616

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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 \* 1.006 \* .975

CLASS	AYE 2017 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	2529654	10076217	1.16550	.5064	1.059	1.109	1.088	8.9	6.660	7.250
91150	1357749	5122863	.86606	.3544	.920	.963	.945	-5.5	6.750	6.380
91155	7511990	21898395	.93989	.6840	.943	.987	.968	-3.2	46.300	44.800
91340	28252292	89456107	1.10241	.8966	1.087	1.138	1.116	12.0	10.800	12.100
91341	10649912	34893847	1.12370	.7735	1.084	1.135	1.113	11.4	4.840	5.390
91342	15198682	50918317	.87123	.8322	.884	.926	.908	-9.1	5.050	4.590
91343	386566	1673302	1.50648	.1781	1.048	1.097	1.076	7.7	1.430	1.540
91436	308045	1304033	.50197	.1534	.880	.921	.903	-9.8	2.950	2.660
91507	58425	229310	.02488	.0720	.882	.924	.906	-9.5	4.740	4.290
91551	995560	4342209	.58815	.3214	.833	.872	.855	-14.3	.840	.720
91555	148838	710323	.35232	.1103	.883	.925	.907	-9.4	1.280	1.160
91560	17480451	58635279	.87549	.8508	.886	.928	.910	-9.0	6.030	5.490
91577	1856424	6700757	.96785	.4121	.957	1.002	.983	-1.7	3.450	3.390
91746	3087702	14183583	.81283	.5870	.869	.910	.893	-10.6	5.370	4.800
92101	676327	2916339	1.09936	.2517	.987	1.034	1.014	1.5	3.240	3.290
92102	577964	2616320	1.11878	.2352	.989	1.036	1.016	1.7	3.510	3.570
92215	12397292	43049187	.87750	.8077	.891	.933	.915	-8.5	4.340	3.970
92338	5289210	17849715	.89415	.6396	.914	.957	.939	-6.0	2.320	2.180
92446	326313	1201920	.50952	.1462	.885	.927	.909	-9.0	2.340	2.130
92447	53536	283644	.11597	.0765	.885	.927	.909	-9.3	2.050	1.860
92451	2525231	12785895	.97051	.5627	.961	1.006	.987	-1.3	2.330	2.300
92478	20355371	81884229	.90623	.8882	.911	.954	.936	-6.3	2.240	2.100
94007	11609884	36198134	1.05248	.7798	1.030	1.079	1.058	5.8	6.380	6.750
94276	2414702	7797276	.87674	.4464	.917	.960	.942	-5.8	5.910	5.570
94569	2289245	9766120	1.48988	.4990	1.219	1.276	1.252	24.9	3.250	4.060
95410	7666690	28127866	.98081	.7343	.972	1.018	.999	0.0	3.520	3.520
95455	1005907	4857410	.62046	.3435	.836	.875	.858	-14.4	2.080	1.780
95505	95523	459178	.25687	.0907	.886	.928	.910	-9.0	2.680	2.440
95625	1415485	5145756	1.06824	.3553	.991	1.038	1.018	1.8	3.920	3.990
95647	26501592	121180419	.97014	.9214	.968	1.014	.995	-0.5	5.660	5.630
96053	663901	2222951	.70748	.2124	.898	.940	.922	-7.7	5.950	5.490
96410	2005425	7110579	1.06046	.4254	.996	1.043	1.023	1.9	10.600	10.800
96611	344396	1218775	1.44026	.1474	1.021	1.069	1.049	4.9	1.840	1.930
97447	8613650	29507638	.98509	.7434	.976	1.022	1.002	0.2	5.300	5.310
97650	541544	1840743	.68951	.1889	.900	.942	.924	-7.5	4.920	4.550
97651	399745	1376373	.54612	.1583	.885	.927	.909	-9.1	5.080	4.620
97652	65645	243123	.04105	.0732	.882	.924	.906	-9.4	5.200	4.710

U

X-TILDE: .947 X-TILDE (MONOLINE): .955 PI-TILDE: .0033008  
TAU SQUARED: .03000 SIGMA SQUARED: 328830.50006

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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 \* 1.006 \* .975

CLASS	AYE 2017 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	937342	2977136	1.21407	.2550	1.017	1.065	1.045	4.4	3.210	3.350
97654	101340	421388	.58825	.0877	.917	.960	.942	-5.9	3.540	3.330
97655	2118065	6478898	.67701	.4046	.839	.879	.862	-13.8	6.830	5.890
98002	100646	409594	.00000	.0868	.867	.908	.891	-10.7	1.310	1.170
98482	30614492	109841642	.84884	.9140	.857	.897	.880	-12.0	9.520	8.380
98483	35961775	122536560	.95113	.9222	.951	.996	.977	-2.1	23.400	22.900
98502	431836	1442246	1.25846	.1628	.999	1.046	1.026	2.6	4.550	4.670
98636	2110009	8927433	.94465	.4779	.947	.992	.973	-2.7	4.410	4.290
98677	5162088	18331108	1.02558	.6455	.998	1.045	1.025	2.5	12.200	12.500
98678	3791005	11564475	1.03740	.5390	.997	1.044	1.024	2.2	17.900	18.300
98806	702769	2981732	.93663	.2552	.946	.991	.972	-2.9	3.820	3.710
98820	4029703	14022755	.88328	.5844	.911	.954	.936	-6.3	4.590	4.300
98884	2031570	8325802	1.14442	.4616	1.039	1.088	1.067	6.9	1.890	2.020
99004	45985	165776	.32944	.0667	.908	.951	.933	-6.7	2.240	2.090
99080	1408049	4266880	1.30139	.3181	1.061	1.111	1.090	8.8	10.200	11.100
99315	1142505	4531296	.90450	.3297	.934	.978	.959	-4.3	2.090	2.000
99321	2638158	10366611	.94090	.5131	.945	.990	.971	-2.9	3.130	3.040
99613	1462323	5969073	.75523	.3866	.874	.915	.897	-10.1	2.960	2.660
99650	540039	2562222	1.08959	.2321	.982	1.028	1.008	0.9	1.070	1.080
99746	3101452	12324612	1.19237	.5541	1.084	1.135	1.113	11.4	3.080	3.430

X-TILDE: .947 X-TILDE (MONOLINE): .955 PI-TILDE: .0033008  
 TAU SQUARED: .03000 SIGMA SQUARED: 328830.50006

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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 \* .934 \* .975

CLASS	AYE 2017 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	75402	145032	.12616	.1480	.662	.873	.795	-20.5	3.700	2.940	
91127	1316422	5674599	.64867	.6457	.686	.905	.824	-17.5	2.000	1.650	
91235	591423	2792683	1.12721	.4907	.938	1.237	1.126	12.6	3.010	3.390	
91265	44528	162386	.88151	.1517	.774	1.021	.930	-7.1	4.110	3.820	
91266	223929	892678	.53627	.2840	.693	.914	.832	-16.9	1.180	.980	
91280	12363	72333	.00000	.1320	.656	.865	.788	-21.3	3.760	2.960	
94381	2650977	10524118	.58909	.7658	.628	.828	.754	-21.6	21.300	16.700	L
94404	107540	326232	.85932	.1855	.775	1.022	.931	-6.9	6.970	6.490	
95310	532824	2157717	.51519	.4363	.651	.859	.782	-21.9	2.240	1.750	
96408	1837831	6244658	.53681	.6659	.610	.805	.733	-22.0	17.300	13.500	L
96409	2772099	10247049	.83297	.7611	.814	1.074	.978	-2.0	14.800	14.500	
97221	1077625	5462857	.63770	.6376	.680	.897	.817	-18.5	1.350	1.100	
97222	5282460	23512977	.67755	.8772	.687	.906	.825	-17.5	2.860	2.360	
97223	4138777	16330205	.80798	.8334	.799	1.054	.960	-4.1	4.190	4.020	
98152	397706	2371919	1.71591	.4559	1.193	1.574	1.433	24.0	.500	.620	U
98157	90734	636736	.73505	.2426	.750	.989	.901	-10.0	.500	.450	
98163	3087	33828	.00000	.1232	.662	.873	.795	-21.2	.330	.260	
98164	37342	162902	.00002	.1518	.641	.846	.770	-21.1	.109	.086	L
98659	476	2121	.00000	.1159	.668	.881	.802	-20.0	.600	.480	
98914	469	2546	.00000	.1160	.668	.881	.802	-20.2	.890	.710	
98949	5023	10457	.00000	.1178	.666	.879	.800	-19.2	.520	.420	
98993	1401382	6369401	1.06696	.6700	.964	1.272	1.158	15.8	5.010	5.800	
99163	770	3412	.00000	.1162	.668	.881	.802	-19.4	.720	.580	
99803	12820	69967	2.08247	.1314	.930	1.227	1.117	12.0	10.800	12.100	
99946	3230481	12999156	.82975	.8003	.815	1.075	.979	-2.2	3.610	3.530	
99969	926621	3506329	1.13458	.5405	.960	1.266	1.153	15.2	3.020	3.480	

X-TILDE: .771 X-TILDE (MONOLINE): .758 PI-TILDE: .0068807  
 TAU SQUARED: .03000 SIGMA SQUARED: 113709.95365

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OREGON GL-2019-BGL1  
BASIC LIMIT LOSS COST LEVEL  
GENERAL LIABILITY OTHER THAN PROFESSIONAL  
PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS  
ACTUARIAL ANALYSIS SUPPLEMENT

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

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

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	- 7.6%	- 7.6%
OL&T	+10.2%	+10.2%
Premises/Operations	+ 0.5%	+ 0.5%
Products	-10.9%	-10.9%
Local Products/Completed Operations	- 2.2%	- 2.2%
Products/Completed Operations	- 4.1%	- 4.1%
GL Overall	- 1.0%	- 1.0%

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

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HISTORICAL                      The sources of the data underlying this loss cost review are:  
SOURCE DATA

ISO reporting companies' voluntary experience.  
Fiscal - accident year data through year ended 6/30/2018 for Premises/Operations.  
Calendar - accident year data through year ended 12/31/2017 for Products/Completed Operations.

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

Statistical plan data reported to ISO is first processed through a system of rigorous automated data verification processes so that only data that would be reliable is used for ratemaking. Subsequent to this initial data submission review, additional analyses involving an even more customized data review for this line was performed by staff. During these processes, various data records were excluded from the review, corrected or adjusted. Specifically, various reported exposure amounts have been adjusted prior to their use in the calculations. The ISO staff responsible for this loss cost review also reviewed the data for reasonableness.

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## CALL TO CALL COMPARISON

### Manufacturers and Contractors

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 1.8%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 0.6% increase in ALCCL;
- Implemented loss cost level change (-5.0%);
- A change in exposure trend plus an additional year of trending (+2.3%);
- The effect on ALCCL due to a change in average IPMFs (+3.1%).

The Basic Limit Experience Ratio (BLER) increased in 2017 (+15.2%). This is mainly due to unfavorable experience across several class groups.

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### Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 1.7%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 0.6% decrease in ALCCL;
- A change in exposure trend plus an additional year of trending (+0.3%);
- The effect on ALCCL due to a change in average IPMFs (+ 3.4%).

The BLERs varied within reasonable limits.

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### Products

Multistate ALCCL decreased by an average of 9.8% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in company mix which caused a 6.1% decrease in ALCCL;
- Implemented an average loss cost level change of approximately - 8.0% 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 (+ 3.7%).

The BLERs changed due to the various effects listed above.

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CALL TO CALL  
COMPARISON  
(Cont'd)

Local Products/  
Completed Ops

Multistate ALCCL decreased by an average of 18.4% 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 11.5% decrease in ALCCL;
- Implemented an average loss cost level change of approximately - 10.5% in most states;
- A change in exposure trend plus an additional year of trending of + 2.6%;
- The effect on ALCCL due to a change in average IPMFs (- 0.4%).

The BLERs changed due to the various effects listed above.

LATEST CALL  
YEAR TO YEAR  
COMPARISON

Manufacturers and  
Contractors

The ALCCL increased steadily from 2014 to 2018.

The high BLER for 2014 (1.167) is attributable to unfavorable experience in several class groups. The low BLERs for 2017 (0.759) and 2018 (0.847) are attributable to favorable experience in several class groups.

Owners, Landlords  
and Tenants

The ALCCL increased steadily from 2014 to 2018.

The high BLERs for 2017 (1.397) and 2018 (1.333) are attributable to unfavorable experience in several class groups.

Products

The ALCCL increased steadily from 2013 to 2017.

The BLER decreased from 2013 to 2015, increased in 2016, and decreased thereafter.

Local Products/  
Completed Ops

The ALCCL increased steadily from 2013 to 2017.

The BLER decreased from 2013 to 2017.



LOSS  
DEVELOPMENT  
FACTOR  
COMPARISON

Manufacturers and  
Contractors

The BI and PD indemnity loss development factors for the 2019 review remained stable compared to those in the 2018 review.

The multistate full coverage BI and PD indemnity factors remained stable compared to the 2018 review.

The multistate deductible coverage BI and PD indemnity factors remained stable compared to the 2018 review.

The multistate Fringe indemnity factors have increased compared to the 2018 review.

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Owners, Landlords  
and Tenants

The BI and PD indemnity loss development factors for the 2019 review remained stable compared to those in the 2018 review.

The multistate full coverage BI and PD Indemnity factors remained stable compared to those in the 2018 review.

The multistate deductible coverage BI and PD Indemnity factors remained stable compared to the 2018 review.

The multistate Fringe indemnity factors have increased compared to the 2018 review.

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Products

The multistate full coverage BI and PD indemnity development factors for the 2019 review remained stable compared to those in the 2018 review.

The multistate deductible coverage BI indemnity development factors have increased compared to the 2018 review. The PD indemnity development factors have decreased compared to the 2018 review. The fluctuations in these factors are due to the low volume of the deductible coverage data.

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LOSS  
DEVELOPMENT  
FACTOR  
COMPARISON  
(Cont'd)

Local Products/  
Completed Ops

For Local Products, the multistate full coverage BI and PD indemnity development factors in this review remained stable compared to those in the 2018 review. The multistate deductible coverage BI indemnity development factors remained stable compared to the 2018 review. The multistate deductible coverage PD indemnity development factors have decreased compared to the 2018 review. The fluctuations in these factors are due to the low volume of the deductible coverage data.

For Completed Operations, the full coverage BI indemnity loss development factors for the 2019 review remained stable compared to those in the 2018 review, except for the 15 months-to-ultimate factor which increased by 20.1%. This can largely be attributed to a higher 15-to-27 months state link ratio. The PD indemnity loss development factors for the 2019 review remained stable compared to those in the 2018 review.

The Completed Operations multistate full coverage BI indemnity factors have increased compared to those in the 2018 review for the latest three years. The multistate full coverage PD indemnity factors have increased compared to those in the 2018 review. The multistate deductible coverage BI indemnity factors have decreased compared to those in the 2018 review for the latest three years. The multistate deductible coverage PD indemnity factors have decreased compared to those in the 2018 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.

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ALAE Development

To develop ALAE losses for all sublines and loss types (BI, PD and Fringe), we are using an incremental method that is based on a percentage of the total limit indemnity losses developed to ultimate. Since this is a procedure that produces incremental factors instead of multiplicative factors, there is no appropriate factor comparison available to last year's review.

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

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SEVERITY TREND COMPARISON	Manufacturers and Contractors	<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%, up from +4.0% in the previous Fiscal review.</p> <p>The Fringe severity trend selection is +0.5%, unchanged from +0.5% in the previous Fiscal review.</p>
	Owners, Landlords and Tenants	<p>The BI severity trend selection is +3.5%, down from +4.0% 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 selection is +1.5%, down from +2.5% in the previous Fiscal review.</p>
	Products	<p>The BI severity trend selection is +2.5%, unchanged from +2.5% in the previous review.</p> <p>The PD severity trend selection is +6.5%, unchanged from +6.5% in the previous review.</p>
	Local Products/ Completed Ops	<p>The BI severity trend selection is +2.5%, unchanged from +2.5% in the previous review.</p> <p>The PD selected severity trend is +4.5%, up from +4.0% in the previous review.</p>

FREQUENCY  
TREND  
COMPARISON

We have selected a frequency trend of -0.5% for Manufacturers & Contractors, -1.0% 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 higher than the prior point.

Products

The latest frequency point is lower than the prior point.

Local Products/  
Completed Ops

The latest frequency point is lower than the prior point.

EXPOSURE  
TREND  
COMPARISON

Manufacturers and  
Contractors

The exposure trend factors for Manufacturers are lower than those used in the previous review all three years. The exposure trend factor for Contractors is higher than that used in the previous review for the earliest year, same for the second latest year and lower for the latest year.

Owners, Landlords  
and Tenants

The exposure trend factors for Class Groups 1-13 are lower than those used in the previous review for all three years. For Class Group 16, the exposure trend factors are higher than that used in the previous review for the earliest year and lower for the two latest years.

Products

The exposure trend factors are higher than those used in the previous review all three years.

Local Products/  
Completed Ops

The exposure trend factors for Local Products are higher than those used in the previous review for all three years. The exposure trend factor for Completed Operations is higher than that used in the previous review for the earliest year, lower than the second latest year and the same for the latest year.

WEIGHTED AVERAGE IMPLICIT PACKAGE MODIFICATION FACTOR (IPMF) COMPARISON	Manufacturers and Contractors	The current weighted average IPMF is 0.903. In the 2018 review the weighted average IPMF was 0.867.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.867. In the 2018 review the weighted average IPMF was 0.840.
	Products	The current multistate weighted average IPMF is 0.856. In the 2018 review the multistate weighted average IPMF was 0.815.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.977. In the Group 3, 2018 review the multistate weighted average IPMF was 0.980.
The IPMF's are applied to the multiline ALCCCL.		
CLASS GROUP/ TERRITORY/ STATE RELATIVE CHANGE	The class group relative changes for Manufacturers and Contractors vary within reasonable limits.	
	The class group and territory relative changes for Owners, Landlords and Tenants vary within reasonable limits.	
	For Local Products, Oregon's state balanced relative change (0.979) ranks 20th lowest overall. In last year's review, Oregon's state balanced relative change (0.927) ranked 3rd lowest overall.	
CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average increase of 0.6% in the total statewide ALCCCL.	
	For Owners, Landlords and Tenants, the change in company mix results in an average decrease of 0.6% in the total statewide ALCCCL.	
	For Products, the change in company mix results in a 6.1% decrease in the total multistate ALCCCL.	
	For Local Products/Completed Operations, the change in company mix results in a 11.5% decrease in the total multistate ALCCCL.	

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.109	.184	10205	.188	—	11210	2.21	—	13207	(a)	(a)
10015	5.29	—	10220	3.54	—	11211	11.50	—	13208	(a)	(a)
10020	(a)	(a)	10255	.229	.131	11212	1.74	—	13314	.09	.017
10026	.49	.02	10256	.84	.147	11213	1.42	—	13351	.219	.038
10036	.62	(a)	10257	.158	.167	11214	3.49	—	13352	.223	.05
10040	.083	.28	10309	.121	.018	11222	.059	—	13410	1.32	2.44
10042	.28	.46	10315	.29	(a)	11234	.211	.061	13411	(a)	(a)
10052	3.66	—	10331	7.17	—	11248	.044	.019	13412	.44	1.01
10054	3.25	—	10332	12.40	—	11258	.55	.27	13453	.51	(a)
10060	.133	.081	10352	.26	.07	11259	.59	.183	13454	.60	(a)
10065	.20	.032	10367	2.95	—	11273	10.50	—	13455	.61	(a)
10066	.204	.064	10368	4.32	—	11274	10.10	—	13461	(a)	(a)
10070	.063	.141	10375	(a)	—	11288	.67	.085	13506	.69	.079
10071	.239	.092	10378	7.26	—	12014	.094	.038	13507	.83	.191
10072	3.34	—	10379	3.37	—	12356	.89	.029	13590	.45	.74
10073	.96	.55	10380	5.76	—	12361	.07	.082	13621	.115	.36
10075	7.14	.179	10381	4.99	—	12362	.069	(a)	13670	.039	.013
10100	.45	.049	11007	1.26	—	12373	.026	.025	13673	.41	.013
10101	.18	.166	11020	.227	.187	12374	.46	.069	13715	.069	.154
10105	1.95	—	11039	.84	.073	12375	.227	.047	13716	.34	.122
10107	2.94	.229	11052	3.55	—	12391	.052	.091	13720	.233	.058
10110	18.00	—	11101	(a)	(a)	12393	.30	(a)	13759	.133	.152
10111	.137	.083	11120	(a)	—	12467	.125	(a)	13930	.147	.211
10113	.27	—	11126	.047	.02	12509	.057	.038	14068	.029	.015
10115	.54	.075	11127	.35	.009	12510	.73	.03	14101	.34	.04
10117	5.25	—	11128	.47	.079	12583	.32	(a)	14279	.44	.065
10119	(a)	—	11138	1.79	—	12651	.94	.49	14401	.55	.114
10120	11.80	—	11155	.161	—	12683	.43	(a)	14405	.74	—
10130	2.66	—	11160	(a)	(a)	12707	.45	.65	14527	.28	.181
10132	2.29	—	11167	.82	—	12797	.095	.169	14655	.067	—
10133	3.42	—	11168	4.25	—	12805	.243	.118	14731	3.53	—
10135	(a)	—	11201	11.00	—	12841	.40	—	14732	.26	—
10140	.032	.021	11202	3.25	—	12927	.07	—	14733	.47	—
10141	.064	.024	11203	.81	.54	13049	.036	.054	14734	.20	—
10145	.31	.01	11204	.235	1.67	13111	.51	.097	14855	.202	.162
10146	.202	.015	11205	(a)	—	13112	.059	.069	14913	.25	.163
10150	.37	(a)	11206	.51	—	13201	.83	.167	15060	(a)	(a)
10151	9.37	—	11207	6.44	—	13204	.94	1.40	15061	(a)	(a)
10160	1.67	—	11208	1.10	—	13205	.36	.43	15062	.181	(a)
10204	.168	—	11209	5.19	—	13206	(a)	(a)	15063	.211	(a)

## DIVISION SIX

## PREM/OPS TERR. 501

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.099	—	16750	.078	.031	18707	.01	.003	40117	(a)	—
15119	(a)	—	16751	.078	—	18708	.086	.015	40140	(a)	—
15120	(a)	—	16819	1.10	(a)	18833	.123	(a)	41001	.197	—
15123	3.41	—	16820	.85	(a)	18834	.223	.124	41210	(a)	—
15124	1.19	—	16881	1.23	(a)	18911	.70	.018	41421	.36	—
15188	.32	(a)	16890	.128	(a)	18912	1.33	.034	41422	.19	—
15223	.046	.033	16891	.14	(a)	18920	.34	.019	41510	35.40	—
15224	.246	.07	16892	.25	(a)	18991	(a)	—	41603	16.90	—
15300	(a)	—	16900	2.29	.117	19007	1.33	—	41604	9.28	—
15314	.161	(a)	16901	1.47	.144	19051	2.95	—	41620	.92	—
15404	.082	(a)	16902	1.25	.066	19061	(a)	—	41650	23.80	—
15405	.121	(a)	16905	2.41	.117	19795	.231	(a)	41664	25.00	—
15406	.31	.044	16906	1.54	.144	19796	.27	—	41665	2.92	—
15488	.77	(a)	16910	1.37	.067	40005	(a)	—	41666	(a)	—
15538	.29	.017	16911	1.25	.067	40006	(a)	—	41667	68.20	—
15600	.72	.095	16915	1.41	.057	40010	(a)	—	41668	64.00	—
15607	.129	—	16916	1.18	.07	40015	(a)	—	41669	.45	—
15608	.161	.011	16920	3.13	.115	40020	(a)	—	41670	.75	—
15656	4.74	—	16921	2.86	.052	40026	(a)	—	41672	(a)	—
15699	.32	—	16930	1.80	.173	40031	(a)	—	41673	(a)	—
15733	.202	.038	16931	1.94	.072	40032	(a)	—	41675	(a)	—
15839	.215	.028	16940	3.90	.052	40040	(a)	—	41677	.19	—
15991	.176	.078	16941	1.56	.114	40041	(a)	—	41678	68.50	—
15993	.149	.053	18078	.125	.146	40042	(a)	—	41679	(a)	(a)
16005	.036	.034	18109	.29	.035	40045	165.00	—	41680	12.40	—
16009	.247	.079	18110	.235	.037	40046	32.60	—	41696	.60	—
16402	1.06	—	18200	(a)	—	40047	11.60	—	41697	.42	—
16403	.67	.14	18205	.192	.31	40059	4.16	—	41700	(a)	—
16404	.85	—	18206	.38	.101	40061	2.21	—	41715	7.85	—
16471	.183	—	18335	.27	.017	40063	73.80	—	41716	5.00	—
16501	.077	(a)	18435	.48	.057	40064	21.70	—	43007	(a)	—
16527	.118	.36	18436	.39	.193	40066	(a)	—	43117	(a)	—
16588	.115	(a)	18437	.39	(a)	40067	(a)	—	43151	21.40	—
16604	.192	.147	18438	.75	(a)	40069	(a)	—	43152	20.50	—
16670	2.98	—	18501	.44	.015	40072	(a)	—	43200	81.40	—
16676	.223	.014	18506	.40	.006	40075	43.00	—	43215	(a)	—
16694	.38	(a)	18507	.141	.009	40101	10.40	—	43421	22.30	—
16705	.22	.152	18570	1.47	—	40102	9.23	—	43422	117.00	—
16722	(a)	—	18575	(a)	(a)	40111	5.85	—	43424	(a)	—
16723	(a)	—	18616	.31	.54	40115	(a)	—	43470	3.50	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43517	(a)	—	44277	70.80	—	46004	22.60	—	47471	3.09	—
43518	10.70	—	44280	.19	—	46005	18.10	—	47473	4.05	—
43550	79.60	—	44311	5.52	—	46112	.041	—	47474	4.52	—
43551	44.10	—	44315	3.71	—	46202	3.17	—	47475	3.57	—
43626	8.55	—	44427	37.80	—	46362	239.00	—	47476	3.57	—
43628	111.00	—	44428	38.00	—	46426	34.90	—	47477	4.76	—
43629	94.20	—	44429	.57	—	46427	46.60	—	47478	5.00	—
43754	(a)	—	44430	.40	—	46510	(a)	—	47600	(a)	—
43760	3.14	—	44431	1.26	—	46590	(a)	—	47610	(a)	—
43822	2.79	—	44432	.40	—	46603	2.93	—	48039	57.70	—
43840	.034	—	44433	12.80	—	46604	3.38	—	48177	(a)	—
43860	2.19	—	44434	24.40	—	46606	9.01	—	48178	(a)	—
43889	.78	—	44435	25.30	—	46607	12.40	—	48206	22.60	—
43945	(a)	—	44436	29.50	—	46622	8.14	—	48252	(a)	—
43946	(a)	—	44437	24.50	—	46671	(a)	—	48441	.095	—
43990	(a)	(a)	44438	19.30	—	46700	164.00	—	48557	9.50	—
43991	(a)	—	44439	37.70	—	46773	(a)	—	48558	8.27	—
44009	4.15	—	44440	31.20	—	46822	(a)	—	48600	69.80	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	9.15	—	44501	(a)	—	46882	(a)	—	48636	1.05	(a)
44070	2.71	—	45190	2.50	—	46911	16.90	—	48637	7.26	—
44071	3.01	—	45191	1.77	—	46912	31.00	—	48638	3.60	—
44072	2.08	—	45192	2.07	—	46913	(a)	—	48727	(a)	—
44100	4.77	—	45193	1.22	—	46914	(a)	—	48808	1.21	—
44101	4.97	—	45210	1.55	—	46915	(a)	—	48924	(a)	—
44102	3.88	—	45224	(a)	—	46916	(a)	—	48925	174.00	—
44103	3.43	—	45225	(a)	—	47050	.76	—	49005	.129	—
44104	1.44	—	45334	46.90	—	47051	(a)	—	49111	1.86	—
44105	(a)	—	45380	.236	(a)	47052	(a)	—	49181	18.90	—
44106	(a)	—	45450	13.80	—	47103	(a)	—	49183	23.00	—
44108	1.69	—	45523	(a)	—	47146	(a)	—	49184	48.50	—
44109	4.27	—	45524	(a)	—	47147	(a)	—	49185	44.10	—
44110	4.37	—	45539	(a)	—	47221	180.00	—	49239	.176	.65
44111	2.68	—	45678	.206	—	47253	(a)	—	49292	1.38	—
44112	1.59	—	45771	.36	.176	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.117	.049	47318	6.96	—	49333	10.10	—
44193	(a)	—	45900	.082	.059	47367	.19	—	49451	(a)	—
44194	(a)	—	45901	.07	.047	47420	1.52	—	49452	(a)	—
44222	(a)	—	45937	.184	—	47468	(a)	—	49617	.28	.215
44276	109.00	—	45993	(a)	(a)	47469	3.57	—	49618	.236	.067



## DIVISION SIX

## PREM/OPS TERR. 501

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.44	.111	51315	.115	.106	51809	.238	.158	52341	.03	(a)
49763	2.88	—	51330	.064	.43	51833	.118	.072	52342	.087	(a)
49800	(a)	—	51333	.021	.31	51850	.156	(a)	52343	.053	(a)
49801	158.00	—	51340	.023	(a)	51851	.105	(a)	52401	.165	(a)
49802	14.00	—	51350	.183	.142	51852	.247	(a)	52402	.013	(a)
49803	24.80	—	51351	.164	.045	51853	.099	(a)	52432	.064	(a)
49840	.78	—	51352	.224	.114	51854	.223	(a)	52433	.059	1.20
49870	72.60	—	51355	.153	.096	51855	.234	(a)	52435	.074	(a)
49890	(a)	—	51356	.165	.69	51856	.128	(a)	52438	.053	(a)
49891	(a)	—	51357	.163	.53	51857	.22	(a)	52440	.083	(a)
49902	(a)	—	51358	.39	.149	51869	.064	.14	52467	.077	(a)
49903	(a)	—	51359	.34	.84	51877	.36	.22	52469	.027	.109
50010	.139	.58	51370	.28	5.00	51889	.059	.014	52505	.134	.203
50015	.09	(a)	51380	.028	.05	51896	.028	.02	52547	.142	.088
50017	.069	(a)	51400	.151	(a)	51900	.088	.093	52581	.66	3.68
50045	.157	(a)	51401	.222	(a)	51909	.14	.057	52619	.046	(a)
50047	.018	(a)	51500	.053	.109	51919	.059	(a)	52660	.068	—
51001	.036	.46	51516	.057	—	51926	.061	.04	52744	.45	.094
51005	.007	(a)	51517	.065	—	51927	.033	.115	52767	.13	(a)
51116	.091	.57	51550	.065	.36	51934	.066	.142	52876	(a)	(a)
51201	.024	(a)	51551	.023	.92	51941	.06	.039	52911	.037	.52
51205	.072	.083	51552	.039	.159	51942	.096	—	52967	.014	.064
51206	.011	.45	51553	.07	(a)	51956	.26	.246	53001	.135	.33
51210	.063	(a)	51554	.007	(a)	51957	.229	.40	53077	.065	.197
51211	(a)	(a)	51575	.049	.02	51958	.204	.39	53095	.044	(a)
51220	.217	2.58	51576	.125	.075	51959	.209	(a)	53096	.062	(a)
51221	.12	1.94	51600	.085	.198	51960	.028	.36	53121	.175	.46
51222	.146	3.12	51613	.056	.138	51970	.12	.25	53147	.022	(a)
51224	.154	1.33	51625	.033	(a)	51982	.035	.085	53229	.123	(a)
51230	.026	.79	51666	.078	.103	51985	.053	—	53271	.033	(a)
51240	.28	.182	51702	.099	(a)	51986	.139	.107	53333	.121	.213
51241	.85	.30	51703	.041	(a)	51999	.058	.46	53374	.119	.38
51250	.167	(a)	51734	.077	.31	52002	.051	.118	53375	.063	.25
51251	.025	(a)	51741	.148	.25	52075	.122	.25	53376	.101	.187
51252	.086	.101	51752	.125	.159	52076	.147	(a)	53377	.104	.211
51253	.073	(a)	51767	.023	.009	52109	.013	(a)	53403	.066	(a)
51254	.023	.045	51777	.079	.076	52134	.172	.70	53425	.114	(a)
51255	.42	(a)	51790	.131	(a)	52137	.048	(a)	53565	.076	.124
51300	.109	.173	51796	.054	(a)	52150	.32	(a)	53631	.02	.022
51305	.109	1.03	51808	.192	.73	52315	.103	.24	53632	.023	.035

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
53731	.021	(a)	56170	.112	(a)	57401	.043	.098	58503	.051	.061
53732	.147	.46	56171	.055	(a)	57403	.161	.036	58532	.066	(a)
53733	.095	.26	56202	.049	.10	57410	.021	.13	58559	.013	(a)
53734	.34	—	56390	.086	.63	57411	.028	(a)	58560	.033	(a)
53803	.27	(a)	56391	.074	.32	57572	.012	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.118	.125	57600	.036	.033	58575	.042	.123
53902	(a)	(a)	56488	.131	.034	57611	.06	.064	58627	.134	.016
53903	(a)	(a)	56567	.116	(a)	57625	.32	(a)	58663	.26	1.59
53904	(a)	(a)	56650	.36	(a)	57651	.039	.043	58682	.12	(a)
53905	(a)	(a)	56651	.194	(a)	57690	.078	.51	58713	.05	(a)
53907	.064	.111	56652	.138	(a)	57716	.037	.087	58737	.087	.74
53951	(a)	(a)	56653	.133	(a)	57725	.081	.091	58756	.048	(a)
53952	(a)	(a)	56654	.068	(a)	57726	.063	.019	58757	.29	(a)
53953	(a)	(a)	56690	.068	.36	57798	.02	(a)	58759	.036	(a)
54012	.034	—	56699	.055	.051	57800	.073	(a)	58802	.041	.45
54077	.088	.37	56758	.046	.155	57808	.031	(a)	58813	.118	(a)
54444	(a)	(a)	56759	.047	.093	57809	.032	(a)	58822	.113	(a)
55010	.27	1.10	56760	.068	.106	57810	.031	.109	58837	.238	.165
55011	.072	1.26	56805	.09	(a)	57871	.037	.116	58840	.071	.111
55012	.086	1.17	56806	.063	(a)	57913	.094	.31	58873	.113	.03
55013	.103	.99	56807	.063	(a)	57997	.076	—	58903	.026	(a)
55014	(a)	(a)	56808	.082	(a)	57998	.042	.059	58904	.02	.131
55214	.069	.089	56900	.079	(a)	57999	.051	.071	58922	.189	.187
55371	.30	.13	56910	.039	(a)	58009	.051	(a)	59005	.049	.096
55410	(a)	(a)	56911	.10	(a)	58010	.097	(a)	59057	.36	(a)
55426	.125	(a)	56912	.081	.084	58020	.173	(a)	59058	.235	(a)
55597	.017	1.78	56913	.066	(a)	58056	.116	(a)	59188	.34	.056
55647	.035	.056	56915	.39	(a)	58057	.073	(a)	59189	.47	.30
55648	.016	(a)	56916	.35	.187	58058	.066	(a)	59223	.117	.077
55649	.019	(a)	56917	.102	(a)	58095	.092	1.83	59257	.013	.015
55715	.138	.234	56918	.049	(a)	58096	.123	1.04	59306	.083	(a)
55716	.199	.52	56919	.125	(a)	58301	.039	.082	59378	.076	.152
55717	.166	(a)	56920	.114	(a)	58302	.033	.055	59481	.223	.088
55718	.161	(a)	56980	.068	(a)	58397	.192	.83	59482	.36	(a)
55802	.079	.009	57001	.023	.022	58408	.045	—	59537	.082	.168
55918	.079	3.19	57002	.015	.11	58409	.057	—	59601	.084	2.31
55919	.011	3.64	57090	.184	.63	58456	.03	—	59647	.16	.176
56040	.007	.04	57146	.116	.67	58457	.044	—	59660	.155	1.14
56041	.049	(a)	57202	.061	(a)	58458	.057	—	59661	.076	(a)
56042	.062	(a)	57257	.075	.036	58459	.069	—	59693	.013	—

## DIVISION SIX

## PREM/OPS TERR. 501

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.38	.061	63220	(a)	—	91190	1.64	(a)
59701	.006	.244	59970	.07	.182	64074	17.60	—	91200	.61	—
59713	.138	.33	59973	.106	(a)	64075	12.40	—	91210	(a)	—
59722	.072	.032	59975	.098	.243	64500	(a)	—	91235	2.12	3.39
59723	.027	.038	59977	.056	(a)	65007	37.20	—	91250	3.20	(a)
59724	.041	.022	59984	.029	.055	66122	16.00	—	91265	13.00	3.82
59725	.052	.104	59985	.113	(a)	66123	8.79	—	91266	6.86	.98
59726	.037	.024	59986	.086	(a)	66309	25.70	—	91280	(a)	2.96
59738	.12	.066	59988	.025	.06	66561	59.50	—	91302	7.41	(a)
59750	.061	.24	59989	.015	.045	67017	55.20	—	91315	2.25	—
59751	.022	(a)	60010	19.60	—	67508	28.60	—	91324	5.01	(a)
59773	.02	.028	60011	22.50	—	67509	20.90	—	91325	(a)	(a)
59774	.017	.152	60012	37.00	—	67510	11.70	—	91340	3.27	12.10
59775	.021	.189	60013	31.70	—	67511	12.60	—	91341	3.49	5.39
59781	.053	.076	60015	23.70	—	67512	54.00	—	91342	3.00	4.59
59782	.079	.49	60016	26.60	—	67513	34.30	—	91343	.77	1.54
59783	.077	(a)	60035	41.90	—	67634	47.80	—	91405	3.81	—
59784	.059	(a)	61000	19.40	—	67635	33.80	—	91436	3.95	2.66
59790	.092	(a)	61212	22.50	—	68001	103.00	—	91481	14.40	—
59798	.202	.46	61216	25.00	—	68439	133.00	—	91507	2.12	4.29
59806	.144	(a)	61217	22.80	—	68500	4.30	—	91523	32.70	—
59867	.104	(a)	61218	15.50	—	68604	2.48	—	91547	.186	—
59886	.014	.112	61223	105.00	—	68606	9.69	—	91551	1.15	.72
59889	.067	.153	61224	37.20	—	68607	7.66	—	91555	1.28	1.16
59892	.077	(a)	61225	51.60	—	68702	6.31	—	91560	3.79	5.49
59904	.052	.066	61226	82.20	—	68703	4.73	—	91562	2.57	—
59905	.065	.13	61227	75.30	—	68706	20.30	—	91577	9.20	3.39
59914	.38	.62	62000	17.10	—	68707	20.10	—	91580	5.00	—
59915	.174	.78	62001	12.80	—	90089	3.34	—	91581	(a)	(a)
59917	.032	.165	62002	5.86	—	91111	2.74	7.25	91582	(a)	(a)
59923	.009	.005	62003	18.50	—	91125	2.01	2.94	91583	(a)	(a)
59925	.35	1.09	63010	35.20	—	91127	1.84	1.65	91584	(a)	(a)
59926	.30	.42	63011	44.00	—	91130	1.06	—	91585	(a)	(a)
59927	.202	1.56	63012	62.60	—	91135	.30	(a)	91586	(a)	(a)
59931	.172	.59	63013	59.30	—	91150	1.74	6.38	91587	(a)	(a)
59932	.185	.93	63215	61.10	—	91155	3.86	44.80	91588	(a)	(a)
59941	.058	(a)	63216	42.40	—	91160	.81	—	91589	(a)	(a)
59947	.052	.33	63217	33.10	—	91175	.70	—	91590	2.67	—
59955	.022	.147	63218	11.20	—	91177	3.04	—	91591	(a)	(a)
59963	.164	.45	63219	(a)	—	91179	3.05	—	91606	10.40	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91618	(a)	(a)	95357	1.06	—	97653	2.42	3.35	98426	1.96	(a)
91629	2.12	(a)	95358	(a)	—	97654	4.22	3.33	98427	1.91	—
91636	3.64	—	95410	3.43	3.52	97655	3.98	5.89	98428	(a)	—
91641	.98	(a)	95455	4.39	1.78	98002	.72	1.17	98429	.95	—
91666	.72	(a)	95487	1.84	(a)	98003	.76	(a)	98430	(a)	—
91722	3.18	(a)	95505	2.05	2.44	98090	.102	—	98449	2.74	29.50
91746	2.57	4.80	95620	1.49	(a)	98091	.11	—	98482	2.94	8.38
91805	.161	—	95625	3.54	3.99	98092	.34	—	98483	4.34	22.90
92053	.40	.59	95630	(a)	(a)	98111	.54	—	98502	4.16	4.67
92054	.137	.26	95647	2.56	5.63	98150	(a)	—	98555	1.94	—
92055	3.81	.28	95648	(a)	(a)	98151	(a)	—	98597	.43	—
92101	5.96	3.29	96053	1.94	5.49	98152	2.42	.62	98598	.149	—
92102	3.59	3.57	96317	1.10	—	98153	2.73	(a)	98601	4.98	(a)
92215	3.04	3.97	96408	2.97	13.50	98154	3.22	(a)	98622	(a)	—
92338	1.38	2.18	96409	2.74	14.50	98155	4.51	(a)	98623	(a)	—
92445	2.08	—	96410	2.41	10.80	98156	(a)	(a)	98624	.78	—
92446	4.53	2.13	96611	.75	1.93	98157	2.88	.45	98636	2.61	4.29
92447	3.96	1.86	96702	3.41	(a)	98158	(a)	(a)	98640	85.80	—
92451	2.12	2.30	96703	(a)	—	98159	1.93	(a)	98658	4.66	—
92453	2.51	—	96816	3.20	—	98160	4.09	(a)	98659	.83	.48
92478	1.24	2.10	96872	3.90	(a)	98161	4.58	(a)	98677	13.50	12.50
92593	27.90	—	96930	(a)	—	98162	(a)	(a)	98678	12.00	18.30
92663	.49	—	97002	(a)	(a)	98163	4.81	.26	98698	(a)	(a)
94007	8.50	6.75	97003	(a)	(a)	98164	1.79	.086	98699	3.91	(a)
94099	1.94	—	97047	2.28	—	98257	1.14	—	98705	6.59	—
94225	6.81	—	97050	1.77	—	98303	9.05	9.76	98710	2.72	—
94276	3.55	5.57	97111	4.10	—	98304	4.23	4.16	98751	3.52	—
94304	2.71	(a)	97220	.28	(a)	98305	1.83	1.91	98805	3.55	1.42
94381	5.09	16.70	97221	(a)	1.10	98306	4.71	1.08	98806	2.43	3.71
94404	3.36	6.49	97222	1.41	2.36	98307	1.34	.63	98810	2.58	—
94444	(a)	(a)	97223	2.12	4.02	98308	.88	.97	98813	2.49	2.73
94569	2.27	4.06	97308	.53	—	98309	4.55	3.02	98820	6.78	4.30
94590	9.79	—	97447	1.74	5.31	98344	.51	.70	98871	(a)	(a)
94617	3.09	—	97501	(a)	—	98405	.84	—	98884	1.76	2.02
94638	(a)	—	97502	(a)	—	98413	11.10	(a)	98914	.57	.71
95124	1.14	.67	97503	(a)	—	98414	10.20	(a)	98949	.80	.42
95233	2.45	—	97504	(a)	—	98415	1.34	(a)	98967	2.77	10.70
95305	2.66	—	97650	2.83	4.55	98423	3.19	(a)	98993	4.99	5.80
95306	4.17	—	97651	5.15	4.62	98424	5.41	(a)	99003	1.32	1.84
95310	6.34	1.75	97652	4.47	4.71	98425	2.22	(a)	99004	2.07	2.09

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	.93	11.10	99826	.51	.57						
99081	(a)	—	99827	.34	.64						
99082	(a)	—	99851	1.37	—						
99083	(a)	—	99917	2.21	—						
99084	(a)	(a)	99938	2.48	—						
99085	(a)	(a)	99943	7.20	—						
99111	1.35	—	99946	5.36	3.53						
99160	(a)	—	99948	6.01	33.30						
99163	3.23	.58	99952	3.78	24.30						
99165	.71	(a)	99953	4.08	12.80						
99220	1.25	(a)	99954	2.97	13.90						
99221	(a)	(a)	99955	3.72	10.50						
99222	2.35	(a)	99963	.53	—						
99223	.199	(a)	99969	2.27	3.48						
99303	10.80	—	99975	3.30	—						
99310	2.71	(a)	99986	(a)	—						
99315	7.96	2.00	99987	(a)	—						
99321	7.72	3.04	99988	2.01	—						
99445	(a)	(a)									
99471	.57	—									
99505	4.22	—									
99506	5.19	—									
99507	4.53	—									
99570	2.43	(a)									
99571	.59	(a)									
99572	1.15	(a)									
99573	1.10	(a)									
99600	.90	—									
99613	6.84	2.66									
99614	2.01	—									
99620	.37	—									
99650	1.15	1.08									
99709	2.84	(a)									
99718	1.09	—									
99746	1.85	3.43									
99760	.211	—									
99777	4.47	—									
99793	2.35	—									
99798	(a)	(a)									
99803	(a)	12.10									

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.123	.184	10205	.27	—	11210	2.15	—	13207	(a)	(a)
10015	4.38	—	10220	5.03	—	11211	11.20	—	13208	(a)	(a)
10020	(a)	(a)	10255	.215	.131	11212	1.69	—	13314	.128	.017
10026	.69	.02	10256	.79	.147	11213	1.38	—	13351	.31	.038
10036	.58	(a)	10257	.148	.167	11214	3.40	—	13352	.32	.05
10040	.094	.28	10309	.172	.018	11222	.057	—	13410	1.24	2.44
10042	.39	.46	10315	.41	(a)	11234	.30	.061	13411	(a)	(a)
10052	3.03	—	10331	5.94	—	11248	.041	.019	13412	.42	1.01
10054	2.69	—	10332	10.20	—	11258	.61	.27	13453	.48	(a)
10060	.189	.081	10352	.30	.07	11259	.66	.183	13454	.56	(a)
10065	.28	.032	10367	2.88	—	11273	14.90	—	13455	.57	(a)
10066	.29	.064	10368	4.21	—	11274	14.30	—	13461	(a)	(a)
10070	.07	.141	10375	(a)	—	11288	.75	.085	13506	.98	.079
10071	.34	.092	10378	6.01	—	12014	.088	.038	13507	1.18	.191
10072	3.26	—	10379	2.79	—	12356	1.26	.029	13590	.43	.74
10073	.90	.55	10380	4.77	—	12361	.068	.082	13621	.107	.36
10075	6.70	.179	10381	4.13	—	12362	.077	(a)	13670	.038	.013
10100	.51	.049	11007	1.23	—	12373	.029	.025	13673	.46	.013
10101	.26	.166	11020	.32	.187	12374	.66	.069	13715	.077	.154
10105	2.77	—	11039	.78	.073	12375	.32	.047	13716	.48	.122
10107	2.76	.229	11052	2.17	—	12391	.058	.091	13720	.26	.058
10110	14.90	—	11101	(a)	(a)	12393	.43	(a)	13759	.189	.152
10111	.154	.083	11120	(a)	—	12467	.178	(a)	13930	.165	.211
10113	.38	—	11126	.067	.02	12509	.054	.038	14068	.042	.015
10115	.76	.075	11127	.39	.009	12510	.68	.03	14101	.49	.04
10117	4.35	—	11128	.53	.079	12583	.30	(a)	14279	.41	.065
10119	(a)	—	11138	1.49	—	12651	.88	.49	14401	.62	.114
10120	9.76	—	11155	.228	—	12683	.40	(a)	14405	.72	—
10130	3.77	—	11160	(a)	(a)	12707	.51	.65	14527	.32	.181
10132	3.25	—	11167	.50	—	12797	.107	.169	14655	.095	—
10133	2.08	—	11168	2.59	—	12805	.34	.118	14731	2.15	—
10135	(a)	—	11201	10.70	—	12841	.57	—	14732	.159	—
10140	.031	.021	11202	3.17	—	12927	.10	—	14733	.66	—
10141	.062	.024	11203	.91	.54	13049	.035	.054	14734	.28	—
10145	.30	.01	11204	.33	1.67	13111	.57	.097	14855	.189	.162
10146	.227	.015	11205	(a)	—	13112	.057	.069	14913	.36	.163
10150	.53	(a)	11206	.50	—	13201	.78	.167	15060	(a)	(a)
10151	13.30	—	11207	6.28	—	13204	.88	1.40	15061	(a)	(a)
10160	2.37	—	11208	1.08	—	13205	.34	.43	15062	.17	(a)
10204	.239	—	11209	5.06	—	13206	(a)	(a)	15063	.198	(a)

## DIVISION SIX

PREM/OPS TERR. 502

## GENERAL LIABILITY

PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 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	.097	—	16750	.111	.031	18707	.012	.003	40117	(a)	—
15119	(a)	—	16751	.111	—	18708	.122	.015	40140	(a)	—
15120	(a)	—	16819	1.03	(a)	18833	.139	(a)	41001	.163	—
15123	2.08	—	16820	.80	(a)	18834	.32	.124	41210	(a)	—
15124	.73	—	16881	1.74	(a)	18911	1.00	.018	41421	.26	—
15188	.30	(a)	16890	.12	(a)	18912	1.88	.034	41422	.139	—
15223	.045	.033	16891	.131	(a)	18920	.49	.019	41510	50.30	—
15224	.28	.07	16892	.239	(a)	18991	(a)	—	41603	12.30	—
15300	(a)	—	16900	1.87	.117	19007	.81	—	41604	6.78	—
15314	.228	(a)	16901	1.20	.144	19051	1.80	—	41620	.90	—
15404	.077	(a)	16902	1.02	.066	19061	(a)	—	41650	17.40	—
15405	.114	(a)	16905	1.96	.117	19795	.33	(a)	41664	20.70	—
15406	.29	.044	16906	1.26	.144	19796	.38	—	41665	2.42	—
15488	.72	(a)	16910	1.12	.067	40005	(a)	—	41666	(a)	—
15538	.41	.017	16911	1.02	.067	40006	(a)	—	41667	56.50	—
15600	1.02	.095	16915	1.15	.057	40010	(a)	—	41668	53.00	—
15607	.126	—	16916	.96	.07	40015	(a)	—	41669	.37	—
15608	.228	.011	16920	2.55	.115	40020	(a)	—	41670	.62	—
15656	6.73	—	16921	2.33	.052	40026	(a)	—	41672	(a)	—
15699	.31	—	16930	1.47	.173	40031	(a)	—	41673	(a)	—
15733	.189	.038	16931	1.58	.072	40032	(a)	—	41675	(a)	—
15839	.31	.028	16940	3.18	.052	40040	(a)	—	41677	.186	—
15991	.25	.078	16941	1.27	.114	40041	(a)	—	41678	41.60	—
15993	.211	.053	18078	.14	.146	40042	(a)	—	41679	(a)	(a)
16005	.041	.034	18109	.42	.035	40045	137.00	—	41680	9.04	—
16009	.232	.079	18110	.33	.037	40046	27.00	—	41696	.59	—
16402	1.51	—	18200	(a)	—	40047	9.62	—	41697	.41	—
16403	.96	.14	18205	.216	.31	40059	3.45	—	41700	(a)	—
16404	1.21	—	18206	.54	.101	40061	1.83	—	41715	5.74	—
16471	.178	—	18335	.39	.017	40063	61.10	—	41716	3.65	—
16501	.087	(a)	18435	.54	.057	40064	18.00	—	43007	(a)	—
16527	.133	.36	18436	.43	.193	40066	(a)	—	43117	(a)	—
16588	.107	(a)	18437	.56	(a)	40067	(a)	—	43151	16.00	—
16604	.181	.147	18438	1.07	(a)	40069	(a)	—	43152	12.40	—
16670	2.47	—	18501	.49	.015	40072	(a)	—	43200	60.90	—
16676	.32	.014	18506	.38	.006	40075	32.20	—	43215	(a)	—
16694	.36	(a)	18507	.20	.009	40101	10.80	—	43421	16.70	—
16705	.247	.152	18570	2.09	—	40102	9.53	—	43422	87.60	—
16722	(a)	—	18575	(a)	(a)	40111	4.84	—	43424	(a)	—
16723	(a)	—	18616	.29	.54	40115	(a)	—	43470	3.42	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43517	(a)	—	44277	53.00	—	46004	16.50	—	47471	2.26	—
43518	8.87	—	44280	.186	—	46005	13.20	—	47473	2.95	—
43550	59.60	—	44311	4.57	—	46112	.042	—	47474	3.30	—
43551	33.10	—	44315	3.07	—	46202	2.54	—	47475	2.61	—
43626	7.08	—	44427	39.00	—	46362	145.00	—	47476	2.61	—
43628	92.10	—	44428	39.20	—	46426	21.20	—	47477	3.48	—
43629	78.00	—	44429	.59	—	46427	28.30	—	47478	3.65	—
43754	(a)	—	44430	.41	—	46510	(a)	—	47600	(a)	—
43760	2.60	—	44431	1.30	—	46590	(a)	—	47610	(a)	—
43822	2.72	—	44432	.41	—	46603	1.78	—	48039	43.20	—
43840	.033	—	44433	13.20	—	46604	2.05	—	48177	(a)	—
43860	2.14	—	44434	25.20	—	46606	5.47	—	48178	(a)	—
43889	.76	—	44435	26.10	—	46607	7.52	—	48206	18.70	—
43945	(a)	—	44436	30.50	—	46622	7.94	—	48252	(a)	—
43946	(a)	—	44437	25.30	—	46671	(a)	—	48441	.079	—
43990	(a)	(a)	44438	20.00	—	46700	123.00	—	48557	7.87	—
43991	(a)	—	44439	38.90	—	46773	(a)	—	48558	6.85	—
44009	2.53	—	44440	32.20	—	46822	(a)	—	48600	42.40	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	7.57	—	44501	(a)	—	46882	(a)	—	48636	1.92	(a)
44070	2.24	—	45190	2.00	—	46911	14.00	—	48637	6.01	—
44071	2.49	—	45191	1.42	—	46912	25.70	—	48638	2.98	—
44072	1.72	—	45192	1.66	—	46913	(a)	—	48727	(a)	—
44100	3.42	—	45193	.98	—	46914	(a)	—	48808	1.72	—
44101	3.56	—	45210	1.24	—	46915	(a)	—	48924	(a)	—
44102	2.78	—	45224	(a)	—	46916	(a)	—	48925	144.00	—
44103	2.46	—	45225	(a)	—	47050	.74	—	49005	.126	—
44104	1.03	—	45334	35.10	—	47051	(a)	—	49111	2.64	—
44105	(a)	—	45380	.221	(a)	47052	(a)	—	49181	14.10	—
44106	(a)	—	45450	10.30	—	47103	(a)	—	49183	17.20	—
44108	1.21	—	45523	(a)	—	47146	(a)	—	49184	36.30	—
44109	3.06	—	45524	(a)	—	47147	(a)	—	49185	33.10	—
44110	3.13	—	45539	(a)	—	47221	134.00	—	49239	.165	.65
44111	1.92	—	45678	.20	—	47253	(a)	—	49292	1.03	—
44112	1.14	—	45771	.34	.176	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.11	.049	47318	5.76	—	49333	7.58	—
44193	(a)	—	45900	.117	.059	47367	.186	—	49451	(a)	—
44194	(a)	—	45901	.10	.047	47420	1.26	—	49452	(a)	—
44222	(a)	—	45937	.138	—	47468	(a)	—	49617	.171	.215
44276	81.80	—	45993	(a)	(a)	47469	2.61	—	49618	.144	.067



## DIVISION SIX

## PREM/OPS TERR. 502

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 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	.27	.111	51315	.107	.106	51809	.31	.158	52341	.055	(a)
49763	1.75	—	51330	.117	.43	51833	.141	.072	52342	.159	(a)
49800	(a)	—	51333	.038	.31	51850	.28	(a)	52343	.097	(a)
49801	118.00	—	51340	.031	(a)	51851	.192	(a)	52401	.30	(a)
49802	10.50	—	51350	.218	.142	51852	.45	(a)	52402	.017	(a)
49803	18.60	—	51351	.195	.045	51853	.181	(a)	52432	.084	(a)
49840	.76	—	51352	.27	.114	51854	.41	(a)	52433	.077	1.20
49870	60.20	—	51355	.182	.096	51855	.43	(a)	52435	.096	(a)
49890	(a)	—	51356	.197	.69	51856	.234	(a)	52438	.07	(a)
49891	(a)	—	51357	.153	.53	51857	.40	(a)	52440	.109	(a)
49902	(a)	—	51358	.37	.149	51869	.083	.14	52467	.101	(a)
49903	(a)	—	51359	.32	.84	51877	.47	.22	52469	.035	.109
50010	.181	.58	51370	.36	5.00	51889	.077	.014	52505	.176	.203
50015	.118	(a)	51380	.036	.05	51896	.036	.02	52547	.26	.088
50017	.09	(a)	51400	.27	(a)	51900	.105	.093	52581	.86	3.68
50045	.205	(a)	51401	.40	(a)	51909	.26	.057	52619	.06	(a)
50047	.023	(a)	51500	.069	.109	51919	.078	(a)	52660	.066	—
51001	.066	.46	51516	.056	—	51926	.079	.04	52744	.54	.094
51005	.014	(a)	51517	.063	—	51927	.043	.115	52767	.237	(a)
51116	.166	.57	51550	.085	.36	51934	.087	.142	52876	(a)	(a)
51201	.031	(a)	51551	.03	.92	51941	.079	.039	52911	.048	.52
51205	.094	.083	51552	.051	.159	51942	.126	—	52967	.018	.064
51206	.015	.45	51553	.091	(a)	51956	.34	.246	53001	.176	.33
51210	.115	(a)	51554	.009	(a)	51957	.30	.40	53077	.085	.197
51211	(a)	(a)	51575	.058	.02	51958	.27	.39	53095	.058	(a)
51220	.39	2.58	51576	.164	.075	51959	.27	(a)	53096	.081	(a)
51221	.219	1.94	51600	.111	.198	51960	.036	.36	53121	.23	.46
51222	.27	3.12	51613	.074	.138	51970	.157	.25	53147	.04	(a)
51224	.28	1.33	51625	.06	(a)	51982	.046	.085	53229	.225	(a)
51230	.047	.79	51666	.093	.103	51985	.052	—	53271	.043	(a)
51240	.37	.182	51702	.181	(a)	51986	.181	.107	53333	.221	.213
51241	1.11	.30	51703	.075	(a)	51999	.076	.46	53374	.142	.38
51250	.30	(a)	51734	.141	.31	52002	.067	.118	53375	.075	.25
51251	.032	(a)	51741	.194	.25	52075	.223	.25	53376	.121	.187
51252	.113	.101	51752	.164	.159	52076	.27	(a)	53377	.124	.211
51253	.096	(a)	51767	.027	.009	52109	.017	(a)	53403	.078	(a)
51254	.03	.045	51777	.094	.076	52134	.225	.70	53425	.208	(a)
51255	.77	(a)	51790	.157	(a)	52137	.088	(a)	53565	.091	.124
51300	.13	.173	51796	.071	(a)	52150	.41	(a)	53631	.027	.022
51305	.13	1.03	51808	.25	.73	52315	.122	.24	53632	.031	.035

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 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	.028	(a)	56170	.205	(a)	57401	.056	.098	58503	.067	.061
53732	.192	.46	56171	.10	(a)	57403	.192	.036	58532	.087	(a)
53733	.125	.26	56202	.064	.10	57410	.027	.13	58559	.018	(a)
53734	.33	—	56390	.112	.63	57411	.051	(a)	58560	.043	(a)
53803	.50	(a)	56391	.096	.32	57572	.016	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.155	.125	57600	.047	.033	58575	.055	.123
53902	(a)	(a)	56488	.157	.034	57611	.11	.064	58627	.176	.016
53903	(a)	(a)	56567	.212	(a)	57625	.42	(a)	58663	.47	1.59
53904	(a)	(a)	56650	.65	(a)	57651	.05	.043	58682	.157	(a)
53905	(a)	(a)	56651	.35	(a)	57690	.142	.51	58713	.06	(a)
53907	.084	.111	56652	.25	(a)	57716	.068	.087	58737	.114	.74
53951	(a)	(a)	56653	.243	(a)	57725	.148	.091	58756	.088	(a)
53952	(a)	(a)	56654	.124	(a)	57726	.115	.019	58757	.38	(a)
53953	(a)	(a)	56690	.081	.36	57798	.026	(a)	58759	.047	(a)
54012	.033	—	56699	.071	.051	57800	.096	(a)	58802	.054	.45
54077	.115	.37	56758	.061	.155	57808	.057	(a)	58813	.215	(a)
54444	(a)	(a)	56759	.062	.093	57809	.058	(a)	58822	.148	(a)
55010	.35	1.10	56760	.089	.106	57810	.057	.109	58837	.43	.165
55011	.094	1.26	56805	.117	(a)	57871	.068	.116	58840	.13	.111
55012	.112	1.17	56806	.083	(a)	57913	.124	.31	58873	.206	.03
55013	.188	.99	56807	.082	(a)	57997	.074	—	58903	.034	(a)
55014	(a)	(a)	56808	.107	(a)	57998	.055	.059	58904	.026	.131
55214	.091	.089	56900	.103	(a)	57999	.093	.071	58922	.34	.187
55371	.36	.13	56910	.052	(a)	58009	.093	(a)	59005	.064	.096
55410	(a)	(a)	56911	.183	(a)	58010	.127	(a)	59057	.48	(a)
55426	.228	(a)	56912	.148	.084	58020	.206	(a)	59058	.31	(a)
55597	.023	1.78	56913	.121	(a)	58056	.152	(a)	59188	.41	.056
55647	.045	.056	56915	.71	(a)	58057	.096	(a)	59189	.56	.30
55648	.021	(a)	56916	.64	.187	58058	.086	(a)	59223	.214	.077
55649	.025	(a)	56917	.186	(a)	58095	.121	1.83	59257	.017	.015
55715	.18	.234	56918	.089	(a)	58096	.16	1.04	59306	.109	(a)
55716	.26	.52	56919	.228	(a)	58301	.071	.082	59378	.139	.152
55717	.30	(a)	56920	.208	(a)	58302	.043	.055	59481	.29	.088
55718	.29	(a)	56980	.089	(a)	58397	.25	.83	59482	.43	(a)
55802	.094	.009	57001	.031	.022	58408	.044	—	59537	.15	.168
55918	.103	3.19	57002	.02	.11	58409	.056	—	59601	.11	2.31
55919	.014	3.64	57090	.33	.63	58456	.03	—	59647	.191	.176
56040	.01	.04	57146	.212	.67	58457	.043	—	59660	.202	1.14
56041	.064	(a)	57202	.079	(a)	58458	.056	—	59661	.099	(a)
56042	.081	(a)	57257	.098	.036	58459	.067	—	59693	.017	—

## DIVISION SIX

## PREM/OPS TERR. 502

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 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	.50	.061	63220	(a)	—	91190	1.64	(a)
59701	.008	.244	59970	.128	.182	64074	14.10	—	91200	.61	—
59713	.181	.33	59973	.138	(a)	64075	9.95	—	91210	(a)	—
59722	.094	.032	59975	.179	.243	64500	(a)	—	91235	2.12	3.39
59723	.035	.038	59977	.102	(a)	65007	22.60	—	91250	3.20	(a)
59724	.054	.022	59984	.038	.055	66122	9.71	—	91265	13.00	3.82
59725	.067	.104	59985	.148	(a)	66123	5.33	—	91266	6.86	.98
59726	.049	.024	59986	.113	(a)	66309	15.60	—	91280	(a)	2.96
59738	.157	.066	59988	.046	.06	66561	36.10	—	91302	7.41	(a)
59750	.111	.24	59989	.02	.045	67017	33.50	—	91315	2.25	—
59751	.04	(a)	60010	10.80	—	67508	20.90	—	91324	5.01	(a)
59773	.024	.028	60011	12.40	—	67509	15.30	—	91325	(a)	(a)
59774	.02	.152	60012	20.40	—	67510	8.52	—	91340	3.27	12.10
59775	.026	.189	60013	17.50	—	67511	9.21	—	91341	3.49	5.39
59781	.097	.076	60015	13.10	—	67512	39.50	—	91342	3.00	4.59
59782	.144	.49	60016	14.70	—	67513	25.00	—	91343	.77	1.54
59783	.141	(a)	60035	25.40	—	67634	29.00	—	91405	3.81	—
59784	.108	(a)	61000	10.70	—	67635	20.50	—	91436	3.95	2.66
59790	.121	(a)	61212	13.70	—	68001	62.60	—	91481	14.40	—
59798	.37	.46	61216	15.20	—	68439	80.50	—	91507	2.12	4.29
59806	.26	(a)	61217	13.80	—	68500	2.38	—	91523	32.70	—
59867	.136	(a)	61218	9.44	—	68604	1.50	—	91547	.186	—
59886	.018	.112	61223	63.70	—	68606	5.88	—	91551	1.15	.72
59889	.08	.153	61224	22.60	—	68607	4.65	—	91555	1.28	1.16
59892	.141	(a)	61225	31.30	—	68702	3.83	—	91560	3.79	5.49
59904	.095	.066	61226	49.90	—	68703	2.87	—	91562	2.57	—
59905	.085	.13	61227	45.70	—	68706	12.30	—	91577	9.20	3.39
59914	.50	.62	62000	10.40	—	68707	12.20	—	91580	5.00	—
59915	.32	.78	62001	7.79	—	90089	3.34	—	91581	(a)	(a)
59917	.058	.165	62002	3.56	—	91111	2.74	7.25	91582	(a)	(a)
59923	.012	.005	62003	11.20	—	91125	2.01	2.94	91583	(a)	(a)
59925	.33	1.09	63010	19.50	—	91127	1.84	1.65	91584	(a)	(a)
59926	.28	.42	63011	24.30	—	91130	1.06	—	91585	(a)	(a)
59927	.189	1.56	63012	34.60	—	91135	.30	(a)	91586	(a)	(a)
59931	.225	.59	63013	32.80	—	91150	1.74	6.38	91587	(a)	(a)
59932	.242	.93	63215	37.10	—	91155	3.86	44.80	91588	(a)	(a)
59941	.075	(a)	63216	25.70	—	91160	.81	—	91589	(a)	(a)
59947	.095	.33	63217	27.40	—	91175	.70	—	91590	2.67	—
59955	.029	.147	63218	9.24	—	91177	3.04	—	91591	(a)	(a)
59963	.215	.45	63219	(a)	—	91179	3.05	—	91606	10.40	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 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	1.06	—	97653	2.42	3.35	98426	1.96	(a)
91629	2.12	(a)	95358	(a)	—	97654	4.22	3.33	98427	1.91	—
91636	3.64	—	95410	3.43	3.52	97655	3.98	5.89	98428	(a)	—
91641	.98	(a)	95455	4.39	1.78	98002	.72	1.17	98429	.95	—
91666	.72	(a)	95487	1.84	(a)	98003	.76	(a)	98430	(a)	—
91722	3.18	(a)	95505	2.05	2.44	98090	.102	—	98449	2.74	29.50
91746	2.57	4.80	95620	1.49	(a)	98091	.11	—	98482	2.94	8.38
91805	.161	—	95625	3.54	3.99	98092	.34	—	98483	4.34	22.90
92053	.40	.59	95630	(a)	(a)	98111	.54	—	98502	4.16	4.67
92054	.137	.26	95647	2.56	5.63	98150	(a)	—	98555	1.94	—
92055	3.81	.28	95648	(a)	(a)	98151	(a)	—	98597	.43	—
92101	5.96	3.29	96053	1.94	5.49	98152	2.42	.62	98598	.149	—
92102	3.59	3.57	96317	1.10	—	98153	2.73	(a)	98601	4.98	(a)
92215	3.04	3.97	96408	2.97	13.50	98154	3.22	(a)	98622	(a)	—
92338	1.38	2.18	96409	2.74	14.50	98155	4.51	(a)	98623	(a)	—
92445	2.08	—	96410	2.41	10.80	98156	(a)	(a)	98624	.78	—
92446	4.53	2.13	96611	.75	1.93	98157	2.88	.45	98636	2.61	4.29
92447	3.96	1.86	96702	3.41	(a)	98158	(a)	(a)	98640	85.80	—
92451	2.12	2.30	96703	(a)	—	98159	1.93	(a)	98658	4.66	—
92453	2.51	—	96816	3.20	—	98160	4.09	(a)	98659	.83	.48
92478	1.24	2.10	96872	3.90	(a)	98161	4.58	(a)	98677	13.50	12.50
92593	27.90	—	96930	(a)	—	98162	(a)	(a)	98678	12.00	18.30
92663	.49	—	97002	(a)	(a)	98163	4.81	.26	98698	(a)	(a)
94007	8.50	6.75	97003	(a)	(a)	98164	1.79	.086	98699	3.91	(a)
94099	1.94	—	97047	2.28	—	98257	1.14	—	98705	6.59	—
94225	6.81	—	97050	1.77	—	98303	9.05	9.76	98710	2.72	—
94276	3.55	5.57	97111	4.10	—	98304	4.23	4.16	98751	3.52	—
94304	2.71	(a)	97220	.28	(a)	98305	1.83	1.91	98805	3.55	1.42
94381	5.09	16.70	97221	(a)	1.10	98306	4.71	1.08	98806	2.43	3.71
94404	3.36	6.49	97222	1.41	2.36	98307	1.34	.63	98810	2.58	—
94444	(a)	(a)	97223	2.12	4.02	98308	.88	.97	98813	2.49	2.73
94569	2.27	4.06	97308	.53	—	98309	4.55	3.02	98820	6.78	4.30
94590	9.79	—	97447	1.74	5.31	98344	.51	.70	98871	(a)	(a)
94617	3.09	—	97501	(a)	—	98405	.84	—	98884	1.76	2.02
94638	(a)	—	97502	(a)	—	98413	11.10	(a)	98914	.57	.71
95124	1.14	.67	97503	(a)	—	98414	10.20	(a)	98949	.80	.42
95233	2.45	—	97504	(a)	—	98415	1.34	(a)	98967	2.77	10.70
95305	2.66	—	97650	2.83	4.55	98423	3.19	(a)	98993	4.99	5.80
95306	4.17	—	97651	5.15	4.62	98424	5.41	(a)	99003	1.32	1.84
95310	6.34	1.75	97652	4.47	4.71	98425	2.22	(a)	99004	2.07	2.09

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 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	.93	11.10	99826	.51	.57						
99081	(a)	—	99827	.34	.64						
99082	(a)	—	99851	1.37	—						
99083	(a)	—	99917	2.21	—						
99084	(a)	(a)	99938	2.48	—						
99085	(a)	(a)	99943	7.20	—						
99111	1.35	—	99946	5.36	3.53						
99160	(a)	—	99948	6.01	33.30						
99163	3.23	.58	99952	3.78	24.30						
99165	.71	(a)	99953	4.08	12.80						
99220	1.25	(a)	99954	2.97	13.90						
99221	(a)	(a)	99955	3.72	10.50						
99222	2.35	(a)	99963	.53	—						
99223	.199	(a)	99969	2.27	3.48						
99303	10.80	—	99975	3.30	—						
99310	2.71	(a)	99986	(a)	—						
99315	7.96	2.00	99987	(a)	—						
99321	7.72	3.04	99988	2.01	—						
99445	(a)	(a)									
99471	.57	—									
99505	4.22	—									
99506	5.19	—									
99507	4.53	—									
99570	2.43	(a)									
99571	.59	(a)									
99572	1.15	(a)									
99573	1.10	(a)									
99600	.90	—									
99613	6.84	2.66									
99614	2.01	—									
99620	.37	—									
99650	1.15	1.08									
99709	2.84	(a)									
99718	1.09	—									
99746	1.85	3.43									
99760	.211	—									
99777	4.47	—									
99793	2.35	—									
99798	(a)	(a)									
99803	(a)	12.10									