

LOSS COSTS – IMPLEMENTATION

JUNE 19, 2018

GENERAL LIABILITY

LI-GL-2018-053

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

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### KEY MESSAGE

Revised overall prospective loss costs for -7.0% to be implemented.

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### BACKGROUND

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

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### ISO ACTION

We are implementing GL-2018-BGL1, which presents a review of General Liability loss cost experience. Refer to the attachment(s) for complete details.

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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, 2018.

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, 2018, 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-2018-BGL1, NOT this circular number.

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

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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-2017-074](#) contains the ISO Guide To Renewals With Changed Conditions For Commercial Lines, which is available only as a guide to assist participating companies in complying with various conditional renewal statutes or regulations, for the major commercial lines of insurance serviced by ISO. The information in the Guide does not necessarily reflect all requirements or exceptions that may apply, and it is not intended as a substitute for your review of all applicable statutes and regulations concerning policyholder notification.

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**REVISION DISTRIBUTION**

We will issue a Notice to Manualholders with an edition date of 12-18 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

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**REFERENCE(S)**

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

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## ATTACHMENT(S)

- GL-2018-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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## 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 Director of Actuarial Operations for ISO and I, Timothy J. McCarthy, am an Actuarial Product Director for Commercial Liability for ISO. We are jointly responsible for the content of this Statement of Actuarial Opinion. We are both members of the American Academy of Actuaries and we meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

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## CONTACT INFORMATION

If you have any questions concerning:

- The actuarial content of this circular, please contact:  
Ping Hsin Lee  
Actuarial Operations, Casualty  
201-469-2548  
[Ping.Lee@verisk.com](mailto:Ping.Lee@verisk.com)  
[casualtyactuarial@verisk.com](mailto:casualtyactuarial@verisk.com)
- The non-actuarial content of this circular, please contact:  
William Jones  
Production Operations, Compliance and Product Services  
201-469-2815  
[William.E.Jones@verisk.com](mailto:William.E.Jones@verisk.com)  
[casualtyactuarial@verisk.com](mailto:casualtyactuarial@verisk.com)
- Other issues for this circular, please contact Customer Support:  
E-mail: [info@verisk.com](mailto:info@verisk.com)  
Phone: 800-888-4476

Callers outside the United States, Canada, and the Caribbean may contact us using our global toll-free number (International Access Code + 800 48977489). For information on all ISO products, visit us at [www.verisk.com/iso](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-2018-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 -7.0% 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 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	-10.8%	- 5.0%
OL&T	+ 4.6%	0.0%
Premises/Operations	- 3.8%	- 2.7%
Products	- 8.2%	- 8.2%
Local Products/Completed Operations	-16.6%	-16.6%
Products/Completed Operations	-14.7%	-14.7%
GL Overall	- 7.7%	- 7.0%

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 except for Manufacturers and Contractors and Owners, Landlords and Tenants where changes of -5.0% and 0.0% have been selected respectively to temper the effect of the experience for the latest year and to avoid swings in loss costs.

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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 METHODOLOGY

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

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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 6/30/2017 for Premises/Operations.
- Calendar - accident year data through year ended 12/31/2016 for Products/Completed Operations.

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

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## ADJUSTMENTS TO REPORTED EXPERIENCE

The period of use for this revision is anticipated to begin on 12/1/2018. The Products/Completed Operations portion of this review uses a trend date of 7/1/2018 because of the multistate nature of the review. To adjust the loss and exposure data to levels expected to prevail during the period when the revised indications are assumed to be in effect, historical losses and exposures have been multiplied by trend factors. These trend factors are based on changes in cost, frequency and inflation sensitive exposure bases that are expected to arise between the historical experience period and the prospective period during which the revised loss costs will be in effect. For a summary of the selected annual trend factors, see Section E, Section F and Section G - Trend Summary.

For Premises/Operations, occurrence cost data and occurrence frequency data through 6/30/2017 were used in selecting annual trend factors. For Products/Completed Operations, occurrence cost data and occurrence frequency data through 12/31/2016 were used.

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

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

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

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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	Hartford Accident & Indemnity Co.
10	Great American Insurance Co.

PRODUCTS LIABILITY (ASLOB 18.0)

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

Insurers are listed in descending order based on the percent of written premium volume from Statutory Page 14 Data for the year ending 12/31/2016 for the Annual Statement Line of Business (ASLOB) indicated. ASLOB 17.0 is based on statewide written premium volume while ASLOB 18.0 is based on multistate written premium volume.

SIZE  
OF  
ISO  
DATA  
BASE

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

The market share of ISO participating insurers as measured by Statutory Page 14 Written Premium for the year ending 12/31/2016 is:

Statewide - Other Liability (ASLOB 17.0)	40.8%
Multistate - Products Liability (ASLOB 18.0)	47.7%

COMPANY  
DECISION

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

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

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OREGON  
PRIOR REVISIONS

The latest implemented revisions in this state are:

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%

Document: GL-2015-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		- 4.8%	- 4.8%	- 4.8%
OL&T		+ 0.1%	+ 0.1%	+ 0.1%
Prem/Ops Combined		- 2.8%	- 2.8%	- 2.8%
Products		- 9.0%	- 9.0%	- 9.0%
Local Products/Completed Ops		-19.0%	-19.0%	-19.0%
Products/Completed Ops Combined		-17.0%	-17.0%	-17.0%
General Liability Overall	12/1/2015	- 8.1%	- 8.1%	- 8.1%

**GENERAL LIABILITY OTHER THAN PROFESSIONAL  
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS  
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PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS  
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**GENERAL LIABILITY OTHER THAN PROFESSIONAL  
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS  
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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)	- 8.5%	+ 8.1%	- 1.0%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	- 10.8%	+ 4.6%	- 3.8%	- 8.2%*	- 16.6%**	- 14.7%	- 7.7%
Statewide Selected Monoline Loss Cost Level Change (See Section C)	- 5.0%	0.0%	- 2.7%	- 8.2%*	- 16.6%	- 14.7%	- 7.0%

\* 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.

OREGON

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

<u>CODE</u>	<u>TERRITORY DESCRIPTION</u>	<u>LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT LEVEL (ALCCL)</u>	<u>INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING</u>	<u>SELECTED LOSS COST LEVEL CHANGE BEFORE CAPPING</u>	<u>LOSS COST LEVEL CHANGE AFTER CAPPING</u>
501	Portland	\$ 3,560,931	+ 1.2%	- 3.3%	- 3.3%
502	Remainder of State	6,393,840	+ 6.5%	+ 1.8%	+ 1.9%
	STATEWIDE TOTAL	\$ 9,954,771	+ 4.6%	0.0%	0.0%



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	SELECTED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
30	SERVICE	\$ 725,939	- 7.1%	- 1.1%	- 2.6%
31	LIGHT CONTRACTING	1,507,942	- 7.7%	- 1.7%	- 3.1%
32	MEDIUM CONTRACTING	4,670,093	- 8.8%	- 2.9%	- 4.3%
33	HEAVY CONTRACTING	903,414	- 12.3%	- 6.6%	- 7.9%
34	DEALERS OR DISTRIBUTORS	1,278,375	- 13.7%	- 8.1%	- 5.4%
35	LIGHT MANUFACTURERS	389,560	- 16.4%	- 11.0%	- 8.6%
36	MEDIUM MANUFACTURERS	902,487	- 14.9%	- 9.4%	- 7.3%
37	HEAVY MANUFACTURERS	903,183	- 17.3%	- 11.9%	- 9.6%
38	MISCELLANEOUS OPERATIONS	789,630	- 10.2%	- 4.4%	- 1.8%
	TOTAL	\$ 12,070,623	- 10.8%	- 5.0%	- 5.0%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	SELECTED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
01	FOOD AND BEVERAGE (RETAIL)	\$ 512,486	+ 0.9%	- 3.5%	- 2.9%
02	RESTAURANTS	1,355,336	+ 6.2%	+ 1.5%	+ 1.5%
03	STORES	540,491	+ 3.7%	- 0.9%	- 0.4%
04	VENDING AND RENTAL	43,777	+ 4.8%	+ 0.2%	- 0.2%
05	FOOD AND BEVERAGE DISTRIBUTORS	101,898	+ 2.7%	- 1.8%	- 2.4%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	266,617	+ 4.4%	- 0.2%	+ 0.3%
07	CLUBS, AMUSEMENTS AND SPORTS	733,284	+ 6.7%	+ 2.0%	+ 3.2%
08	HEALTH CARE FACILITIES	101,809	+ 4.0%	- 0.6%	+ 0.4%
09	HOTELS AND MOTELS	1,434,382	+ 4.5%	- 0.1%	+ 0.7%
10	SCHOOLS AND CHURCHES	481,705	+ 2.6%	- 1.9%	- 1.9%
11	APARTMENTS	900,085	+ 2.1%	- 2.4%	- 2.9%
12	BUILDINGS AND OFFICES	3,261,180	+ 5.2%	+ 0.6%	- 0.1%
13	MISCELLANEOUS PREMISES	174,265	+ 8.4%	+ 3.6%	+ 3.7%
16	GOVERNMENTAL SUBDIVISIONS	47,456	- 1.7%	- 6.0%	- 9.1%
	TOTAL	\$ 9,954,771	+ 4.6%	0.0%	0.0%

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	\$ 46,246,181	- 10.7%	\$ 1,331,078	- 8.6%	- 8.6%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	45,592,501	- 5.3%	660,414	- 6.4%	- 6.4%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,691,642	- 5.9%	53,818	- 9.1%	- 9.1%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	40,472,764	- 8.2%	666,448	- 9.4%	- 9.4%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	10,893,110	- 8.4%	101,437	- 5.4%	- 5.4%
	PRODUCTS SUBTOTAL	\$ 148,896,198	- 8.0%	\$ 2,813,195	- 8.2%	- 8.2%
01	RETAIL STORES-FOOD OR DRUG			\$ 265,177	- 26.3%	- 26.2%
02	RETAIL STORES-NOT FOOD OR DRUG			468,290	- 16.3%	- 16.2%
11	COMPLETED OPERATIONS-LOW			415,781	- 14.9%	- 14.8%
12	COMPLETED OPERATIONS-MEDIUM			7,799,488	- 15.9%	- 16.0%
13	COMPLETED OPERATIONS-HIGH			590,041	- 22.5%	- 22.5%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 9,538,777	- 16.6%	- 16.6%
	TOTAL			\$ 12,351,972	- 14.7%	- 14.7%

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- M&C classes reflect an upper cap of +25% and a lower cap of -25% relative to current loss costs;
- OL&T classes reflect an upper cap of +25% and a lower cap of -20% relative to current loss costs;
- Products classes reflect an upper cap of +25% and a lower cap of -28% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +25% and a lower cap of -37% 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: 0.986

OL&T: 1.000

LP/CO: 0.994

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	.104	.108	-3.7	10101	502	.227	.224	1.3	10160	501	1.580	1.640	-3.7
10010	502	.111	.109	1.8	10105	501	1.840	1.920	-4.2	10160	502	2.100	2.080	1.0
10015	501	4.590	4.660	-1.5	10105	502	2.450	2.430	0.8	10204	501	.159	.166	-4.2
10015	502	3.580	3.450	3.8	10107	501	3.190	3.360	-5.1	10204	502	.212	.210	1.0
10026	501	.460	.480	-4.2	10107	502	2.970	3.140	-5.4	10205	501	.178	.185	-3.8
10026	502	.610	.600	1.7	10110	501	15.600	15.800	-1.3	10205	502	.236	.234	0.9
10036	501	.670	.710	-5.6	10110	502	12.200	11.800	3.4	10220	501	3.340	3.490	-4.3
10036	502	.620	.660	-6.1	10111	501	.131	.135	-3.0	10220	502	4.450	4.410	0.9
10040	501	.079	.082	-3.7	10111	502	.140	.137	2.2	10255	501	.248	.260	-4.6
10040	502	.085	.083	2.4	10113	501	.260	.270	-3.7	10255	502	.231	.245	-5.7
10042	501	.260	.270	-3.7	10113	502	.340	.340	0.0	10256	501	.910	.960	-5.2
10042	502	.350	.350	0.0	10115	501	.510	.530	-3.8	10256	502	.850	.900	-5.6
10052	501	3.180	3.220	-1.2	10115	502	.670	.670	0.0	10257	501	.171	.180	-5.0
10052	502	2.480	2.390	3.8	10117	501	4.560	4.620	-1.3	10257	502	.160	.169	-5.3
10054	501	2.820	2.860	-1.4	10117	502	3.560	3.430	3.8	10309	501	.115	.120	-4.2
10054	502	2.200	2.120	3.8	10120	501	10.200	10.400	-1.9	10309	502	.153	.151	1.3
10060	501	.126	.131	-3.8	10120	502	7.980	7.690	3.8	10315	501	.270	.280	-3.6
10060	502	.167	.166	0.6	10130	501	2.510	2.620	-4.2	10315	502	.360	.360	0.0
10065	501	.189	.197	-4.1	10130	502	3.340	3.310	0.9	10331	501	6.230	6.310	-1.3
10065	502	.250	.249	0.4	10132	501	2.160	2.260	-4.4	10331	502	4.860	4.680	3.8
10066	501	.192	.201	-4.5	10132	502	2.880	2.850	1.1	10332	501	10.700	10.900	-1.8
10066	502	.260	.250	4.0	10133	501	3.190	3.280	-2.7	10332	502	8.390	8.080	3.8
10070	501	.060	.062	-3.2	10133	502	1.830	1.790	2.2	10352	501	.250	.270	-7.4
10070	502	.064	.062	3.2	10140	501	.031	.033	-6.1	10352	502	.270	.270	0.0
10071	501	.226	.236	-4.2	10140	502	.029	.029	0.0	10367	501	3.170	3.210	-1.2
10071	502	.300	.300	0.0	10141	501	.063	.066	-4.5	10367	502	3.070	3.130	-1.9
10072	501	3.590	3.630	-1.1	10141	502	.057	.057	0.0	10368	501	4.640	4.690	-1.1
10072	502	3.470	3.540	-2.0	10145	501	.300	.320	-6.3	10368	502	4.490	4.570	-1.8
10073	501	1.040	1.100	-5.5	10145	502	.270	.280	-3.6	10378	501	6.300	6.390	-1.4
10073	502	.970	1.030	-5.8	10146	501	.193	.207	-6.8	10378	502	4.920	4.740	3.8
10075	501	7.730	8.150	-5.2	10146	502	.204	.208	-1.9	10379	501	2.930	2.970	-1.3
10075	502	7.210	7.620	-5.4	10150	501	.350	.370	-5.4	10379	502	2.280	2.200	3.6
10100	501	.430	.460	-6.5	10150	502	.470	.460	2.2	10380	501	5.000	5.070	-1.4
10100	502	.460	.470	-2.1	10151	501	8.850	9.230	-4.1	10380	502	3.900	3.760	3.7
10101	501	.170	.178	-4.5	10151	502	11.800	11.700	0.9	10381	501	4.330	4.390	-1.4

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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
10381	502	3.380	3.250	4.0	11208	501	1.190	1.200	-0.8	12361	502	.062	.062	0.0
11007	501	1.350	1.360	-0.7	11208	502	1.150	1.170	-1.7	12362	501	.066	.068	-2.9
11007	502	1.310	1.330	-1.5	11209	501	5.570	5.630	-1.1	12362	502	.070	.069	1.4
11020	501	.215	.224	-4.0	11209	502	5.390	5.480	-1.6	12373	501	.025	.026	-3.8
11020	502	.290	.280	3.6	11210	501	2.370	2.400	-1.3	12373	502	.027	.026	3.8
11039	501	.910	.950	-4.2	11210	502	2.300	2.340	-1.7	12374	501	.440	.460	-4.3
11039	502	.840	.890	-5.6	11211	501	12.300	12.500	-1.6	12374	502	.580	.580	0.0
11052	501	3.320	3.410	-2.6	11211	502	11.900	12.100	-1.7	12375	501	.215	.224	-4.0
11052	502	1.900	1.860	2.2	11212	501	1.870	1.880	-0.5	12375	502	.290	.280	3.6
11126	501	.044	.046	-4.3	11212	502	1.800	1.840	-2.2	12391	501	.049	.051	-3.9
11126	502	.059	.058	1.7	11213	501	1.520	1.540	-1.3	12391	502	.053	.052	1.9
11127	501	.330	.340	-2.9	11213	502	1.470	1.500	-2.0	12393	501	.280	.300	-6.7
11127	502	.360	.350	2.9	11214	501	3.750	3.790	-1.1	12393	502	.380	.380	0.0
11128	501	.450	.460	-2.2	11214	502	3.620	3.690	-1.9	12467	501	.118	.124	-4.8
11128	502	.480	.470	2.1	11222	501	.063	.064	-1.6	12467	502	.158	.156	1.3
11138	501	1.560	1.580	-1.3	11222	502	.061	.062	-1.6	12509	501	.062	.065	-4.6
11138	502	1.220	1.170	4.3	11234	501	.200	.208	-3.8	12509	502	.058	.061	-4.9
11155	501	.152	.158	-3.8	11234	502	.270	.260	3.8	12510	501	.790	.830	-4.8
11155	502	.202	.200	1.0	11248	501	.047	.050	-6.0	12510	502	.730	.780	-6.4
11167	501	.760	.790	-3.8	11248	502	.044	.046	-4.3	12583	501	.350	.370	-5.4
11167	502	.440	.430	2.3	11258	501	.520	.560	-7.1	12583	502	.330	.340	-2.9
11168	501	3.960	4.070	-2.7	11258	502	.550	.560	-1.8	12651	501	1.020	1.070	-4.7
11168	502	2.270	2.220	2.3	11259	501	.560	.600	-6.7	12651	502	.950	1.010	-5.9
11201	501	11.800	11.900	-0.8	11259	502	.590	.600	-1.7	12683	501	.470	.490	-4.1
11201	502	11.400	11.600	-1.7	11273	501	9.900	10.300	-3.9	12683	502	.430	.460	-6.5
11202	501	3.490	3.530	-1.1	11273	502	13.200	13.000	1.5	12707	501	.430	.440	-2.3
11202	502	3.380	3.440	-1.7	11274	501	9.500	9.920	-4.2	12707	502	.460	.450	2.2
11203	501	.770	.800	-3.8	11274	502	12.700	12.500	1.6	12797	501	.091	.094	-3.2
11203	502	.830	.810	2.5	11288	501	.640	.680	-5.9	12797	502	.097	.095	2.1
11204	501	.222	.232	-4.3	11288	502	.680	.690	-1.4	12805	501	.229	.239	-4.2
11204	502	.300	.290	3.4	12014	501	.102	.107	-4.7	12805	502	.310	.300	3.3
11206	501	.550	.550	0.0	12014	502	.095	.100	-5.0	12841	501	.380	.400	-5.0
11206	502	.530	.540	-1.9	12356	501	.840	.880	-4.5	12841	502	.510	.500	2.0
11207	501	6.920	6.990	-1.0	12356	502	1.120	1.110	0.9	12927	501	.067	.069	-2.9
11207	502	6.700	6.810	-1.6	12361	501	.068	.072	-5.6	12927	502	.089	.088	1.1

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
13049	501	.036	.038	-5.3	13621	502	.116	.122	-4.9	14734	501	.189	.197	-4.1
13049	502	.032	.032	0.0	13670	501	.038	.040	-5.0	14734	502	.250	.249	0.4
13111	501	.480	.520	-7.7	13670	502	.035	.035	0.0	14855	501	.218	.230	-5.2
13111	502	.510	.520	-1.9	13673	501	.390	.420	-7.1	14855	502	.203	.215	-5.6
13112	501	.058	.061	-4.9	13673	502	.420	.430	-2.3	14913	501	.237	.247	-4.0
13112	502	.053	.053	0.0	13715	501	.066	.068	-2.9	14913	502	.320	.310	3.2
13201	501	.900	.950	-5.3	13715	502	.070	.069	1.4	15062	501	.196	.207	-5.3
13201	502	.840	.890	-5.6	13716	501	.320	.340	-5.9	15062	502	.183	.193	-5.2
13204	501	1.020	1.070	-4.7	13716	502	.430	.420	2.4	15063	501	.228	.241	-5.4
13204	502	.950	1.010	-5.9	13720	501	.222	.238	-6.7	15063	502	.213	.225	-5.3
13205	501	.390	.410	-4.9	13720	502	.235	.240	-2.1	15070	501	.106	.107	-0.9
13205	502	.370	.390	-5.1	13759	501	.126	.131	-3.8	15070	502	.103	.105	-1.9
13314	501	.085	.089	-4.5	13759	502	.167	.166	0.6	15123	501	3.180	3.270	-2.8
13314	502	.113	.112	0.9	13930	501	.140	.144	-2.8	15123	502	1.820	1.780	2.2
13351	501	.207	.216	-4.2	13930	502	.149	.146	2.1	15124	501	1.110	1.140	-2.6
13351	502	.280	.270	3.7	14068	501	.028	.029	-3.4	15124	502	.640	.620	3.2
13352	501	.211	.220	-4.1	14068	502	.037	.037	0.0	15188	501	.340	.360	-5.6
13352	502	.280	.280	0.0	14101	501	.330	.340	-2.9	15188	502	.320	.340	-5.9
13410	501	1.430	1.500	-4.7	14101	502	.430	.430	0.0	15223	501	.045	.048	-6.3
13410	502	1.330	1.410	-5.7	14279	501	.470	.500	-6.0	15223	502	.041	.041	0.0
13412	501	.480	.510	-5.9	14279	502	.440	.470	-6.4	15224	501	.235	.250	-6.0
13412	502	.450	.470	-4.3	14401	501	.520	.560	-7.1	15224	502	.249	.250	-0.4
13453	501	.560	.590	-5.1	14401	502	.560	.570	-1.8	15314	501	.152	.158	-3.8
13453	502	.520	.550	-5.5	14405	501	.790	.800	-1.2	15314	502	.202	.200	1.0
13454	501	.650	.680	-4.4	14405	502	.770	.780	-1.3	15404	501	.089	.094	-5.3
13454	502	.610	.640	-4.7	14527	501	.270	.280	-3.6	15404	502	.083	.088	-5.7
13455	501	.660	.700	-5.7	14527	502	.290	.280	3.6	15405	501	.132	.139	-5.0
13455	502	.620	.650	-4.6	14655	501	.063	.066	-4.5	15405	502	.123	.130	-5.4
13506	501	.650	.680	-4.4	14655	502	.084	.083	1.2	15406	501	.340	.350	-2.9
13506	502	.870	.860	1.2	14731	501	3.290	3.380	-2.7	15406	502	.310	.330	-6.1
13507	501	.780	.820	-4.9	14731	502	1.890	1.840	2.7	15488	501	.840	.880	-4.5
13507	502	1.040	1.030	1.0	14732	501	.243	.250	-2.8	15488	502	.780	.820	-4.9
13590	501	.490	.520	-5.8	14732	502	.139	.136	2.2	15538	501	.270	.280	-3.6
13590	502	.460	.480	-4.2	14733	501	.440	.460	-4.3	15538	502	.360	.360	0.0
13621	501	.124	.131	-5.3	14733	502	.590	.580	1.7	15600	501	.680	.710	-4.2

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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
15600	502	.910	.900	1.1	16604	501	.208	.220	-5.5	16906	502	1.120	1.080	3.7
15607	501	.139	.141	-1.4	16604	502	.194	.205	-5.4	16910	501	1.300	1.330	-2.3
15607	502	.135	.137	-1.5	16670	501	2.580	2.620	-1.5	16910	502	1.000	.970	3.1
15608	501	.152	.158	-3.8	16670	502	2.020	1.940	4.1	16911	501	1.180	1.200	-1.7
15608	502	.202	.200	1.0	16676	501	.211	.220	-4.1	16911	502	.910	.870	4.6
15656	501	4.480	4.680	-4.3	16676	502	.280	.280	0.0	16915	501	1.340	1.360	-1.5
15656	502	5.960	5.900	1.0	16694	501	.410	.430	-4.7	16915	502	1.030	.990	4.0
15699	501	.340	.350	-2.9	16694	502	.380	.410	-7.3	16916	501	1.120	1.130	-0.9
15699	502	.330	.340	-2.9	16705	501	.209	.216	-3.2	16916	502	.860	.830	3.6
15733	501	.218	.230	-5.2	16705	502	.224	.219	2.3	16920	501	2.970	3.020	-1.7
15733	502	.203	.215	-5.6	16750	501	.074	.077	-3.9	16920	502	2.280	2.190	4.1
15839	501	.203	.212	-4.2	16750	502	.098	.097	1.0	16921	501	2.710	2.760	-1.8
15839	502	.270	.270	0.0	16751	501	.074	.077	-3.9	16921	502	2.080	2.000	4.0
15991	501	.166	.174	-4.6	16751	502	.098	.097	1.0	16930	501	1.710	1.740	-1.7
15991	502	.222	.219	1.4	16819	501	1.190	1.250	-4.8	16930	502	1.310	1.260	4.0
15993	501	.141	.147	-4.1	16819	502	1.110	1.170	-5.1	16931	501	1.840	1.870	-1.6
15993	502	.187	.185	1.1	16820	501	.920	.970	-5.2	16931	502	1.410	1.360	3.7
16005	501	.035	.036	-2.8	16820	502	.860	.910	-5.5	16940	501	3.700	3.770	-1.9
16005	502	.037	.036	2.8	16881	501	1.160	1.210	-4.1	16940	502	2.840	2.740	3.6
16009	501	.270	.280	-3.6	16881	502	1.540	1.530	0.7	16941	501	1.480	1.510	-2.0
16009	502	.250	.260	-3.8	16890	501	.139	.146	-4.8	16941	502	1.140	1.100	3.6
16402	501	1.010	1.050	-3.8	16890	502	.129	.137	-5.8	18078	501	.119	.123	-3.3
16402	502	1.340	1.330	0.8	16891	501	.151	.159	-5.0	18078	502	.127	.124	2.4
16403	501	.640	.660	-3.0	16891	502	.141	.149	-5.4	18109	501	.280	.290	-3.4
16403	502	.850	.840	1.2	16892	501	.280	.290	-3.4	18109	502	.370	.370	0.0
16404	501	.800	.840	-4.8	16892	502	.260	.270	-3.7	18110	501	.222	.232	-4.3
16404	502	1.070	1.060	0.9	16900	501	2.170	2.210	-1.8	18110	502	.300	.290	3.4
16471	501	.196	.198	-1.0	16900	502	1.670	1.610	3.7	18205	501	.183	.189	-3.2
16471	502	.190	.193	-1.6	16901	501	1.390	1.420	-2.1	18205	502	.196	.192	2.1
16501	501	.074	.076	-2.6	16901	502	1.070	1.030	3.9	18206	501	.360	.370	-2.7
16501	502	.079	.077	2.6	16902	501	1.180	1.200	-1.7	18206	502	.480	.470	2.1
16527	501	.113	.117	-3.4	16902	502	.910	.870	4.6	18335	501	.260	.270	-3.7
16527	502	.121	.118	2.5	16905	501	2.290	2.330	-1.7	18335	502	.340	.340	0.0
16588	501	.124	.131	-5.3	16905	502	1.760	1.690	4.1	18435	501	.460	.490	-6.1
16588	502	.116	.122	-4.9	16906	501	1.460	1.490	-2.0	18435	502	.480	.490	-2.0

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LOSS COST % CHANGE BY CLASS

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18436	501	.370	.400	-7.5	19795	502	.290	.290	0.0	41604	501	8.210	8.650	-5.1
18436	502	.390	.400	-2.5	19796	501	.260	.270	-3.7	41604	502	5.650	5.660	-0.2
18437	501	.370	.390	-5.1	19796	502	.340	.340	0.0	41620	501	.990	1.000	-1.0
18437	502	.490	.490	0.0	40045	501	143.000	145.000	-1.4	41620	502	.960	.970	-1.0
18438	501	.710	.740	-4.1	40045	502	112.000	108.000	3.7	41650	501	21.000	22.200	-5.4
18438	502	.950	.940	1.1	40046	501	28.300	28.700	-1.4	41650	502	14.500	14.500	0.0
18501	501	.420	.450	-6.7	40046	502	22.100	21.300	3.8	41664	501	21.700	22.000	-1.4
18501	502	.440	.450	-2.2	40047	501	10.100	10.200	-1.0	41664	502	16.900	16.300	3.7
18506	501	.440	.460	-4.3	40047	502	7.870	7.590	3.7	41665	501	2.540	2.570	-1.2
18506	502	.410	.430	-4.7	40059	501	3.610	3.660	-1.4	41665	502	1.980	1.910	3.7
18507	501	.133	.139	-4.3	40059	502	2.820	2.720	3.7	41667	501	59.200	60.100	-1.5
18507	502	.177	.175	1.1	40061	501	1.910	1.940	-1.5	41667	502	46.200	44.500	3.8
18570	501	1.390	1.450	-4.1	40061	502	1.490	1.440	3.5	41668	501	55.500	56.300	-1.4
18570	502	1.850	1.830	1.1	40063	501	64.100	65.000	-1.4	41668	502	43.300	41.800	3.6
18616	501	.330	.350	-5.7	40063	502	50.000	48.200	3.7	41669	501	.390	.390	0.0
18616	502	.310	.330	-6.1	40064	501	18.800	19.100	-1.6	41669	502	.300	.290	3.4
18707	501	.010	.010	0.0	40064	502	14.700	14.200	3.5	41670	501	.650	.660	-1.5
18707	502	.011	.010	10.0	40075	501	40.500	40.500	0.0	41670	502	.510	.490	4.1
18708	501	.081	.085	-4.7	40075	502	28.700	27.200	5.5	41677	501	.204	.207	-1.4
18708	502	.108	.107	0.9	40101	501	9.530	10.000	-4.7	41677	502	.198	.201	-1.5
18833	501	.117	.121	-3.3	40101	502	9.260	9.100	1.8	41678	501	66.300	68.200	-2.8
18833	502	.126	.123	2.4	40102	501	8.420	8.860	-5.0	41678	502	37.900	37.000	2.4
18834	501	.211	.220	-4.1	40102	502	8.180	8.040	1.7	41680	501	10.900	11.500	-5.2
18834	502	.280	.280	0.0	40111	501	5.070	5.150	-1.6	41680	502	7.540	7.550	-0.1
18911	501	.670	.690	-2.9	40111	502	3.960	3.820	3.7	41696	501	.650	.650	0.0
18911	502	.890	.880	1.1	41001	501	.171	.174	-1.7	41696	502	.630	.640	-1.6
18912	501	1.250	1.310	-4.6	41001	502	.134	.129	3.9	41697	501	.450	.450	0.0
18912	502	1.670	1.650	1.2	41421	501	.320	.330	-3.0	41697	502	.440	.440	0.0
18920	501	.330	.340	-2.9	41421	502	.217	.218	-0.5	41715	501	6.940	7.320	-5.2
18920	502	.430	.430	0.0	41422	501	.168	.177	-5.1	41715	502	4.780	4.790	-0.2
19007	501	1.240	1.280	-3.1	41422	502	.116	.116	0.0	41716	501	4.420	4.660	-5.2
19007	502	.710	.700	1.4	41510	501	33.500	34.900	-4.0	41716	502	3.040	3.050	-0.3
19051	501	2.760	2.830	-2.5	41510	502	44.600	44.100	1.1	43151	501	20.200	20.100	0.5
19051	502	1.580	1.540	2.6	41603	501	14.900	15.700	-5.1	43151	502	14.300	13.500	5.9
19795	501	.218	.228	-4.4	41603	502	10.300	10.300	0.0	43152	501	19.900	20.400	-2.5

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43152	502	11.300	11.100	1.8	44070	501	2.350	2.380	-1.3	44315	502	2.520	2.420	4.1
43200	501	76.800	76.600	0.3	44070	502	1.830	1.770	3.4	44427	501	34.500	36.300	-5.0
43200	502	54.300	51.500	5.4	44071	501	2.620	2.650	-1.1	44427	502	33.500	32.900	1.8
43421	501	21.000	21.000	0.0	44071	502	2.040	1.970	3.6	44428	501	34.600	36.500	-5.2
43421	502	14.900	14.100	5.7	44072	501	1.810	1.830	-1.1	44428	502	33.700	33.100	1.8
43422	501	110.000	110.000	0.0	44072	502	1.410	1.360	3.7	44429	501	.520	.550	-5.5
43422	502	78.000	74.000	5.4	44100	501	4.700	5.170	-9.1	44429	502	.500	.500	0.0
43470	501	3.760	3.800	-1.1	44100	502	3.180	3.320	-4.2	44430	501	.360	.380	-5.3
43470	502	3.640	3.700	-1.6	44101	501	4.900	5.390	-9.1	44430	502	.350	.340	2.9
43518	501	9.290	9.420	-1.4	44101	502	3.310	3.460	-4.3	44431	501	1.150	1.210	-5.0
43518	502	7.250	6.990	3.7	44102	501	3.820	4.200	-9.0	44431	502	1.120	1.100	1.8
43550	501	75.000	74.900	0.1	44102	502	2.580	2.700	-4.4	44432	501	.370	.380	-2.6
43550	502	53.000	50.300	5.4	44103	501	3.380	3.720	-9.1	44432	502	.360	.350	2.9
43551	501	41.600	41.500	0.2	44103	502	2.280	2.390	-4.6	44433	501	11.600	12.300	-5.7
43551	502	29.400	27.900	5.4	44104	501	1.420	1.560	-9.0	44433	502	11.300	11.100	1.8
43626	501	7.430	7.530	-1.3	44104	502	.960	1.000	-4.0	44434	501	22.300	23.400	-4.7
43626	502	5.800	5.580	3.9	44108	501	1.660	1.830	-9.3	44434	502	21.700	21.300	1.9
43628	501	96.500	97.800	-1.3	44108	502	1.120	1.180	-5.1	44435	501	23.100	24.300	-4.9
43628	502	75.300	72.600	3.7	44109	501	4.210	4.630	-9.1	44435	502	22.400	22.000	1.8
43629	501	81.800	82.900	-1.3	44109	502	2.850	2.980	-4.4	44436	501	26.900	28.400	-5.3
43629	502	63.800	61.500	3.7	44110	501	4.310	4.740	-9.1	44436	502	26.200	25.700	1.9
43760	501	2.720	2.760	-1.4	44110	502	2.910	3.050	-4.6	44437	501	22.300	23.500	-5.1
43760	502	2.130	2.050	3.9	44111	501	2.640	2.910	-9.3	44437	502	21.700	21.300	1.9
43822	501	2.990	3.020	-1.0	44111	502	1.790	1.870	-4.3	44438	501	17.600	18.600	-5.4
43822	502	2.900	2.950	-1.7	44112	501	1.570	1.720	-8.7	44438	502	17.200	16.900	1.8
43840	501	.037	.037	0.0	44112	502	1.060	1.110	-4.5	44439	501	34.400	36.100	-4.7
43840	502	.036	.036	0.0	44276	501	103.000	103.000	0.0	44439	502	33.400	32.800	1.8
43860	501	2.360	2.380	-0.8	44276	502	72.800	69.100	5.4	44440	501	28.400	29.900	-5.0
43860	502	2.280	2.320	-1.7	44277	501	66.800	66.600	0.3	44440	502	27.600	27.200	1.5
43889	501	.840	.850	-1.2	44277	502	47.200	44.800	5.4	45190	501	2.390	2.480	-3.6
43889	502	.820	.830	-1.2	44280	501	.204	.207	-1.4	45190	502	1.810	1.780	1.7
44009	501	3.880	3.980	-2.5	44280	502	.198	.201	-1.5	45191	501	1.700	1.760	-3.4
44009	502	2.220	2.170	2.3	44311	501	4.790	4.860	-1.4	45191	502	1.280	1.260	1.6
44069	501	7.940	8.050	-1.4	44311	502	3.740	3.610	3.6	45192	501	1.990	2.060	-3.4
44069	502	6.200	5.970	3.9	44315	501	3.220	3.270	-1.5	45192	502	1.500	1.480	1.4

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45193	501	1.170	1.210	-3.3	46427	502	25.800	25.200	2.4	47475	501	3.160	3.330	-5.1
45193	502	.890	.870	2.3	46603	501	2.840	2.920	-2.7	47475	502	2.170	2.180	-0.5
45210	501	1.480	1.540	-3.9	46603	502	1.620	1.580	2.5	47476	501	3.160	3.330	-5.1
45210	502	1.120	1.100	1.8	46604	501	3.270	3.370	-3.0	47476	502	2.170	2.180	-0.5
45334	501	44.200	44.100	0.2	46604	502	1.870	1.830	2.2	47477	501	4.210	4.430	-5.0
45334	502	31.300	29.700	5.4	46606	501	8.730	8.980	-2.8	47477	502	2.900	2.900	0.0
45380	501	.260	.270	-3.7	46606	502	4.990	4.870	2.5	47478	501	4.420	4.660	-5.2
45380	502	.238	.250	-4.8	46607	501	12.000	12.300	-2.4	47478	502	3.040	3.050	-0.3
45450	501	13.000	13.000	0.0	46607	502	6.860	6.690	2.5	48039	501	54.400	54.300	0.2
45450	502	9.200	8.720	5.5	46622	501	8.740	8.840	-1.1	48039	502	38.500	36.500	5.5
45678	501	.221	.223	-0.9	46622	502	8.460	8.610	-1.7	48206	501	19.600	19.900	-1.5
45678	502	.214	.217	-1.4	46700	501	154.000	154.000	0.0	48206	502	15.300	14.800	3.4
45771	501	.390	.410	-4.9	46700	502	109.000	104.000	4.8	48441	501	.083	.084	-1.2
45771	502	.360	.380	-5.3	46911	501	14.700	14.900	-1.3	48441	502	.064	.062	3.2
45819	501	.127	.133	-4.5	46911	502	11.500	11.100	3.6	48557	501	8.250	8.370	-1.4
45819	502	.118	.125	-5.6	46912	501	26.900	27.300	-1.5	48557	502	6.440	6.200	3.9
45900	501	.078	.081	-3.7	46912	502	21.000	20.200	4.0	48558	501	7.180	7.280	-1.4
45900	502	.103	.102	1.0	47050	501	.820	.830	-1.2	48558	502	5.600	5.400	3.7
45901	501	.067	.069	-2.9	47050	502	.790	.810	-2.5	48600	501	67.600	69.600	-2.9
45901	502	.089	.088	1.1	47221	501	169.000	169.000	0.0	48600	502	38.700	37.700	2.7
45937	501	.173	.173	0.0	47221	502	120.000	114.000	5.3	48636	501	1.190	1.320	-9.8
45937	502	.123	.116	6.0	47318	501	6.040	6.120	-1.3	48636	502	2.160	2.390	-9.6
46004	501	20.000	21.100	-5.2	47318	502	4.720	4.540	4.0	48637	501	6.300	6.390	-1.4
46004	502	13.800	13.800	0.0	47367	501	.204	.207	-1.4	48637	502	4.920	4.740	3.8
46005	501	16.000	16.800	-4.8	47367	502	.198	.201	-1.5	48638	501	3.130	3.170	-1.3
46005	502	11.000	11.000	0.0	47420	501	1.320	1.340	-1.5	48638	502	2.440	2.350	3.8
46112	501	.037	.039	-5.1	47420	502	1.030	1.000	3.0	48808	501	1.150	1.200	-4.2
46112	502	.036	.036	0.0	47469	501	3.160	3.330	-5.1	48808	502	1.530	1.510	1.3
46202	501	3.040	3.150	-3.5	47469	502	2.170	2.180	-0.5	48925	501	151.000	153.000	-1.3
46202	502	2.300	2.260	1.8	47471	501	2.740	2.880	-4.9	48925	502	118.000	113.000	4.4
46362	501	231.000	238.000	-2.9	47471	502	1.880	1.890	-0.5	49005	501	.139	.141	-1.4
46362	502	132.000	129.000	2.3	47473	501	3.580	3.770	-5.0	49005	502	.135	.137	-1.5
46426	501	33.800	34.800	-2.9	47473	502	2.460	2.470	-0.4	49111	501	1.750	1.830	-4.4
46426	502	19.300	18.900	2.1	47474	501	4.000	4.210	-5.0	49111	502	2.330	2.310	0.9
46427	501	45.200	46.500	-2.8	47474	502	2.750	2.760	-0.4	49181	501	17.800	17.700	0.6

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49181	502	12.600	11.900	5.9	50017	501	.075	.081	-7.4	51250	502	.340	.380	-10.5
49183	501	21.700	21.600	0.5	50017	502	.097	.105	-7.6	51251	501	.027	.029	-6.9
49183	502	15.300	14.500	5.5	50045	501	.171	.185	-7.6	51251	502	.035	.037	-5.4
49184	501	45.700	45.600	0.2	50045	502	.222	.239	-7.1	51252	501	.094	.101	-6.9
49184	502	32.300	30.700	5.2	50047	501	.019	.021	-9.5	51252	502	.122	.131	-6.9
49185	501	41.600	41.500	0.2	50047	502	.025	.027	-7.4	51253	501	.080	.086	-7.0
49185	502	29.400	27.900	5.4	51001	501	.041	.045	-8.9	51253	502	.104	.112	-7.1
49239	501	.191	.201	-5.0	51001	502	.074	.082	-9.8	51254	501	.025	.027	-7.4
49239	502	.178	.188	-5.3	51005	501	.008	.009	-11.1	51254	502	.032	.035	-8.6
49292	501	1.300	1.300	0.0	51005	502	.015	.017	-11.8	51255	501	.480	.530	-9.4
49292	502	.920	.870	5.7	51116	501	.104	.114	-8.8	51255	502	.870	.960	-9.4
49333	501	9.540	9.520	0.2	51116	502	.188	.207	-9.2	51300	501	.118	.129	-8.5
49333	502	6.750	6.400	5.5	51201	501	.026	.028	-7.1	51300	502	.140	.153	-8.5
49617	501	.260	.270	-3.7	51201	502	.034	.036	-5.6	51305	501	.118	.129	-8.5
49617	502	.150	.147	2.0	51205	501	.079	.085	-7.1	51305	502	.140	.153	-8.5
49618	501	.220	.226	-2.7	51205	502	.102	.110	-7.3	51315	501	.124	.131	-5.3
49618	502	.126	.123	2.4	51206	501	.012	.013	-7.7	51315	502	.116	.122	-4.9
49619	501	.410	.430	-4.7	51206	502	.016	.017	-5.9	51330	501	.073	.080	-8.7
49619	502	.237	.232	2.2	51210	501	.072	.079	-8.9	51330	502	.132	.146	-9.6
49763	501	2.680	2.760	-2.9	51210	502	.130	.144	-9.7	51333	501	.024	.026	-7.7
49763	502	1.540	1.500	2.7	51220	501	.246	.270	-8.9	51333	502	.043	.048	-10.4
49801	501	149.000	149.000	0.0	51220	502	.450	.490	-8.2	51340	501	.025	.028	-10.7
49801	502	105.000	100.000	5.0	51221	501	.137	.151	-9.3	51340	502	.033	.036	-8.3
49802	501	13.200	13.200	0.0	51221	502	.247	.270	-8.5	51350	501	.199	.216	-7.9
49802	502	9.350	8.870	5.4	51222	501	.166	.183	-9.3	51350	502	.235	.260	-9.6
49803	501	23.400	23.400	0.0	51222	502	.300	.330	-9.1	51351	501	.178	.194	-8.2
49803	502	16.600	15.700	5.7	51224	501	.174	.192	-9.4	51351	502	.210	.230	-8.7
49840	501	.840	.850	-1.2	51224	502	.320	.350	-8.6	51352	501	.244	.270	-9.6
49840	502	.820	.830	-1.2	51230	501	.030	.033	-9.1	51352	502	.290	.320	-9.4
49870	501	63.100	63.900	-1.3	51230	502	.054	.059	-8.5	51355	501	.166	.181	-8.3
49870	502	49.200	47.400	3.8	51240	501	.310	.340	-8.8	51355	502	.197	.215	-8.4
50010	501	.151	.163	-7.4	51240	502	.400	.430	-7.0	51356	501	.179	.195	-8.2
50010	502	.197	.211	-6.6	51241	501	.920	1.000	-8.0	51356	502	.212	.232	-8.6
50015	501	.098	.106	-7.5	51241	502	1.200	1.290	-7.0	51357	501	.176	.186	-5.4
50015	502	.128	.137	-6.6	51250	501	.189	.208	-9.1	51357	502	.164	.174	-5.7

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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	.420	.450	-6.7	51613	502	.080	.086	-7.0	51853	501	.113	.124	-8.9
51358	502	.400	.420	-4.8	51625	501	.038	.041	-7.3	51853	502	.204	.226	-9.7
51359	501	.370	.390	-5.1	51625	502	.068	.075	-9.3	51854	501	.250	.280	-10.7
51359	502	.350	.370	-5.4	51666	501	.084	.092	-8.7	51854	502	.460	.510	-9.8
51370	501	.300	.330	-9.1	51666	502	.100	.109	-8.3	51855	501	.270	.290	-6.9
51370	502	.390	.420	-7.1	51702	501	.113	.124	-8.9	51855	502	.480	.530	-9.4
51380	501	.030	.033	-9.1	51702	502	.204	.226	-9.7	51856	501	.146	.161	-9.3
51380	502	.039	.042	-7.1	51703	501	.047	.051	-7.8	51856	502	.260	.290	-10.3
51400	501	.171	.188	-9.0	51703	502	.084	.093	-9.7	51857	501	.249	.270	-7.8
51400	502	.310	.340	-8.8	51734	501	.088	.097	-9.3	51857	502	.450	.500	-10.0
51401	501	.250	.280	-10.7	51734	502	.159	.175	-9.1	51869	501	.069	.075	-8.0
51401	502	.460	.500	-8.0	51741	501	.161	.175	-8.0	51869	502	.090	.097	-7.2
51500	501	.057	.062	-8.1	51741	502	.210	.226	-7.1	51877	501	.390	.420	-7.1
51500	502	.075	.080	-6.2	51752	501	.136	.147	-7.5	51877	502	.510	.550	-7.3
51516	501	.061	.062	-1.6	51752	502	.177	.191	-7.3	51889	501	.064	.070	-8.6
51516	502	.059	.060	-1.7	51767	501	.025	.027	-7.4	51889	502	.084	.090	-6.7
51517	501	.070	.070	0.0	51767	502	.029	.032	-9.4	51896	501	.030	.032	-6.3
51517	502	.067	.068	-1.5	51777	501	.086	.093	-7.5	51896	502	.039	.042	-7.1
51550	501	.071	.077	-7.8	51777	502	.101	.111	-9.0	51900	501	.096	.105	-8.6
51550	502	.092	.099	-7.1	51790	501	.143	.155	-7.7	51900	502	.114	.124	-8.1
51551	501	.025	.027	-7.4	51790	502	.169	.185	-8.6	51909	501	.159	.176	-9.7
51551	502	.032	.034	-5.9	51796	501	.059	.064	-7.8	51909	502	.290	.320	-9.4
51552	501	.043	.046	-6.5	51796	502	.077	.082	-6.1	51919	501	.065	.070	-7.1
51552	502	.055	.060	-8.3	51808	501	.209	.226	-7.5	51919	502	.084	.091	-7.7
51553	501	.076	.082	-7.3	51808	502	.270	.290	-6.9	51926	501	.066	.071	-7.0
51553	502	.099	.106	-6.6	51809	501	.260	.280	-7.1	51926	502	.086	.092	-6.5
51554	501	.007	.008	-12.5	51809	502	.340	.360	-5.6	51927	501	.036	.039	-7.7
51554	502	.009	.010	-10.0	51833	501	.129	.140	-7.9	51927	502	.046	.050	-8.0
51575	501	.053	.058	-8.6	51833	502	.152	.166	-8.4	51934	501	.072	.078	-7.7
51575	502	.063	.069	-8.7	51850	501	.176	.195	-9.7	51934	502	.094	.101	-6.9
51576	501	.136	.147	-7.5	51850	502	.320	.350	-8.6	51941	501	.066	.071	-7.0
51576	502	.177	.191	-7.3	51851	501	.119	.132	-9.8	51941	502	.086	.092	-6.5
51600	501	.093	.100	-7.0	51851	502	.216	.239	-9.6	51942	501	.105	.114	-7.9
51600	502	.121	.130	-6.9	51852	501	.280	.310	-9.7	51942	502	.137	.147	-6.8
51613	501	.061	.066	-7.6	51852	502	.510	.560	-8.9	51956	501	.280	.310	-9.7

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LOSS COST % CHANGE BY CLASS

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51956	502	.370	.400	-7.5	52341	501	.034	.038	-10.5	52744	502	.580	.640	-9.4
51957	501	.250	.270	-7.4	52341	502	.062	.068	-8.8	52767	501	.148	.163	-9.2
51957	502	.330	.350	-5.7	52342	501	.099	.109	-9.2	52767	502	.270	.300	-10.0
51958	501	.222	.240	-7.5	52342	502	.179	.198	-9.6	52911	501	.040	.043	-7.0
51958	502	.290	.310	-6.5	52343	501	.060	.067	-10.4	52911	502	.052	.056	-7.1
51959	501	.227	.246	-7.7	52343	502	.109	.121	-9.9	52967	501	.015	.016	-6.3
51959	502	.300	.320	-6.3	52401	501	.187	.206	-9.2	52967	502	.020	.021	-4.8
51960	501	.030	.032	-6.3	52401	502	.340	.370	-8.1	53001	501	.147	.159	-7.5
51960	502	.039	.042	-7.1	52402	501	.014	.015	-6.7	53001	502	.191	.205	-6.8
51970	501	.130	.141	-7.8	52402	502	.018	.020	-10.0	53077	501	.070	.076	-7.9
51970	502	.170	.183	-7.1	52432	501	.070	.076	-7.9	53077	502	.092	.099	-7.1
51982	501	.038	.042	-9.5	52432	502	.091	.098	-7.1	53095	501	.048	.052	-7.7
51982	502	.050	.054	-7.4	52433	501	.064	.069	-7.2	53095	502	.063	.068	-7.4
51985	501	.057	.058	-1.7	52433	502	.083	.090	-7.8	53096	501	.067	.073	-8.2
51985	502	.055	.056	-1.8	52435	501	.080	.087	-8.0	53096	502	.088	.094	-6.4
51986	501	.151	.163	-7.4	52435	502	.104	.112	-7.1	53121	501	.191	.207	-7.7
51986	502	.197	.211	-6.6	52438	501	.058	.063	-7.9	53121	502	.249	.270	-7.8
51999	501	.064	.069	-7.2	52438	502	.075	.081	-7.4	53147	501	.025	.028	-10.7
51999	502	.083	.089	-6.7	52440	501	.091	.098	-7.1	53147	502	.045	.050	-10.0
52002	501	.056	.060	-6.7	52440	502	.118	.127	-7.1	53229	501	.140	.154	-9.1
52002	502	.073	.078	-6.4	52467	501	.084	.091	-7.7	53229	502	.250	.280	-10.7
52075	501	.139	.153	-9.2	52467	502	.109	.118	-7.6	53271	501	.036	.039	-7.7
52075	502	.250	.280	-10.7	52469	501	.029	.032	-9.4	53271	502	.047	.050	-6.0
52076	501	.167	.185	-9.7	52469	502	.038	.041	-7.3	53333	501	.138	.152	-9.2
52076	502	.300	.330	-9.1	52505	501	.146	.159	-8.2	53333	502	.249	.280	-11.1
52109	501	.014	.015	-6.7	52505	502	.191	.205	-6.8	53374	501	.130	.141	-7.8
52109	502	.018	.020	-10.0	52547	501	.162	.178	-9.0	53374	502	.154	.168	-8.3
52134	501	.187	.202	-7.4	52547	502	.290	.320	-9.4	53375	501	.069	.075	-8.0
52134	502	.243	.260	-6.5	52581	501	.710	.770	-7.8	53375	502	.081	.089	-9.0
52137	501	.055	.060	-8.3	52581	502	.930	1.000	-7.0	53376	501	.110	.120	-8.3
52137	502	.099	.109	-9.2	52619	501	.050	.054	-7.4	53376	502	.131	.143	-8.4
52150	501	.340	.370	-8.1	52619	502	.065	.070	-7.1	53377	501	.113	.123	-8.1
52150	502	.450	.480	-6.3	52660	501	.073	.074	-1.4	53377	502	.134	.146	-8.2
52315	501	.112	.121	-7.4	52660	502	.070	.072	-2.8	53403	501	.071	.078	-9.0
52315	502	.132	.145	-9.0	52744	501	.490	.540	-9.3	53403	502	.085	.092	-7.6

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LOSS COST % CHANGE BY CLASS

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53425	501	.130	.143	-9.1	55371	502	.390	.430	-9.3	56202	501	.053	.058	-8.6
53425	502	.235	.260	-9.6	55426	501	.142	.157	-9.6	56202	502	.070	.075	-6.7
53565	501	.083	.090	-7.8	55426	502	.260	.280	-7.1	56390	501	.093	.101	-7.9
53565	502	.098	.108	-9.3	55597	501	.019	.020	-5.0	56390	502	.121	.131	-7.6
53631	501	.022	.024	-8.3	55597	502	.025	.026	-3.8	56391	501	.080	.087	-8.0
53631	502	.029	.031	-6.5	55647	501	.038	.041	-7.3	56391	502	.104	.112	-7.1
53632	501	.025	.028	-10.7	55647	502	.049	.053	-7.5	56427	501	.129	.140	-7.9
53632	502	.033	.036	-8.3	55648	501	.017	.019	-10.5	56427	502	.168	.181	-7.2
53731	501	.023	.025	-8.0	55648	502	.022	.024	-8.3	56488	501	.143	.155	-7.7
53731	502	.030	.033	-9.1	55649	501	.020	.022	-9.1	56488	502	.169	.185	-8.6
53732	501	.160	.173	-7.5	55649	502	.027	.029	-6.9	56567	501	.132	.146	-9.6
53732	502	.208	.224	-7.1	55715	501	.150	.162	-7.4	56567	502	.239	.260	-8.1
53733	501	.104	.112	-7.1	55715	502	.195	.210	-7.1	56650	501	.400	.450	-11.1
53733	502	.135	.145	-6.9	55716	501	.217	.235	-7.7	56650	502	.730	.810	-9.9
53734	501	.370	.370	0.0	55716	502	.280	.300	-6.7	56651	501	.220	.242	-9.1
53734	502	.360	.360	0.0	55717	501	.188	.207	-9.2	56651	502	.400	.440	-9.1
53803	501	.310	.340	-8.8	55717	502	.340	.380	-10.5	56652	501	.157	.173	-9.2
53803	502	.560	.620	-9.7	55718	501	.182	.201	-9.5	56652	502	.280	.310	-9.7
53907	501	.070	.076	-7.9	55718	502	.330	.360	-8.3	56653	501	.151	.167	-9.6
53907	502	.091	.098	-7.1	55802	501	.086	.093	-7.5	56653	502	.270	.300	-10.0
54012	501	.037	.037	0.0	55802	502	.101	.111	-9.0	56654	501	.077	.085	-9.4
54012	502	.036	.036	0.0	55918	501	.086	.093	-7.5	56654	502	.140	.155	-9.7
54077	501	.096	.104	-7.7	55918	502	.112	.120	-6.7	56690	501	.074	.081	-8.6
54077	502	.125	.134	-6.7	55919	501	.012	.013	-7.7	56690	502	.088	.096	-8.3
55010	501	.290	.310	-6.5	55919	502	.015	.016	-6.3	56699	501	.059	.064	-7.8
55010	502	.380	.410	-7.3	56040	501	.008	.009	-11.1	56699	502	.077	.083	-7.2
55011	501	.078	.085	-8.2	56040	502	.011	.011	0.0	56758	501	.050	.055	-9.1
55011	502	.102	.110	-7.3	56041	501	.053	.058	-8.6	56758	502	.066	.071	-7.0
55012	501	.093	.101	-7.9	56041	502	.070	.075	-6.7	56759	501	.052	.056	-7.1
55012	502	.121	.131	-7.6	56042	501	.067	.073	-8.2	56759	502	.067	.072	-6.9
55013	501	.117	.129	-9.3	56042	502	.088	.094	-6.4	56760	501	.074	.080	-7.5
55013	502	.212	.235	-9.8	56170	501	.127	.141	-9.9	56760	502	.096	.104	-7.7
55214	501	.076	.082	-7.3	56170	502	.231	.260	-11.2	56805	501	.097	.106	-8.5
55214	502	.098	.106	-7.5	56171	501	.063	.069	-8.7	56805	502	.127	.137	-7.3
55371	501	.330	.360	-8.3	56171	502	.113	.125	-9.6	56806	501	.069	.075	-8.0

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LOSS COST % CHANGE BY CLASS

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56806	502	.090	.097	-7.2	57146	501	.132	.146	-9.6	57800	502	.104	.111	-6.3
56807	501	.068	.074	-8.1	57146	502	.239	.260	-8.1	57808	501	.035	.039	-10.3
56807	502	.089	.096	-7.3	57202	501	.066	.071	-7.0	57808	502	.064	.071	-9.9
56808	501	.089	.097	-8.2	57202	502	.086	.092	-6.5	57809	501	.036	.040	-10.0
56808	502	.116	.125	-7.2	57257	501	.082	.089	-7.9	57809	502	.066	.073	-9.6
56900	501	.086	.093	-7.5	57257	502	.107	.115	-7.0	57810	501	.035	.039	-10.3
56900	502	.112	.120	-6.7	57401	501	.046	.050	-8.0	57810	502	.064	.071	-9.9
56910	501	.043	.046	-6.5	57401	502	.061	.065	-6.2	57871	501	.042	.046	-8.7
56910	502	.056	.060	-6.7	57403	501	.175	.191	-8.4	57871	502	.076	.084	-9.5
56911	501	.114	.126	-9.5	57403	502	.207	.227	-8.8	57913	501	.103	.111	-7.2
56911	502	.206	.228	-9.6	57410	501	.022	.024	-8.3	57913	502	.134	.144	-6.9
56912	501	.092	.102	-9.8	57410	502	.029	.032	-9.4	57997	501	.082	.083	-1.2
56912	502	.167	.185	-9.7	57411	501	.032	.035	-8.6	57997	502	.079	.081	-2.5
56913	501	.075	.083	-9.6	57411	502	.058	.064	-9.4	57998	501	.046	.049	-6.1
56913	502	.136	.150	-9.3	57572	501	.013	.014	-7.1	57998	502	.059	.064	-7.8
56915	501	.440	.490	-10.2	57572	502	.017	.018	-5.6	57999	501	.058	.064	-9.4
56915	502	.810	.890	-9.0	57600	501	.039	.043	-9.3	57999	502	.105	.116	-9.5
56916	501	.400	.440	-9.1	57600	502	.051	.055	-7.3	58009	501	.058	.064	-9.4
56916	502	.730	.800	-8.7	57611	501	.068	.075	-9.3	58009	502	.105	.116	-9.5
56917	501	.116	.128	-9.4	57611	502	.124	.137	-9.5	58010	501	.106	.115	-7.8
56917	502	.210	.232	-9.5	57625	501	.350	.370	-5.4	58010	502	.138	.148	-6.8
56918	501	.056	.062	-9.7	57625	502	.450	.480	-6.3	58020	501	.188	.205	-8.3
56918	502	.101	.112	-9.8	57651	501	.042	.045	-6.7	58020	502	.223	.244	-8.6
56919	501	.142	.157	-9.6	57651	502	.055	.059	-6.8	58056	501	.126	.137	-8.0
56919	502	.260	.280	-7.1	57690	501	.089	.098	-9.2	58056	502	.164	.177	-7.3
56920	501	.130	.143	-9.1	57690	502	.161	.178	-9.6	58057	501	.079	.086	-8.1
56920	502	.235	.260	-9.6	57716	501	.042	.046	-8.7	58057	502	.104	.111	-6.3
56980	501	.074	.081	-8.6	57716	502	.076	.084	-9.5	58058	501	.071	.077	-7.8
56980	502	.097	.104	-6.7	57725	501	.092	.102	-9.8	58058	502	.093	.100	-7.0
57001	501	.025	.028	-10.7	57725	502	.167	.185	-9.7	58095	501	.100	.109	-8.3
57001	502	.033	.036	-8.3	57726	501	.072	.079	-8.9	58095	502	.131	.141	-7.1
57002	501	.016	.018	-11.1	57726	502	.130	.144	-9.7	58096	501	.133	.145	-8.3
57002	502	.021	.023	-8.7	57798	501	.021	.023	-8.7	58096	502	.174	.187	-7.0
57090	501	.208	.230	-9.6	57798	502	.028	.030	-6.7	58301	501	.044	.049	-10.2
57090	502	.380	.420	-9.5	57800	501	.079	.086	-8.1	58301	502	.080	.089	-10.1

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 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
58302	501	.036	.039	-7.7	58737	502	.123	.132	-6.8	59223	501	.133	.147	-9.5
58302	502	.047	.050	-6.0	58756	501	.055	.060	-8.3	59223	502	.241	.270	-10.7
58397	501	.209	.226	-7.5	58756	502	.099	.109	-9.2	59257	501	.014	.016	-12.5
58397	502	.270	.290	-6.9	58757	501	.320	.350	-8.6	59257	502	.019	.020	-5.0
58408	501	.048	.049	-2.0	58757	502	.410	.450	-8.9	59306	501	.090	.098	-8.2
58408	502	.047	.048	-2.1	58759	501	.039	.043	-9.3	59306	502	.118	.126	-6.3
58409	501	.061	.062	-1.6	58759	502	.051	.055	-7.3	59378	501	.086	.095	-9.5
58409	502	.059	.060	-1.7	58802	501	.045	.048	-6.3	59378	502	.157	.173	-9.2
58456	501	.033	.033	0.0	58802	502	.058	.063	-7.9	59481	501	.243	.260	-6.5
58456	502	.032	.032	0.0	58813	501	.134	.148	-9.5	59481	502	.320	.340	-5.9
58457	501	.047	.048	-2.1	58813	502	.243	.270	-10.0	59482	501	.390	.420	-7.1
58457	502	.046	.047	-2.1	58822	501	.123	.133	-7.5	59482	502	.460	.500	-8.0
58458	501	.061	.062	-1.6	58822	502	.160	.172	-7.0	59537	501	.093	.103	-9.7
58458	502	.059	.060	-1.7	58837	501	.270	.300	-10.0	59537	502	.169	.187	-9.6
58459	501	.074	.074	0.0	58837	502	.490	.540	-9.3	59601	501	.091	.099	-8.1
58459	502	.071	.072	-1.4	58840	501	.081	.089	-9.0	59601	502	.119	.128	-7.0
58503	501	.056	.060	-6.7	58840	502	.146	.162	-9.9	59647	501	.174	.189	-7.9
58503	502	.073	.078	-6.4	58873	501	.129	.142	-9.2	59647	502	.206	.225	-8.4
58532	501	.072	.078	-7.7	58873	502	.233	.260	-10.4	59660	501	.168	.182	-7.7
58532	502	.094	.101	-6.9	58903	501	.028	.031	-9.7	59660	502	.219	.236	-7.2
58559	501	.015	.016	-6.3	58903	502	.037	.040	-7.5	59661	501	.082	.089	-7.9
58559	502	.019	.021	-9.5	58904	501	.022	.023	-4.3	59661	502	.107	.116	-7.8
58560	501	.035	.038	-7.9	58904	502	.028	.030	-6.7	59693	501	.014	.015	-6.7
58560	502	.046	.050	-8.0	58922	501	.214	.236	-9.3	59693	502	.018	.019	-5.3
58575	501	.046	.049	-6.1	58922	502	.390	.430	-9.3	59701	501	.007	.007	0.0
58575	502	.059	.064	-7.8	59005	501	.053	.058	-8.6	59701	502	.009	.009	0.0
58627	501	.146	.159	-8.2	59005	502	.070	.075	-6.7	59713	501	.151	.163	-7.4
58627	502	.191	.205	-6.8	59057	501	.400	.430	-7.0	59713	502	.196	.211	-7.1
58663	501	.290	.320	-9.4	59057	502	.510	.550	-7.3	59722	501	.078	.084	-7.1
58663	502	.530	.590	-10.2	59058	501	.260	.280	-7.1	59722	502	.102	.109	-6.4
58682	501	.130	.141	-7.8	59058	502	.330	.360	-8.3	59723	501	.029	.032	-9.4
58682	502	.170	.182	-6.6	59188	501	.370	.410	-9.8	59723	502	.038	.041	-7.3
58713	501	.055	.059	-6.8	59188	502	.440	.480	-8.3	59724	501	.045	.049	-8.2
58713	502	.065	.071	-8.5	59189	501	.510	.560	-8.9	59724	502	.059	.063	-6.3
58737	501	.094	.102	-7.8	59189	502	.610	.660	-7.6	59725	501	.056	.061	-8.2

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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
59725	502	.073	.079	-7.6	59892	501	.088	.097	-9.3	59970	502	.144	.160	-10.0
59726	501	.041	.044	-6.8	59892	502	.159	.175	-9.1	59973	501	.115	.125	-8.0
59726	502	.053	.057	-7.0	59904	501	.059	.065	-9.2	59973	502	.150	.161	-6.8
59738	501	.130	.141	-7.8	59904	502	.107	.118	-9.3	59975	501	.112	.123	-8.9
59738	502	.170	.182	-6.6	59905	501	.071	.077	-7.8	59975	502	.202	.223	-9.4
59750	501	.069	.077	-10.4	59905	502	.092	.099	-7.1	59977	501	.064	.070	-8.6
59750	502	.126	.139	-9.4	59914	501	.420	.450	-6.7	59977	502	.115	.128	-10.2
59751	501	.025	.028	-10.7	59914	502	.540	.580	-6.9	59984	501	.031	.034	-8.8
59751	502	.045	.050	-10.0	59915	501	.197	.217	-9.2	59984	502	.041	.044	-6.8
59773	501	.022	.024	-8.3	59915	502	.360	.390	-7.7	59985	501	.123	.134	-8.2
59773	502	.026	.029	-10.3	59917	501	.036	.040	-10.0	59985	502	.161	.173	-6.9
59774	501	.018	.020	-10.0	59917	502	.066	.073	-9.6	59986	501	.094	.102	-7.8
59774	502	.022	.024	-8.3	59923	501	.010	.011	-9.1	59986	502	.123	.132	-6.8
59775	501	.023	.025	-8.0	59923	502	.013	.014	-7.1	59988	501	.028	.031	-9.7
59775	502	.028	.030	-6.7	59925	501	.380	.400	-5.0	59988	502	.052	.057	-8.8
59781	501	.060	.067	-10.4	59925	502	.360	.380	-5.3	59989	501	.016	.018	-11.1
59781	502	.109	.121	-9.9	59926	501	.330	.340	-2.9	59989	502	.021	.023	-8.7
59782	501	.090	.099	-9.1	59926	502	.300	.320	-6.3	60010	501	17.800	18.900	-5.8
59782	502	.163	.180	-9.4	59927	501	.218	.230	-5.2	60010	502	9.290	9.350	-0.6
59783	501	.088	.097	-9.3	59927	502	.203	.215	-5.6	60011	501	20.500	21.700	-5.5
59783	502	.159	.175	-9.1	59931	501	.187	.202	-7.4	60011	502	10.700	10.800	-0.9
59784	501	.067	.074	-9.5	59931	502	.243	.260	-6.5	60012	501	33.700	35.700	-5.6
59784	502	.122	.134	-9.0	59932	501	.201	.218	-7.8	60012	502	17.600	17.700	-0.6
59790	501	.100	.109	-8.3	59932	502	.260	.280	-7.1	60013	501	28.900	30.600	-5.6
59790	502	.131	.141	-7.1	59941	501	.063	.068	-7.4	60013	502	15.100	15.100	0.0
59798	501	.229	.250	-8.4	59941	502	.082	.088	-6.8	60015	501	21.600	22.900	-5.7
59798	502	.410	.460	-10.9	59947	501	.059	.065	-9.2	60015	502	11.200	11.300	-0.9
59806	501	.164	.181	-9.4	59947	502	.107	.118	-9.3	60016	501	24.300	25.700	-5.4
59806	502	.300	.330	-9.1	59955	501	.024	.026	-7.7	60016	502	12.600	12.700	-0.8
59867	501	.113	.122	-7.4	59955	502	.031	.034	-8.8	60035	501	40.600	41.700	-2.6
59867	502	.147	.158	-7.0	59963	501	.178	.193	-7.8	60035	502	23.200	22.600	2.7
59886	501	.015	.017	-11.8	59963	502	.232	.250	-7.2	61000	501	17.700	18.700	-5.3
59886	502	.020	.021	-4.8	59964	501	.420	.450	-6.7	61000	502	9.200	9.260	-0.6
59889	501	.073	.079	-7.6	59964	502	.540	.590	-8.5	61212	501	21.800	22.400	-2.7
59889	502	.086	.094	-8.5	59970	501	.080	.088	-9.1	61212	502	12.500	12.200	2.5

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61216	501	24.200	24.900	-2.8	63216	502	23.400	22.900	2.2	67635	501	32.700	33.700	-3.0
61216	502	13.800	13.500	2.2	63217	501	28.800	29.200	-1.4	67635	502	18.700	18.300	2.2
61217	501	22.000	22.700	-3.1	63217	502	22.400	21.600	3.7	68001	501	99.900	103.000	-3.0
61217	502	12.600	12.300	2.4	63218	501	9.680	9.820	-1.4	68001	502	57.100	55.700	2.5
61218	501	15.100	15.500	-2.6	63218	502	7.560	7.280	3.8	68439	501	128.000	132.000	-3.0
61218	502	8.600	8.400	2.4	64074	501	16.900	17.500	-3.4	68439	502	73.400	71.700	2.4
61223	501	102.000	105.000	-2.9	64074	502	12.800	12.600	1.6	68500	501	3.920	4.160	-5.8
61223	502	58.100	56.700	2.5	64075	501	11.900	12.300	-3.3	68500	502	2.040	2.060	-1.0
61224	501	36.000	37.000	-2.7	64075	502	8.990	8.850	1.6	68604	501	2.400	2.470	-2.8
61224	502	20.600	20.100	2.5	65007	501	36.000	37.000	-2.7	68604	502	1.370	1.340	2.2
61225	501	50.000	51.400	-2.7	65007	502	20.600	20.100	2.5	68606	501	9.380	9.650	-2.8
61225	502	28.600	27.900	2.5	66122	501	15.500	15.900	-2.5	68606	502	5.360	5.230	2.5
61226	501	79.600	81.900	-2.8	66122	502	8.850	8.640	2.4	68607	501	7.420	7.630	-2.8
61226	502	45.500	44.400	2.5	66123	501	8.510	8.750	-2.7	68607	502	4.240	4.140	2.4
61227	501	72.900	75.000	-2.8	66123	502	4.860	4.750	2.3	68702	501	6.110	6.280	-2.7
61227	502	41.600	40.600	2.5	66309	501	24.900	25.600	-2.7	68702	502	3.490	3.410	2.3
62000	501	16.600	17.100	-2.9	66309	502	14.200	13.900	2.2	68703	501	4.580	4.710	-2.8
62000	502	9.480	9.250	2.5	66561	501	57.600	59.300	-2.9	68703	502	2.620	2.560	2.3
62001	501	12.400	12.800	-3.1	66561	502	32.900	32.100	2.5	68706	501	19.600	20.200	-3.0
62001	502	7.110	6.940	2.4	67017	501	53.400	55.000	-2.9	68706	502	11.200	11.000	1.8
62002	501	5.670	5.840	-2.9	67017	502	30.500	29.800	2.3	68707	501	19.400	20.000	-3.0
62002	502	3.240	3.160	2.5	67508	501	25.200	26.600	-5.3	68707	502	11.100	10.800	2.8
62003	501	17.900	18.400	-2.7	67508	502	17.400	17.400	0.0	90089	501	3.640	3.800	-4.2
62003	502	10.200	9.980	2.2	67509	501	18.500	19.500	-5.1	90089	502	3.640	3.800	-4.2
63010	501	32.100	34.000	-5.6	67509	502	12.800	12.800	0.0	91111	501	2.870	2.940	-2.4
63010	502	16.700	16.800	-0.6	67510	501	10.300	10.900	-5.5	91111	502	2.870	2.940	-2.4
63011	501	40.100	42.500	-5.6	67510	502	7.100	7.110	-0.1	91125	501	2.190	2.290	-4.4
63011	502	20.900	21.000	-0.5	67511	501	11.200	11.700	-4.3	91125	502	2.190	2.290	-4.4
63012	501	57.100	60.500	-5.6	67511	502	7.680	7.690	-0.1	91127	501	1.930	1.980	-2.5
63012	502	29.700	29.900	-0.7	67512	501	47.800	50.300	-5.0	91127	502	1.930	1.980	-2.5
63013	501	54.000	57.300	-5.8	67512	502	32.900	32.900	0.0	91130	501	1.180	1.280	-7.8
63013	502	28.200	28.300	-0.4	67513	501	30.300	31.900	-5.0	91130	502	1.180	1.280	-7.8
63215	501	59.100	60.800	-2.8	67513	502	20.900	20.900	0.0	91135	501	.330	.360	-8.3
63215	502	33.800	33.000	2.4	67634	501	46.200	47.600	-2.9	91135	502	.330	.360	-8.3
63216	501	41.000	42.200	-2.8	67634	502	26.400	25.800	2.3	91150	501	1.820	1.870	-2.7

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91150	502	1.820	1.870	-2.7	91343	501	.840	.880	-4.5	91641	502	1.090	1.190	-8.4
91155	501	4.050	4.150	-2.4	91343	502	.840	.880	-4.5	91666	501	.780	.820	-4.9
91155	502	4.050	4.150	-2.4	91405	501	3.960	4.080	-2.9	91666	502	.780	.820	-4.9
91160	501	.880	.920	-4.3	91405	502	3.960	4.080	-2.9	91722	501	3.530	3.840	-8.1
91160	502	.880	.920	-4.3	91436	501	4.300	4.490	-4.2	91722	502	3.530	3.840	-8.1
91175	501	.760	.790	-3.8	91436	502	4.300	4.490	-4.2	91746	501	2.800	2.920	-4.1
91175	502	.760	.790	-3.8	91481	501	15.700	16.400	-4.3	91746	502	2.800	2.920	-4.1
91177	501	3.320	3.460	-4.0	91481	502	15.700	16.400	-4.3	91805	501	.176	.184	-4.3
91177	502	3.320	3.460	-4.0	91507	501	2.310	2.420	-4.5	91805	502	.176	.184	-4.3
91179	501	3.330	3.480	-4.3	91507	502	2.310	2.420	-4.5	92053	501	.430	.450	-4.4
91179	502	3.330	3.480	-4.3	91523	501	35.700	37.300	-4.3	92053	502	.430	.450	-4.4
91190	501	1.790	1.870	-4.3	91523	502	35.700	37.300	-4.3	92054	501	.149	.155	-3.9
91190	502	1.790	1.870	-4.3	91547	501	.203	.212	-4.2	92054	502	.149	.155	-3.9
91200	501	.670	.730	-8.2	91547	502	.203	.212	-4.2	92055	501	4.150	4.340	-4.4
91200	502	.670	.730	-8.2	91551	501	1.260	1.310	-3.8	92055	502	4.150	4.340	-4.4
91235	501	2.230	2.280	-2.2	91551	502	1.260	1.310	-3.8	92101	501	6.490	6.780	-4.3
91235	502	2.230	2.280	-2.2	91555	501	1.340	1.380	-2.9	92101	502	6.490	6.780	-4.3
91250	501	3.350	3.440	-2.6	91555	502	1.340	1.380	-2.9	92102	501	3.910	4.080	-4.2
91250	502	3.350	3.440	-2.6	91560	501	4.210	4.570	-7.9	92102	502	3.910	4.080	-4.2
91265	501	14.400	15.600	-7.7	91560	502	4.210	4.570	-7.9	92215	501	3.190	3.270	-2.4
91265	502	14.400	15.600	-7.7	91562	501	2.800	2.920	-4.1	92215	502	3.190	3.270	-2.4
91266	501	7.610	8.270	-8.0	91562	502	2.800	2.920	-4.1	92338	501	1.500	1.570	-4.5
91266	502	7.610	8.270	-8.0	91577	501	10.000	10.500	-4.8	92338	502	1.500	1.570	-4.5
91302	501	7.710	7.940	-2.9	91577	502	10.000	10.500	-4.8	92445	501	2.310	2.510	-8.0
91302	502	7.710	7.940	-2.9	91580	501	5.550	6.030	-8.0	92445	502	2.310	2.510	-8.0
91315	501	2.340	2.410	-2.9	91580	502	5.550	6.030	-8.0	92446	501	4.940	5.160	-4.3
91315	502	2.340	2.410	-2.9	91590	501	2.910	3.040	-4.3	92446	502	4.940	5.160	-4.3
91324	501	5.210	5.370	-3.0	91590	502	2.910	3.040	-4.3	92447	501	4.320	4.510	-4.2
91324	502	5.210	5.370	-3.0	91606	501	11.500	12.500	-8.0	92447	502	4.320	4.510	-4.2
91340	501	3.400	3.510	-3.1	91606	502	11.500	12.500	-8.0	92451	501	2.230	2.280	-2.2
91340	502	3.400	3.510	-3.1	91629	501	2.360	2.560	-7.8	92451	502	2.230	2.280	-2.2
91341	501	3.800	3.970	-4.3	91629	502	2.360	2.560	-7.8	92453	501	2.730	2.850	-4.2
91341	502	3.800	3.970	-4.3	91636	501	4.040	4.390	-8.0	92453	502	2.730	2.850	-4.2
91342	501	3.120	3.220	-3.1	91636	502	4.040	4.390	-8.0	92478	501	1.350	1.410	-4.3
91342	502	3.120	3.220	-3.1	91641	501	1.090	1.190	-8.4	92478	502	1.350	1.410	-4.3

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92593	501	29.200	30.000	-2.7	95357	502	1.180	1.280	-7.8	97050	501	1.840	1.900	-3.2
92593	502	29.200	30.000	-2.7	95410	501	3.730	3.900	-4.4	97050	502	1.840	1.900	-3.2
92663	501	.550	.590	-6.8	95410	502	3.730	3.900	-4.4	97111	501	4.470	4.660	-4.1
92663	502	.550	.590	-6.8	95455	501	4.880	5.300	-7.9	97111	502	4.470	4.660	-4.1
94007	501	9.270	9.680	-4.2	95455	502	4.880	5.300	-7.9	97220	501	.320	.340	-5.9
94007	502	9.270	9.680	-4.2	95487	501	2.000	2.090	-4.3	97220	502	.320	.340	-5.9
94099	501	2.110	2.200	-4.1	95487	502	2.000	2.090	-4.3	97222	501	1.470	1.510	-2.6
94099	502	2.110	2.200	-4.1	95505	501	2.270	2.470	-8.1	97222	502	1.470	1.510	-2.6
94225	501	7.430	7.760	-4.3	95505	502	2.270	2.470	-8.1	97223	501	2.230	2.280	-2.2
94225	502	7.430	7.760	-4.3	95620	501	1.620	1.700	-4.7	97223	502	2.230	2.280	-2.2
94276	501	3.870	4.040	-4.2	95620	502	1.620	1.700	-4.7	97308	501	.590	.640	-7.8
94276	502	3.870	4.040	-4.2	95625	501	3.680	3.800	-3.2	97308	502	.590	.640	-7.8
94304	501	2.840	2.920	-2.7	95625	502	3.680	3.800	-3.2	97447	501	1.940	2.100	-7.6
94304	502	2.840	2.920	-2.7	95647	501	2.680	2.750	-2.5	97447	502	1.940	2.100	-7.6
94381	501	5.340	5.470	-2.4	95647	502	2.680	2.750	-2.5	97650	501	3.090	3.220	-4.0
94381	502	5.340	5.470	-2.4	96053	501	2.040	2.090	-2.4	97650	502	3.090	3.220	-4.0
94404	501	3.670	3.830	-4.2	96053	502	2.040	2.090	-2.4	97651	501	5.720	6.220	-8.0
94404	502	3.670	3.830	-4.2	96317	501	1.220	1.330	-8.3	97651	502	5.720	6.220	-8.0
94569	501	2.480	2.590	-4.2	96317	502	1.220	1.330	-8.3	97652	501	4.960	5.390	-8.0
94569	502	2.480	2.590	-4.2	96408	501	3.230	3.380	-4.4	97652	502	4.960	5.390	-8.0
94590	501	10.700	11.100	-3.6	96408	502	3.230	3.380	-4.4	97653	501	2.640	2.760	-4.3
94590	502	10.700	11.100	-3.6	96409	501	2.990	3.120	-4.2	97653	502	2.640	2.760	-4.3
94617	501	3.370	3.520	-4.3	96409	502	2.990	3.120	-4.2	97654	501	4.600	4.800	-4.2
94617	502	3.370	3.520	-4.3	96410	501	2.630	2.740	-4.0	97654	502	4.600	4.800	-4.2
95124	501	1.240	1.300	-4.6	96410	502	2.630	2.740	-4.0	97655	501	4.420	4.800	-7.9
95124	502	1.240	1.300	-4.6	96611	501	.780	.800	-2.5	97655	502	4.420	4.800	-7.9
95233	501	2.670	2.780	-4.0	96611	502	.780	.800	-2.5	98002	501	.800	.870	-8.0
95233	502	2.670	2.780	-4.0	96702	501	3.720	3.890	-4.4	98002	502	.800	.870	-8.0
95305	501	2.900	3.020	-4.0	96702	502	3.720	3.890	-4.4	98003	501	.830	.860	-3.5
95305	502	2.900	3.020	-4.0	96816	501	3.490	3.650	-4.4	98003	502	.830	.860	-3.5
95306	501	4.630	5.030	-8.0	96816	502	3.490	3.650	-4.4	98090	501	.111	.116	-4.3
95306	502	4.630	5.030	-8.0	96872	501	4.330	4.710	-8.1	98090	502	.111	.116	-4.3
95310	501	6.910	7.220	-4.3	96872	502	4.330	4.710	-8.1	98091	501	.120	.126	-4.8
95310	502	6.910	7.220	-4.3	97047	501	2.370	2.440	-2.9	98091	502	.120	.126	-4.8
95357	501	1.180	1.280	-7.8	97047	502	2.370	2.440	-2.9	98092	501	.370	.380	-2.6

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98092	502	.370	.380	-2.6	98308	501	.960	1.000	-4.0	98555	502	2.110	2.200	-4.1
98111	501	.560	.580	-3.4	98308	502	.960	1.000	-4.0	98597	501	.470	.490	-4.1
98111	502	.560	.580	-3.4	98309	501	5.050	5.490	-8.0	98597	502	.470	.490	-4.1
98152	501	2.690	2.930	-8.2	98309	502	5.050	5.490	-8.0	98598	501	.162	.170	-4.7
98152	502	2.690	2.930	-8.2	98344	501	.530	.550	-3.6	98598	502	.162	.170	-4.7
98153	501	3.030	3.290	-7.9	98344	502	.530	.550	-3.6	98601	501	5.430	5.670	-4.2
98153	502	3.030	3.290	-7.9	98405	501	.870	.900	-3.3	98601	502	5.430	5.670	-4.2
98154	501	3.580	3.890	-8.0	98405	502	.870	.900	-3.3	98624	501	.850	.890	-4.5
98154	502	3.580	3.890	-8.0	98413	501	12.200	12.700	-3.9	98624	502	.850	.890	-4.5
98155	501	5.010	5.440	-7.9	98413	502	12.200	12.700	-3.9	98636	501	2.740	2.810	-2.5
98155	502	5.010	5.440	-7.9	98414	501	11.100	11.600	-4.3	98636	502	2.740	2.810	-2.5
98157	501	3.200	3.470	-7.8	98414	502	11.100	11.600	-4.3	98640	501	93.600	97.700	-4.2
98157	502	3.200	3.470	-7.8	98415	501	1.460	1.530	-4.6	98640	502	93.600	97.700	-4.2
98159	501	2.150	2.330	-7.7	98415	502	1.460	1.530	-4.6	98658	501	5.170	5.620	-8.0
98159	502	2.150	2.330	-7.7	98423	501	3.480	3.630	-4.1	98658	502	5.170	5.620	-8.0
98160	501	4.540	4.940	-8.1	98423	502	3.480	3.630	-4.1	98659	501	.930	1.010	-7.9
98160	502	4.540	4.940	-8.1	98424	501	5.900	6.160	-4.2	98659	502	.930	1.010	-7.9
98161	501	5.090	5.530	-8.0	98424	502	5.900	6.160	-4.2	98677	501	14.700	15.400	-4.5
98161	502	5.090	5.530	-8.0	98425	501	2.420	2.530	-4.3	98677	502	14.700	15.400	-4.5
98163	501	5.340	5.810	-8.1	98425	502	2.420	2.530	-4.3	98678	501	13.100	13.700	-4.4
98163	502	5.340	5.810	-8.1	98426	501	2.140	2.230	-4.0	98678	502	13.100	13.700	-4.4
98164	501	1.880	1.930	-2.6	98426	502	2.140	2.230	-4.0	98699	501	4.260	4.450	-4.3
98164	502	1.880	1.930	-2.6	98427	501	2.080	2.180	-4.6	98699	502	4.260	4.450	-4.3
98257	501	1.240	1.300	-4.6	98427	502	2.080	2.180	-4.6	98705	501	7.320	7.950	-7.9
98257	502	1.240	1.300	-4.6	98429	501	1.050	1.140	-7.9	98705	502	7.320	7.950	-7.9
98303	501	10.100	10.900	-7.3	98429	502	1.050	1.140	-7.9	98710	501	2.960	3.090	-4.2
98303	502	10.100	10.900	-7.3	98449	501	2.990	3.120	-4.2	98710	502	2.960	3.090	-4.2
98304	501	4.610	4.820	-4.4	98449	502	2.990	3.120	-4.2	98751	501	3.910	4.250	-8.0
98304	502	4.610	4.820	-4.4	98482	501	3.210	3.350	-4.2	98751	502	3.910	4.250	-8.0
98305	501	1.900	1.960	-3.1	98482	502	3.210	3.350	-4.2	98805	501	3.870	4.040	-4.2
98305	502	1.900	1.960	-3.1	98483	501	4.740	4.950	-4.2	98805	502	3.870	4.040	-4.2
98306	501	4.900	5.050	-3.0	98483	502	4.740	4.950	-4.2	98806	501	2.550	2.610	-2.3
98306	502	4.900	5.050	-3.0	98502	501	4.530	4.730	-4.2	98806	502	2.550	2.610	-2.3
98307	501	1.460	1.530	-4.6	98502	502	4.530	4.730	-4.2	98810	501	2.680	2.770	-3.2
98307	502	1.460	1.530	-4.6	98555	501	2.110	2.200	-4.1	98810	502	2.680	2.770	-3.2

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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
98813	501	2.590	2.670	-3.0	99310	502	2.950	3.080	-4.2	99746	501	2.020	2.110	-4.3
98813	502	2.590	2.670	-3.0	99315	501	8.670	9.060	-4.3	99746	502	2.020	2.110	-4.3
98820	501	7.390	7.710	-4.2	99315	502	8.670	9.060	-4.3	99760	501	.230	.240	-4.2
98820	502	7.390	7.710	-4.2	99321	501	8.420	8.790	-4.2	99760	502	.230	.240	-4.2
98884	501	1.920	2.010	-4.5	99321	502	8.420	8.790	-4.2	99777	501	4.650	4.790	-2.9
98884	502	1.920	2.010	-4.5	99471	501	.630	.690	-8.7	99777	502	4.650	4.790	-2.9
98914	501	.630	.690	-8.7	99471	502	.630	.690	-8.7	99793	501	2.560	2.670	-4.1
98914	502	.630	.690	-8.7	99505	501	4.420	4.540	-2.6	99793	502	2.560	2.670	-4.1
98949	501	.880	.960	-8.3	99505	502	4.420	4.540	-2.6	99826	501	.530	.550	-3.6
98949	502	.880	.960	-8.3	99506	501	5.440	5.580	-2.5	99826	502	.530	.550	-3.6
98967	501	3.020	3.150	-4.1	99506	502	5.440	5.580	-2.5	99827	501	.370	.380	-2.6
98967	502	3.020	3.150	-4.1	99507	501	4.750	4.870	-2.5	99827	502	.370	.380	-2.6
98993	501	5.230	5.360	-2.4	99507	502	4.750	4.870	-2.5	99851	501	1.490	1.550	-3.9
98993	502	5.230	5.360	-2.4	99570	501	2.550	2.610	-2.3	99851	502	1.490	1.550	-3.9
99003	501	1.430	1.500	-4.7	99570	502	2.550	2.610	-2.3	99917	501	2.410	2.520	-4.4
99003	502	1.430	1.500	-4.7	99571	501	.620	.630	-1.6	99917	502	2.410	2.520	-4.4
99004	501	2.150	2.220	-3.2	99571	502	.620	.630	-1.6	99938	501	2.710	2.830	-4.2
99004	502	2.150	2.220	-3.2	99572	501	1.210	1.240	-2.4	99938	502	2.710	2.830	-4.2
99080	501	1.010	1.060	-4.7	99572	502	1.210	1.240	-2.4	99943	501	7.850	8.200	-4.3
99080	502	1.010	1.060	-4.7	99573	501	1.150	1.180	-2.5	99943	502	7.850	8.200	-4.3
99111	501	1.470	1.540	-4.5	99573	502	1.150	1.180	-2.5	99946	501	5.850	6.100	-4.1
99111	502	1.470	1.540	-4.5	99600	501	.940	.960	-2.1	99946	502	5.850	6.100	-4.1
99163	501	3.520	3.670	-4.1	99600	502	.940	.960	-2.1	99948	501	6.300	6.460	-2.5
99163	502	3.520	3.670	-4.1	99613	501	7.460	7.790	-4.2	99948	502	6.300	6.460	-2.5
99165	501	.770	.810	-4.9	99613	502	7.460	7.790	-4.2	99952	501	3.930	4.050	-3.0
99165	502	.770	.810	-4.9	99614	501	2.090	2.160	-3.2	99952	502	3.930	4.050	-3.0
99220	501	1.390	1.510	-7.9	99614	502	2.090	2.160	-3.2	99953	501	4.240	4.370	-3.0
99220	502	1.390	1.510	-7.9	99620	501	.410	.420	-2.4	99953	502	4.240	4.370	-3.0
99222	501	2.610	2.830	-7.8	99620	502	.410	.420	-2.4	99954	501	3.090	3.180	-2.8
99222	502	2.610	2.830	-7.8	99650	501	1.210	1.240	-2.4	99954	502	3.090	3.180	-2.8
99223	501	.216	.226	-4.4	99650	502	1.210	1.240	-2.4	99955	501	3.870	3.990	-3.0
99223	502	.216	.226	-4.4	99709	501	2.980	3.050	-2.3	99955	502	3.870	3.990	-3.0
99303	501	11.800	12.300	-4.1	99709	502	2.980	3.050	-2.3	99963	501	.580	.610	-4.9
99303	502	11.800	12.300	-4.1	99718	501	1.190	1.240	-4.0	99963	502	.580	.610	-4.9
99310	501	2.950	3.080	-4.2	99718	502	1.190	1.240	-4.0	99969	501	2.520	2.740	-8.0

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
99969	502	2.520	2.740	-8.0										
99975	501	3.430	3.540	-3.1										
99975	502	3.430	3.540	-3.1										
99988	501	2.230	2.420	-7.9										
99988	502	2.230	2.420	-7.9										

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LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	.224	.250	-10.4	11259	.227	.360	-36.9 L	13759	.174	.260	-33.1
10026	.021	.024	-12.5	11288	.087	.122	-28.7	13930	.205	.201	2.0
10040	.300	.310	-3.2	12014	.043	.067	-35.8 L	14068	.018	.020	-10.0
10042	.480	.510	-5.9	12356	.030	.043	-30.2	14101	.038	.049	-22.4
10060	.086	.118	-27.1	12361	.091	.095	-4.2	14279	.075	.118	-36.4 L
10065	.036	.056	-35.7	12373	.031	.036	-13.9	14401	.142	.211	-32.7
10066	.067	.066	1.5	12374	.070	.111	-36.9 L	14527	.202	.206	-1.9
10070	.141	.143	-1.4	12375	.059	.093	-36.6 L	14855	.200	.217	-7.8
10071	.095	.120	-20.8	12391	.100	.107	-6.5	14913	.145	.168	-13.7
10073	.550	.660	-16.7	12509	.047	.052	-9.6	15223	.035	.040	-12.5
10075	.183	.250	-26.8	12510	.032	.045	-28.9	15224	.073	.101	-27.7
10100	.052	.082	-36.6 L	12651	.560	.590	-5.1	15406	.047	.050	-6.0
10101	.191	.198	-3.5	12707	.790	.790	0.0	15538	.019	.028	-32.1
10107	.209	.300	-30.3	12797	.168	.176	-4.5	15600	.102	.142	-28.2
10111	.098	.106	-7.5	12805	.131	.140	-6.4	15608	.012	.016	-25.0
10115	.082	.119	-31.1	13049	.058	.063	-7.9	15733	.044	.052	-15.4
10140	.020	.022	-9.1	13111	.113	.141	-19.9	15839	.028	.042	-33.3
10141	.022	.025	-12.0	13112	.083	.070	18.6	15991	.083	.117	-29.1
10145	.012	.018	-33.3 L	13201	.201	.221	-9.0	15993	.051	.058	-12.1
10146	.019	.030	-36.7 L	13204	1.240	1.130	9.7	16005	.040	.042	-4.8
10255	.152	.177	-14.1	13205	.450	.440	2.3	16009	.073	.059	23.7 U
10256	.158	.162	-2.5	13314	.020	.022	-9.1	16403	.129	.203	-36.5
10257	.187	.196	-4.6	13351	.042	.042	0.0	16527	.420	.430	-2.3
10309	.021	.031	-32.3	13352	.054	.074	-27.0	16604	.212	.290	-26.9
10352	.088	.139	-36.7 L	13410	2.550	2.670	-4.5	16676	.015	.020	-25.0
11020	.150	.120	25.0 U	13412	1.110	1.040	6.7	16705	.173	.188	-8.0
11039	.068	.091	-25.3	13506	.083	.104	-20.2	16750	.041	.045	-8.9
11126	.024	.026	-7.7	13507	.194	.250	-22.4	16900	.142	.202	-29.7
11127	.011	.016	-31.3 L	13590	.770	.850	-9.4	16901	.166	.180	-7.8
11128	.072	.080	-10.0	13621	.420	.440	-4.5	16902	.080	.126	-36.5 L
11203	.650	.720	-9.7	13670	.013	.015	-13.3	16905	.142	.202	-29.7
11204	1.790	2.080	-13.9	13673	.013	.016	-18.8	16906	.166	.180	-7.8
11234	.071	.102	-30.4	13715	.151	.153	-1.3	16910	.068	.093	-26.9
11248	.022	.024	-8.3	13716	.138	.179	-22.9	16911	.071	.098	-27.6
11258	.340	.530	-35.8 L	13720	.069	.108	-36.1 L	16915	.065	.085	-23.5

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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	.075	.115	-34.8	51116	.550	.590	-6.8	51666	.127	.102	24.5 U
16920	.129	.186	-30.6	51205	.111	.135	-17.8	51734	.360	.420	-14.3
16921	.065	.103	-36.9 L	51206	.610	.750	-18.7	51741	.280	.320	-12.5
16930	.194	.244	-20.5	51220	3.250	3.240	0.3	51752	.199	.250	-20.4
16931	.091	.143	-36.4 L	51221	2.440	2.400	1.7	51767	.012	.016	-25.0 L
16940	.065	.103	-36.9 L	51222	3.380	3.280	3.0	51777	.084	.097	-13.4
16941	.140	.221	-36.7 L	51224	1.190	1.220	-2.5	51808	.760	.800	-5.0
18078	.170	.165	3.0	51230	.880	.960	-8.3	51809	.184	.216	-14.8
18109	.037	.050	-26.0	51240	.213	.250	-14.8	51833	.103	.142	-27.5 L
18110	.045	.070	-35.7 L	51241	.340	.360	-5.6	51869	.190	.241	-21.2
18205	.360	.380	-5.3	51252	.110	.141	-22.0	51877	.260	.300	-13.3
18206	.092	.107	-14.0	51254	.060	.073	-17.8	51889	.020	.027	-25.9 L
18335	.019	.028	-32.1	51300	.209	.260	-19.6	51896	.023	.028	-17.9
18435	.053	.069	-23.2	51305	1.230	1.510	-18.5	51900	.105	.120	-12.5
18436	.234	.370	-36.8 L	51315	.116	.139	-16.5	51909	.066	.076	-13.2
18501	.016	.025	-36.0	51330	.430	.490	-12.2	51926	.049	.054	-9.3
18506	.006	.008	-25.0	51333	.340	.330	3.0	51927	.126	.157	-19.7
18507	.009	.012	-25.0	51350	.177	.214	-17.3	51934	.178	.228	-21.9
18616	.610	.670	-9.0	51351	.054	.066	-18.2	51941	.045	.044	2.3
18707	.003	.003	0.0 U	51352	.138	.179	-22.9	51956	.300	.340	-11.8
18708	.012	.015	-20.0	51355	.116	.141	-17.7	51957	.420	.410	2.4
18834	.132	.185	-28.6	51356	.850	1.050	-19.0	51958	.390	.530	-26.4
18911	.019	.027	-29.6	51357	.430	.540	-20.4	51960	.420	.490	-14.3
18912	.033	.041	-19.5	51358	.175	.211	-17.1	51970	.250	.247	1.2
18920	.020	.028	-28.6	51359	1.010	1.160	-12.9	51982	.099	.116	-14.7
45771	.220	.220	0.0	51370	6.020	6.570	-8.4	51986	.128	.155	-17.4
45819	.048	.075	-36.0 L	51380	.072	.088	-18.2	51999	.540	.630	-14.3
45900	.067	.106	-36.8 L	51500	.125	.149	-16.1	52002	.112	.126	-11.1
45901	.060	.065	-7.7	51550	.410	.480	-14.6	52075	.290	.340	-14.7
49239	.830	.990	-16.2	51551	1.060	1.140	-7.0	52134	.750	.760	-1.3
49617	.221	.260	-15.0	51552	.169	.173	-2.3	52315	.270	.290	-6.9
49618	.055	.075	-26.7	51575	.028	.035	-20.0	52433	1.460	1.660	-12.0
49619	.093	.107	-13.1	51576	.100	.138	-27.5 L	52469	.100	.096	4.2
50010	.820	1.060	-22.6	51600	.232	.290	-20.0	52505	.224	.250	-10.4
51001	.530	.620	-14.5	51613	.200	.270	-25.9	52547	.093	.099	-6.1

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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	5.330	7.390	-27.9 L	56391	.360	.420	-14.3	58397	.970	.990	-2.0
52744	.126	.117	7.7	56427	.146	.172	-15.1	58503	.077	.071	8.5
52911	.680	.770	-11.7	56488	.039	.039	0.0	58575	.143	.167	-14.4
52967	.074	.085	-12.9	56690	.420	.490	-14.3	58627	.022	.030	-26.7 L
53001	.380	.440	-13.6	56699	.051	.062	-17.7	58663	1.870	1.710	9.4
53077	.248	.280	-11.4	56758	.178	.214	-16.8	58737	1.010	.990	2.0
53121	.540	.650	-16.9	56759	.118	.144	-18.1	58802	.500	.570	-12.3
53333	.238	.250	-4.8	56760	.127	.147	-13.6	58837	.132	.153	-13.7
53374	.450	.470	-4.3	56912	.105	.084	25.0 U	58840	.128	.149	-14.1
53375	.244	.250	-2.4	56916	.196	.260	-24.6	58873	.034	.038	-10.5
53376	.212	.238	-10.9	57001	.021	.023	-8.7	58904	.152	.177	-14.1
53377	.270	.330	-18.2	57002	.130	.161	-19.3	58922	.241	.227	6.2
53565	.158	.207	-23.7	57090	.710	.820	-13.4	59005	.108	.137	-21.2
53631	.025	.029	-13.8	57146	.730	.860	-15.1	59188	.065	.075	-13.3
53632	.040	.046	-13.0	57257	.050	.040	25.0 U	59189	.350	.410	-14.6
53732	.600	.700	-14.3	57401	.113	.131	-13.7	59223	.087	.099	-12.1
53733	.260	.290	-10.3	57403	.041	.048	-14.6	59257	.021	.028	-25.0 L
53907	.139	.155	-10.3	57410	.188	.260	-27.7 L	59378	.175	.203	-13.8
54077	.390	.350	11.4	57572	.107	.118	-9.3	59481	.101	.121	-16.5
55010	1.250	1.370	-8.8	57600	.039	.047	-17.0	59537	.172	.181	-5.0
55011	1.140	1.290	-11.6	57611	.075	.089	-15.7	59601	3.050	2.720	12.1
55012	1.320	1.440	-8.3	57651	.050	.066	-24.2	59647	.205	.249	-17.7
55013	1.050	1.180	-11.0	57690	.640	.820	-22.0	59660	1.200	1.110	8.1
55214	.103	.119	-13.4	57716	.106	.129	-17.8	59701	.227	.250	-9.2
55371	.158	.200	-21.0	57725	.094	.094	0.0	59713	.370	.400	-7.5
55597	1.990	2.170	-8.3	57726	.019	.022	-13.6	59722	.036	.041	-12.2
55647	.080	.110	-27.3 L	57810	.126	.146	-13.7	59723	.044	.051	-13.7
55715	.270	.320	-15.6	57871	.127	.139	-8.6	59724	.031	.039	-20.5
55716	.590	.610	-3.3	57913	.430	.590	-27.1 L	59725	.103	.117	-12.0
55802	.013	.017	-23.5	57998	.067	.079	-15.2	59726	.026	.028	-7.1
55918	4.300	5.280	-18.6	57999	.081	.093	-12.9	59738	.077	.090	-14.4
55919	4.860	5.900	-17.6	58095	1.950	2.030	-3.9	59750	.280	.310	-9.7
56040	.057	.078	-26.9 L	58096	1.060	1.150	-7.8	59773	.032	.037	-13.5
56202	.126	.159	-20.8	58301	.086	.090	-4.4	59774	.175	.203	-13.8
56390	.620	.620	0.0	58302	.064	.075	-14.7	59775	.211	.230	-8.3

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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	.088	.110	-20.0	91341	4.840	5.290	-8.5	96409	14.800	15.500	-4.5
59782	.690	.910	-24.2	91342	5.050	5.720	-11.7	96410	10.600	13.400	-20.9
59798	.530	.550	-3.6	91343	1.430	1.550	-7.7	96611	1.840	1.890	-2.6
59886	.131	.155	-15.5	91436	2.950	3.840	-23.2	97221	1.350	2.110	-36.0
59889	.169	.198	-14.6	91507	4.740	6.300	-24.8	97222	2.860	3.920	-27.0
59904	.080	.101	-20.8	91551	.840	1.170	-28.2	97223	4.190	4.640	-9.7
59905	.138	.150	-8.0	91555	1.280	1.760	-27.3	97447	5.300	6.260	-15.3
59914	.700	.760	-7.9	91560	6.030	6.540	-7.8	97650	4.920	6.330	-22.3
59915	.880	.970	-9.3	91577	3.450	4.660	-26.0	97651	5.080	6.610	-23.1
59917	.164	.154	6.5	91746	5.370	7.060	-23.9	97652	5.200	6.820	-23.8
59923	.007	.009	-22.2 L	92053	.590	.710	-16.9	97653	3.210	3.710	-13.5
59925	1.060	1.250	-15.2	92054	.300	.420	-28.6	97654	3.540	4.580	-22.7
59926	.490	.590	-16.9	92055	.330	.450	-26.7	97655	6.830	9.100	-24.9
59927	1.710	1.710	0.0	92101	3.240	3.800	-14.7	98002	1.310	1.780	-26.4
59931	.690	.790	-12.7	92102	3.510	4.390	-20.0	98152	.500	.580	-13.8
59932	1.110	1.340	-17.2	92215	4.340	4.820	-10.0	98157	.500	.730	-31.5
59947	.390	.440	-11.4	92338	2.320	2.580	-10.1	98163	.330	.510	-35.3 L
59955	.171	.200	-14.5	92446	2.340	3.060	-23.5	98164	.109	.173	-37.0 L
59963	.540	.670	-19.4	92447	2.050	2.730	-24.9	98303	10.300	11.400	-9.6
59964	.066	.075	-12.0	92451	2.330	2.670	-12.7	98304	4.440	5.130	-13.5
59970	.212	.249	-14.9	92478	2.240	2.590	-13.5	98305	1.890	2.120	-10.8
59975	.237	.230	3.0	94007	6.380	8.650	-26.2	98306	1.200	1.650	-27.3
59984	.064	.072	-11.1	94276	5.910	7.210	-18.0	98307	.710	.950	-25.3
59988	.069	.080	-13.7	94381	21.300	28.100	-24.2	98308	.780	.760	2.6
59989	.052	.060	-13.3	94404	6.970	11.000	-36.6	98309	3.570	4.840	-26.2
91111	6.660	7.680	-13.3	94569	3.250	4.130	-21.3	98344	.720	.870	-17.2
91125	3.700	5.860	-36.9 L	95124	.710	.910	-22.0	98449	28.400	30.300	-6.3
91127	2.000	2.910	-31.3	95310	2.240	3.550	-36.9 L	98482	9.520	11.600	-17.9
91150	6.750	8.160	-17.3	95410	3.520	3.920	-10.2	98483	23.400	27.800	-15.8
91155	46.300	51.100	-9.4	95455	2.080	2.740	-24.1	98502	4.550	5.570	-18.3
91235	3.010	3.940	-23.6	95505	2.680	3.640	-26.4	98636	4.410	5.070	-13.0
91265	4.110	6.510	-36.9 L	95625	3.920	4.730	-17.1	98659	.600	.950	-36.8 L
91266	1.180	1.870	-36.9 L	95647	5.660	6.660	-15.0	98677	12.200	16.500	-26.1
91280	3.760	5.960	-36.9 L	96053	5.950	7.580	-21.5	98678	17.900	23.400	-23.5
91340	10.800	13.100	-17.6	96408	17.300	25.900	-33.2	98805	1.420	1.910	-25.7

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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	3.820	4.940	-22.7								
98813	2.980	3.320	-10.2								
98820	4.590	6.200	-26.0								
98884	1.890	2.460	-23.2								
98914	.890	1.410	-36.9 L								
98949	.520	.810	-35.8 L								
98967	8.770	11.600	-24.4								
98993	5.010	7.360	-31.9								
99003	1.770	1.430	23.8								
99004	2.240	2.720	-17.6								
99080	10.200	10.800	-5.6								
99163	.720	1.130	-36.3 L								
99315	2.090	2.770	-24.5								
99321	3.130	3.920	-20.2								
99613	2.960	3.850	-23.1								
99650	1.070	1.230	-13.0								
99746	3.080	3.990	-22.8								
99803	10.800	16.200	-33.3								
99826	.620	.790	-21.5								
99827	.630	.860	-26.7								
99946	3.610	4.430	-18.5								
99948	33.700	41.300	-18.4								
99952	22.700	24.600	-7.7								
99953	12.800	15.500	-17.4								
99954	14.400	16.300	-11.7								
99955	13.400	21.200	-36.8 L								
99969	3.020	3.470	-13.0								

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

METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

INCURRED  
LOSSES  
& LAE

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

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

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

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

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

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

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

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

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

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

The immature experience reported as of 15 and 27 months for accident years ending 6/30/2017 and 6/30/2016 must be adjusted to an ultimate exposure development basis. This adjustment is accomplished through the use of an exposure development factor. Exposures are assumed to be mature at 39 months. Exposure development factors are based on experience evaluated as of September 30, 2017 for Premises/ Operations and March 31, 2017 for Products/Completed Operations.

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

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

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

The immature experience reported as of 15, 27 and 39 months for accident years ending 6/30/2017, 6/30/2016 and 6/30/2015 must be adjusted to an ultimate settlement basis. This adjustment is accomplished through the use of a loss development factor.

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

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

## EXPLANATION OF LOSS DEVELOPMENT

### APPLICATION OF LOSS DEVELOPMENT FACTORS (Cont'd)

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

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

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

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

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

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

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

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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, 2017 evaluated as of September 30, 2017. If an analogous procedure is used for ALAE, the variability of the experience can lead to unusually high (or low) estimates of ultimate ALAE.

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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.

---

## 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,

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

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### 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.

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

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

## EXPLANATION OF MODIFIED BONDY METHOD

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

Accident Year	171 to 183 Months	183 to 195 Months	195 to 207 Months	207 to 219 Months	219 to 231 Months	231 to 243 Months	243 Months To Ultimate
1992	A	G	L	P	S	U	Z*
1993	B	H	M	Q	T	Y*	
1994	C	I	N	R	X*	Y*	
1995	D	J	O	W*	X*	Y*	
1996	E	K	V*	W*	X*	Y*	
1997	F						
Best 3 out of 5#	BTOF1	BTOF2	BTOF3	BTOF4	BTOF5	BTOF6	

\* Calculated using the Modified Bondy Procedure.

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

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

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

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.

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### 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 6/30/2004-6/30/2017. For Products/Completed Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2003-12/31/2016. The Premises/Operations experience includes occurrences arising from fringe coverages. In this review, multistate number of occurrences contained in the trend exhibits are based on reported paid counts developed to ultimate using paid development factors.

Historically, frequency trend for Premises/Operations and Products/Completed Operations has been quite volatile, often cyclical in nature. As a result, an exponential curve did not fit the data well over a long term. Given the frequency trend pattern, however, we are continuing to select negative frequency trends for Manufacturers and Contractors and Owners, Landlords and Tenants. We have selected a negative frequency trend for Products, while for Local Products/ Completed Operations, we continue to select 0.0% given the limited trend and cyclicity going back to 2003. These selections are consistent with a measured approach toward frequency trend selections, which reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

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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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CALCULATION OF INDICATIONS  
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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
06/30/2015	\$10,981,004	\$9,328,627	0.20	0.850	388
06/30/2016	11,698,019	11,437,971	0.30	0.978	455
06/30/2017	11,995,779	7,900,474	0.50	0.659	395

(7)	WEIGHTED EXPERIENCE RATIO .....	0.793
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C) .....	1.011
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS) .....	0.44
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} } .....	0.915
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100% .....	- 8.5 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	- 10.8 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE .....	- 5.0 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 12/01/2018. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.011). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.011) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (12/01/2018) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (12/01/2019).



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
06/30/2015	\$8,674,462	\$8,756,468	0.20	1.009	484
06/30/2016	9,069,893	8,555,518	0.30	0.943	475
06/30/2017	9,947,791	12,959,505	0.50	1.303	654

(7)	WEIGHTED EXPERIENCE RATIO .....	1.136
(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) .....	0.52
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} } .....	1.081
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100% .....	+ 8.1 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	+ 4.6 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE .....	0.0 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 12/01/2018. 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 (12/01/2018) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (12/01/2019).

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
12/31/2014	\$133,328,352	\$150,998,819	0.20	1.133	2,446
12/31/2015	140,789,345	133,116,024	0.30	0.945	2,245
12/31/2016	148,806,857	132,992,946	0.50	0.894	2,227

(7)	WEIGHTED EXPERIENCE RATIO .....	0.957
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7)-1.00}X 100% .....	- 4.3 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE ..... (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	- 8.0 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C) .....	- 8.2 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....	- 8.2 %

- (A) THESE ARE CALCULATED BY SUMMING OVER THE CLASSES THE PRODUCTS OF MULTISTATE REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND MULTISTATE \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION F - CALCULATION OF AGGREGATE LOSS COSTS AT CURRENT LEVEL.
- (B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2018.
- (C) THE INDICATED STATEWIDE PRODUCTS CHANGE IS CALCULATED BY DETERMINING THE EFFECT, ON STATEWIDE LOSS COST LEVELS, OF IMPLEMENTING THE INDICATED MULTISTATE LOSS COSTS. THE DIFFERENCE BETWEEN THE INDICATED MULTISTATE CHANGE AND THE INDICATED STATEWIDE CHANGE IS A RESULT OF A DIFFERENCE IN THE DISTRIBUTION OF RISKS BY CLASS IN THIS JURISDICTION VERSUS THE MULTISTATE. (SEE SECTION A - PRODUCTS CLASS GROUP LOSS COST LEVEL CHANGE) .

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
12/31/2014	328,333,732	320,317,104	0.20	0.976	6,648
12/31/2015	340,894,232	326,286,236	0.30	0.957	6,297
12/31/2016	356,818,809	291,183,734	0.50	0.816	5,957
(7)	WEIGHTED EXPERIENCE RATIO.....				0.890
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7) - 1.00 } x 100%.....				- 11.0 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....				- 10.4 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (C) (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....				- 16.6 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....				- 16.6 %
(A)	THESE ARE CALCULATED BY SUMMING OVER THE STATES THE PRODUCTS OF STATE- REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND STATE \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION G - CALCULATION OF AGGREGATE LOSS COSTS AT CURRENT LEVEL.				
(B)	INCLUDING ALL LOSS ADJUSTMENT EXPENSE AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2018				
(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 0.915 OR - 8.5%	
TOP						
10	0.869	0.194	0.973	0.975		
33	1.758	0.042	1.024	1.026		
34	1.426	0.076	1.027	1.029		
35	0.614	0.018	0.991	0.993		
36	0.837	0.119	0.979	0.981		
37	1.302	0.108	1.029	1.031		
38	1.050	0.208	1.010	1.012		
					(5) INDICATED MONOLINE CHANGE	(6) SELECTED MONOLINE CHANGE
CLASS GROUP						
30	1.648	0.089	1.045	1.041	- 7.1%	- 1.1%
31	1.283	0.156	1.040	1.035	- 7.7%	- 1.7%
32	1.133	0.214	1.027	1.022	- 8.8%	- 2.9%
33	0.850	0.075	0.988	0.983	- 12.3%	- 6.6%
34	0.776	0.112	0.972	0.967	- 13.7%	- 8.1%
35	0.239	0.042	0.942	0.937	- 16.4%	- 11.0%
36	0.559	0.074	0.958	0.953	- 14.9%	- 9.4%
37	0.217	0.047	0.931	0.926	- 17.3%	- 11.9%
38	1.121	0.096	1.011	1.006	- 10.2%	- 4.4%
					OVERALL MONOLINE INDICATION - 10.8%	- 5.0%

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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  
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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	30 SERVICE	\$187,057	\$665,513	1.922	2.108	27	1.015
	31 LIGHT CONTRACTING	702,242	3,282,513	0.646	0.708	159	1.009
	32 MEDIUM CONTRCTING	1,958,048	9,175,869	0.937	1.027	343	0.997
	33 HEAVY CONTRACTING	313,792	1,342,610	0.547	0.600	29	0.959
	34 DEALER OR DISTRIB	205,549	855,822	1.440	1.579	46	0.943
	35 LGT. MANUFACTURER	163,227	571,656	0.038	0.041	8	0.914
	36 MED. MANUFACTURER	170,235	1,033,762	0.382	0.418	10	0.930
	37 HVY. MANUFACTURER	415,103	1,358,300	0.164	0.180	9	0.903
	38 MISC. OPERATION	326,399	1,495,444	0.825	0.904	49	0.981
	TOTAL *	\$4,441,652	\$19,781,489	0.793		680	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$21,606	\$91,580	0.000	0.000	0	1.062
	32 MEDIUM CONTRCTING	1,784	8,781	0.000	0.000	0	1.049
	33 HEAVY CONTRACTING	62,751	296,172	1.237	1.356	15	1.009
	38 MISC. OPERATION	108,023	364,815	2.314	2.536	17	1.033
	TOTAL *	\$194,164	\$761,348	1.687		32	
34 MULT MERCANTILE	30 SERVICE	\$26,707	\$137,063	5.475	6.002	7	1.071
	32 MEDIUM CONTRCTING	30,006	117,035	0.559	0.613	10	1.052
	34 DEALER OR DISTRIB	458,960	2,433,191	0.877	0.961	78	0.996
	36 MED. MANUFACTURER	17,930	91,530	0.000	0.000	0	0.981
	38 MISC. OPERATION	43,985	178,734	1.745	1.913	11	1.036
	TOTAL *	\$577,588	\$2,957,553	1.112		106	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$1,288	\$6,988	10.268	11.257	2	1.028
	32 MEDIUM CONTRCTING	32,288	192,565	0.254	0.278	4	1.015
	TOTAL *	\$33,576	\$199,553	0.638		6	
36 MULT SERVICES	30 SERVICE	\$20,549	\$120,966	1.360	1.491	18	1.021
	31 LIGHT CONTRACTING	130,926	670,563	1.617	1.773	47	1.015
	32 MEDIUM CONTRCTING	61,873	340,479	0.641	0.703	8	1.003
	33 HEAVY CONTRACTING	11,833	184,346	0.829	0.908	2	0.965
	34 DEALER OR DISTRIB	569,251	2,068,368	0.462	0.506	95	0.949
	36 MED. MANUFACTURER	23,940	113,737	0.109	0.119	1	0.935
	38 MISC. OPERATION	257,297	992,008	0.887	0.972	88	0.987
	TOTAL *	\$1,075,669	\$4,490,467	0.728		259	

OREGON  
MANUFACTURERS AND CONTRACTORS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 06/30/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	\$520	\$2,171	0.000	0.000	0	1.067
	32 MEDIUM CONTRCTING	589,147	2,921,279	1.152	1.263	52	1.054
	33 HEAVY CONTRACTING	28,293	110,049	4.528	4.964	6	1.014
	34 DEALER OR DISTRIB	44,615	247,370	0.162	0.177	7	0.998
	35 LGT. MANUFACTURER	226,333	962,237	0.393	0.431	25	0.966
	36 MED. MANUFACTURER	690,382	3,039,969	0.710	0.778	89	0.983
	37 HVY. MANUFACTURER	488,080	2,894,260	0.265	0.290	32	0.955
	38 MISC. OPERATION	8,148	40,801	0.147	0.161	2	1.038
	TOTAL *	\$2,075,518	\$10,218,136	0.734		213	
38 MULT CONTRACTORS	30 SERVICE	\$491,626	\$2,193,503	1.159	1.271	92	1.053
	31 LIGHT CONTRACTING	651,360	2,813,949	1.551	1.700	234	1.047
	32 MEDIUM CONTRCTING	1,996,947	9,357,349	1.133	1.242	408	1.035
	33 HEAVY CONTRACTING	486,745	2,276,915	0.703	0.771	51	0.995
	38 MISC. OPERATION	45,778	167,231	0.078	0.085	1	1.019
	TOTAL *	\$3,672,456	\$16,808,947	1.141		786	
TOTAL ALL TOP	30 SERVICE	\$725,939	\$3,117,045	1.520		144	
	31 LIGHT CONTRACTING	1,507,942	6,867,764	1.120		442	
	32 MEDIUM CONTRCTING	4,670,093	22,113,357	1.037		825	
	33 HEAVY CONTRACTING	903,414	4,210,092	0.808		103	
	34 DEALER OR DISTRIB	1,278,375	5,604,751	0.757		226	
	35 LGT. MANUFACTURER	389,560	1,533,893	0.244		33	
	36 MED. MANUFACTURER	902,487	4,278,998	0.618		100	
	37 HVY. MANUFACTURER	903,183	4,252,560	0.219		41	
	38 MISC. OPERATION	789,630	3,239,033	1.050		168	
	TOTAL *	\$12,070,623	\$55,217,493	0.912		2,082	

\* 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 1.081 OR + 8.1%			
TOP								
10	0.786	0.170	0.960	0.964				
31	1.088	0.122	1.010	1.014				
32	1.894	0.096	1.063	1.067				
33	0.923	0.150	0.988	0.992				
34	0.932	0.197	0.986	0.990				
35	1.405	0.139	1.048	1.052				
36	1.043	0.113	1.005	1.009				
					(5) INDICATED MONOLINE CHANGE		(6) SELECTED MONOLINE CHANGE	
CLASS GROUP								
01	0.558	0.076	0.957	0.956	+	0.9%	-	3.5%
02	1.147	0.148	1.020	1.019	+	6.2%	+	1.5%
03	0.883	0.090	0.989	0.988	+	3.7%	-	0.9%
04	1.386	0.028	1.009	1.008	+	4.8%	+	0.2%
05	0.708	0.034	0.988	0.987	+	2.7%	-	1.8%
06	1.024	0.078	1.002	1.001	+	4.4%	-	0.2%
07	1.114	0.102	1.011	1.010	+	6.7%	+	2.0%
08	0.761	0.039	0.989	0.988	+	4.0%	-	0.6%
09	0.947	0.136	0.993	0.992	+	4.5%	-	0.1%
10	0.880	0.136	0.983	0.982	+	2.6%	-	1.9%
11	0.838	0.098	0.983	0.982	+	2.1%	-	2.4%
12	1.073	0.201	1.014	1.013	+	5.2%	+	0.6%
13	1.961	0.055	1.038	1.037	+	8.4%	+	3.6%
16	0.092	0.010	0.976	0.975	-	1.7%	-	6.0%
OVERALL MONOLINE INDICATION					+	4.6%		0.0%

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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)	(6)
	BAILEY					
TERRITORY	FORMULA	CREDIBILITY	Z-WTD	BALANCED	INDICATED	SELECTED
	RELATIV.	Z	RELATIV.	RELATIV.	MONOLINE CHG.	MONOLINE CHG.
501	0.860	0.205	0.970	0.967	+ 1.2%	- 3.3%
502	1.078	0.323	1.025	1.022	+ 6.5%	+ 1.8%

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

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

TERRITORY 501

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$14,423	\$117,594	0.276	0.272	4	0.891
	02 RESTAURANTS	49,839	155,496	0.122	0.121	9	0.950
	03 STORES	8,240	61,830	0.000	0.000	0	0.921
	04 VENDING & RENTAL	7,439	32,245	0.327	0.323	3	0.940
	05 FOOD & BEV. DIST.	15,184	39,002	0.836	0.827	2	0.920
	06 NON-FOOD&BEV.DIST	24,651	130,784	0.906	0.896	11	0.933
	07 CLUBS, AMSMT&SPRTS	48,180	249,017	1.968	1.946	13	0.941
	08 HEALTH CARE FACIL	1,938	4,405	0.000	0.000	0	0.921
	09 HOTELS AND MOTELS	94,932	299,942	0.166	0.165	5	0.924
	10 SCHLS & CHURCHES	63,804	291,292	0.594	0.587	11	0.915
	11 APARTMENTS	183,267	532,343	0.333	0.329	14	0.915
	12 BUILDINGS&OFFICES	527,149	2,064,316	0.347	0.343	63	0.944
	13 MISC. PREMISES	2,942	93,178	0.578	0.572	4	0.966
	TOTAL *	\$1,041,988	\$4,071,444	0.424		139	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$183,006	\$996,487	1.169	1.156	71	0.973
	TOTAL *	\$183,006	\$996,487	1.169		71	
32 MULT APARTMENT	11 APARTMENTS	\$214,609	\$1,086,318	1.542	1.525	56	1.014
	12 BUILDINGS&OFFICES	58,310	190,940	0.815	0.805	2	1.046
	TOTAL *	\$272,919	\$1,277,258	1.387		58	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$786,557	\$3,537,729	1.035	1.023	147	0.972
	13 MISC. PREMISES	6,930	30,591	0.000	0.000	0	0.994
	TOTAL *	\$793,487	\$3,568,320	1.026		147	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$69,626	\$535,969	0.505	0.499	26	0.915
	02 RESTAURANTS	480,463	2,067,590	1.497	1.480	171	0.976
	03 STORES	121,230	554,271	0.580	0.573	15	0.946
	04 VENDING & RENTAL	4,542	19,725	0.000	0.000	0	0.965
	05 FOOD & BEV. DIST.	28,016	149,481	0.328	0.325	6	0.945
	06 NON-FOOD&BEV.DIST	77,426	412,877	0.741	0.733	18	0.958
	12 BUILDINGS&OFFICES	110,941	666,264	0.553	0.546	21	0.970
	TOTAL *	\$892,244	\$4,406,177	1.067		257	

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)	(2)	(3)	(4)	(5)	(6)
			FISCAL A.Y.E. 06/30/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS		\$622	\$4,871	1.600	1.582	4	1.028
	08 HEALTH CARE FACIL		20,136	100,553	1.264	1.250	2	1.006
	10 SCHLS & CHURCHES		98,501	482,156	1.132	1.119	34	0.999
	12 BUILDINGS&OFFICES		1,449	6,956	0.000	0.000	0	1.031
	16 GOVT SUBDIVISIONS		47,456	265,463	0.112	0.111	2	0.993
	TOTAL *		\$168,164	\$859,999	0.852		42	
36 MULT SERVICES	03 STORES		\$16,937	\$80,559	0.131	0.130	3	0.964
	04 VENDING & RENTAL		7,657	34,579	0.491	0.485	1	0.983
	07 CLUBS,AMSMT&SPRTS		65,593	462,255	1.102	1.090	14	0.985
	08 HEALTH CARE FACIL		40	470	0.000	0.000	0	0.964
	09 HOTELS AND MOTELS		16,975	40,256	0.255	0.252	7	0.967
	10 SCHLS & CHURCHES		3,954	12,737	0.000	0.000	0	0.958
	12 BUILDINGS&OFFICES		47,321	205,804	0.696	0.688	11	0.988
	13 MISC. PREMISES		50,646	192,739	0.586	0.579	13	1.011
	TOTAL *		\$209,123	\$1,029,399	0.694		49	
TOTAL ALL	TOP							
	01 FOOD&BEV. (RETAIL)		\$84,049	\$653,563	0.465		30	
	02 RESTAURANTS		530,302	2,223,086	1.367		180	
	03 STORES		146,407	696,660	0.495		18	
	04 VENDING & RENTAL		19,638	86,549	0.315		4	
	05 FOOD & BEV. DIST.		43,200	188,483	0.507		8	
	06 NON-FOOD&BEV.DIST		102,077	543,661	0.781		29	
	07 CLUBS,AMSMT&SPRTS		114,395	716,143	1.470		31	
	08 HEALTH CARE FACIL		22,114	105,428	1.151		2	
	09 HOTELS AND MOTELS		294,913	1,336,685	0.794		83	
	10 SCHLS & CHURCHES		166,259	786,185	0.898		45	
	11 APARTMENTS		397,876	1,618,661	0.985		70	
	12 BUILDINGS&OFFICES		1,531,727	6,672,009	0.743		244	
	13 MISC. PREMISES		60,518	316,508	0.518		17	
	16 GOVT SUBDIVISIONS		47,456	265,463	0.112		2	
	TOTAL *		\$3,560,931	\$16,209,084	0.867		763	

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

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

TERRITORY 502

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 06/30/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$40,716	\$203,192	0.441	0.436	12	0.941
	02 RESTAURANTS	93,567	248,817	1.172	1.159	19	1.004
	03 STORES	48,925	198,083	1.753	1.734	30	0.973
	04 VENDING & RENTAL	9,083	32,518	1.089	1.077	2	0.993
	05 FOOD & BEV. DIST.	8,040	33,105	0.090	0.089	1	0.972
	06 NON-FOOD&BEV.DIST	51,253	255,730	1.375	1.360	65	0.986
	07 CLUBS, AMSMT&SPRTS	193,487	888,333	0.976	0.965	61	0.995
	08 HEALTH CARE FACIL	11,067	39,121	0.151	0.149	1	0.974
	09 HOTELS AND MOTELS	158,450	532,874	0.584	0.577	23	0.977
	10 SCHLS & CHURCHES	81,903	404,719	0.999	0.988	37	0.967
	11 APARTMENTS	241,662	802,398	0.631	0.624	21	0.967
	12 BUILDINGS&OFFICES	420,876	1,840,396	1.508	1.491	107	0.998
	13 MISC. PREMISES	19,251	83,371	0.583	0.577	4	1.021
	TOTAL *	\$1,378,280	\$5,562,657	1.058		383	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$717,079	\$3,301,905	1.053	1.042	197	1.028
	TOTAL *	\$717,079	\$3,301,905	1.053		197	
32 MULT APARTMENT	11 APARTMENTS	\$260,547	\$1,407,841	1.848	1.827	84	1.071
	12 BUILDINGS&OFFICES	55,737	271,337	2.042	2.019	27	1.105
	TOTAL *	\$316,284	\$1,679,178	1.882		111	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,019,676	\$4,871,009	0.973	0.962	259	1.027
	13 MISC. PREMISES	9,064	38,009	0.231	0.228	1	1.051
	TOTAL *	\$1,028,740	\$4,909,018	0.966		260	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$387,721	\$1,503,516	0.566	0.559	63	0.967
	02 RESTAURANTS	731,467	3,280,070	0.813	0.804	197	1.031
	03 STORES	276,664	1,234,332	1.027	1.015	87	1.000
	04 VENDING & RENTAL	1,962	7,346	0.000	0.000	0	1.020
	05 FOOD & BEV. DIST.	50,658	261,621	0.832	0.822	13	0.999
	06 NON-FOOD&BEV.DIST	113,287	456,569	0.831	0.821	18	1.013
	12 BUILDINGS&OFFICES	184,531	917,873	1.291	1.276	69	1.025
	13 MISC. PREMISES	36	232	0.000	0.000	0	1.049
	TOTAL *	\$1,746,326	\$7,661,559	0.843		447	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY		502	(1)	(2)	(3)	(4)	(5)	(6)
			FISCAL A.Y.E. 06/30/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS		\$134,395	\$606,128	1.793	1.773	25	1.086
	08 HEALTH CARE FACIL		68,120	361,270	1.171	1.158	25	1.063
	10 SCHLS & CHURCHES		231,352	1,132,876	1.262	1.248	253	1.056
	12 BUILDINGS&OFFICES		3,706	17,862	0.921	0.911	4	1.090
	TOTAL *		\$437,573	\$2,118,136	1.408		307	
36 MULT SERVICES	03 STORES		\$68,495	\$332,292	0.245	0.242	13	1.018
	04 VENDING & RENTAL		13,094	71,873	3.047	3.013	9	1.039
	07 CLUBS,AMSMT&SPRTS		291,007	1,030,698	0.991	0.980	73	1.041
	08 HEALTH CARE FACIL		508	2,083	0.000	0.000	0	1.019
	09 HOTELS AND MOTELS		263,940	689,554	1.425	1.409	33	1.022
	10 SCHLS & CHURCHES		2,191	4,701	0.000	0.000	0	1.012
	12 BUILDINGS&OFFICES		44,927	225,283	1.458	1.441	21	1.044
	13 MISC. PREMISES		85,396	408,648	3.523	3.484	34	1.069
	TOTAL *		\$769,558	\$2,765,132	1.413		183	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)		\$428,437	\$1,706,708	0.554		75	
	02 RESTAURANTS		825,034	3,528,887	0.854		216	
	03 STORES		394,084	1,764,707	0.981		130	
	04 VENDING & RENTAL		24,139	111,737	2.063		11	
	05 FOOD & BEV. DIST.		58,698	294,726	0.730		14	
	06 NON-FOOD&BEV.DIST		164,540	712,299	1.000		83	
	07 CLUBS,AMSMT&SPRTS		618,889	2,525,159	1.161		159	
	08 HEALTH CARE FACIL		79,695	402,474	1.022		26	
	09 HOTELS AND MOTELS		1,139,469	4,524,333	1.074		253	
	10 SCHLS & CHURCHES		315,446	1,542,296	1.185		290	
	11 APARTMENTS		502,209	2,210,239	1.262		105	
	12 BUILDINGS&OFFICES		1,729,453	8,143,760	1.184		487	
	13 MISC. PREMISES		113,747	530,260	2.762		39	
	TOTAL *		\$6,393,840	\$27,997,585	1.091		1,888	

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

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 06/30/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$55,139	\$320,786	0.398		16	
	02 RESTAURANTS	143,406	404,313	0.807		28	
	03 STORES	57,165	259,913	1.501		30	
	04 VENDING & RENTAL	16,522	64,763	0.746		5	
	05 FOOD & BEV. DIST.	23,224	72,107	0.578		3	
	06 NON-FOOD&BEV.DIST	75,904	386,514	1.223		76	
	07 CLUBS, AMSMT&SPRTS	241,667	1,137,350	1.174		74	
	08 HEALTH CARE FACIL	13,005	43,526	0.128		1	
	09 HOTELS AND MOTELS	253,382	832,816	0.427		28	
	10 SCHLS & CHURCHES	145,707	696,011	0.822		48	
	11 APARTMENTS	424,929	1,334,741	0.502		35	
	12 BUILDINGS&OFFICES	948,025	3,904,712	0.862		170	
	13 MISC. PREMISES	22,193	176,549	0.582		8	
	TOTAL *	\$2,420,268	\$9,634,101	0.785		522	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$900,085	\$4,298,392	1.077		268	
	TOTAL *	\$900,085	\$4,298,392	1.077		268	
32 MULT APARTMENT	11 APARTMENTS	\$475,156	\$2,494,159	1.710		140	
	12 BUILDINGS&OFFICES	114,047	462,277	1.415		29	
	TOTAL *	\$589,203	\$2,956,436	1.653		169	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,806,233	\$8,408,738	1.000		406	
	13 MISC. PREMISES	15,994	68,600	0.131		1	
	TOTAL *	\$1,822,227	\$8,477,338	0.992		407	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$457,347	\$2,039,485	0.556		89	
	02 RESTAURANTS	1,211,930	5,347,660	1.084		368	
	03 STORES	397,894	1,788,603	0.890		102	
	04 VENDING & RENTAL	6,504	27,071	0.000		0	
	05 FOOD & BEV. DIST.	78,674	411,102	0.652		19	
	06 NON-FOOD&BEV.DIST	190,713	869,446	0.794		36	
	12 BUILDINGS&OFFICES	295,472	1,584,137	1.014		90	
	13 MISC. PREMISES	36	232	0.000		0	
	TOTAL *	\$2,638,570	\$12,067,736	0.919		704	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL		(1)	(2)	(3)	(4)	(5)	(6)
			FISCAL A.Y.E. 06/30/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS		\$135,017	\$610,999	1.792		29	
	08 HEALTH CARE FACIL		88,256	461,823	1.192		27	
	10 SCHLS & CHURCHES		329,853	1,615,032	1.223		287	
	12 BUILDINGS&OFFICES		5,155	24,818	0.662		4	
	16 GOVT SUBDIVISIONS		47,456	265,463	0.112		2	
	TOTAL *		\$605,737	\$2,978,135	1.254		349	
36 MULT SERVICES	03 STORES		\$85,432	\$412,851	0.222		16	
	04 VENDING & RENTAL		20,751	106,452	2.104		10	
	07 CLUBS,AMSMT&SPRTS		356,600	1,492,953	1.012		87	
	08 HEALTH CARE FACIL		548	2,553	0.000		0	
	09 HOTELS AND MOTELS		280,915	729,810	1.354		40	
	10 SCHLS & CHURCHES		6,145	17,438	0.000		0	
	12 BUILDINGS&OFFICES		92,248	431,087	1.067		32	
	13 MISC. PREMISES		136,042	601,387	2.430		47	
	TOTAL *		\$978,681	\$3,794,531	1.260		232	
TOTAL ALL	TOP	01 FOOD&BEV. (RETAIL)	\$512,486	\$2,360,271	0.539		105	
		02 RESTAURANTS	1,355,336	5,751,973	1.055		396	
		03 STORES	540,491	2,461,367	0.849		148	
		04 VENDING & RENTAL	43,777	198,286	1.279		15	
		05 FOOD & BEV. DIST.	101,898	483,209	0.635		22	
		06 NON-FOOD&BEV.DIST	266,617	1,255,960	0.916		112	
		07 CLUBS,AMSMT&SPRTS	733,284	3,241,302	1.209		190	
		08 HEALTH CARE FACIL	101,809	507,902	1.050		28	
		09 HOTELS AND MOTELS	1,434,382	5,861,018	1.016		336	
		10 SCHLS & CHURCHES	481,705	2,328,481	1.086		335	
		11 APARTMENTS	900,085	3,828,900	1.140		175	
		12 BUILDINGS&OFFICES	3,261,180	14,815,769	0.977		731	
		13 MISC. PREMISES	174,265	846,768	1.983		56	
		16 GOVT SUBDIVISIONS	47,456	265,463	0.112		2	
		TOTAL *	\$9,954,771	\$44,206,669	1.011		2,651	

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

OREGON  
PRODUCTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS  
-----

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 0.957 OR - 4.3%			
TOP								
10	0.908	0.385	0.964	0.961				
34	1.062	0.394	1.024	1.021				
36	0.945	0.198	0.989	0.986				
37	1.036	0.541	1.019	1.017				
CLASS GROUP					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE	
3	0.939	0.535	0.967	0.971	- 10.7%	- 8.6%	- 8.6%	
4	1.062	0.425	1.026	1.029	- 5.3%	- 6.4%	- 6.4%	
5	1.158	0.132	1.020	1.023	- 5.9%	- 9.1%	- 9.1%	
6	0.984	0.341	0.995	0.998	- 8.2%	- 9.4%	- 9.4%	
7	0.957	0.186	0.992	0.995	- 8.4%	- 5.4%	- 5.4%	
			OVERALL MONOLINE INDICATION		- 8.0%	- 8.2%	- 8.2%	
			-----		-----	-----	-----	

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

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



MULTISTATE  
PRODUCTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS  
-----  
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

		(1) CALENDAR A.Y.E. 12/31/2016 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2012 - 2016 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	03 MAN, DLR, DSTFD/DRG	\$21,602,530	\$83,447,793	0.852	0.787	1,581	0.933
	04 DLR, DST-NOTFD/DRG	9,679,270	41,811,675	1.278	1.182	666	0.990
	05 MAN.NTFD/DRG (LOW)	1,692,267	7,299,063	0.767	0.709	64	0.984
	06 MAN.NTFD/DRG (MED)	10,333,678	44,740,395	0.937	0.867	509	0.960
	07 MAN.NTFD/DRG (HGH)	2,805,495	12,365,722	1.011	0.935	148	0.957
	TOTAL *	\$46,113,240	\$189,664,648	0.967		2,968	
34 MULT MERCANTILE	03 MAN, DLR, DSTFD/DRG	\$5,884,889	\$28,782,063	1.470	1.359	936	0.991
	04 DLR, DST-NOTFD/DRG	32,124,091	153,045,789	1.148	1.061	2,174	1.051
	06 MAN.NTFD/DRG (MED)	15,743	64,180	0.000	0.000	0	1.019
	TOTAL *	\$38,024,723	\$181,892,032	1.197		3,110	
36 MULT SERVICES	04 DLR, DST-NOTFD/DRG	\$3,789,140	\$17,974,549	1.089	1.007	780	1.016
	06 MAN.NTFD/DRG (MED)	60,544	302,132	0.755	0.698	8	0.985
	TOTAL *	\$3,849,684	\$18,276,681	1.084		788	
37 MULT INDUST/PROC.	03 MAN, DLR, DSTFD/DRG	\$18,758,762	\$92,830,487	1.011	0.935	3,210	0.987
	05 MAN.NTFD/DRG (LOW)	3,999,375	22,161,197	1.454	1.345	287	1.040
	06 MAN.NTFD/DRG (MED)	30,062,799	137,041,119	1.114	1.030	1,814	1.015
	07 MAN.NTFD/DRG (HGH)	8,087,615	39,304,471	1.047	0.968	549	1.012
	TOTAL *	\$60,908,551	\$291,337,274	1.096		5,860	
TOTAL ALL TOP	03 MAN, DLR, DSTFD/DRG	\$46,246,181	\$205,060,343	0.995		5,727	
	04 DLR, DST-NOTFD/DRG	45,592,501	212,832,013	1.171		3,620	
	05 MAN.NTFD/DRG (LOW)	5,691,642	29,460,260	1.250		351	
	06 MAN.NTFD/DRG (MED)	40,472,764	182,147,826	1.068		2,331	
	07 MAN.NTFD/DRG (HGH)	10,893,110	51,670,193	1.038		697	
	TOTAL *	\$148,896,198	\$681,170,635	1.082		12,726	

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

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 0.890 OR - 11.0%		
TOP							
10	1.007	0.764	1.005	1.004			
34	1.052	0.588	1.030	1.029			
36	1.019	0.533	1.010	1.009			
37	0.934	0.146	0.990	0.989			
38	0.991	1.000	0.991	0.990			
					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE
CLASS GROUP							
1	0.852	0.596	0.909	0.903	- 18.9%	- 26.3%	- 26.2%
2	1.029	0.508	1.015	1.008	- 10.3%	- 16.3%	- 16.2%
11	1.067	0.341	1.022	1.015	- 9.9%	- 14.9%	- 14.8%
12	1.022	1.000	1.022	1.015	- 9.4%	- 15.9%	- 16.0%
13	0.802	0.282	0.940	0.933	- 16.6%	- 22.5%	- 22.5%
			OVERALL MONOLINE INDICATION		- 10.4%	- 16.6%	- 16.6%
			-----		-----	-----	-----

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

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

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

STATE	(1) BAILEY FORMULA RELATIV	(2) CREDIBILITY Z	(3) Z-WTD RELATIV	(4) BALANCED RELATIV.	(5) INDICATED ** MONOLINE CHG.	(6) SELECTED MONOLINE CHG.
	1.324	0.399	1.119	1.116		
	1.182	0.648	1.114	1.111		
	1.139	0.606	1.082	1.079		
	1.138	0.577	1.078	1.075		
	1.449	0.200	1.077	1.074		
	1.178	0.429	1.073	1.070		
	1.279	0.243	1.062	1.059		
	1.106	0.442	1.045	1.043		
	1.134	0.344	1.044	1.041		
	1.097	0.371	1.035	1.032		
	1.093	0.381	1.034	1.032		
	1.132	0.256	1.032	1.029		
	1.211	0.162	1.031	1.029		
	1.122	0.206	1.024	1.021		
	1.042	0.508	1.021	1.018		
	1.131	0.166	1.021	1.018		
	1.046	0.224	1.010	1.007		
	1.036	0.251	1.009	1.006		
	1.009	0.291	1.003	1.000		
	1.009	0.228	1.002	0.999		
	1.001	0.274	1.000	0.998		
	0.971	0.150	0.996	0.993		
	0.983	0.474	0.992	0.989		
	0.962	0.229	0.991	0.988		
	0.975	0.363	0.991	0.988		
	0.970	0.333	0.990	0.987		
	0.957	0.247	0.989	0.987		
	0.890	0.104	0.988	0.985		
	0.966	0.347	0.988	0.985		
	0.971	0.428	0.988	0.985		
	0.955	0.336	0.985	0.982		
	0.943	0.307	0.982	0.980		
	0.951	0.462	0.977	0.975		
	0.775	0.097	0.976	0.973		
	0.841	0.161	0.973	0.970		
	0.926	0.385	0.971	0.968		
	0.938	0.512	0.968	0.965		
	0.882	0.281	0.965	0.963		
	0.904	0.382	0.962	0.960		
	0.835	0.230	0.959	0.957		
	0.749	0.166	0.953	0.951		
	0.527	0.076	0.952	0.950		
	0.760	0.206	0.945	0.943		
	0.841	0.337	0.943	0.941		
	0.702	0.168	0.942	0.940		
	0.682	0.164	0.939	0.937		
	0.475	0.085	0.939	0.936		
	0.853	0.407	0.937	0.935		
	0.708	0.188	0.937	0.935		
Oregon	0.812	0.350	0.930	0.927	-16.6%	-16.6%
	0.791	0.594	0.870	0.868		
	0.714	0.502	0.844	0.842		

\* Sorted by balanced relative change.

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

OREGON  
LOCAL PRODUCTS/COMPLETED OPERATIONS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

-----  
SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2016 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2012 - 2016 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$19,565	\$58,967	1.563	1.628	5	0.841
	02 RET.STRS-NTFD/DRG	24,294	126,868	0.485	0.505	18	0.939
	11 COMP. OPS. (LOW)	141,337	489,062	0.333	0.347	6	0.946
	12 COMP. OPS. (MED)	2,654,270	10,405,200	0.820	0.854	151	0.945
	13 COMP. OPS. (HGH)	168,937	805,808	0.175	0.183	1	0.869
	TOTAL *	\$3,008,403	\$11,885,905	0.763		181	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$225,761	\$1,005,539	0.896	0.933	42	0.861
	02 RET.STRS-NTFD/DRG	132,973	554,251	2.287	2.382	19	0.962
	12 COMP. OPS. (MED)	44,894	211,109	2.910	3.031	5	0.969
	TOTAL *	\$403,628	\$1,770,899	1.578		66	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$19,308	\$101,202	0.395	0.411	4	0.844
	02 RET.STRS-NTFD/DRG	311,023	1,083,177	1.011	1.053	49	0.943
	11 COMP. OPS. (LOW)	42,109	241,315	0.159	0.166	1	0.950
	12 COMP. OPS. (MED)	132,554	505,718	0.331	0.345	6	0.950
	13 COMP. OPS. (HGH)	30,292	160,904	0.245	0.255	2	0.873
	TOTAL *	\$535,286	\$2,092,316	0.710		62	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$543	\$2,514	0.000	0.000	0	0.828
	11 COMP. OPS. (LOW)	1,969	10,616	0.000	0.000	0	0.931
	12 COMP. OPS. (MED)	97,938	461,581	2.211	2.302	7	0.931
	TOTAL *	\$100,450	\$474,711	2.155		7	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$230,366	\$1,179,812	0.609	0.634	22	0.932
	12 COMP. OPS. (MED)	4,869,832	21,900,155	0.767	0.799	332	0.932
	13 COMP. OPS. (HGH)	390,812	1,696,622	0.191	0.199	7	0.856
	TOTAL *	\$5,491,010	\$24,776,589	0.719		361	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$265,177	\$1,168,222	0.907		51	
	02 RET.STRS-NTFD/DRG	468,290	1,764,296	1.346		86	
	11 COMP. OPS. (LOW)	415,781	1,920,805	0.467		29	
	12 COMP. OPS. (MED)	7,799,488	33,483,763	0.808		501	
	13 COMP. OPS. (HGH)	590,041	2,663,334	0.189		10	
	TOTAL *	\$9,538,777	\$41,000,420	0.784		677	

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

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

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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	06/30/2015	\$3,405,646		1.000		1.130				\$3,848,380
	06/30/2016	3,833,918		1.000		1.105				4,236,479
	06/30/2017	3,994,851		1.025		1.078				4,414,111
MULTILINE	06/30/2015	\$7,373,578		1.000		1.117		0.866		\$7,132,624
	06/30/2016	7,839,943		1.000		1.099		0.866		7,461,540
	06/30/2017	7,928,838		1.025		1.076		0.867		7,581,668
TOTAL	06/30/2015									\$10,981,004
	06/30/2016									11,698,019
	06/30/2017									11,995,779

+ 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 12/01/2018 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	06/30/2015	\$1,630,022		1.029		1.085		1.242		0.976		\$2,206,023
		06/30/2016	813,339		1.386		1.085		1.188		0.981		1,425,444
		06/30/2017	698,634		1.946		1.085		1.137		0.985		1,652,034
BI	ALAE	06/30/2015	\$887,642				1.085		1.242		0.976		\$1,167,452
		06/30/2016	606,178				1.085		1.188		0.981		766,506
		06/30/2017	739,806				1.085		1.137		0.985		898,968
PD	B/L INDEMNITY	06/30/2015	\$1,962,174		1.043		1.085		1.213		0.976		\$2,628,828
		06/30/2016	3,056,880		1.098		1.085		1.166		0.981		4,165,604
		06/30/2017	1,960,895		1.147		1.085		1.121		0.985		2,694,569
PD	ALAE	06/30/2015	\$893,595				1.085		1.213		0.976		\$1,147,839
		06/30/2016	1,038,032				1.085		1.166		0.981		1,288,273
		06/30/2017	676,177				1.085		1.121		0.985		810,088
MED PAY#	B/L INDEMNITY	06/30/2015	\$55,164				1.085		1.242		0.976		\$72,553
		06/30/2016	43,176				1.085		1.188		0.981		54,596
		06/30/2017	72,961				1.085		1.137		0.985		88,658
FRINGE	B/L INDEMNITY	06/30/2015	\$224,924		0.999		1.085		1.025		0.976		\$243,896
		06/30/2016	229,571		1.083		1.085		1.020		0.981		269,926
		06/30/2017	85,085		1.385		1.085		1.015		0.985		127,831
FRINGE	ALAE	06/30/2015	\$358,624				1.085		1.025		0.976		\$389,263
		06/30/2016	410,435				1.085		1.020		0.981		445,598
		06/30/2017	203,106				1.085		1.015		0.985		220,320
	TOTAL FULL COVERAGE	06/30/2015											\$7,855,854
		06/30/2016											8,415,946
		06/30/2017											6,492,468

\* 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

			\$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
REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING											
BI	B/L INDEMNITY	06/30/2015	\$542,988		1.113		1.085		1.242		0.976		\$794,853
		06/30/2016	366,909		1.386		1.085		1.188		0.981		643,038
		06/30/2017	160,095		2.318		1.085		1.137		0.985		450,939
BI	ALAE	06/30/2015	\$198,378				1.085		1.242		0.976		\$260,912
		06/30/2016	841,163				1.085		1.188		0.981		1,063,642
		06/30/2017	167,610				1.085		1.137		0.985		203,670
PD	B/L INDEMNITY	06/30/2015	\$258,789		1.041		1.085		1.213		0.976		\$346,048
		06/30/2016	612,419		1.086		1.085		1.166		0.981		825,422
		06/30/2017	414,700		1.189		1.085		1.121		0.985		590,728
PD	ALAE	06/30/2015	\$55,242				1.085		1.213		0.976		\$70,959
		06/30/2016	389,663				1.085		1.166		0.981		483,600
		06/30/2017	127,564				1.085		1.121		0.985		152,827
MED PAY#	B/L INDEMNITY	06/30/2015	\$0				1.085		1.242		0.976		\$0
		06/30/2016	5,000				1.085		1.188		0.981		6,322
		06/30/2017	8,100				1.085		1.137		0.985		9,843
	TOTAL DED COVERAGE	06/30/2015											\$1,472,773
		06/30/2016											3,022,024
		06/30/2017											1,408,006
	TOTAL	06/30/2015											\$9,328,627
		06/30/2016											11,437,971
		06/30/2017											7,900,474

\* 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	06/30/2015	\$1,780,484		1.000		1.014				\$1,805,411
	06/30/2016	1,986,090		1.000		1.010				2,005,951
	06/30/2017	2,382,698		1.007		1.008				2,418,572
MULTILINE	06/30/2015	\$7,966,814		1.000		1.024		0.842		\$6,869,051
	06/30/2016	8,224,980		1.000		1.020		0.842		7,063,942
	06/30/2017	8,769,506		1.007		1.015		0.840		7,529,219
TOTAL	06/30/2015									\$8,674,462
	06/30/2016									9,069,893
	06/30/2017									9,947,791

+ 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 12/01/2018 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	06/30/2015	\$3,786,014		0.994		1.085		1.213		0.928		\$4,596,287
		06/30/2016	2,702,287		1.142		1.085		1.166		0.943		3,681,608
		06/30/2017	3,364,755		1.372		1.085		1.121		0.957		5,373,470
BI	ALAE	06/30/2015	\$1,527,513				1.085		1.213		0.928		\$1,865,621
		06/30/2016	1,194,974				1.085		1.166		0.943		1,425,602
		06/30/2017	2,556,600				1.085		1.121		0.957		2,975,843
PD	B/L INDEMNITY	06/30/2015	\$621,538		1.015		1.085		1.242		0.928		\$788,920
		06/30/2016	417,192		1.066		1.085		1.188		0.943		540,569
		06/30/2017	560,184		1.069		1.085		1.137		0.957		706,986
PD	ALAE	06/30/2015	\$267,276				1.085		1.242		0.928		\$334,241
		06/30/2016	242,152				1.085		1.188		0.943		294,338
		06/30/2017	259,224				1.085		1.137		0.957		306,039
MED PAY#	B/L INDEMNITY	06/30/2015	\$444,398				1.085		1.213		0.928		\$542,763
		06/30/2016	482,653				1.085		1.166		0.943		575,804
		06/30/2017	816,469				1.085		1.121		0.957		950,357
FRINGE	B/L INDEMNITY	06/30/2015	\$181,307		1.049		1.085		1.129		0.928		\$216,203
		06/30/2016	212,980		1.208		1.085		1.102		0.943		290,087
		06/30/2017	357,352		1.550		1.085		1.075		0.957		618,270
FRINGE	ALAE	06/30/2015	\$166,146				1.085		1.129		0.928		\$188,869
		06/30/2016	377,072				1.085		1.102		0.943		425,155
		06/30/2017	1,144,471				1.085		1.075		0.957		1,277,482
	TOTAL FULL COVERAGE	06/30/2015											\$8,532,904
		06/30/2016											7,233,164
		06/30/2017											12,208,448

\* 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

			\$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
REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING											
BI	B/L INDEMNITY	06/30/2015	\$150,872		1.007		1.085		1.213		0.928		\$185,557
		06/30/2016	646,555		1.134		1.085		1.166		0.943		874,699
		06/30/2017	252,129		1.439		1.085		1.121		0.957		422,310
BI	ALAE	06/30/2015	\$26,119				1.085		1.213		0.928		\$31,900
		06/30/2016	343,035				1.085		1.166		0.943		409,240
		06/30/2017	134,323				1.085		1.121		0.957		156,350
PD	B/L INDEMNITY	06/30/2015	\$0		1.133		1.085		1.242		0.928		\$0
		06/30/2016	14,578		1.173		1.085		1.188		0.943		20,785
		06/30/2017	79,828		1.234		1.085		1.137		0.957		116,298
PD	ALAE	06/30/2015	\$0				1.085		1.242		0.928		\$0
		06/30/2016	5,089				1.085		1.188		0.943		6,186
		06/30/2017	20,048				1.085		1.137		0.957		23,669
MED PAY#	B/L INDEMNITY	06/30/2015	\$5,000				1.085		1.213		0.928		\$6,107
		06/30/2016	9,593				1.085		1.166		0.943		11,444
		06/30/2017	27,862				1.085		1.121		0.957		32,431
	TOTAL DED COVERAGE	06/30/2015											\$223,564
		06/30/2016											1,322,354
		06/30/2017											751,057
	TOTAL	06/30/2015											\$8,756,468
		06/30/2016											8,555,518
		06/30/2017											12,959,505

\* 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	0.745
34	Mercantile Policy	0.944
35	Institutional Policy	0.763
36	Service Policy	0.931
37	Industrial/Processing Policy	0.846
38	Contractors Policy	0.859

- (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	0.965
32	Apartment House Policy	1.000
33	Office Policy	0.877
34	Mercantile Policy	0.736
35	Institutional Policy	1.020
36	Service Policy	0.824
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	1.026	0.7804	1.025	20,000,000
27 to 39 Months	1.000	1.000	0.5282	1.000	60,000,000
Accident Year Ending	Exposure Development From				
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
6/30/2015			1.000		1.000
6/30/2016		1.000	1.000		1.000
6/30/2017	1.025	1.000	1.000		1.025

(a) See Section E - Multistate Premium Development.

(b) See Section E - Statewide Premium Development.

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

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

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	1.005	1.009	0.5586	1.007	45,000,000
27 to 39 Months	1.000	1.000	0.3528	1.000	100,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From		<u>39:27</u>	<u>ULT:39</u>
6/30/2015			1.000		Factor
6/30/2016		1.000	1.000		1.000
6/30/2017	1.007	1.000	1.000		1.007

(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>
6/30/2010	19,750,425	19,541,020	19,528,324	19,531,197	19,531,198	19,531,198	19,530,879	19,530,879
6/30/2011	18,651,530	18,588,355	18,594,543	18,594,221	18,594,221	18,594,221	18,594,221	
6/30/2012	19,154,413	19,474,854	19,475,015	19,472,878	19,473,604	19,473,459		
6/30/2013	20,324,914	20,946,484	20,917,088	20,931,170	20,918,181			
6/30/2014	21,852,912	22,430,998	22,388,845	22,362,308				
6/30/2015	23,270,413	23,785,742	23,799,607					
6/30/2016	25,933,575	26,942,001						
6/30/2017	27,241,472							

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>
6/30/2010	0.989	0.999	1.000	1.000	1.000	1.000	1.000
6/30/2011	0.997	1.000	1.000	1.000	1.000	1.000	
6/30/2012	1.017	1.000	1.000	1.000	1.000		
6/30/2013	1.031	0.999	1.001	0.999			
6/30/2014	1.026	0.998	0.999				
6/30/2015	1.022	1.001					
6/30/2016	1.039						
6/30/2017							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.026	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>
6/30/2010	16,171,919	16,192,923	16,134,814	16,134,719	16,134,567	16,133,199	16,133,198	16,133,198
6/30/2011	16,244,614	16,246,096	16,246,365	16,246,288	16,246,288	16,246,320	16,246,320	
6/30/2012	16,499,946	16,632,450	16,632,491	16,633,182	16,633,273	16,633,273		
6/30/2013	17,093,477	17,271,735	17,229,261	17,228,238	17,228,276			
6/30/2014	17,986,970	18,153,586	18,151,623	18,157,250				
6/30/2015	18,932,354	19,095,348	19,101,336					
6/30/2016	20,031,014	20,240,859						
6/30/2017	22,289,352							

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>
6/30/2010	1.001	0.996	1.000	1.000	1.000	1.000	1.000
6/30/2011	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		
6/30/2013	1.010	0.998	1.000	1.000			
6/30/2014	1.009	1.000	1.000				
6/30/2015	1.009	1.000					
6/30/2016	1.010						
6/30/2017							

Average Best 3 of 5

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

MULTISTATE  
MANUFACTURERS AND CONTRACTORS

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

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

LINK RATIOS

Accident Year Ending	<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>
6/30/2010	0.999	0.999	1.000	1.000	1.000	1.000	1.000
6/30/2011	1.012	1.000	1.000	1.000	1.000	1.000	
6/30/2012	1.017	1.001	1.000	1.000	1.000		
6/30/2013	1.023	1.000	1.000	1.000			
6/30/2014	1.026	0.999	1.000				
6/30/2015	1.022	1.000					
6/30/2016	1.023						
6/30/2017							

Average Best 3 of 5  
27:15  
1.023

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

LINK RATIOS

Accident Year Ending	<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>
6/30/2010	1.002	1.000	1.001	1.000	1.000	1.000	1.000
6/30/2011	1.005	1.001	1.000	1.000	1.000	1.000	
6/30/2012	1.008	1.003	1.000	1.000	1.000		
6/30/2013	1.013	1.000	0.999	1.000			
6/30/2014	1.003	0.999	1.001				
6/30/2015	1.002	1.000					
6/30/2016	1.003						
6/30/2017							

Average Best 3 of 5  
27:15      39:27  
1.005      1.000

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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 (K <sub>i</sub> )
15 to 27 Months	1.551	1.302	0.5907	1.404	1,500,000
27 to 39 Months	1.267	1.383	0.6868	1.347	1,700,000
39 to 51 Months	1.060	1.046	0.6854	1.050	2,000,000
51 to 63 Months	0.997	0.992	0.6706	0.994	2,300,000
63 to 75 Months	0.989	0.995	0.5849	0.993	2,700,000
75 to 87 Months	0.997	0.999	0.5591	0.998	3,100,000
87 to 99 Months	0.998	0.996	0.4994	0.997	3,600,000
99 to 111 Months	0.997	1.000	0.4850	0.998	4,200,000
111 to 123 Months	1.000	1.000	0.4343	1.000	4,800,000
123 to 135 Months	0.999	1.000	0.4056	0.999	5,600,000
135 to 147 Months	1.001	1.000	0.3371	1.001	6,500,000
147 to 159 Months	1.000	1.000	0.2833	1.000	7,600,000
159 to 171 Months	1.000	1.000	0.2186	1.000	8,800,000
171 to 183 Months	1.000	1.000	0.1863	1.000	10,300,000
183 to 195 Months	1.000	1.000	0.2232	1.000	12,000,000
195 to 207 Months	1.000	1.000	0.2767	1.000	14,100,000
207 to 219 Months	1.000	1.000	0.2825	1.000	16,500,000
219 to 231 Months	1.000	1.000	0.1917	1.000	19,400,000
231 to 243 Months	1.000	1.000	0.0766	1.000	22,800,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
6/30/2015			1.050	0.994	0.993	0.998	0.997	0.998	1.000	0.999	1.001	
6/30/2016		1.347	1.050	0.994	0.993	0.998	0.997	0.998	1.000	0.999	1.001	
6/30/2017	1.404	1.347	1.050	0.994	0.993	0.998	0.997	0.998	1.000	0.999	1.001	
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor		
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.029		
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.386		
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.946		

(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	0.0682	0.0868	0.5907	0.0792	1,500,000
27 to 39 Months	0.1056	0.0934	0.6868	0.0973	1,700,000
39 to 51 Months	0.0918	0.1236	0.6854	0.1136	2,000,000
51 to 63 Months	0.0482	0.0373	0.6706	0.0409	2,300,000
63 to 75 Months	0.0300	0.0069	0.5849	0.0165	2,700,000
75 to 87 Months	0.0102	0.0036	0.5591	0.0065	3,100,000
87 to 99 Months	0.0084	0.0023	0.4994	0.0054	3,600,000
99 to 111 Months	0.0039	-0.0017	0.4850	0.0012	4,200,000
111 to 123 Months	0.0026	0.0000	0.4343	0.0015	4,800,000
123 to 135 Months	0.0007	0.0000	0.4056	0.0004	5,600,000
135 to 147 Months	0.0012	0.0000	0.3371	0.0008	6,500,000
147 to 159 Months	0.0018	0.0000	0.2833	0.0013	7,600,000
159 to 171 Months	0.0012	0.0000	0.2186	0.0009	8,800,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.365	0.286	0.189	0.075	0.034	0.018	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>
	0.006	0.005	0.003	0.003	0.002	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	361,737	2,782,570	0.189	525,905	887,642
6/30/2016	182,585	1,481,096	0.286	423,593	606,178
6/30/2017	12,541	1,992,503	0.365	727,265	739,806

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	68,457	687,420	0.189	129,921	198,378
6/30/2016	376,634	1,624,230	0.286	464,529	841,163
6/30/2017	954	456,591	0.365	166,656	167,610

(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 Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.088	1.023	0.6543	1.045	3,100,000
27 to 39 Months	1.034	1.065	0.6009	1.053	3,200,000
39 to 51 Months	1.009	0.990	0.6290	0.997	3,300,000
51 to 63 Months	1.005	1.010	0.5993	1.008	3,500,000
63 to 75 Months	1.007	0.997	0.6028	1.001	3,600,000
75 to 87 Months	1.006	1.022	0.5937	1.016	3,700,000
87 to 99 Months	1.006	1.010	0.5927	1.008	3,900,000
99 to 111 Months	1.005	1.008	0.5832	1.007	4,100,000
111 to 123 Months	1.005	1.000	0.5610	1.002	4,300,000
123 to 135 Months	1.001	1.000	0.5034	1.000	4,400,000
135 to 147 Months	1.001	1.000	0.4429	1.001	4,600,000
147 to 159 Months	1.001	0.998	0.3647	1.000	4,800,000
159 to 171 Months	1.002	1.001	0.3632	1.002	5,000,000
171 to 183 Months	1.000	0.999	0.3709	1.000	5,200,000
183 to 195 Months	1.001	1.000	0.4794	1.001	5,400,000
195 to 207 Months	1.000	0.999	0.5412	0.999	5,600,000
207 to 219 Months	1.000	1.000	0.5677	1.000	5,900,000
219 to 231 Months	1.000	1.000	0.4530	1.000	6,100,000
231 to 243 Months	1.000	1.000	0.2474	1.000	6,400,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2015			0.997	1.008	1.001	1.016	1.008	1.007	1.002	1.000	1.001
6/30/2016		1.053	0.997	1.008	1.001	1.016	1.008	1.007	1.002	1.000	1.001
6/30/2017	1.045	1.053	0.997	1.008	1.001	1.016	1.008	1.007	1.002	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>
6/30/2015	1.000	1.002	1.000	1.001	0.999	1.000	1.000	1.000	1.000		1.043
6/30/2016	1.000	1.002	1.000	1.001	0.999	1.000	1.000	1.000	1.000		1.098
6/30/2017	1.000	1.002	1.000	1.001	0.999	1.000	1.000	1.000	1.000		1.147

(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	0.0500	0.0714	0.6543	0.0640	3,100,000
27 to 39 Months	0.0477	0.0893	0.6009	0.0727	3,200,000
39 to 51 Months	0.0380	0.0301	0.6290	0.0330	3,300,000
51 to 63 Months	0.0264	0.0123	0.5993	0.0180	3,500,000
63 to 75 Months	0.0144	0.0022	0.6028	0.0070	3,600,000
75 to 87 Months	0.0118	0.0125	0.5937	0.0122	3,700,000
87 to 99 Months	0.0099	0.0038	0.5927	0.0063	3,900,000
99 to 111 Months	0.0104	0.0004	0.5832	0.0046	4,100,000
111 to 123 Months	0.0067	0.0000	0.5610	0.0029	4,300,000
123 to 135 Months	0.0054	0.0000	0.5034	0.0027	4,400,000
135 to 147 Months	0.0047	0.0000	0.4429	0.0026	4,600,000
147 to 159 Months	0.0035	0.0000	0.3647	0.0022	4,800,000
159 to 171 Months	0.0021	0.0000	0.3632	0.0013	5,000,000
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>
	0.230	0.166	0.093	0.060	0.042	0.035	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>
	0.016	0.012	0.009	0.006	0.004	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	665,346	2,454,301	0.093	228,249	893,595
6/30/2016	376,263	3,986,567	0.166	661,769	1,038,032
6/30/2017	153,913	2,270,713	0.230	522,264	676,177

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	30,236	268,880	0.093	25,006	55,242
6/30/2016	252,850	824,173	0.166	136,813	389,663
6/30/2017	17,111	480,223	0.230	110,453	127,564

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

  

Cumulative Incremental Factors							
<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>
	0.966	0.770	0.467	0.269	0.171	0.092	0.050
<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>
	0.033	0.018	0.017	0.013	0.011	0.009	0.000

  

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	73,810	609,883	0.467	284,814	358,624
6/30/2016	191,947	283,751	0.770	218,488	410,435
6/30/2017	55,241	153,068	0.966	147,865	203,106

(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)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (K <sub>i</sub> )
15 to 27 Months	1.295	1.178	0.8012	1.201	1,600,000
27 to 39 Months	1.119	1.157	0.7904	1.149	2,100,000
39 to 51 Months	1.012	0.991	0.7338	0.997	2,900,000
51 to 63 Months	0.988	1.001	0.6580	0.997	4,000,000
63 to 75 Months	0.990	1.012	0.6181	1.004	5,400,000
75 to 87 Months	0.993	0.998	0.5169	0.996	7,300,000
87 to 99 Months	0.996	1.000	0.4433	0.998	10,000,000
99 to 111 Months	0.998	1.005	0.3392	1.000	13,600,000
111 to 123 Months	1.000	1.000	0.3084	1.000	18,500,000
123 to 135 Months	1.000	1.000	0.2429	1.000	25,200,000
135 to 147 Months	1.000	1.000	0.1856	1.000	34,400,000
147 to 159 Months	1.000	1.000	0.1392	1.000	46,900,000
159 to 171 Months	1.000	1.000	0.1022	1.000	64,000,000
171 to 183 Months	1.001	1.000	0.0832	1.001	87,400,000
183 to 195 Months	1.001	1.000	0.0685	1.001	119,400,000
195 to 207 Months	1.000	1.000	0.0586	1.000	163,200,000
207 to 219 Months	1.000	1.000	0.0520	1.000	223,200,000
219 to 231 Months	1.000	1.000	0.0272	1.000	305,400,000
231 to 243 Months	1.000	1.000	0.0111	1.000	418,100,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
6/30/2015			0.997	0.997	1.004	0.996	0.998	1.000	1.000	1.000	1.000	1.000
6/30/2016		1.149	0.997	0.997	1.004	0.996	0.998	1.000	1.000	1.000	1.000	1.000
6/30/2017	1.201	1.149	0.997	0.997	1.004	0.996	0.998	1.000	1.000	1.000	1.000	1.000

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
6/30/2015	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	0.994
6/30/2016	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.142
6/30/2017	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.372

(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)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (K <sub>i</sub> )
15 to 27 Months	0.0767	0.0576	0.8012	0.0614	1,600,000
27 to 39 Months	0.0852	0.1262	0.7904	0.1176	2,100,000
39 to 51 Months	0.0589	0.0209	0.7338	0.0310	2,900,000
51 to 63 Months	0.0283	0.0203	0.6580	0.0230	4,000,000
63 to 75 Months	0.0135	0.0245	0.6181	0.0203	5,400,000
75 to 87 Months	0.0057	0.0050	0.5169	0.0053	7,300,000
87 to 99 Months	0.0029	0.0037	0.4433	0.0032	10,000,000
99 to 111 Months	0.0028	0.0000	0.3392	0.0019	13,600,000
111 to 123 Months	0.0022	0.0000	0.3084	0.0015	18,500,000
123 to 135 Months	0.0010	0.0000	0.2429	0.0008	25,200,000
135 to 147 Months	0.0015	0.0000	0.1856	0.0012	34,400,000
147 to 159 Months	0.0016	0.0000	0.1392	0.0014	46,900,000
159 to 171 Months	0.0006	0.0020	0.1022	0.0007	64,000,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
Months-to-Ultimate	15	27	39	51	63	75	87
	0.269	0.208	0.090	0.059	0.036	0.016	0.011
Months-to-Ultimate	99	111	123	135	147	159	171
	0.007	0.006	0.004	0.003	0.002	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	988,298	5,991,246	0.090	539,215	1,527,513
6/30/2016	451,882	3,572,542	0.208	743,092	1,194,974
6/30/2017	516,170	7,585,243	0.269	2,040,430	2,556,600

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	12,445	151,929	0.090	13,674	26,119
6/30/2016	27,002	1,519,387	0.208	316,033	343,035
6/30/2017	22,957	413,997	0.269	111,366	134,323

(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 Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.097	0.959	0.6809	1.003	1,300,000
27 to 39 Months	1.040	1.055	0.6785	1.050	1,400,000
39 to 51 Months	1.020	0.964	0.6412	0.984	1,600,000
51 to 63 Months	1.006	0.995	0.5960	0.999	1,700,000
63 to 75 Months	1.008	1.005	0.5939	1.006	1,800,000
75 to 87 Months	1.004	0.997	0.4510	1.001	2,000,000
87 to 99 Months	1.003	0.992	0.4149	0.998	2,100,000
99 to 111 Months	1.006	1.000	0.3630	1.004	2,300,000
111 to 123 Months	1.001	0.992	0.3727	0.998	2,500,000
123 to 135 Months	1.002	1.000	0.3239	1.001	2,700,000
135 to 147 Months	1.003	1.000	0.2637	1.002	3,000,000
147 to 159 Months	1.000	1.000	0.2484	1.000	3,200,000
159 to 171 Months	1.001	1.000	0.2215	1.001	3,500,000
171 to 183 Months	1.001	1.000	0.2396	1.001	3,900,000
183 to 195 Months	1.001	0.998	0.2990	1.000	4,200,000
195 to 207 Months	1.002	1.000	0.3200	1.001	4,600,000
207 to 219 Months	1.003	1.000	0.3035	1.002	5,000,000
219 to 231 Months	1.003	1.000	0.1821	1.002	5,600,000
231 to 243 Months	1.003	1.000	0.0891	1.003	6,100,000
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
6/30/2015			0.984	0.999	1.006	1.001	0.998	1.004	0.998	1.001	1.002
6/30/2016		1.050	0.984	0.999	1.006	1.001	0.998	1.004	0.998	1.001	1.002
6/30/2017	1.003	1.050	0.984	0.999	1.006	1.001	0.998	1.004	0.998	1.001	1.002
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
6/30/2015	1.000	1.001	1.001	1.000	1.001	1.002	1.002	1.003	1.012		1.015
6/30/2016	1.000	1.001	1.001	1.000	1.001	1.002	1.002	1.003	1.012		1.066
6/30/2017	1.000	1.001	1.001	1.000	1.001	1.002	1.002	1.003	1.012		1.069

(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	0.0777	0.0312	0.6809	0.0460	1,300,000
27 to 39 Months	0.0873	0.0217	0.6785	0.0428	1,400,000
39 to 51 Months	0.0743	0.0116	0.6412	0.0341	1,600,000
51 to 63 Months	0.0567	0.0004	0.5960	0.0232	1,700,000
63 to 75 Months	0.0368	0.0055	0.5939	0.0182	1,800,000
75 to 87 Months	0.0250	-0.0058	0.4510	0.0111	2,000,000
87 to 99 Months	0.0188	-0.0017	0.4149	0.0103	2,100,000
99 to 111 Months	0.0161	-0.0008	0.3630	0.0100	2,300,000
111 to 123 Months	0.0118	0.0004	0.3727	0.0075	2,500,000
123 to 135 Months	0.0050	0.0000	0.3239	0.0034	2,700,000
135 to 147 Months	0.0064	0.0000	0.2637	0.0047	3,000,000
147 to 159 Months	0.0022	0.0000	0.2484	0.0017	3,200,000
159 to 171 Months	0.0003	0.0000	0.2215	0.0003	3,500,000
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>
	0.213	0.167	0.124	0.090	0.067	0.049	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>
	0.028	0.018	0.010	0.007	0.002	0.000	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	182,388	684,588	0.124	84,888	267,276
6/30/2016	97,189	868,045	0.167	144,963	242,152
6/30/2017	25,127	1,099,050	0.213	234,097	259,224

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	0	0	0.124	0	0
6/30/2016	2,354	16,371	0.167	2,735	5,089
6/30/2017	0	94,118	0.213	20,048	20,048

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

Cumulative Incremental Factors							
<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>
	1.089	0.823	0.579	0.399	0.228	0.126	0.086
<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>
	0.046	0.032	0.021	0.017	0.017	0.000	0.000

A.Y.E.	Reported ALAE as of 9/30/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2015	34,820	226,816	0.579	131,326	166,146
6/30/2016	118,528	314,148	0.823	258,544	377,072
6/30/2017	12,384	1,039,565	1.089	1,132,087	1,144,471

(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
6/30/1998	1,210,734	1,597,976	1,820,110	1,809,229	1,809,461	1,914,461	1,904,461	1,898,461	1,897,465	1,892,461	1,892,461
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	1,292,766	1,655,957	1,663,054	1,822,017	1,872,017	1,807,017	1,807,017	1,897,017	1,897,017	1,897,017	1,907,017
6/30/2001	619,029	773,225	886,621	1,070,906	978,906	878,906	789,007	792,906	788,906	788,906	788,906
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	945,316	946,952	1,036,702	994,202	973,202	898,202	923,202	892,202	892,202	892,202
6/30/2005	952,553	1,013,008	1,137,108	1,248,029	1,303,355	1,269,139	1,304,695	1,304,694	1,313,593	1,313,593	1,313,593
6/30/2006	422,627	762,138	1,234,621	1,270,121	1,239,121	1,137,621	1,069,121	1,099,121	1,099,121	1,106,621	1,099,121
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	
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		
6/30/2010	472,266	849,578	1,172,031	1,171,521	1,025,991	1,020,993	993,781	993,781			
6/30/2011	691,120	1,210,576	1,378,787	1,525,581	1,565,581	1,543,956					
6/30/2012	508,620	722,541	1,113,127	1,116,477	1,212,377	1,244,877					
6/30/2013	1,256,042	1,940,657	1,984,585	2,041,252	2,003,669						
6/30/2014	696,219	857,789	1,259,591	1,432,768							
6/30/2015	888,724	929,252	1,593,115								
6/30/2016	580,177	727,203									
6/30/2017	554,513										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	1,892,461	1,892,461	1,892,461	1,892,461	1,892,461	1,892,461	1,892,461	1,892,461	1,892,461
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	
6/30/2000	1,897,117	1,897,017	1,897,017	1,897,017	1,897,017	1,897,017	1,897,017		
6/30/2001	788,906	788,906	788,906	788,906	788,906	788,906			
6/30/2002	770,999	770,999	770,999	761,697	761,697				
6/30/2003	799,096	799,096	799,095	799,095					
6/30/2004	892,202	892,202	892,202						
6/30/2005	1,313,593	1,213,593							
6/30/2006	1,099,121								



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>
6/30/1998	1.320	1.139	0.994	1.000	1.058	0.995	0.997	0.999	0.997	1.000	1.000
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	1.096	1.027	0.965	1.000	1.050	1.000	1.000	1.005	0.995
6/30/2001	1.249	1.147	1.208	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	1.418	1.002	1.095	0.959	0.979	0.923	1.028	0.966	1.000	1.000	1.000
6/30/2005	1.063	1.123	1.098	1.044	0.974	1.028	1.000	1.007	1.000	1.000	1.000
6/30/2006	1.803	1.620	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	
6/30/2008	1.073	1.477	1.104	0.856	1.004	0.998	0.963	1.000	1.000		
6/30/2009	1.237	1.625	0.998	0.967	0.932	1.000	1.000	1.000			
6/30/2010	1.799	1.380	1.000	0.876	0.995	0.973	1.000				
6/30/2011	1.752	1.139	1.106	1.026	0.986	1.000					
6/30/2012	1.421	1.541	1.003	1.086	1.027						
6/30/2013	1.545	1.023	1.029	0.982							
6/30/2014	1.232	1.468	1.137								
6/30/2015	1.046	1.714									
6/30/2016	1.253										
3 Yr Mean	1.177	1.402	1.056	1.031	1.003	0.991	0.988	0.999	1.002	0.998	1.000
Best 3/5	1.302	1.383	1.046	0.992	0.995	0.999	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>			
6/30/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
6/30/2002	1.000	1.000	0.988	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2003	1.000	1.000	1.000								
6/30/2004	1.000	1.000									
6/30/2005	0.924										
3 Yr Mean	0.975	1.000	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 *			

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>
6/30/2013					0.995	0.999	0.996	1.000	1.000	1.000	1.000
6/30/2014				0.992	0.995	0.999	0.996	1.000	1.000	1.000	1.000
6/30/2015			1.046	0.992	0.995	0.999	0.996	1.000	1.000	1.000	1.000
6/30/2016		1.383	1.046	0.992	0.995	0.999	0.996	1.000	1.000	1.000	1.000
6/30/2017	1.302	1.383	1.046	0.992	0.995	0.999	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>
6/30/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.990
6/30/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.027
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.421
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.850

\* 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

<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>
6/30/1998	167,143	209,991	370,557	413,400	418,687	571,806	819,861	864,745	863,516	863,883	863,883
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	80,786	282,706	377,841	373,984	374,183	394,181	389,242	389,646	389,242	389,242
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	70,129	230,545	356,628	421,938	426,262	566,668	548,914	598,914	625,193	626,087	626,087
6/30/2005	102,122	225,091	529,516	732,664	841,765	886,053	1,122,973	1,145,094	1,141,672	1,141,672	1,141,672
6/30/2006	23,517	172,612	486,138	548,525	569,283	589,270	589,187	644,488	627,143	627,143	631,631
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	
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		
6/30/2010	49,675	121,865	376,434	566,510	564,054	545,518	541,087	541,086			
6/30/2011	35,043	269,528	451,154	720,104	892,319	861,091	861,190				
6/30/2012	174,161	426,835	683,949	788,051	838,060	841,910					
6/30/2013	27,259	358,279	607,916	1,078,000	1,154,230						
6/30/2014	92,399	239,482	495,659	957,167							
6/30/2015	72,497	115,105	369,504								
6/30/2016	43,284	157,140									
6/30/2017	10,784										

<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>
6/30/1998	863,883	863,883	863,883	863,883	863,883	863,883	863,883	863,883	863,883
6/30/1999	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		
6/30/2001	389,242	389,308	389,308	389,308	389,308	389,308			
6/30/2002	296,950	296,989	296,989	296,989	296,989				
6/30/2003	631,379	631,379	631,379	631,379					
6/30/2004	626,416	627,779	627,848						
6/30/2005	1,141,673	1,118,426							
6/30/2006	631,631								

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	Increments									
	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159			
6/30/1998	42,848	160,566	42,843	5,287	153,119	248,055	44,884	-1,229	367	0	0	0	
6/30/1999	105,286	509,299	136,394	97,742	17,288	757	-2,417	0	-404	404	-404	0	
6/30/2000	58,135	28,056	22,937	78,992	16,329	37,957	8,676	-404	12,529	-184	0	175	
6/30/2001	62,982	201,920	95,135	-3,857	199	19,998	-4,939	404	-404	0	0	66	
6/30/2002	83,188	51,105	124,678	11,466	4,035	0	10,534	0	0	0	0	39	
6/30/2003	78,154	294,228	216,728	28,904	4,316	8,879	-28,032	371	45	0	0	0	
6/30/2004	160,416	126,083	65,310	4,324	140,406	-17,754	50,000	26,279	894	0	329	1,363	
6/30/2005	122,969	304,425	203,148	109,101	44,288	236,920	22,121	-3,422	0	0	1	-23,247	
6/30/2006	149,095	313,526	62,387	20,758	19,987	-83	55,301	-17,345	0	4,488	0		
6/30/2007	309,341	-57,808	159,901	124,862	-37,160	26,275	-1,565	-3,040	0	0			
6/30/2008	90,750	361,667	147,989	82,371	162,487	7,164	1,818	-3,047	0				
6/30/2009	107,582	656,164	-31,200	341,360	78,668	15,703	15,000	1					
6/30/2010	72,190	254,569	190,076	-2,456	-18,536	-4,431	-1						
6/30/2011	234,485	181,626	268,950	172,215	-31,228	99							
6/30/2012	252,674	257,114	104,102	50,009	3,850								
6/30/2013	331,020	249,637	470,084	76,230									
6/30/2014	147,083	256,177	461,508										
6/30/2015	42,608	254,399											
6/30/2016	113,856												

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
6/30/1998	0.0128	0.0479	0.0128	0.0016	0.0456	0.0739	0.0134	-0.0004	0.0001	0.0000	0.0000	0.0000	0.0000
6/30/1999	0.0202	0.0975	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	0.0581	0.1864	0.0878	-0.0036	0.0002	0.0185	-0.0046	0.0004	-0.0004	0.0000	0.0000	0.0001	0.0000
6/30/2002	0.0855	0.0525	0.1282	0.0118	0.0041	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	0.1294	0.1017	0.0527	0.0035	0.1133	-0.0143	0.0403	0.0212	0.0007	0.0000	0.0003	0.0011	0.0001
6/30/2005	0.0655	0.1622	0.1082	0.0581	0.0236	0.1262	0.0118	-0.0018	0.0000	0.0000	0.0000	-0.0124	
6/30/2006	0.0440	0.0925	0.0184	0.0061	0.0059	0.0000	0.0163	-0.0051	0.0000	0.0013	0.0000		
6/30/2007	0.1254	-0.0234	0.0648	0.0506	-0.0151	0.0107	-0.0006	-0.0012	0.0000	0.0000			
6/30/2008	0.0614	0.2447	0.1001	0.0557	0.1099	0.0048	0.0012	-0.0021	0.0000				
6/30/2009	0.0415	0.2529	-0.0120	0.1315	0.0303	0.0061	0.0058	0.0000					
6/30/2010	0.0447	0.1576	0.1177	-0.0015	-0.0115	-0.0027	0.0000						
6/30/2011	0.0864	0.0670	0.0991	0.0635	-0.0115	0.0000							
6/30/2012	0.1189	0.1210	0.0490	0.0235	0.0018								
6/30/2013	0.1085	0.0818	0.1541	0.0250									
6/30/2014	0.0659	0.1148	0.2068										
6/30/2015	0.0140	0.0837											
6/30/2016	0.0860												

Best 3/5	0.0868	0.0934	0.1236	0.0373	0.0069	0.0036	0.0023	-0.0017	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
6/30/1998	1,197,641	1,572,977	1,748,593	1,937,364	2,116,397	2,386,381	2,361,783	2,187,041	2,238,726	2,425,591	2,360,579
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	1,831,421	2,100,649	2,193,849	2,717,520	2,744,304	2,650,706	2,579,018	2,911,817	2,796,507	2,732,387	2,714,386
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	809,667	1,101,059	1,021,050	991,551	1,054,374	1,111,935	1,077,331	1,077,332	1,078,830	1,122,331
6/30/2003	648,628	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	1,142,692	1,242,301	1,406,853	1,422,214	1,404,624	1,398,083	1,398,080	1,446,830	1,704,758	1,646,662	1,699,077
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	1,670,684	2,076,809	2,010,388	2,087,546	2,009,043	1,986,945	1,986,343	1,993,845	1,993,593	1,993,593	
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		
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			
6/30/2011	1,814,575	1,923,480	1,853,389	1,724,746	1,838,381	1,833,528	1,837,547				
6/30/2012	1,501,630	1,764,427	1,890,073	1,899,462	1,946,825	1,927,710					
6/30/2013	1,679,515	1,482,185	1,671,978	1,610,379	1,626,875						
6/30/2014	1,930,458	2,044,307	2,033,808	2,036,711							
6/30/2015	1,454,101	1,292,368	1,726,059								
6/30/2016	2,481,664	2,781,559									
6/30/2017	1,687,165										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/1998	2,380,385	2,367,811	2,356,586	2,328,586	2,328,586	2,305,586	2,305,586	2,104,391	2,104,391		
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			
6/30/2000	2,709,544	2,704,345	2,709,544	2,704,544	2,704,544	2,696,645	2,696,645				
6/30/2001	1,162,335	1,155,028	1,155,328	1,155,028	1,155,027	1,155,029					
6/30/2002	1,112,333	1,112,331	1,112,331	1,112,331	1,112,331						
6/30/2003	798,120	798,120	798,120	798,120							
6/30/2004	941,692	941,793	961,699								
6/30/2005	1,016,062	1,011,062									
6/30/2006	1,698,577										

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.	<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>
6/30/1998	1.313	1.112	1.108	1.092	1.128	0.990	0.926	1.024	1.083	0.973	1.008
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	1.063	1.055	0.969	1.000	1.001	1.040	0.991
6/30/2003	1.132	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	
6/30/2008	1.243	0.968	1.038	0.962	0.989	1.000	1.004	1.000	1.000		
6/30/2009	1.072	0.968	0.977	0.995	1.070	1.051	1.001	0.999			
6/30/2010	1.220	0.994	1.038	0.984	1.003	1.012	1.009				
6/30/2011	1.060	0.964	0.931	1.066	0.997	1.002					
6/30/2012	1.175	1.071	1.005	1.025	0.990						
6/30/2013	0.883	1.128	0.963	1.010							
6/30/2014	1.059	0.995	1.001								
6/30/2015	0.889	1.336									
6/30/2016	1.121										

3 Yr Mean 1.023 1.153 0.990 1.034 0.997 1.022 1.005 1.008 0.989 1.011 1.000

Best 3/5 1.023 1.065 0.990 1.010 0.997 1.022 1.010 1.008 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>			
6/30/1998	0.995	0.995	0.988	1.000	0.990	1.000	0.913	1.000			
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	0.999 *	1.000 *	1.000 *			
6/30/2002	1.000	1.000	1.000	1.000	1.000 *	0.999 *	1.000 *	1.000 *			
6/30/2003	1.000	1.000	1.000								
6/30/2004	1.000	1.021									
6/30/2005	0.995										

3 Yr Mean 0.998 1.007 1.000 1.000 0.999 @ 1.000 @ 0.957 @ 1.000 @

Best 3/5 0.998 1.001 0.999 1.000 0.999 \* 1.000 \* 1.000 \* 1.000 \*

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>
6/30/2013					0.997	1.022	1.010	1.008	1.000	1.000	1.000
6/30/2014				1.010	0.997	1.022	1.010	1.008	1.000	1.000	1.000
6/30/2015			0.990	1.010	0.997	1.022	1.010	1.008	1.000	1.000	1.000
6/30/2016		1.065	0.990	1.010	0.997	1.022	1.010	1.008	1.000	1.000	1.000
6/30/2017	1.023	1.065	0.990	1.010	0.997	1.022	1.010	1.008	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>
6/30/2013	0.998	1.001	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.034
6/30/2014	0.998	1.001	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.045
6/30/2015	0.998	1.001	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.034
6/30/2016	0.998	1.001	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.101
6/30/2017	0.998	1.001	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.127

\* 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

<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>
6/30/1998	71,235	193,999	388,188	553,227	788,951	849,926	1,300,341	1,514,272	1,699,827	1,862,641	1,943,670
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	561,407	652,293	669,229	670,774	552,348	568,471
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	70,085	91,812	194,096	210,484	203,688	203,688	206,624	360,928	384,341	398,451
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	103,211	184,791	241,418	320,575	327,602	312,881	315,709	327,448	320,292	320,292	
6/30/2009	26,694	191,148	238,341	287,162	275,328	347,925	447,574	426,473	428,187		
6/30/2010	47,212	115,214	170,700	267,761	300,600	303,555	310,632	321,145			
6/30/2011	143,493	321,203	386,362	353,610	377,768	383,901	386,668				
6/30/2012	123,158	227,966	464,953	486,176	608,250	614,318					
6/30/2013	114,329	266,324	510,663	577,510	600,542						
6/30/2014	96,523	319,902	395,620	514,753							
6/30/2015	90,438	233,186	461,422								
6/30/2016	237,324	439,280									
6/30/2017	173,808										

<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>
6/30/1998	2,018,390	2,031,131	2,003,527	2,018,529	2,106,429	2,064,974	2,063,654	2,063,654	2,063,654
6/30/1999	819,157	821,367	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		
6/30/2001	683,400	683,400	683,400	683,400	683,400	683,400			
6/30/2002	582,809	582,809	582,809	582,809	582,809				
6/30/2003	112,434	112,434	112,434	112,434					
6/30/2004	338,156	338,156	348,156						
6/30/2005	173,162	173,162							
6/30/2006	398,451								

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>
6/30/1998	122,764	194,189	165,039	235,724	60,975	450,415	213,931	185,555	162,814	81,029	74,720	12,741	-27,604
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	172,700	90,886	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	
6/30/2006	47,198	21,727	102,284	16,388	-6,796	0	2,936	154,304	23,413	14,110	0		
6/30/2007	212,980	5,964	-30,837	86,297	12,868	75,310	47,999	1,122	0	0			
6/30/2008	81,580	56,627	79,157	7,027	-14,721	2,828	11,739	-7,156	0				
6/30/2009	164,454	47,193	48,821	-11,834	72,597	99,649	-21,101	1,714					
6/30/2010	68,002	55,486	97,061	32,839	2,955	7,077	10,513						
6/30/2011	177,710	65,159	-32,752	24,158	6,133	2,767							
6/30/2012	104,808	236,987	21,223	122,074	6,068								
6/30/2013	151,995	244,339	66,847	23,032									
6/30/2014	223,379	75,718	119,133										
6/30/2015	142,748	228,236											
6/30/2016	201,956												

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>	
6/30/1998	0.0450	0.0712	0.0605	0.0864	0.0223	0.1650	0.0784	0.0680	0.0597	0.0297	0.0274	0.0047	-0.0101
6/30/1999	0.0079	0.0545	0.0085	0.0300	-0.0012	0.0248	0.0518	-0.0179	0.0225	-0.0067	0.0031	0.0008	-0.0045
6/30/2000	0.0193	0.0990	0.0202	0.0346	0.0152	0.0057	0.0619	0.0125	-0.0030	-0.0102	0.0000	-0.0037	0.0000
6/30/2001	-0.0001	0.0184	0.0912	0.0498	0.0857	0.0553	0.0256	0.0006	-0.0058	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0447	0.0473	0.0489	0.0246	0.1063	0.0560	0.0104	0.0010	-0.0729	0.0099	0.0088	0.0000	0.0000
6/30/2003	0.0512	0.0161	0.0028	0.0331	0.0088	-0.0005	0.0000	0.0244	-0.0157	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.1231	0.0416	-0.0553	0.0191	0.0031	0.0000	0.0000	0.0071	0.0000	0.0001	0.0000	0.0000	0.0054
6/30/2005	0.0028	0.0673	0.0309	0.0031	0.0000	0.0007	0.0000	0.0000	0.0001	-0.0001	0.0000	0.0000	
6/30/2006	0.0235	0.0108	0.0510	0.0082	-0.0034	0.0000	0.0015	0.0769	0.0117	0.0070	0.0000		
6/30/2007	0.0930	0.0026	-0.0135	0.0377	0.0056	0.0329	0.0210	0.0005	0.0000	0.0000			
6/30/2008	0.0344	0.0239	0.0334	0.0030	-0.0062	0.0012	0.0050	-0.0030	0.0000				
6/30/2009	0.0723	0.0208	0.0215	-0.0052	0.0319	0.0438	-0.0093	0.0008					
6/30/2010	0.0318	0.0259	0.0453	0.0153	0.0014	0.0033	0.0049						
6/30/2011	0.0696	0.0255	-0.0128	0.0095	0.0024	0.0011							
6/30/2012	0.0478	0.1081	0.0097	0.0557	0.0028								
6/30/2013	0.0799	0.1285	0.0352	0.0121									
6/30/2014	0.0964	0.0327	0.0514										
6/30/2015	0.0796	0.1273											
6/30/2016	0.0547												

Best 3/5	0.0714	0.0893	0.0301	0.0123	0.0022	0.0125	0.0038	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
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
6/30/1998	3,454,920	3,963,286	4,789,620	4,806,367	4,738,651	4,685,790	4,685,790	4,700,790	4,700,790	4,689,002	4,689,002
6/30/1999	2,659,202	3,292,490	3,691,718	3,629,418	3,816,034	3,820,034	3,820,034	3,762,657	3,863,657	3,862,657	3,866,657
6/30/2000	2,942,222	3,508,168	3,754,063	3,642,218	3,765,201	3,680,035	3,680,508	3,785,501	3,785,501	3,685,501	3,685,501
6/30/2001	2,424,911	2,568,573	2,848,561	2,633,001	2,563,748	2,509,328	2,609,328	2,609,362	2,609,337	2,609,327	2,609,327
6/30/2002	1,942,161	2,289,711	2,358,271	2,509,478	2,450,880	2,516,040	2,469,870	2,469,870	2,469,870	2,469,870	2,469,870
6/30/2003	1,827,078	1,989,151	3,025,127	2,976,725	2,922,225	2,882,224	2,829,924	2,821,124	2,820,758	2,820,758	2,820,758
6/30/2004	2,122,350	2,154,738	2,248,139	2,113,923	2,123,922	2,025,406	2,000,406	1,990,054	1,995,054	1,995,054	1,995,054
6/30/2005	2,517,019	2,737,129	3,066,236	2,730,093	2,790,678	2,735,124	2,735,124	2,735,124	2,775,123	2,765,678	2,765,678
6/30/2006	2,515,375	3,039,209	3,313,690	2,953,738	3,058,563	3,053,563	3,077,313	3,077,313	3,077,313	3,082,313	3,077,313
6/30/2007	2,479,359	2,441,804	2,504,049	2,476,126	2,236,528	2,236,106	2,236,106	2,236,106	2,236,106	2,236,106	2,236,106
6/30/2008	2,370,147	2,579,838	2,548,690	2,570,308	2,763,111	2,863,274	2,848,274	2,858,274	2,935,774	2,935,774	
6/30/2009	1,991,128	1,958,863	1,972,606	2,008,767	1,913,767	1,988,148	1,888,147	1,888,147	1,888,147		
6/30/2010	2,078,940	2,538,161	3,065,538	3,127,753	3,227,753	3,227,753	3,227,753	3,227,753			
6/30/2011	2,346,797	2,485,003	3,001,597	2,645,172	2,611,877	2,594,377	2,594,377				
6/30/2012	1,743,322	2,311,361	3,079,566	2,936,536	2,901,536	2,901,536					
6/30/2013	2,456,673	2,423,679	2,119,106	2,115,107	2,176,410						
6/30/2014	2,325,985	2,669,866	2,794,038	2,936,076							
6/30/2015	2,662,882	2,824,265	3,434,121								
6/30/2016	1,460,326	2,387,319									
6/30/2017	2,801,834										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/1998	4,689,002	4,689,002	4,689,002	4,689,002	4,689,002	4,689,002	4,689,002	4,689,002	4,689,002		
6/30/1999	3,866,657	3,866,657	3,866,657	3,866,657	3,866,657	3,863,207	3,863,207	3,863,207			
6/30/2000	3,685,501	3,685,501	3,685,501	3,685,501	3,682,051	3,682,050	3,682,050				
6/30/2001	2,609,327	2,609,327	2,609,327	2,609,327	2,609,327	2,609,327					
6/30/2002	2,469,870	2,469,870	2,499,870	2,489,609	2,489,609						
6/30/2003	2,820,758	2,820,758	2,823,749	2,823,749							
6/30/2004	1,995,054	1,995,054	1,995,054								
6/30/2005	2,765,678	2,765,678									
6/30/2006	3,077,413										



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.	<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>
6/30/1998	1.147	1.208	1.003	0.986	0.989	1.000	1.003	1.000	0.997	1.000	1.000
6/30/1999	1.238	1.121	0.983	1.051	1.001	1.000	0.985	1.027	1.000	1.001	1.000
6/30/2000	1.192	1.070	0.970	1.034	0.977	1.000	1.029	1.000	0.974	1.000	1.000
6/30/2001	1.059	1.109	0.924	0.974	0.979	1.040	1.000	1.000	1.000	1.000	1.000
6/30/2002	1.179	1.030	1.064	0.977	1.027	0.982	1.000	1.000	1.000	1.000	1.000
6/30/2003	1.089	1.521	0.984	0.982	0.986	0.982	0.997	1.000	1.000	1.000	1.000
6/30/2004	1.015	1.043	0.940	1.005	0.954	0.988	0.995	1.003	1.000	1.000	1.000
6/30/2005	1.087	1.120	0.890	1.022	0.980	1.000	1.000	1.015	0.997	1.000	1.000
6/30/2006	1.208	1.090	0.891	1.035	0.998	1.008	1.000	1.000	1.002	0.998	1.000
6/30/2007	0.985	1.025	0.989	0.903	1.000	1.000	1.000	1.000	1.000	1.000	
6/30/2008	1.088	0.988	1.008	1.075	1.036	0.995	1.004	1.027	1.000		
6/30/2009	0.984	1.007	1.018	0.953	1.039	0.950	1.000	1.000			
6/30/2010	1.221	1.208	1.020	1.032	1.000	1.000	1.000				
6/30/2011	1.059	1.208	0.881	0.987	0.993	1.000					
6/30/2012	1.326	1.332	0.954	0.988	1.000						
6/30/2013	0.987	0.874	0.998	1.029							
6/30/2014	1.148	1.047	1.051								
6/30/2015	1.061	1.216									
6/30/2016	1.635										

3 Yr Mean 1.281 1.046 1.001 1.001 0.998 0.983 1.001 1.009 1.001 0.999 1.000

Best 3/5 1.178 1.157 0.991 1.001 1.012 0.998 1.000 1.005 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>			
6/30/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
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								
6/30/2004	1.000	1.000									
6/30/2005	1.000										

3 Yr Mean 1.000 1.004 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.	<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>
6/30/2013					1.012	0.998	1.000	1.005	1.000	1.000	1.000
6/30/2014				1.001	1.012	0.998	1.000	1.005	1.000	1.000	1.000
6/30/2015			0.991	1.001	1.012	0.998	1.000	1.005	1.000	1.000	1.000
6/30/2016		1.157	0.991	1.001	1.012	0.998	1.000	1.005	1.000	1.000	1.000
6/30/2017	1.178	1.157	0.991	1.001	1.012	0.998	1.000	1.005	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>
6/30/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.015
6/30/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.016
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.007
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.165
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.372

\* 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>
6/30/1998	512,448	829,315	1,383,624	1,531,791	1,796,241	1,652,304	1,667,791	1,667,791	1,727,015	1,721,505	1,721,505
6/30/1999	466,077	551,749	766,556	974,500	1,106,660	1,156,566	1,197,517	1,131,757	1,363,363	1,353,046	1,429,270
6/30/2000	434,840	459,702	704,565	835,370	945,869	1,034,929	1,050,791	1,074,023	1,086,265	1,002,496	999,303
6/30/2001	240,092	463,390	654,902	904,729	927,408	954,411	954,411	950,898	962,140	955,726	955,726
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	169,011	382,331	432,259	552,993	580,492	570,220	556,206	553,830	552,642	552,048	552,048
6/30/2005	416,011	446,043	709,936	828,816	999,261	960,158	985,218	991,573	967,847	967,847	967,782
6/30/2006	170,480	294,635	668,888	728,940	740,033	734,129	737,801	752,219	752,219	754,392	765,778
6/30/2007	432,189	499,814	749,641	989,699	1,207,504	1,227,718	1,227,718	1,227,718	1,227,718	1,228,597	1,228,597
6/30/2008	308,709	927,969	1,189,647	1,075,944	1,048,551	1,294,996	1,320,686	1,357,257	1,381,182	1,380,509	
6/30/2009	231,262	236,536	490,833	482,713	624,316	818,741	835,879	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			
6/30/2011	263,860	757,688	1,642,428	1,456,835	1,483,965	1,434,805	1,494,757				
6/30/2012	437,737	428,667	1,000,896	944,838	946,068	968,765					
6/30/2013	253,558	420,122	494,728	673,707	724,273						
6/30/2014	438,844	669,045	1,102,171	1,520,088							
6/30/2015	364,392	591,284	1,154,816								
6/30/2016	193,919	483,092									
6/30/2017	544,592										

<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>
6/30/1998	1,721,505	1,721,505	1,721,505	1,721,505	1,721,505	1,721,505	1,721,505	1,721,505	1,721,505
6/30/1999	1,416,381	1,416,576	1,416,658	1,416,764	1,416,680	1,414,298	1,414,298	1,414,298	
6/30/2000	999,498	999,580	999,686	999,602	997,220	997,220	997,220		
6/30/2001	955,726	955,726	955,726	955,726	955,726	955,726			
6/30/2002	564,615	564,615	640,798	640,798	640,798				
6/30/2003	900,535	900,535	920,971	920,971					
6/30/2004	552,048	552,048	552,048						
6/30/2005	967,782	967,782							
6/30/2006	765,778								

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

	Increments												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/1998	316,867	554,309	148,167	264,450	-143,937	15,487	0	59,224	-5,510	0	0	0	0
6/30/1999	85,672	214,807	207,944	132,160	49,906	40,951	-65,760	231,606	-10,317	76,224	-12,889	195	82
6/30/2000	24,862	244,863	130,805	110,499	89,060	15,862	23,232	12,242	-83,769	-3,193	195	82	106
6/30/2001	223,298	191,512	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	213,320	49,928	120,734	27,499	-10,272	-14,014	-2,376	-1,188	-594	0	0	0	0
6/30/2005	30,032	263,893	118,880	170,445	-39,103	25,060	6,355	-23,726	0	-65	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		
6/30/2007	67,625	249,827	240,058	217,805	20,214	0	0	0	879	0			
6/30/2008	619,260	261,678	-113,703	-27,393	246,445	25,690	36,571	23,925	-673				
6/30/2009	5,274	254,297	-8,120	141,603	194,425	17,138	26,787	0					
6/30/2010	155,922	345,537	59,518	182,815	95,622	13,449	251						
6/30/2011	493,828	884,740	-185,593	27,130	-49,160	59,952							
6/30/2012	-9,070	572,229	-56,058	1,230	22,697								
6/30/2013	166,564	74,606	178,979	50,566									
6/30/2014	230,201	433,126	417,917										
6/30/2015	226,892	563,532											
6/30/2016	289,173												

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>
6/30/1998	0.0417	0.0730	0.0195	0.0348	-0.0189	0.0020	0.0000	0.0078	-0.0007	0.0000	0.0000	0.0000	0.0000
6/30/1999	0.0147	0.0369	0.0357	0.0227	0.0086	0.0070	-0.0113	0.0398	-0.0018	0.0131	-0.0022	0.0000	0.0000
6/30/2000	0.0053	0.0520	0.0278	0.0235	0.0189	0.0034	0.0049	0.0026	-0.0178	-0.0007	0.0000	0.0000	0.0000
6/30/2001	0.0618	0.0530	0.0692	0.0063	0.0075	0.0000	-0.0010	0.0031	-0.0018	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0134	0.0126	0.0372	0.0000	0.0153	0.0033	0.0150	0.0018	-0.0046	-0.0051	0.0000	0.0000	0.0241
6/30/2003	0.0091	0.0737	0.0744	0.0066	0.0101	-0.0126	-0.0021	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0059
6/30/2004	0.1041	0.0244	0.0589	0.0134	-0.0050	-0.0068	-0.0012	-0.0006	-0.0003	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0078	0.0683	0.0308	0.0441	-0.0101	0.0065	0.0016	-0.0061	0.0000	0.0000	0.0000	0.0000	
6/30/2006	0.0310	0.0936	0.0150	0.0028	-0.0015	0.0009	0.0036	0.0000	0.0005	0.0028	0.0000		
6/30/2007	0.0182	0.0671	0.0645	0.0585	0.0054	0.0000	0.0000	0.0000	0.0002	0.0000			
6/30/2008	0.1270	0.0537	-0.0233	-0.0056	0.0505	0.0053	0.0075	0.0049	-0.0001				
6/30/2009	0.0022	0.1072	-0.0034	0.0597	0.0820	0.0072	0.0113	0.0000					
6/30/2010	0.0284	0.0628	0.0108	0.0332	0.0174	0.0024	0.0000						
6/30/2011	0.1622	0.2906	-0.0610	0.0089	-0.0161	0.0197							
6/30/2012	-0.0023	0.1440	-0.0141	0.0003	0.0057								
6/30/2013	0.0615	0.0275	0.0661	0.0187									
6/30/2014	0.0690	0.1298	0.1253										
6/30/2015	0.0422	0.1048											
6/30/2016	0.0915												

Best 3/5	0.0576	0.1262	0.0209	0.0203	0.0245	0.0050	0.0037	0.0000	0.0000	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
6/30/1998	360,658	517,475	440,322	536,147	545,684	545,684	580,684	690,684	642,715	642,715	642,715
6/30/1999	522,843	664,060	581,770	611,769	721,269	642,680	714,290	699,966	649,966	649,965	649,965
6/30/2000	529,305	601,794	699,113	731,613	820,613	930,724	933,144	932,644	942,644	932,644	932,644
6/30/2001	341,099	408,621	594,520	554,520	652,861	606,005	560,231	560,230	560,230	560,230	585,230
6/30/2002	222,969	177,155	150,509	330,870	335,532	255,032	260,031	255,032	255,032	257,032	255,032
6/30/2003	347,177	269,183	346,293	300,251	297,490	317,490	388,123	388,123	388,123	388,123	388,123
6/30/2004	239,432	244,881	347,096	347,096	347,996	352,769	352,769	352,769	352,769	352,769	352,769
6/30/2005	290,287	282,608	294,989	299,339	304,339	299,339	324,339	317,186	316,887	316,887	316,887
6/30/2006	277,242	192,797	311,285	323,841	323,891	483,886	523,886	493,337	414,684	404,684	404,684
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	267,854	328,668	390,228	429,976	437,806	478,807	478,807	478,807	478,807	478,807	
6/30/2009	404,293	371,701	375,002	326,067	315,066	315,066	315,066	315,066	315,066		
6/30/2010	578,160	563,739	715,294	682,884	697,884	660,084	695,082	678,477			
6/30/2011	620,025	697,040	722,414	657,914	657,914	667,915	660,628				
6/30/2012	1,296,274	1,182,805	1,299,431	1,319,829	1,276,704	1,276,704					
6/30/2013	641,311	573,334	534,368	529,916	539,920						
6/30/2014	822,618	879,928	1,025,696	968,568							
6/30/2015	1,352,823	1,501,483	1,544,332								
6/30/2016	597,933	490,347									
6/30/2017	358,471										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/1998	642,715	596,555	596,555	596,555	596,555	596,555	596,555	596,555	596,555
6/30/1999	649,965	649,965	649,965	649,965	649,965	649,965	649,965	649,965	
6/30/2000	932,644	932,644	932,645	957,644	932,644	932,644	932,644		
6/30/2001	585,230	585,230	585,230	585,230	582,430	582,430			
6/30/2002	255,032	255,032	255,032	248,911	248,911				
6/30/2003	388,123	388,123	388,373	388,373					
6/30/2004	352,769	352,769	352,769						
6/30/2005	316,887	316,887							
6/30/2006	404,684								

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
6/30/1998	1.435	0.851	1.218	1.018	1.000	1.064	1.189	0.931	1.000	1.000	1.000
6/30/1999	1.270	0.876	1.052	1.179	0.891	1.111	0.980	0.929	1.000	1.000	1.000
6/30/2000	1.137	1.162	1.046	1.122	1.134	1.003	0.999	1.011	0.989	1.000	1.000
6/30/2001	1.198	1.455	0.933	1.177	0.928	0.924	1.000	1.000	1.000	1.045	1.000
6/30/2002	0.795	0.850	2.198	1.014	0.760	1.020	0.981	1.000	1.008	0.992	1.000
6/30/2003	0.775	1.286	0.867	0.991	1.067	1.222	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.023	1.417	1.000	1.003	1.014	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2005	0.974	1.044	1.015	1.017	0.984	1.084	0.978	0.999	1.000	1.000	1.000
6/30/2006	0.695	1.615	1.040	1.000	1.494	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	
6/30/2008	1.227	1.187	1.102	1.018	1.094	1.000	1.000	1.000	1.000		
6/30/2009	0.919	1.009	0.870	0.966	1.000	1.000	1.000	1.000			
6/30/2010	0.975	1.269	0.955	1.022	0.946	1.053	0.976				
6/30/2011	1.124	1.036	0.911	1.000	1.015	0.989					
6/30/2012	0.912	1.099	1.016	0.967	1.000						
6/30/2013	0.894	0.932	0.992	1.019							
6/30/2014	1.070	1.166	0.944								
6/30/2015	1.110	1.029									
6/30/2016	0.820										
3 Yr Mean	1.000	1.042	0.984	0.995	0.987	1.014	0.992	1.048	0.981	1.000	1.000
Best 3/5	0.959	1.055	0.964	0.995	1.005	0.997	0.992	1.000	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		
6/30/1998	0.928	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
6/30/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *		
6/30/2000	1.000	1.000	1.027	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	0.998 *	1.000 *	1.000 *	1.000 *		
6/30/2003	1.000	1.001	1.000							
6/30/2004	1.000	1.000								
6/30/2005	1.000									
3 Yr Mean	1.000	1.000	0.992	0.990	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
6/30/2013					1.005	0.997	0.992	1.000	0.992	1.000	1.000
6/30/2014				0.995	1.005	0.997	0.992	1.000	0.992	1.000	1.000
6/30/2015			0.964	0.995	1.005	0.997	0.992	1.000	0.992	1.000	1.000
6/30/2016		1.055	0.964	0.995	1.005	0.997	0.992	1.000	0.992	1.000	1.000
6/30/2017	0.959	1.055	0.964	0.995	1.005	0.997	0.992	1.000	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
6/30/2013	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	0.984
6/30/2014	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	0.979
6/30/2015	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	0.944
6/30/2016	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	0.996
6/30/2017	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000*	0.955

\* 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

<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>
6/30/1998	8,550	50,798	144,214	271,925	268,610	264,759	261,199	274,263	343,008	369,304	372,456
6/30/1999	27,050	57,428	80,094	91,239	134,250	115,170	131,127	136,338	136,338	136,338	136,338
6/30/2000	25,856	64,504	88,761	396,607	481,044	507,334	507,441	507,873	507,873	507,873	507,873
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	24,334	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	
6/30/2009	17,925	29,917	68,007	108,883	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			
6/30/2011	123,218	193,133	221,056	200,252	200,252	221,752	206,736				
6/30/2012	88,843	179,570	209,988	274,260	277,131	277,131					
6/30/2013	33,272	37,274	42,660	43,268	43,268						
6/30/2014	45,419	62,930	121,005	138,004							
6/30/2015	161,906	272,932	316,267								
6/30/2016	57,121	107,893									
6/30/2017	25,735										

<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>
6/30/1998	373,936	375,992	392,448	392,448	392,448	392,448	392,448	392,448	392,448
6/30/1999	136,338	136,338	136,338	136,338	136,338	136,338	136,338	136,338	
6/30/2000	507,873	507,873	522,872	540,848	530,127	530,127	530,127		
6/30/2001	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				
6/30/2003	201,615	201,615	201,615	201,615					
6/30/2004	298,963	298,963	298,963						
6/30/2005	67,196	67,196							
6/30/2006	486,412								

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

A.Y.E.	27: 15	39: 27	51: 39	Increments									
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/1998	42,248	93,416	127,711	-3,315	-3,851	-3,560	13,064	68,745	26,296	3,152	1,480	2,056	16,456
6/30/1999	30,378	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	18,094	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	0	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	0	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	0	0	0	0	0	0	0	0
6/30/2013	4,002	5,386	608	0	0	0	0	0	0	0	0	0	0
6/30/2014	17,511	58,075	16,999	0	0	0	0	0	0	0	0	0	0
6/30/2015	111,026	43,335	0	0	0	0	0	0	0	0	0	0	0
6/30/2016	50,772	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
6/30/1998	0.0691	0.1528	0.2089	-0.0054	-0.0063	-0.0058	0.0214	0.1124	0.0430	0.0052	0.0024	0.0034	0.0269
6/30/1999	0.0281	0.0210	0.0103	0.0398	-0.0176	0.0148	0.0048	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2000	0.0227	0.0143	0.1811	0.0497	0.0155	0.0001	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0088
6/30/2001	-0.0054	0.0991	-0.0809	0.0696	-0.0696	0.0087	0.0000	0.0000	0.0004	0.0112	0.0050	0.0000	0.0000
6/30/2002	0.0080	0.0000	0.1848	0.1258	-0.0239	0.0034	0.0026	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0446	0.0540	0.0868	0.0000	0.0097	0.2401	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	-0.0155	0.4564	-0.0035	0.1138	0.0262	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0140	0.0198	-0.0019	0.0022	0.0006	0.0224	0.0551	0.0000	0.0000	0.0000	0.0000	0.0000	
6/30/2006	0.0246	0.4173	0.0698	0.0101	0.3790	0.9861	0.0865	-1.4084	-0.0118	0.0000	0.0000		
6/30/2007	0.1134	0.1034	0.0323	0.0308	0.0197	-0.0004	-0.0052	0.0036	0.0122	0.0000			
6/30/2008	0.0526	0.0698	0.0735	0.1814	0.0087	-0.0172	0.0000	-0.0025	0.0011				
6/30/2009	0.0362	0.1150	0.1234	-0.0102	0.0000	0.0000	0.0000	0.0000					
6/30/2010	0.0364	0.0782	0.0178	0.0072	0.0077	0.0296	-0.0122						
6/30/2011	0.0931	0.0372	-0.0277	0.0000	0.0286	-0.0200							
6/30/2012	0.0405	0.0136	0.0287	0.0013	0.0000								
6/30/2013	0.0066	0.0088	0.0010	0.0000									
6/30/2014	0.0166	0.0550	0.0161										
6/30/2015	0.0366	0.0143											
6/30/2016	0.0534												

Best 3/5	0.0312	0.0217	0.0116	0.0004	0.0055	-0.0058	-0.0017	-0.0008	0.0004	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>
6/30/1998	70,883,652	117,155,879	138,554,869	145,775,673	153,659,916	155,255,490	155,768,583	155,291,787	154,687,505	154,116,614	153,518,606
6/30/1999	79,410,885	114,531,064	136,908,506	155,468,016	162,270,612	164,211,653	165,167,157	163,584,789	163,699,433	163,421,830	163,270,967
6/30/2000	62,256,695	97,708,747	142,978,549	160,479,786	166,267,589	166,088,015	165,346,478	164,392,934	163,600,620	163,292,344	162,911,426
6/30/2001	57,741,009	122,655,048	165,880,202	182,222,499	187,609,487	183,137,649	180,505,934	179,336,537	178,823,146	178,866,913	178,371,283
6/30/2002	57,431,486	100,084,883	132,690,752	149,437,020	147,869,547	144,349,898	142,129,621	140,872,839	140,779,776	140,411,285	140,721,258
6/30/2003	60,756,760	98,992,508	134,759,492	147,337,077	144,612,275	141,358,797	140,366,809	139,292,855	138,589,373	138,536,032	138,229,769
6/30/2004	65,491,176	107,028,654	142,508,994	148,327,799	144,827,017	142,979,756	140,495,019	139,660,314	139,276,222	139,654,947	139,524,846
6/30/2005	63,260,490	101,101,847	130,612,888	139,367,695	136,665,161	133,245,129	131,499,190	131,121,726	130,882,896	131,007,100	131,053,500
6/30/2006	68,623,876	103,487,470	129,250,917	133,868,894	130,869,528	129,132,704	129,731,118	129,827,676	128,935,201	128,437,955	128,043,568
6/30/2007	68,000,937	101,516,363	128,463,303	133,993,788	132,306,206	131,585,570	130,522,880	130,254,617	130,065,186	129,849,441	130,059,259
6/30/2008	74,331,057	110,486,252	141,231,497	147,723,987	145,397,115	143,945,838	143,968,620	143,234,465	142,737,539	142,762,876	
6/30/2009	72,228,602	113,666,991	138,158,042	148,097,843	146,172,839	144,900,674	144,231,507	143,325,314	142,767,859		
6/30/2010	80,223,010	113,000,625	143,033,138	148,951,096	149,132,447	146,971,559	146,267,113	146,694,743			
6/30/2011	80,461,808	122,715,128	151,572,648	165,168,188	163,837,192	161,210,741	161,237,528				
6/30/2012	72,587,240	106,878,674	135,542,530	142,560,603	142,170,825	141,911,247					
6/30/2013	67,735,813	108,278,753	130,547,356	136,961,475	139,613,302						
6/30/2014	81,462,506	121,985,347	158,414,146	171,073,376							
6/30/2015	68,974,492	107,303,884	142,865,700								
6/30/2016	60,635,896	99,087,326									
6/30/2017	69,308,488										
<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>		
6/30/1998	153,820,953	153,906,123	153,930,024	153,933,582	153,860,231	153,760,734	153,846,627	153,907,056	153,961,485		
6/30/1999	163,266,356	163,477,912	163,251,586	163,252,909	163,221,833	163,297,897	163,206,636	163,297,078			
6/30/2000	162,867,909	162,843,732	162,751,512	162,921,314	162,867,733	162,956,882	163,018,270				
6/30/2001	178,579,560	178,554,713	178,854,261	178,638,460	178,368,663	178,591,555					
6/30/2002	140,395,323	140,447,857	140,286,986	140,257,624	140,271,415						
6/30/2003	138,466,219	138,276,100	138,080,490	138,050,918							
6/30/2004	139,769,358	139,704,440	139,774,304								
6/30/2005	131,187,697	131,265,189									
6/30/2006	128,038,314										



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

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

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

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

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

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.981
6/30/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.978
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.037
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.314
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.038

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

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

\$100,000 Basic Limit Losses as of:

<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>
6/30/1998	5,427,648	10,610,137	12,121,343	14,289,584	15,088,869	15,525,226	14,393,464	14,401,259	14,962,960	14,517,503	14,538,503
6/30/1999	4,895,851	8,228,372	12,600,128	14,631,758	15,298,384	14,550,213	14,281,073	14,924,516	14,762,508	14,773,467	14,776,535
6/30/2000	3,881,876	8,095,107	13,441,165	16,447,101	13,383,613	13,655,586	15,048,489	14,280,156	14,129,295	14,171,206	13,965,398
6/30/2001	5,401,370	11,763,717	16,431,760	14,668,268	14,529,506	15,859,467	15,815,841	15,318,314	14,826,782	14,991,914	14,986,066
6/30/2002	5,086,944	9,988,658	13,213,568	14,614,310	14,243,134	14,851,215	14,034,434	14,433,849	14,115,978	14,302,587	14,419,977
6/30/2003	7,547,568	10,377,352	13,807,989	15,950,352	16,699,951	15,646,157	15,487,029	15,144,368	15,133,253	14,949,074	15,356,838
6/30/2004	6,393,168	10,986,353	14,285,069	17,182,890	15,952,362	16,266,952	15,132,323	15,684,869	15,430,550	15,641,088	15,538,518
6/30/2005	6,691,534	11,850,305	15,411,468	15,691,400	16,194,803	15,603,706	15,945,891	15,777,687	15,581,597	15,199,666	15,241,667
6/30/2006	8,597,858	13,340,176	17,747,235	19,398,016	18,142,499	18,470,649	18,434,343	18,331,856	18,393,144	18,246,027	18,256,655
6/30/2007	8,666,339	13,192,857	15,730,005	17,896,694	17,636,982	17,625,311	17,508,136	17,912,852	18,122,453	18,188,378	18,103,923
6/30/2008	11,512,926	14,866,932	18,753,577	20,514,838	20,733,233	19,885,579	20,299,573	20,247,210	20,222,164	20,073,480	
6/30/2009	7,029,606	13,862,909	16,667,935	17,277,477	18,275,980	18,061,540	18,395,761	18,154,741	18,391,552		
6/30/2010	10,575,287	14,789,436	17,539,348	19,137,801	19,835,080	20,180,292	20,036,294	19,640,833			
6/30/2011	10,971,477	16,292,367	19,673,745	21,257,437	21,397,170	21,413,762	21,528,792				
6/30/2012	8,805,961	15,415,883	20,470,134	22,286,951	22,584,730	22,531,458					
6/30/2013	9,012,591	16,288,943	18,478,508	20,173,158	20,095,259						
6/30/2014	11,760,080	17,546,995	21,104,242	23,811,491							
6/30/2015	8,643,777	15,314,419	21,352,381								
6/30/2016	9,927,544	14,640,652									
6/30/2017	10,134,801										
<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>		
6/30/1998	14,533,503	14,533,604	14,516,253	14,536,253	14,536,253	14,516,253	14,516,253	14,516,253	14,616,253		
6/30/1999	14,773,229	14,756,630	14,729,090	14,631,630	14,531,630	14,531,632	14,531,630	14,631,630			
6/30/2000	14,014,544	14,104,944	14,038,445	14,043,440	14,038,440	13,944,940	13,944,940				
6/30/2001	14,882,928	15,103,208	15,126,112	15,086,912	15,084,411	15,084,411					
6/30/2002	15,000,300	15,044,229	15,139,889	15,254,290	15,112,618						
6/30/2003	15,540,006	15,596,473	15,592,304	15,543,303							
6/30/2004	15,537,405	15,600,804	15,600,804								
6/30/2005	15,207,090	14,981,457									
6/30/2006	18,289,857										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.955	1.142	1.179	1.056	1.029	0.927	1.001	1.039	0.970	1.001	1.000
6/30/1999	1.681	1.531	1.161	1.046	0.951	0.982	1.045	0.989	1.001	1.000	1.000
6/30/2000	2.085	1.660	1.224	0.814	1.020	1.102	0.949	0.989	1.003	0.985	1.004
6/30/2001	2.178	1.397	0.893	0.991	1.092	0.997	0.969	0.968	1.011	1.000	0.993
6/30/2002	1.964	1.323	1.106	0.975	1.043	0.945	1.028	0.978	1.013	1.008	1.040
6/30/2003	1.375	1.331	1.155	1.047	0.937	0.990	0.978	0.999	0.988	1.027	1.012
6/30/2004	1.718	1.300	1.203	0.928	1.020	0.930	1.037	0.984	1.014	0.993	1.000
6/30/2005	1.771	1.301	1.018	1.032	0.964	1.022	0.989	0.988	0.975	1.003	0.998
6/30/2006	1.552	1.330	1.093	0.935	1.018	0.998	0.994	1.003	0.992	1.001	1.002
6/30/2007	1.522	1.192	1.138	0.985	0.999	0.993	1.023	1.012	1.004	0.995	
6/30/2008	1.291	1.261	1.094	1.011	0.959	1.021	0.997	0.999	0.993		
6/30/2009	1.972	1.202	1.037	1.058	0.988	1.019	0.987	1.013			
6/30/2010	1.398	1.186	1.091	1.036	1.017	0.993	0.980				
6/30/2011	1.485	1.208	1.080	1.007	1.001	1.005					
6/30/2012	1.751	1.328	1.089	1.013	0.998						
6/30/2013	1.807	1.134	1.092	0.996							
6/30/2014	1.492	1.203	1.128								
6/30/2015	1.772	1.394									
6/30/2016	1.475										
3 Yr Mean	1.580	1.244	1.103	1.005	1.005	1.006	0.988	1.008	0.996	1.000	1.000
Best 3/5	1.672	1.246	1.091	1.019	0.996	1.006	0.993	1.005	0.996	1.000	1.005

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

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

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2013	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	1.001
6/30/2014	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	1.020
6/30/2015	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	1.113
6/30/2016	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	1.386
6/30/2017	1.004	1.001	0.998	0.998	0.999	1.000	1.000	1.000	1.000*	2.318

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

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

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

Best 3/5	0.0682	0.1056	0.0918	0.0482	0.0300	0.0102	0.0084	0.0039	0.0026	0.0007	0.0012	0.0018	0.0012
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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>
6/30/1998	87,454,828	101,751,390	107,459,304	118,364,179	118,704,161	119,561,244	120,245,995	119,154,942	119,328,495	118,807,912	118,883,610
6/30/1999	101,622,351	114,454,848	131,609,187	129,619,851	132,260,735	131,890,828	131,028,007	129,895,439	130,352,216	130,339,384	130,701,810
6/30/2000	112,892,420	139,239,190	142,606,630	147,889,328	148,013,284	147,503,832	146,306,152	146,964,661	147,488,452	147,932,853	147,834,960
6/30/2001	121,836,644	131,452,412	142,117,318	147,319,117	148,323,680	148,879,832	149,785,461	149,661,284	150,383,301	151,387,386	151,787,396
6/30/2002	103,073,841	117,467,542	122,898,883	125,286,615	125,980,086	126,968,516	126,875,681	127,289,949	127,427,068	128,008,598	128,525,966
6/30/2003	90,536,427	101,316,491	107,474,166	108,950,273	108,899,883	109,730,826	109,889,282	111,029,036	111,413,812	111,563,152	111,783,276
6/30/2004	99,924,101	114,116,589	119,654,986	120,323,334	120,754,088	120,957,358	120,868,966	121,538,663	121,844,437	121,998,581	122,320,830
6/30/2005	104,361,655	112,384,264	113,861,418	116,559,532	117,478,221	117,671,808	118,465,360	119,239,141	119,356,363	120,049,130	120,088,035
6/30/2006	107,245,778	117,847,934	120,921,973	121,928,911	123,056,151	123,988,042	125,232,198	126,300,555	126,894,381	127,713,546	127,954,053
6/30/2007	113,427,182	124,369,609	127,598,162	128,944,475	130,566,694	132,140,560	133,262,541	134,273,970	135,084,687	136,130,419	136,086,696
6/30/2008	121,381,537	132,633,683	135,515,177	136,665,218	139,086,909	140,694,061	141,677,915	142,502,985	143,241,498	143,769,349	
6/30/2009	125,642,191	135,248,901	138,182,211	141,125,682	140,565,653	141,799,077	142,357,812	143,093,801	144,799,226		
6/30/2010	118,310,295	129,563,870	131,912,439	133,945,750	135,387,833	135,581,972	136,410,662	136,698,597			
6/30/2011	129,887,193	141,698,572	145,634,398	145,651,351	146,089,595	146,960,618	147,915,639				
6/30/2012	134,064,698	143,323,306	145,814,262	146,652,080	147,739,200	148,741,609					
6/30/2013	125,683,981	136,487,584	141,617,186	143,101,268	143,888,135						
6/30/2014	122,995,577	133,779,959	138,493,471	139,941,217							
6/30/2015	123,912,097	135,166,887	141,549,113								
6/30/2016	125,566,722	139,638,372									
6/30/2017	135,246,367										

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

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.163	1.056	1.101	1.003	1.007	1.006	0.991	1.001	0.996	1.001	1.002
6/30/1999	1.126	1.150	0.985	1.020	0.997	0.993	0.991	1.004	1.000	1.003	1.000
6/30/2000	1.233	1.024	1.037	1.001	0.997	0.992	1.005	1.004	1.003	0.999	1.004
6/30/2001	1.079	1.081	1.037	1.007	1.004	1.006	0.999	1.005	1.007	1.003	0.999
6/30/2002	1.140	1.046	1.019	1.006	1.008	0.999	1.003	1.001	1.005	1.004	1.000
6/30/2003	1.119	1.061	1.014	1.000	1.008	1.001	1.010	1.003	1.001	1.002	1.004
6/30/2004	1.142	1.049	1.006	1.004	1.002	0.999	1.006	1.003	1.001	1.003	1.002
6/30/2005	1.077	1.013	1.024	1.008	1.002	1.007	1.007	1.001	1.006	1.000	1.001
6/30/2006	1.099	1.026	1.008	1.009	1.008	1.010	1.009	1.005	1.006	1.002	1.001
6/30/2007	1.096	1.026	1.011	1.013	1.012	1.008	1.008	1.006	1.008	1.000	
6/30/2008	1.093	1.022	1.008	1.018	1.012	1.007	1.006	1.005	1.004		
6/30/2009	1.076	1.022	1.021	0.996	1.009	1.004	1.005	1.012			
6/30/2010	1.095	1.018	1.015	1.011	1.001	1.006	1.002				
6/30/2011	1.091	1.028	1.000	1.003	1.006	1.006					
6/30/2012	1.069	1.017	1.006	1.007	1.007						
6/30/2013	1.086	1.038	1.010	1.005							
6/30/2014	1.088	1.035	1.010								
6/30/2015	1.091	1.047									
6/30/2016	1.112										

3 Yr Mean 1.097 1.040 1.009 1.005 1.005 1.005 1.004 1.008 1.006 1.001 1.001

Best 3/5 1.088 1.034 1.009 1.005 1.007 1.006 1.006 1.005 1.005 1.001 1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1998	1.001	1.001	1.000	1.000	1.000	1.000	0.998	1.002			
6/30/1999	1.002	0.998	1.001	1.000	0.999	1.001	1.002	1.000 *			
6/30/2000	0.995	1.000	1.000	1.001	1.000	1.002	1.000 *	1.000 *			
6/30/2001	0.999	1.002	0.999	1.001	1.001	1.000 *	1.000 *	1.000 *			
6/30/2002	1.001	1.003	1.004	1.001	1.001 *	1.000 *	1.000 *	1.000 *			
6/30/2003	1.001	1.002	1.000								
6/30/2004	1.001	1.004									
6/30/2005	1.003										

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

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2013					1.007	1.006	1.006	1.005	1.005	1.001	1.001
6/30/2014				1.005	1.007	1.006	1.006	1.005	1.005	1.001	1.001
6/30/2015			1.009	1.005	1.007	1.006	1.006	1.005	1.005	1.001	1.001
6/30/2016		1.034	1.009	1.005	1.007	1.006	1.006	1.005	1.005	1.001	1.001
6/30/2017	1.088	1.034	1.009	1.005	1.007	1.006	1.006	1.005	1.005	1.001	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2013	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.036
6/30/2014	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.041
6/30/2015	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.050
6/30/2016	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.086
6/30/2017	1.001	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.181

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

<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>
6/30/1998	21,040,176	24,382,592	24,995,600	26,679,639	27,420,041	27,883,328	28,198,947	28,444,648	28,314,914	28,721,598	28,494,325
6/30/1999	18,242,395	20,875,398	22,614,091	24,358,169	26,385,747	26,857,501	26,956,335	27,200,893	27,294,006	27,381,145	27,360,907
6/30/2000	18,529,705	23,278,039	26,185,932	28,319,677	29,059,643	28,980,802	29,221,440	29,024,650	29,138,873	29,463,691	29,731,285
6/30/2001	21,692,804	27,031,178	29,553,044	31,139,024	31,816,506	32,256,894	32,548,639	33,269,860	33,914,436	33,911,840	33,641,183
6/30/2002	19,755,806	24,286,206	24,662,678	24,782,824	25,101,023	26,416,701	26,469,784	27,122,355	27,113,667	27,179,224	27,176,371
6/30/2003	20,590,916	22,401,453	22,598,535	23,166,428	24,320,908	24,201,785	24,691,698	24,907,899	25,101,997	25,306,871	25,337,210
6/30/2004	21,001,069	23,820,264	25,972,686	26,196,592	26,358,544	26,929,541	27,161,200	27,313,292	27,397,275	27,474,660	27,652,783
6/30/2005	22,361,630	25,223,418	26,978,817	27,542,932	27,835,369	27,615,533	27,886,798	28,041,050	28,550,931	28,742,096	28,833,273
6/30/2006	22,346,303	25,752,115	26,694,769	27,127,177	26,924,371	27,318,148	27,673,513	27,907,504	28,005,817	28,408,788	28,372,718
6/30/2007	25,908,881	27,607,426	28,698,815	28,739,602	28,747,995	28,572,948	29,142,784	28,983,663	29,026,828	29,148,146	29,198,057
6/30/2008	26,987,043	30,363,527	31,624,185	32,316,163	31,832,983	32,644,677	32,682,617	32,467,890	32,912,358	33,071,283	
6/30/2009	28,205,653	28,727,612	29,939,195	30,425,612	30,264,026	30,201,146	29,933,183	30,308,947	30,560,871		
6/30/2010	22,929,897	24,439,167	25,096,781	25,614,884	25,543,378	25,754,642	26,473,933	26,439,631			
6/30/2011	24,134,060	25,285,989	26,286,138	26,192,088	26,234,917	26,530,284	26,524,417				
6/30/2012	23,437,162	25,898,506	27,193,519	27,386,678	27,312,573	27,648,223					
6/30/2013	22,276,522	24,689,782	26,142,045	26,123,764	25,712,787						
6/30/2014	24,794,684	26,628,402	27,390,502	27,624,870							
6/30/2015	26,785,256	29,551,886	30,834,363								
6/30/2016	27,209,023	28,868,741									
6/30/2017	24,764,545										
<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>		
6/30/1998	28,601,938	28,714,960	28,657,780	28,753,546	28,749,947	28,749,947	28,749,947	28,713,763	28,713,763		
6/30/1999	27,387,400	27,454,857	27,396,526	27,392,378	27,394,378	27,392,378	27,380,003	27,396,670			
6/30/2000	29,674,067	29,489,183	29,488,780	29,443,780	29,446,111	29,294,088	29,310,655				
6/30/2001	33,818,646	33,991,805	34,101,073	34,109,665	34,009,478	34,058,545					
6/30/2002	27,360,428	27,401,957	27,240,041	27,106,124	27,116,288						
6/30/2003	25,405,807	25,346,749	25,300,702	25,387,518							
6/30/2004	27,723,111	27,690,028	27,726,743								
6/30/2005	28,767,937	28,966,816									
6/30/2006	28,619,696										



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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.159	1.025	1.067	1.028	1.017	1.011	1.009	0.995	1.014	0.992	1.004
6/30/1999	1.144	1.083	1.077	1.083	1.018	1.004	1.009	1.003	1.003	0.999	1.001
6/30/2000	1.256	1.125	1.081	1.026	0.997	1.008	0.993	1.004	1.011	1.009	0.998
6/30/2001	1.246	1.093	1.054	1.022	1.014	1.009	1.022	1.019	1.000	0.992	1.005
6/30/2002	1.229	1.016	1.005	1.013	1.052	1.002	1.025	1.000	1.002	1.000	1.007
6/30/2003	1.088	1.009	1.025	1.050	0.995	1.020	1.009	1.008	1.008	1.001	1.003
6/30/2004	1.134	1.090	1.009	1.006	1.022	1.009	1.006	1.003	1.003	1.006	1.003
6/30/2005	1.128	1.070	1.021	1.011	0.992	1.010	1.006	1.018	1.007	1.003	0.998
6/30/2006	1.152	1.037	1.016	0.993	1.015	1.013	1.008	1.004	1.014	0.999	1.009
6/30/2007	1.066	1.040	1.001	1.000	0.994	1.020	0.995	1.001	1.004	1.002	
6/30/2008	1.125	1.042	1.022	0.985	1.025	1.001	0.993	1.014	1.005		
6/30/2009	1.019	1.042	1.016	0.995	0.998	0.991	1.013	1.008			
6/30/2010	1.066	1.027	1.021	0.997	1.008	1.028	0.999				
6/30/2011	1.048	1.040	0.996	1.002	1.011	1.000					
6/30/2012	1.105	1.050	1.007	0.997	1.012						
6/30/2013	1.108	1.059	0.999	0.984							
6/30/2014	1.074	1.029	1.009								
6/30/2015	1.103	1.043									
6/30/2016	1.061										

3 Yr Mean 1.079 1.044 1.005 0.994 1.010 1.006 1.002 1.008 1.008 1.001 1.003

Best 3/5 1.094 1.044 1.005 0.996 1.010 1.007 1.001 1.009 1.005 1.002 1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1998	1.004	0.998	1.003	1.000	1.000	1.000	0.999	1.000			
6/30/1999	1.002	0.998	1.000	1.000	1.000	1.000	1.001	1.000 *			
6/30/2000	0.994	1.000	0.998	1.000	0.995	1.001	1.000 *	1.000 *			
6/30/2001	1.005	1.003	1.000	0.997	1.001	1.000 *	1.000 *	1.000 *			
6/30/2002	1.002	0.994	0.995	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2003	0.998	0.998	1.003								
6/30/2004	0.999	1.001									
6/30/2005	1.007										

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

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2013					1.010	1.007	1.001	1.009	1.005	1.002	1.004
6/30/2014				0.996	1.010	1.007	1.001	1.009	1.005	1.002	1.004
6/30/2015			1.005	0.996	1.010	1.007	1.001	1.009	1.005	1.002	1.004
6/30/2016		1.044	1.005	0.996	1.010	1.007	1.001	1.009	1.005	1.002	1.004
6/30/2017	1.094	1.044	1.005	0.996	1.010	1.007	1.001	1.009	1.005	1.002	1.004

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
6/30/2013	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.040
6/30/2014	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.035
6/30/2015	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.041
6/30/2016	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.086
6/30/2017	1.002	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.189

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

Increments													
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	5,301,893	8,611,831	8,113,550	3,904,694	6,322,954	6,714,838	9,087,744	-500,936	-291,985	527,853	237,319	104,531	448,880
6/30/1999	6,761,016	7,259,439	5,651,953	4,396,718	3,310,694	1,945,903	4,252,162	2,836,958	3,560,830	962,890	24,703	473,432	-65,623
6/30/2000	7,873,195	5,523,824	8,053,245	6,163,545	6,132,776	3,681,884	3,324,409	3,270,314	1,433,129	-150,426	1,612,505	-108,607	-419,099
6/30/2001	5,442,112	9,539,442	11,258,822	11,010,519	5,996,766	5,499,719	3,410,416	1,892,372	1,089,463	2,112,917	1,613,161	-139,813	-301,491
6/30/2002	7,899,494	7,001,400	7,711,751	6,898,810	5,059,982	2,636,245	1,512,899	1,740,912	438,763	779,030	779,296	250,192	960,116
6/30/2003	7,050,160	8,257,214	7,540,173	5,513,832	1,350,112	4,264,069	756,133	1,302,194	1,303,827	1,078,696	929,816	1,080,196	286,466
6/30/2004	7,381,402	8,593,113	8,090,159	4,732,759	3,218,645	1,161,348	1,617,992	1,353,276	624,391	547,770	479,731	538,804	1,962,640
6/30/2005	5,034,270	6,379,267	6,684,161	4,915,712	2,777,734	3,161,859	1,501,983	1,428,699	778,563	578,909	-3,295	862,812	
6/30/2006	7,204,442	8,606,124	6,681,972	6,331,981	4,687,737	2,268,979	2,318,633	1,637,943	1,361,810	1,338,010	1,118,198		
6/30/2007	6,708,203	7,811,372	7,156,934	6,688,864	3,990,519	2,346,697	1,341,711	2,075,027	1,146,681	864,286			
6/30/2008	8,867,883	9,266,353	6,954,803	6,967,147	1,895,650	2,296,003	4,228,246	2,483,124	2,439,477				
6/30/2009	7,677,115	8,154,139	7,909,768	5,639,986	3,004,289	1,824,371	1,469,438	1,447,523					
6/30/2010	10,081,851	6,698,145	8,135,829	4,840,535	2,215,941	3,396,736	1,211,596						
6/30/2011	7,526,516	9,502,628	6,464,416	3,899,866	3,123,932	1,872,124							
6/30/2012	7,965,489	7,999,004	3,756,612	4,582,924	3,033,025								
6/30/2013	10,450,540	11,819,494	10,590,744	7,652,609									
6/30/2014	10,301,686	9,346,606	7,024,894										
6/30/2015	8,301,550	9,013,710											
6/30/2016	10,886,466												

Incremental Percentages													
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	0.0347	0.0564	0.0532	0.0256	0.0414	0.0440	0.0596	-0.0033	-0.0019	0.0035	0.0016	0.0007	0.0029
6/30/1999	0.0411	0.0441	0.0343	0.0267	0.0201	0.0118	0.0258	0.0172	0.0216	0.0058	0.0002	0.0029	-0.0004
6/30/2000	0.0409	0.0287	0.0419	0.0321	0.0319	0.0191	0.0173	0.0170	0.0075	-0.0008	0.0084	-0.0006	-0.0022
6/30/2001	0.0278	0.0488	0.0576	0.0563	0.0307	0.0281	0.0174	0.0097	0.0056	0.0108	0.0082	-0.0007	-0.0015
6/30/2002	0.0475	0.0421	0.0464	0.0415	0.0304	0.0159	0.0091	0.0105	0.0026	0.0047	0.0047	0.0015	0.0058
6/30/2003	0.0481	0.0563	0.0514	0.0376	0.0092	0.0291	0.0052	0.0089	0.0089	0.0074	0.0063	0.0074	0.0020
6/30/2004	0.0465	0.0541	0.0509	0.0298	0.0203	0.0073	0.0102	0.0085	0.0039	0.0034	0.0030	0.0034	0.0124
6/30/2005	0.0324	0.0410	0.0430	0.0316	0.0179	0.0203	0.0097	0.0092	0.0050	0.0037	0.0000	0.0056	
6/30/2006	0.0438	0.0523	0.0406	0.0385	0.0285	0.0138	0.0141	0.0100	0.0083	0.0081	0.0068		
6/30/2007	0.0392	0.0456	0.0418	0.0391	0.0233	0.0137	0.0078	0.0121	0.0067	0.0050			
6/30/2008	0.0468	0.0489	0.0367	0.0367	0.0100	0.0121	0.0223	0.0131	0.0129				
6/30/2009	0.0403	0.0428	0.0415	0.0296	0.0158	0.0096	0.0077	0.0076					
6/30/2010	0.0555	0.0369	0.0448	0.0266	0.0122	0.0187	0.0067						
6/30/2011	0.0378	0.0477	0.0325	0.0196	0.0157	0.0094							
6/30/2012	0.0402	0.0403	0.0189	0.0231	0.0153								
6/30/2013	0.0535	0.0605	0.0542	0.0392									
6/30/2014	0.0537	0.0487	0.0366										
6/30/2015	0.0430	0.0466											
6/30/2016	0.0546												

Best 3/5	0.0500	0.0477	0.0380	0.0264	0.0144	0.0118	0.0099	0.0104	0.0067	0.0054	0.0047	0.0035	0.0021
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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>
6/30/1998	8,819,302	13,105,233	13,597,305	14,652,309	15,256,746	15,786,699	15,400,348	15,641,463	15,142,573	15,371,241	15,230,915
6/30/1999	8,527,033	12,023,330	13,487,437	14,562,814	14,409,546	14,775,381	14,775,242	15,402,696	15,323,290	15,283,428	15,275,664
6/30/2000	10,286,782	13,167,724	15,871,340	17,093,451	17,003,344	16,931,817	17,085,132	17,381,389	17,019,282	16,991,345	17,035,440
6/30/2001	10,281,846	14,431,282	16,801,827	17,227,165	17,629,004	17,880,882	18,443,341	18,636,508	18,180,752	17,918,248	18,123,366
6/30/2002	9,977,308	14,323,101	15,212,709	15,346,957	15,714,001	15,355,548	15,023,291	14,866,104	14,828,796	14,652,530	14,570,186
6/30/2003	9,919,311	11,108,577	12,502,424	13,819,029	12,984,246	13,075,083	12,192,911	12,338,683	12,431,732	12,213,689	12,240,705
6/30/2004	12,307,691	18,098,048	21,499,479	22,154,962	22,151,097	20,668,729	19,872,422	19,782,093	19,582,669	19,758,541	19,495,052
6/30/2005	13,200,204	16,286,939	18,137,100	18,625,177	17,754,558	17,298,997	17,175,596	17,160,674	17,153,619	17,035,753	17,033,563
6/30/2006	13,801,300	17,799,317	18,644,658	17,895,495	17,762,705	17,550,461	17,340,179	17,211,583	16,966,988	17,258,738	17,135,641
6/30/2007	13,366,038	15,234,678	16,915,874	17,102,960	16,135,528	16,000,211	15,649,898	15,756,717	15,485,503	15,461,845	15,556,211
6/30/2008	10,115,680	12,165,430	12,813,558	12,807,269	12,722,539	12,250,626	12,056,910	12,063,256	12,105,603	12,079,810	
6/30/2009	8,886,209	11,355,160	12,074,276	11,928,039	11,765,558	11,800,136	11,364,535	11,308,527	11,172,149		
6/30/2010	10,068,431	11,223,628	12,197,962	12,177,340	11,530,308	11,547,398	11,618,357	11,553,083			
6/30/2011	7,997,510	9,387,730	10,333,786	9,447,023	9,565,411	9,688,972	10,066,267				
6/30/2012	5,922,235	7,401,237	7,691,225	8,616,356	8,178,127	8,655,275					
6/30/2013	6,674,991	7,529,083	8,157,809	8,795,713	9,133,941						
6/30/2014	5,787,620	8,913,769	10,203,331	10,708,592							
6/30/2015	7,829,837	10,458,535	11,171,035								
6/30/2016	7,460,740	9,336,061									
6/30/2017	6,953,699										
<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>		
6/30/1998	15,193,179	15,455,562	15,382,147	15,293,507	15,295,743	15,287,854	15,260,802	15,243,374	15,232,909		
6/30/1999	15,261,263	15,255,974	15,190,925	15,192,024	15,219,831	15,244,184	15,163,132	15,150,718			
6/30/2000	17,049,139	17,047,428	17,035,412	17,078,996	17,060,555	17,058,739	17,051,909				
6/30/2001	17,940,603	17,896,657	18,139,593	18,024,593	18,124,593	18,104,584					
6/30/2002	14,691,215	14,640,104	14,679,573	14,680,648	14,667,894						
6/30/2003	11,992,442	11,992,442	12,092,442	12,100,442							
6/30/2004	19,583,696	19,601,348	19,583,696								
6/30/2005	16,933,563	16,872,583									
6/30/2006	17,032,246										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.486	1.038	1.078	1.041	1.035	0.976	1.016	0.968	1.015	0.991	0.998
6/30/1999	1.410	1.122	1.080	0.989	1.025	1.000	1.042	0.995	0.997	0.999	0.999
6/30/2000	1.280	1.205	1.077	0.995	0.996	1.009	1.017	0.979	0.998	1.003	1.001
6/30/2001	1.404	1.164	1.025	1.023	1.014	1.031	1.010	0.976	0.986	1.011	0.990
6/30/2002	1.436	1.062	1.009	1.024	0.977	0.978	0.990	0.997	0.988	0.994	1.008
6/30/2003	1.120	1.125	1.105	0.940	1.007	0.933	1.012	1.008	0.982	1.002	0.980
6/30/2004	1.470	1.188	1.030	1.000	0.933	0.961	0.995	0.990	1.009	0.987	1.005
6/30/2005	1.234	1.114	1.027	0.953	0.974	0.993	0.999	1.000	0.993	1.000	0.994
6/30/2006	1.290	1.047	0.960	0.993	0.988	0.988	0.993	0.986	1.017	0.993	0.994
6/30/2007	1.140	1.110	1.011	0.943	0.992	0.978	1.007	0.983	0.998	1.006	
6/30/2008	1.203	1.053	1.000	0.993	0.963	0.984	1.001	1.004	0.998		
6/30/2009	1.278	1.063	0.988	0.986	1.003	0.963	0.995	0.988			
6/30/2010	1.115	1.087	0.998	0.947	1.001	1.006	0.994				
6/30/2011	1.174	1.101	0.914	1.013	1.013	1.039					
6/30/2012	1.250	1.039	1.120	0.949	1.058						
6/30/2013	1.128	1.084	1.078	1.038							
6/30/2014	1.540	1.145	1.050								
6/30/2015	1.336	1.068									
6/30/2016	1.251										

3 Yr Mean	1.376	1.099	1.083	1.000	1.024	1.003	0.997	0.992	1.004	1.000	0.998
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Best 3/5	1.279	1.084	1.042	0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1998	1.017	0.995	0.994	1.000	0.999	0.998	0.999	0.999			
6/30/1999	1.000	0.996	1.000	1.002	1.002	0.995	0.999	0.999 *			
6/30/2000	1.000	0.999	1.003	0.999	1.000	1.000	0.999 *	0.999 *			
6/30/2001	0.998	1.014	0.994	1.006	0.999	1.000 *	0.999 *	0.999 *			
6/30/2002	0.997	1.003	1.000	0.999	1.000 *	1.000 *	0.999 *	0.999 *			
6/30/2003	1.000	1.008	1.001								
6/30/2004	1.001	0.999									
6/30/2005	0.996										

3 Yr Mean	0.999	1.003	0.998	1.001	1.000 @	0.998 @	0.999 @	0.999 @			
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Best 3/5	0.998	1.003	1.000	1.000	1.000 *	0.999 *	0.999 *	0.999 *			
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Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2013					1.006	0.989	0.997	0.991	1.002	0.998	0.998
6/30/2014				0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998
6/30/2015			1.042	0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998
6/30/2016		1.084	1.042	0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998
6/30/2017	1.279	1.084	1.042	0.983	1.006	0.989	0.997	0.991	1.002	0.998	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2013	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	0.975
6/30/2014	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	0.959
6/30/2015	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	0.999
6/30/2016	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	1.083
6/30/2017	0.998	1.003	1.000	1.000	1.000	0.999	0.999	0.999	0.996*	1.385

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

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

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

Best 3/5	0.1968	0.3023	0.1982	0.0983	0.0785	0.0423	0.0173	0.0143	0.0012	0.0038	0.0024	0.0020	0.0090
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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>
6/30/1998	255,258,828	332,945,187	373,149,532	390,194,345	382,713,486	379,490,547	378,552,707	376,426,408	375,221,738	374,682,132	374,649,736
6/30/1999	270,245,348	356,159,736	415,955,615	424,178,882	419,114,487	417,024,456	413,388,185	409,831,807	410,113,187	409,901,069	409,784,917
6/30/2000	265,616,171	364,916,083	411,804,245	419,194,377	419,341,136	414,707,901	408,628,005	406,158,097	405,661,368	405,818,448	405,584,978
6/30/2001	263,078,317	343,288,606	382,980,591	400,811,231	400,167,841	392,448,026	390,032,739	387,773,727	386,995,559	385,961,888	385,743,907
6/30/2002	239,417,082	297,540,665	351,833,222	363,352,525	359,036,255	354,542,713	351,294,325	350,742,054	350,317,768	349,729,294	350,233,514
6/30/2003	242,891,349	326,472,313	385,984,476	391,957,868	382,607,529	375,878,638	373,405,222	370,757,033	369,407,045	369,148,146	369,083,227
6/30/2004	270,060,001	360,429,459	389,871,386	395,524,367	390,345,900	386,132,417	383,455,024	381,956,765	381,621,665	381,089,504	380,852,277
6/30/2005	281,629,788	331,563,164	375,884,789	380,476,400	380,409,284	374,476,814	372,240,130	371,064,459	369,582,890	370,112,227	370,272,285
6/30/2006	262,161,502	344,690,012	383,774,872	394,975,893	389,581,560	382,157,702	378,638,614	377,454,243	376,943,199	376,820,315	376,470,201
6/30/2007	294,527,883	376,256,739	416,907,370	421,982,157	413,970,777	407,557,176	404,581,980	402,852,853	401,655,190	401,739,646	401,620,018
6/30/2008	313,258,173	391,364,808	437,142,926	441,038,578	432,978,474	426,491,042	424,324,748	422,726,442	422,574,516	421,908,071	
6/30/2009	326,900,899	417,149,328	459,976,966	458,086,627	450,136,763	447,149,258	443,469,363	441,153,766	440,178,389		
6/30/2010	350,750,664	441,711,616	491,697,563	494,061,347	487,270,756	481,856,062	478,619,228	476,962,858			
6/30/2011	378,877,282	477,618,912	530,132,896	537,873,027	529,515,709	523,920,638	519,961,158				
6/30/2012	323,005,411	411,344,414	459,425,182	459,465,355	456,428,195	452,444,146					
6/30/2013	325,489,206	413,522,776	448,778,492	455,676,422	456,758,269						
6/30/2014	354,298,934	448,794,677	506,703,900	536,136,800							
6/30/2015	316,772,017	425,480,411	503,591,152								
6/30/2016	298,372,680	415,003,585									
6/30/2017	323,270,427										

  

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



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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.304	1.121	1.046	0.981	0.992	0.998	0.994	0.997	0.999	1.000	1.000
6/30/1999	1.318	1.168	1.020	0.988	0.995	0.991	0.991	1.001	0.999	1.000	1.002
6/30/2000	1.374	1.128	1.018	1.000	0.989	0.985	0.994	0.999	1.000	0.999	1.001
6/30/2001	1.305	1.116	1.047	0.998	0.981	0.994	0.994	0.998	0.997	0.999	1.001
6/30/2002	1.243	1.182	1.033	0.988	0.987	0.991	0.998	0.999	0.998	1.001	0.999
6/30/2003	1.344	1.182	1.015	0.976	0.982	0.993	0.993	0.996	0.999	1.000	1.000
6/30/2004	1.335	1.082	1.014	0.987	0.989	0.993	0.996	0.999	0.999	0.999	1.001
6/30/2005	1.177	1.134	1.012	1.000	0.984	0.994	0.997	0.996	1.001	1.000	1.000
6/30/2006	1.315	1.113	1.029	0.986	0.981	0.991	0.997	0.999	1.000	0.999	0.999
6/30/2007	1.277	1.108	1.012	0.981	0.985	0.993	0.996	0.997	1.000	1.000	
6/30/2008	1.249	1.117	1.009	0.982	0.985	0.995	0.996	1.000	0.998		
6/30/2009	1.276	1.103	0.996	0.983	0.993	0.992	0.995	0.998			
6/30/2010	1.259	1.113	1.005	0.986	0.989	0.993	0.997				
6/30/2011	1.261	1.110	1.015	0.984	0.989	0.992					
6/30/2012	1.273	1.117	1.000	0.993	0.991						
6/30/2013	1.270	1.085	1.015	1.002							
6/30/2014	1.267	1.129	1.058								
6/30/2015	1.343	1.184									
6/30/2016	1.391										

3 Yr Mean	1.334	1.133	1.024	0.993	0.990	0.992	0.996	0.998	0.999	1.000	1.000
Best 3/5	1.295	1.119	1.012	0.988	0.990	0.993	0.996	0.998	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1998	0.999	1.000	1.000	1.001	1.000	1.000	1.000	1.000			
6/30/1999	1.001	1.004	1.002	1.000	0.996	0.999	1.000	1.000 *			
6/30/2000	1.000	0.999	1.001	0.999	1.000	1.000	1.000 *	1.000 *			
6/30/2001	1.000	1.001	1.001	1.001	1.000	1.000 *	1.000 *	1.000 *			
6/30/2002	1.001	1.001	0.999	1.001	1.001 *	1.000 *	1.000 *	1.000 *			
6/30/2003	1.000	1.000	1.000								
6/30/2004	1.000	1.000									
6/30/2005	1.001										

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2013					0.990	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2014				0.988	0.990	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2015			1.012	0.988	0.990	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2016		1.119	1.012	0.988	0.990	0.993	0.996	0.998	1.000	1.000	1.000
6/30/2017	1.295	1.119	1.012	0.988	0.990	0.993	0.996	0.998	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2013	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	0.979
6/30/2014	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	0.967
6/30/2015	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	0.979
6/30/2016	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	1.095
6/30/2017	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000*	1.419

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

<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>
6/30/1998	11,030,838	14,545,883	14,737,056	15,569,105	15,873,763	15,900,937	15,808,546	15,762,190	15,575,503	15,379,626	15,382,839
6/30/1999	10,186,268	13,053,222	15,479,728	16,780,068	16,756,993	16,250,354	16,316,471	16,940,751	16,411,329	16,570,626	16,508,127
6/30/2000	10,082,049	15,447,756	18,155,146	17,243,534	16,295,258	16,604,041	16,643,837	16,218,770	16,173,324	16,158,323	16,139,573
6/30/2001	13,030,136	19,385,187	22,612,105	22,681,433	22,184,019	22,888,260	22,767,088	22,597,924	22,613,865	22,533,458	22,633,457
6/30/2002	12,498,270	17,904,343	18,137,832	18,244,366	19,034,624	18,611,611	18,804,499	18,533,744	18,700,269	18,610,056	18,610,055
6/30/2003	16,060,884	17,273,399	19,955,149	21,176,185	21,564,951	21,098,728	20,826,619	20,624,539	20,549,696	20,577,737	20,693,458
6/30/2004	17,927,417	25,459,785	23,941,951	26,082,005	24,680,280	23,894,136	23,161,871	23,049,124	22,983,398	23,144,932	23,176,805
6/30/2005	14,655,122	23,902,356	24,261,620	22,304,054	20,637,204	19,891,659	19,478,472	19,297,538	19,292,538	19,176,564	19,176,561
6/30/2006	14,700,810	18,609,667	20,687,084	19,930,233	19,784,857	19,623,420	19,791,111	19,805,221	19,872,619	19,870,503	19,940,503
6/30/2007	14,204,918	18,563,619	21,103,669	21,510,770	20,816,358	20,242,365	19,865,677	19,972,969	19,962,765	19,963,514	19,918,514
6/30/2008	16,120,363	18,906,928	21,076,625	21,531,735	21,055,188	20,443,003	20,395,253	20,217,363	20,069,028	20,058,842	
6/30/2009	15,727,578	18,834,991	19,463,960	20,521,478	19,571,604	19,322,806	19,355,379	19,224,108	19,259,330		
6/30/2010	12,592,938	13,636,761	15,970,223	16,598,834	17,229,196	16,851,776	16,807,996	16,661,292			
6/30/2011	11,654,115	15,872,519	17,973,948	18,591,773	18,258,171	18,034,423	17,731,755				
6/30/2012	12,120,325	15,699,664	17,424,393	17,309,523	17,523,360	17,228,823					
6/30/2013	12,178,112	15,346,449	16,836,090	17,274,461	17,385,350						
6/30/2014	14,497,177	17,580,759	19,955,928	20,785,824							
6/30/2015	15,795,902	21,209,724	24,248,201								
6/30/2016	17,463,597	21,850,009									
6/30/2017	15,583,789										
<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>		
6/30/1998	15,332,813	15,339,171	15,343,870	15,328,872	15,429,028	15,428,872	15,428,872	15,428,872	15,428,872		
6/30/1999	16,469,529	16,469,528	16,469,528	16,567,528	16,567,528	16,567,528	16,567,528	16,576,138			
6/30/2000	16,139,573	16,139,823	16,339,823	16,339,823	16,334,823	16,334,823	16,435,823				
6/30/2001	22,613,708	22,618,708	22,618,707	22,518,707	22,518,707	22,618,707					
6/30/2002	18,660,054	18,815,553	18,802,014	19,027,553	19,072,216						
6/30/2003	20,619,509	20,613,141	20,606,448								
6/30/2004	23,152,995	23,175,496	23,225,495								
6/30/2005	19,181,561	19,176,561									
6/30/2006	19,840,503										

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

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.319	1.013	1.056	1.020	1.002	0.994	0.997	0.988	0.987	1.000	0.997
6/30/1999	1.281	1.186	1.084	0.999	0.970	1.004	1.038	0.969	1.010	0.996	0.998
6/30/2000	1.532	1.175	0.950	0.945	1.019	1.002	0.974	0.997	0.999	0.999	1.000
6/30/2001	1.488	1.166	1.003	0.978	1.032	0.995	0.993	1.001	0.996	1.004	0.999
6/30/2002	1.433	1.013	1.006	1.043	0.978	1.010	0.986	1.009	0.995	1.000	1.003
6/30/2003	1.075	1.155	1.061	1.018	0.978	0.987	0.990	0.996	1.001	1.006	0.996
6/30/2004	1.420	0.940	1.089	0.946	0.968	0.969	0.995	0.997	1.007	1.001	0.999
6/30/2005	1.631	1.015	0.919	0.925	0.964	0.979	0.991	1.000	0.994	1.000	1.000
6/30/2006	1.266	1.112	0.963	0.993	0.992	1.009	1.001	1.003	1.000	1.004	0.995
6/30/2007	1.307	1.137	1.019	0.968	0.972	0.981	1.005	0.999	1.000	0.998	
6/30/2008	1.173	1.115	1.022	0.978	0.971	0.998	0.991	0.993	0.999		
6/30/2009	1.198	1.033	1.054	0.954	0.987	1.002	0.993	1.002			
6/30/2010	1.083	1.171	1.039	1.038	0.978	0.997	0.991				
6/30/2011	1.362	1.132	1.034	0.982	0.988	0.983					
6/30/2012	1.295	1.110	0.993	1.012	0.983						
6/30/2013	1.260	1.097	1.026	1.006							
6/30/2014	1.213	1.135	1.042								
6/30/2015	1.343	1.143									
6/30/2016	1.251										

3 Yr Mean	1.269	1.125	1.020	1.000	0.983	0.994	0.992	0.998	1.000	1.001	0.998
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Best 3/5	1.269	1.126	1.033	1.000	0.983	0.993	0.995	1.000	1.000	1.002	0.998
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1998	1.000	1.000	0.999	1.007	1.000	1.000	1.000	1.000			
6/30/1999	1.000	1.000	1.006	1.000	1.000	1.000	1.001	1.000 *			
6/30/2000	1.000	1.012	1.000	1.000	1.000	1.006	1.000 *	1.000 *			
6/30/2001	1.000	1.000	0.996	1.000	1.004	1.000 *	1.000 *	1.000 *			
6/30/2002	1.008	0.999	1.012	1.002	1.001 *	1.000 *	1.000 *	1.000 *			
6/30/2003	1.000	1.000	1.000								
6/30/2004	1.001	1.002									
6/30/2005	1.000										

3 Yr Mean	1.000	1.000	1.003	1.001	1.001 @	1.002 @	1.001 @	1.000 @			
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Best 3/5	1.000	1.001	1.002	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
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	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2013					0.983	0.993	0.995	1.000	1.000	1.002	0.998
6/30/2014				1.000	0.983	0.993	0.995	1.000	1.000	1.002	0.998
6/30/2015			1.033		0.983	0.993	0.995	1.000	1.000	1.002	0.998
6/30/2016		1.126	1.033	1.000	0.983	0.993	0.995	1.000	1.000	1.002	0.998
6/30/2017	1.269	1.126	1.033	1.000	0.983	0.993	0.995	1.000	1.000	1.002	0.998

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

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	23,789,273	23,552,970	21,665,070	3,098,541	4,370,109	1,188,587	825,594	2,098,858	1,862,319	739,379	601,757	185,119	156,982
6/30/1999	34,068,206	36,075,728	15,985,136	9,358,136	7,396,132	1,561,624	5,064,538	1,354,908	1,543,427	2,763,796	124,698	1,312,765	1,152,565
6/30/2000	34,171,671	31,336,940	22,442,584	11,804,496	5,642,102	4,683,493	2,091,417	2,395,433	1,324,453	214,443	2,174,128	785,269	-910
6/30/2001	30,156,911	31,922,855	21,133,019	13,942,302	10,647,555	3,305,997	2,344,163	1,572,287	2,806,282	1,471,535	-11,110	1,015,115	1,548,012
6/30/2002	23,922,035	38,635,690	22,867,126	19,333,725	5,900,592	5,444,697	2,591,681	736,728	1,671,628	-56,227	965,901	1,561,388	91,835
6/30/2003	33,214,033	37,691,774	33,806,543	15,749,202	4,669,054	3,875,463	1,474,438	1,766,812	1,414,669	95,772	1,009,339	624,904	457,927
6/30/2004	35,082,598	43,671,537	28,538,776	8,918,950	6,269,275	2,051,029	1,660,388	898,930	1,299,722	786,175	616,733	832,843	346,415
6/30/2005	37,025,303	45,395,995	28,694,983	13,692,291	6,838,809	3,527,746	2,966,481	1,326,642	1,623,338	504,512	-155,262	798,598	
6/30/2006	42,752,745	42,138,468	31,303,045	12,835,616	7,461,911	4,545,410	-420,290	1,630,087	1,486,372	631,965	834,939		
6/30/2007	43,246,204	43,598,500	34,167,853	15,902,819	6,735,274	2,663,559	1,539,844	3,238,642	900,338	601,663			
6/30/2008	44,400,298	57,809,144	40,810,191	19,591,034	8,480,636	3,655,161	2,579,838	1,132,659	-1,012,598				
6/30/2009	46,722,040	52,978,918	43,989,735	17,005,055	8,806,857	4,495,673	3,854,581	2,156,949					
6/30/2010	49,657,782	61,062,970	35,413,075	19,145,018	10,872,494	3,838,242	1,532,612						
6/30/2011	57,309,384	66,270,816	42,868,175	20,122,581	8,862,663	4,892,587							
6/30/2012	50,851,476	62,323,768	42,129,571	23,881,574	10,367,474								
6/30/2013	54,967,310	59,648,730	47,298,560	25,448,650									
6/30/2014	62,376,831	69,765,632	52,400,657										
6/30/2015	60,629,980	69,620,474											
6/30/2016	64,216,011												

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	0.0458	0.0454	0.0417	0.0060	0.0084	0.0023	0.0016	0.0040	0.0036	0.0014	0.0012	0.0004	0.0003
6/30/1999	0.0593	0.0628	0.0278	0.0163	0.0129	0.0027	0.0088	0.0024	0.0027	0.0048	0.0002	0.0023	0.0020
6/30/2000	0.0606	0.0556	0.0398	0.0209	0.0100	0.0083	0.0037	0.0042	0.0023	0.0004	0.0039	0.0014	0.0000
6/30/2001	0.0541	0.0573	0.0379	0.0250	0.0191	0.0059	0.0042	0.0028	0.0050	0.0026	0.0000	0.0018	0.0028
6/30/2002	0.0462	0.0747	0.0442	0.0374	0.0114	0.0105	0.0050	0.0014	0.0032	-0.0001	0.0019	0.0030	0.0002
6/30/2003	0.0613	0.0695	0.0624	0.0291	0.0086	0.0071	0.0027	0.0033	0.0026	0.0002	0.0019	0.0012	0.0008
6/30/2004	0.0637	0.0793	0.0518	0.0162	0.0114	0.0037	0.0030	0.0016	0.0024	0.0014	0.0011	0.0015	0.0006
6/30/2005	0.0668	0.0819	0.0518	0.0247	0.0123	0.0064	0.0054	0.0024	0.0029	0.0009	-0.0003	0.0014	
6/30/2006	0.0762	0.0751	0.0558	0.0229	0.0133	0.0081	-0.0007	0.0029	0.0026	0.0011	0.0015		
6/30/2007	0.0710	0.0716	0.0561	0.0261	0.0111	0.0044	0.0025	0.0053	0.0015	0.0010			
6/30/2008	0.0684	0.0891	0.0629	0.0302	0.0131	0.0056	0.0040	0.0017	-0.0016				
6/30/2009	0.0696	0.0789	0.0655	0.0253	0.0131	0.0067	0.0057	0.0032					
6/30/2010	0.0675	0.0830	0.0482	0.0260	0.0148	0.0052	0.0021						
6/30/2011	0.0728	0.0842	0.0545	0.0256	0.0113	0.0062							
6/30/2012	0.0708	0.0868	0.0587	0.0333	0.0144								
6/30/2013	0.0769	0.0835	0.0662	0.0356									
6/30/2014	0.0756	0.0846	0.0635										
6/30/2015	0.0775	0.0890											
6/30/2016	0.0847												

Best 3/5	0.0767	0.0852	0.0589	0.0283	0.0135	0.0057	0.0029	0.0028	0.0022	0.0010	0.0015	0.0016	0.0006
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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>
6/30/1998	39,115,235	45,035,631	47,562,564	52,280,767	50,579,169	50,794,661	50,368,926	50,296,431	50,351,632	50,430,312	50,545,412
6/30/1999	42,531,063	48,267,860	54,285,634	51,169,346	53,089,947	52,311,889	51,547,240	51,515,052	52,051,034	52,237,470	52,319,684
6/30/2000	46,341,346	57,168,216	53,447,023	56,006,617	55,143,038	55,318,633	55,253,420	55,053,261	55,309,807	55,693,429	55,738,176
6/30/2001	42,685,232	43,064,121	48,932,681	49,612,517	50,354,893	49,955,763	50,311,355	50,446,583	50,860,776	51,462,773	51,962,244
6/30/2002	34,678,623	40,173,448	41,475,739	43,027,403	43,625,104	44,259,839	45,042,532	45,212,329	45,611,950	45,779,736	46,159,732
6/30/2003	35,599,195	37,787,352	40,294,365	39,876,841	42,432,643	42,644,873	42,626,788	42,960,253	42,459,134	42,967,001	43,294,224
6/30/2004	32,524,963	36,961,676	38,371,242	39,890,398	41,754,568	42,164,766	42,062,437	42,248,346	42,238,998	42,450,333	42,513,630
6/30/2005	32,148,831	33,926,350	37,136,792	38,319,616	39,193,725	39,455,613	39,580,104	39,788,136	40,179,969	40,683,739	40,503,806
6/30/2006	31,019,875	33,799,765	35,536,021	36,328,914	36,772,124	37,862,544	38,519,714	38,630,616	38,752,758	38,533,853	38,639,893
6/30/2007	33,030,687	36,484,249	38,964,909	39,541,443	40,096,739	40,224,624	40,402,216	41,134,908	41,865,516	41,777,804	41,873,605
6/30/2008	38,852,902	43,299,716	44,624,620	44,655,606	45,327,364	46,335,154	47,076,947	47,341,725	47,587,349	47,629,596	
6/30/2009	40,062,989	41,575,754	43,606,122	43,952,266	43,999,823	44,454,019	44,354,734	44,267,468	44,411,505		
6/30/2010	40,502,693	45,355,768	47,910,889	48,758,346	49,591,933	49,785,349	49,819,424	49,805,997			
6/30/2011	47,728,286	51,360,618	51,988,591	52,703,584	52,549,650	53,077,644	53,405,208				
6/30/2012	46,152,468	49,657,070	51,634,674	52,020,289	52,512,922	52,736,622					
6/30/2013	42,689,874	47,380,980	49,529,726	51,492,696	51,854,034						
6/30/2014	49,597,854	52,684,092	54,951,142	56,494,666							
6/30/2015	47,337,985	52,319,404	54,185,502								
6/30/2016	41,100,469	45,586,810									
6/30/2017	44,355,222										
<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>		
6/30/1998	50,769,366	50,598,933	50,554,572	50,670,891	50,715,121	50,842,353	51,157,692	51,345,927	51,253,540		
6/30/1999	52,369,991	52,420,466	52,599,907	52,535,812	52,743,803	52,972,195	53,059,491	53,265,870			
6/30/2000	55,478,832	55,605,527	55,677,403	55,848,834	55,873,292	55,858,330	56,222,993				
6/30/2001	52,224,731	52,335,688	52,449,334	52,448,009	52,574,614	52,708,111					
6/30/2002	46,418,029	46,260,147	46,161,148	46,390,091	46,433,237						
6/30/2003	43,284,294	43,364,568	43,442,579	43,483,586							
6/30/2004	42,818,831	42,922,898	42,898,304								
6/30/2005	40,441,270	40,324,727									
6/30/2006	38,713,583										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.151	1.056	1.099	0.967	1.004	0.992	0.999	1.001	1.002	1.002	1.004
6/30/1999	1.135	1.125	0.943	1.038	0.985	0.985	0.999	1.010	1.004	1.002	1.001
6/30/2000	1.234	0.935	1.048	0.985	1.003	0.999	0.996	1.005	1.007	1.001	0.995
6/30/2001	1.009	1.136	1.014	1.015	0.992	1.007	1.003	1.008	1.012	1.010	1.005
6/30/2002	1.158	1.032	1.037	1.014	1.015	1.018	1.004	1.009	1.004	1.008	1.006
6/30/2003	1.061	1.066	0.990	1.064	1.005	1.000	1.008	0.988	1.012	1.008	1.000
6/30/2004	1.136	1.038	1.040	1.047	1.010	0.998	1.004	1.000	1.005	1.001	1.007
6/30/2005	1.055	1.095	1.032	1.023	1.007	1.003	1.005	1.010	1.013	0.996	0.998
6/30/2006	1.090	1.051	1.022	1.012	1.030	1.017	1.003	1.003	0.994	1.003	1.002
6/30/2007	1.105	1.068	1.015	1.014	1.003	1.004	1.018	1.018	0.998	1.002	
6/30/2008	1.114	1.031	1.001	1.015	1.022	1.016	1.006	1.005	1.001		
6/30/2009	1.038	1.049	1.008	1.001	1.010	0.998	0.998	1.003			
6/30/2010	1.120	1.056	1.018	1.017	1.004	1.001	1.000				
6/30/2011	1.076	1.012	1.014	0.997	1.010	1.006					
6/30/2012	1.076	1.040	1.007	1.009	1.004						
6/30/2013	1.110	1.045	1.040	1.007							
6/30/2014	1.062	1.043	1.028								
6/30/2015	1.105	1.036									
6/30/2016	1.109										

3 Yr Mean 1.092 1.041 1.025 1.004 1.006 1.002 1.001 1.009 0.998 1.000 1.002

Best 3/5 1.097 1.040 1.020 1.006 1.008 1.004 1.003 1.006 1.001 1.002 1.003

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

3 Yr Mean 1.000 1.000 1.002 1.001 1.002 @ 1.005 @ 1.004 @ 0.998 @

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2013					1.008	1.004	1.003	1.006	1.001	1.002	1.003
6/30/2014				1.006	1.008	1.004	1.003	1.006	1.001	1.002	1.003
6/30/2015			1.020	1.006	1.008	1.004	1.003	1.006	1.001	1.002	1.003
6/30/2016		1.040	1.020	1.006	1.008	1.004	1.003	1.006	1.001	1.002	1.003
6/30/2017	1.097	1.040	1.020	1.006	1.008	1.004	1.003	1.006	1.001	1.002	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2013	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.054
6/30/2014	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.061
6/30/2015	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.082
6/30/2016	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.125
6/30/2017	1.000	1.001	1.001	1.001	1.002	1.003	1.003	1.003	1.012*	1.234

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

<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>
6/30/1998	2,234,090	2,871,269	2,761,279	2,897,099	2,853,224	2,796,614	2,803,094	2,977,756	3,196,593	3,177,969	3,184,882
6/30/1999	2,330,063	2,165,698	2,445,270	2,604,025	2,600,918	2,530,055	2,590,911	2,793,387	3,018,461	3,141,444	2,979,513
6/30/2000	2,256,610	2,792,975	2,754,375	2,941,417	2,831,927	2,979,225	3,003,117	3,162,558	3,128,669	3,128,189	3,119,864
6/30/2001	2,360,908	2,681,771	3,016,231	3,200,484	3,193,689	3,272,372	3,405,802	3,172,450	3,319,348	3,345,293	3,403,658
6/30/2002	2,008,138	2,302,204	2,266,677	2,379,306	2,483,515	2,594,483	2,540,467	2,474,039	2,568,538	2,568,539	2,575,039
6/30/2003	1,848,737	1,915,722	1,966,662	2,123,440	2,142,058	2,025,512	2,030,139	2,085,854	2,110,971	2,108,121	2,109,121
6/30/2004	2,710,318	2,864,751	3,146,264	3,418,420	3,573,931	3,652,717	3,519,439	3,612,456	3,554,456	3,622,026	3,631,977
6/30/2005	2,715,202	2,718,576	2,691,428	3,083,370	2,976,965	3,135,987	3,006,005	3,140,505	3,154,506	3,148,294	3,144,294
6/30/2006	2,037,263	2,295,599	2,565,472	2,657,079	2,684,809	2,816,495	2,928,194	2,966,291	2,929,250	2,931,473	2,862,107
6/30/2007	2,153,943	2,967,885	3,548,042	3,431,627	3,377,799	3,212,610	3,182,246	3,207,224	3,305,225	3,305,224	3,325,224
6/30/2008	1,849,491	2,353,081	1,960,611	1,949,207	1,913,922	1,940,952	1,904,141	1,896,941	1,898,941	1,899,043	
6/30/2009	2,980,944	2,310,384	2,701,393	2,523,058	2,609,519	2,667,745	2,755,667	2,673,246	2,673,245		
6/30/2010	2,246,388	2,289,951	2,247,191	2,403,632	2,558,403	2,648,557	2,703,408	2,645,525			
6/30/2011	2,000,818	2,204,124	2,533,546	2,424,962	2,495,812	2,510,426	2,482,337				
6/30/2012	1,682,463	1,996,171	2,158,245	2,436,040	2,445,779	2,942,137					
6/30/2013	2,110,270	2,313,813	2,430,216	2,323,870	2,605,947						
6/30/2014	2,623,679	2,490,277	2,312,408	2,474,873							
6/30/2015	3,743,037	3,805,789	3,703,701								
6/30/2016	2,902,682	3,027,129									
6/30/2017	2,866,441										
<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>		
6/30/1998	3,241,725	3,209,801	3,198,548	3,248,554	3,343,413	3,343,413	3,293,413	3,293,413	3,293,413		
6/30/1999	2,979,513	2,979,513	2,979,513	3,074,373	3,074,373	3,074,338	3,074,338	3,074,338			
6/30/2000	3,144,389	3,115,264	3,115,264	3,115,164	3,115,164	3,115,164	3,215,164				
6/30/2001	3,399,033	3,399,342	3,249,342	3,274,444	3,299,444	3,388,906					
6/30/2002	2,580,038	2,608,039	2,600,038	2,600,038	2,700,038						
6/30/2003	2,117,621	2,117,621	2,217,621	2,417,621							
6/30/2004	3,732,856	3,734,732	3,742,632								
6/30/2005	3,148,515	3,144,301									
6/30/2006	2,865,872										



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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

3 Yr Mean 1.003 0.984 1.052 1.051 1.081 1.014 0.982 1.011 1.000 0.994 1.010

Best 3/5 1.052 1.035 1.032 1.042 1.024 1.000 0.994 1.002 1.000 1.001 1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/1998	0.990	0.996	1.016	1.029	1.000	0.985	1.000	1.000			
6/30/1999	1.000	1.000	1.032	1.000	1.000	1.000	1.000	1.000 *			
6/30/2000	0.991	1.000	1.000	1.000	1.000	1.032	1.000 *	1.000 *			
6/30/2001	1.000	0.956	1.008	1.008	1.027	1.001 *	1.000 *	1.000 *			
6/30/2002	1.011	0.997	1.000	1.038	1.011 *	1.001 *	1.000 *	1.000 *			
6/30/2003	1.000	1.047	1.090								
6/30/2004	1.001	1.002									
6/30/2005	0.999										

3 Yr Mean 1.000 1.015 1.033 1.015 1.009 @ 1.006 @ 1.000 @ 1.000 @

Best 3/5 1.000 1.000 1.013 1.012 1.004 \* 1.001 \* 1.000 \* 1.000 \*

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2013					1.024	1.000	0.994	1.002	1.000	1.001	1.002
6/30/2014				1.042	1.024	1.000	0.994	1.002	1.000	1.001	1.002
6/30/2015			1.032	1.042	1.024	1.000	0.994	1.002	1.000	1.001	1.002
6/30/2016		1.035	1.032	1.042	1.024	1.000	0.994	1.002	1.000	1.001	1.002
6/30/2017	1.052	1.035	1.032	1.042	1.024	1.000	0.994	1.002	1.000	1.001	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2013	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.054
6/30/2014	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.098
6/30/2015	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.133
6/30/2016	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.173
6/30/2017	1.000	1.000	1.013	1.012	1.004	1.001	1.000	1.000	1.000*	1.234

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/1998	3,783,930	4,808,565	3,600,625	1,283,211	1,654,918	415,967	3,057,811	-309,714	3,038,663	312,417	50,134	261,145	154,681
6/30/1999	5,479,419	3,699,468	1,296,852	2,848,210	651,849	642,658	1,497,552	549,925	1,325,340	1,820,683	193,121	825,083	422,179
6/30/2000	6,052,313	4,947,402	4,735,555	1,842,551	1,581,485	3,820,976	564,636	135,562	396,758	532,316	551,078	254,356	224,668
6/30/2001	5,159,451	7,324,814	3,767,712	4,720,829	3,966,967	3,311,785	3,504,996	1,409,250	108,118	-76,069	493,441	251,107	16,803
6/30/2002	4,878,473	2,725,331	5,519,178	4,480,470	7,854,825	3,717,455	3,413,224	2,056,337	677,866	935,233	788,836	137,221	-15,302
6/30/2003	4,004,274	4,605,534	4,432,190	5,000,780	2,411,586	1,602,797	793,086	406,170	528,440	296,190	35,907	70,523	-49,554
6/30/2004	4,442,706	4,616,868	4,109,117	4,826,788	3,972,737	2,790,975	139,160	1,440,851	857,032	28,936	849,259	69,970	61,203
6/30/2005	3,809,414	5,899,004	3,791,412	3,161,165	2,112,914	1,095,220	755,883	919,015	1,795,766	299,728	-66,716	323,764	
6/30/2006	4,168,125	4,459,814	4,078,838	2,022,605	4,080,950	2,920,284	1,082,025	257,050	432,200	3,109,807	367,909		
6/30/2007	5,902,622	6,067,570	6,070,405	2,774,756	2,485,212	2,611,677	758,725	1,952,442	404,931	285,511			
6/30/2008	5,898,375	6,151,787	5,393,641	4,751,871	2,529,719	928,734	1,206,428	1,167,053	871,006				
6/30/2009	4,860,290	6,708,967	3,796,767	4,461,699	1,936,911	1,400,842	1,247,300	869,183					
6/30/2010	6,231,597	7,035,011	6,007,325	4,088,577	2,444,258	2,682,765	1,253,721						
6/30/2011	7,688,648	5,542,565	5,556,446	4,417,717	3,329,665	597,233							
6/30/2012	5,766,856	7,307,252	5,277,556	4,411,105	2,919,550								
6/30/2013	6,121,661	7,501,972	8,023,633	2,677,378									
6/30/2014	6,137,854	5,482,815	4,224,624										
6/30/2015	6,879,830	8,621,569											
6/30/2016	5,470,082												

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

Best 3/5	0.0777	0.0873	0.0743	0.0567	0.0368	0.0250	0.0188	0.0161	0.0118	0.0050	0.0064	0.0022	0.0003
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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>
6/30/1998	18,101,043	27,180,296	31,943,206	32,271,624	34,274,168	34,079,787	34,342,421	34,393,939	34,053,928	34,104,831	33,924,735
6/30/1999	17,961,604	24,466,633	24,598,211	28,135,018	26,147,614	26,030,574	25,846,117	25,747,118	25,950,593	25,891,411	25,914,779
6/30/2000	17,519,503	20,794,671	32,386,636	32,540,119	31,924,618	32,114,242	32,701,800	32,894,324	32,808,482	32,879,534	32,652,695
6/30/2001	14,299,810	30,435,827	32,951,038	35,731,131	37,294,034	37,620,149	37,589,825	37,612,405	37,704,660	37,503,863	37,272,617
6/30/2002	16,133,394	19,549,003	22,504,926	25,130,475	23,258,142	22,668,880	22,542,734	22,296,566	22,483,154	22,492,278	22,348,980
6/30/2003	11,328,097	13,909,395	17,397,260	15,751,784	15,696,034	15,881,643	15,048,750	14,900,590	15,130,522	14,947,391	15,141,058
6/30/2004	16,934,539	21,834,366	18,832,651	19,352,918	18,962,894	18,711,953	18,830,586	18,826,071	18,812,010	19,038,692	19,058,347
6/30/2005	15,151,147	19,093,950	21,352,637	20,969,907	20,382,440	20,480,933	20,122,895	20,221,368	20,317,401	20,592,157	20,486,076
6/30/2006	19,524,659	23,501,040	24,464,486	23,766,539	22,963,953	22,991,097	22,711,937	22,810,466	22,603,529	22,424,681	22,439,682
6/30/2007	18,586,018	22,823,706	23,333,309	23,462,711	23,215,874	22,710,655	22,620,624	22,731,025	22,798,583	23,033,065	22,965,915
6/30/2008	17,241,046	19,097,703	18,651,441	18,413,591	18,330,684	18,415,794	18,597,911	18,702,804	18,628,769	18,677,942	
6/30/2009	14,025,462	16,211,298	16,050,805	16,306,977	17,137,385	17,163,375	17,205,079	17,049,602	16,793,006		
6/30/2010	12,414,490	15,442,102	16,463,008	16,317,801	16,609,463	16,389,163	16,156,358	16,099,962			
6/30/2011	10,516,242	12,332,543	13,455,635	14,565,113	14,603,820	14,567,872	14,259,021				
6/30/2012	9,257,945	12,104,743	12,045,882	12,327,514	12,740,575	12,114,032					
6/30/2013	9,831,975	11,582,552	12,920,884	12,989,819	13,313,866						
6/30/2014	8,898,667	12,079,739	15,099,898	15,161,081							
6/30/2015	9,770,152	12,352,959	15,458,098								
6/30/2016	10,660,138	13,617,052									
6/30/2017	10,737,611										
<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>		
6/30/1998	33,947,469	33,950,916	33,926,933	34,046,311	34,217,882	34,210,924	34,378,560	34,459,953	34,479,163		
6/30/1999	25,865,446	25,950,289	25,930,314	25,972,134	25,961,054	26,055,226	26,118,869	26,133,967			
6/30/2000	32,374,846	32,373,835	32,585,152	32,485,152	32,535,152	32,538,652	32,574,794				
6/30/2001	37,171,261	37,355,961	37,355,961	37,445,961	37,456,296	37,456,195					
6/30/2002	22,463,543	22,547,018	22,647,018	22,600,368	22,592,518						
6/30/2003	15,106,788	15,171,689	15,175,986	15,253,486							
6/30/2004	18,854,233	18,929,344	18,974,144								
6/30/2005	20,282,328	20,407,325									
6/30/2006	22,648,432										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/1998	1.502	1.175	1.010	1.062	0.994	1.008	1.002	0.990	1.001	0.995	1.001
6/30/1999	1.362	1.005	1.144	0.929	0.996	0.993	0.996	1.008	0.998	1.001	0.998
6/30/2000	1.187	1.557	1.005	0.981	1.006	1.018	1.006	0.997	1.002	0.993	0.991
6/30/2001	2.128	1.083	1.084	1.044	1.009	0.999	1.001	1.002	0.995	0.994	0.997
6/30/2002	1.212	1.151	1.117	0.925	0.975	0.994	0.989	1.008	1.000	0.994	1.005
6/30/2003	1.228	1.251	0.905	0.996	1.012	0.948	0.990	1.015	0.988	1.013	0.998
6/30/2004	1.289	0.863	1.028	0.980	0.987	1.006	1.000	0.999	1.012	1.001	0.989
6/30/2005	1.260	1.118	0.982	0.972	1.005	0.983	1.005	1.005	1.014	0.995	0.990
6/30/2006	1.204	1.041	0.971	0.966	1.001	0.988	1.004	0.991	0.992	1.001	1.009
6/30/2007	1.228	1.022	1.006	0.989	0.978	0.996	1.005	1.003	1.010	0.997	
6/30/2008	1.108	0.977	0.987	0.995	1.005	1.010	1.006	0.996	1.003		
6/30/2009	1.156	0.990	1.016	1.051	1.002	1.002	0.991	0.985			
6/30/2010	1.244	1.066	0.991	1.018	0.987	0.986	0.997				
6/30/2011	1.173	1.091	1.082	1.003	0.998	0.979					
6/30/2012	1.307	0.995	1.023	1.034	0.951						
6/30/2013	1.178	1.116	1.005	1.025							
6/30/2014	1.357	1.250	1.004								
6/30/2015	1.264	1.251									
6/30/2016	1.277										

3 Yr Mean 1.299 1.206 1.011 1.021 0.979 0.989 0.998 0.995 1.002 0.998 0.996

Best 3/5 1.283 1.152 1.011 1.026 0.996 0.995 1.002 0.997 1.008 1.000 0.998

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

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

Best 3/5 1.004 1.002 1.001 1.001 1.000 \* 1.001 \* 1.001 \* 1.001 \*

Development From

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

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
6/30/2013	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.011
6/30/2014	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.037
6/30/2015	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.049
6/30/2016	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.208
6/30/2017	1.004	1.002	1.001	1.001	1.000	1.001	1.001	1.001	1.004*	1.550

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

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

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

Best 3/5	0.2655	0.2440	0.1805	0.1709	0.1024	0.0398	0.0394	0.0141	0.0117	0.0038	0.0000	0.0165	0.0003
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Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2012 - 2016

<u>Item *</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2012 - 2016 Mean</u>
1. Direct Losses Incurred	\$18,480,140	\$18,521,277	\$19,140,390	\$24,110,646	\$25,085,478	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,270,137	\$5,080,420	\$4,727,492	\$5,601,664	\$4,581,304	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$1,892,698	\$2,061,866	\$2,159,178	\$2,371,173	\$2,496,550	
4. Incurred Losses + ALAE [(1) + (2)]	\$23,750,277	\$23,601,697	\$23,867,882	\$29,712,310	\$29,666,781	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.0%	8.7%	9.0%	8.0%	8.4%	8.4%
6. Selected	8.5%					

Notes: All dollar amounts are displayed in thousands.

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



PREMISES / OPERATIONS  
TREND SUMMARY  
AVERAGE ANNUAL PERCENT CHANGES

(1) <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) 1/1/2015 to 1/1/2020 AYE 6/30/2015	+ 1.3%	+ 2.9%	+ 0.9%	+ 1.7%	+ 1.1%
b) 1/1/2016 to 1/1/2020 AYE 6/30/2016	+ 1.6%	+ 3.0%	+ 0.9%	+ 1.9%	+ 1.2%
c) 1/1/2017 to 1/1/2020 AYE 6/30/2017	+ 2.1%	+ 2.9%	+ 0.9%	+ 2.0%	+ 1.2%

	<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%	+ 3.7%	- 2.4%	+ 4.2%	+ 4.0%	+ 1.1%
Eight Year (16 Points)	+ 5.1%	+ 5.1%	- 1.3%	+ 3.8%	+ 4.7%	- 5.1%
Six Year (12 Points)	+ 5.6%	+ 4.9%	- 2.4%	+ 3.4%	+ 4.4%	- 10.3%
b) Selected	+ 4.5%	+ 4.0%	+ 0.5%	+ 4.0%	+ 4.5%	+ 2.5%

(3) <u>FREQUENCY TREND</u>	<u>M&amp;C</u>	<u>OL&amp;T</u>
Selected	- 0.5%	- 1.5%

(4) TOTAL ANNUAL NET TREND

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

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

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

MANUFACTURERS AND CONTRACTORS  
AVERAGE ANNUAL EXPOSURE TRENDS  
FOR ACCIDENT YEARS ENDING 6/30/2015, 6/30/2016 & 6/30/2017

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

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

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

\* 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	16.2%	-2.3%
OTHER DURABLES	6.0%	0.2%
CLOTHING	10.3%	0.0%
FOOD	39.4%	1.6%
OTHER NON-DURABLES	28.1%	2.1%
TOTAL	100.0%	0.9% <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 6/30/2017. Inflation adjusted GDP is measured in terms of 2009 prices.

<sup>3</sup> Inflation trends are based on average annual growth rates in consumption components starting 2015 to 2020.

<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.

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

YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS	YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS
2007	1	1.061	0.941	1.010	0.902	0.924	2014	1	0.851	1.036	1.054	1.088	1.058
	2	1.058	0.947	1.007	0.910	0.927		2	0.841	1.031	1.056	1.093	1.062
	3	1.053	0.952	1.003	0.919	0.929		3	0.833	1.027	1.057	1.099	1.065
	4	1.045	0.957	0.999	0.929	0.934		4	0.825	1.022	1.056	1.106	1.070
2008	1	1.039	0.963	0.996	0.940	0.938	2015	1	0.817	1.017	1.053	1.113	1.075
	2	1.031	0.972	0.993	0.951	0.944		2	0.811	1.010	1.050	1.118	1.079
	3	1.025	0.981	0.994	0.965	0.950		3	0.804	1.003	1.046	1.123	1.082
	4	1.022	0.989	0.991	0.979	0.956		4	0.799	0.996	1.043	1.126	1.084
2009	1	1.018	0.994	0.991	0.991	0.963	2016	1	0.793	0.996	1.041	1.129	1.087
	2	1.016	0.996	0.994	0.999	0.975		2	0.784	1.000	1.041	1.132	1.089
	3	1.009	0.997	0.996	1.001	0.988		3	0.776	1.003	1.040	1.133	1.094
	4	1.000	1.000	1.000	1.000	1.000		4	0.766	1.008	1.039	1.133	1.100
2010	1	0.989	1.001	1.002	1.000	1.010	2017	1	0.758	1.012	1.041	1.134	1.104
	2	0.975	1.002	1.000	1.001	1.014		2	0.751	1.012	1.039	1.136	1.108
	3	0.962	1.003	0.997	1.004	1.017		3	0.745	1.012	1.037	1.140	1.111
	4	0.950	1.004	0.993	1.007	1.020		4	0.740	1.012	1.034	1.144	1.112
2011	1	0.938	1.011	0.991	1.012	1.022	2018	1P	0.733	1.009	1.031	1.148	1.115
	2	0.929	1.020	0.993	1.020	1.026		2P	0.730	1.008	1.031	1.152	1.120
	3	0.923	1.028	1.000	1.030	1.030		3P	0.726	1.010	1.032	1.157	1.126
	4	0.917	1.036	1.011	1.041	1.035		4P	0.725	1.012	1.035	1.164	1.135
2012	1	0.912	1.042	1.022	1.050	1.040	2019	1P	0.725	1.014	1.037	1.172	1.145
	2	0.907	1.044	1.034	1.058	1.045		2P	0.725	1.016	1.039	1.179	1.156
	3	0.900	1.044	1.040	1.063	1.050		3P	0.726	1.019	1.042	1.188	1.167
	4	0.894	1.042	1.046	1.068	1.053		4P	0.725	1.021	1.045	1.195	1.177
2013	1	0.887	1.041	1.051	1.072	1.054	2020	1P	0.724	1.022	1.047	1.203	1.187
	2	0.878	1.041	1.051	1.076	1.055		2P	0.723	1.022	1.049	1.210	1.196
	3	0.869	1.042	1.054	1.081	1.056		3P	0.720	1.021	1.051	1.217	1.205
	4	0.861	1.040	1.054	1.084	1.056		4P	0.717	1.021	1.053	1.224	1.213
Change In Exposures*							Average Annual Trend Factor						
1/1/2015 to 1/1/2020 (2020:2/2015:2)							1/1/2015 to 1/1/2020 (5.0 Years)						
0.891							-2.3%						
1.011							0.2%						
1.000							0.0%						
1.082							1.6%						
1.109							2.1%						

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

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

(1) YEAR ENDING QUARTER		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @		(1) YEAR ENDING QUARTER		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @	
2007	1		0.919	2014	1		1.107
	2		0.930		2		1.113
	3		0.942		3		1.120
	4		0.954		4		1.125
2008	1		0.966	2015	1		1.126
	2		0.980		2		1.128
	3		0.994		3		1.130
	4		1.003		4		1.132
2009	1		1.005	2016	1		1.134
	2		1.004		2		1.136
	3		1.000		3		1.139
	4		1.000		4		1.142
2010	1		1.005	2017	1		1.149
	2		1.012		2		1.156
	3		1.019		3		1.163
	4		1.027		4		1.173
2011	1		1.035	2018	1P		1.180
	2		1.044		2P		1.186
	3		1.053		3P		1.192
	4		1.059		4P		1.196
2012	1		1.066	2019	1P		1.200
	2		1.070		2P		1.205
	3		1.074		3P		1.210
	4		1.080		4P		1.215
2013	1		1.085	2020	1P		1.221
	2		1.090		2P		1.225
	3		1.096		3P		1.230
	4		1.101		4P		1.234
CHANGE IN EXPOSURES				AVERAGE ANNUAL TREND FACTOR			
1/1/2015 to 1/1/2020		(2020:2/2015:2)	1.086	1/1/2015 to 1/1/2020		( 5.0 YRS )	1.017
1/1/2016 to 1/1/2020		(2020:2/2016:2)	1.079	1/1/2016 to 1/1/2020		( 4.0 YRS )	1.019
1/1/2017 to 1/1/2020		(2020:2/2017:2)	1.060	1/1/2017 to 1/1/2020		( 3.0 YRS )	1.020

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

@ Based on a year-ended quarterly implicit price deflator of state and local government expenditures. GDP accounts are based on 2009 dollars.

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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>
12/31/2007	\$ 238,888,185	4,786	\$ 49,914	\$ 48,554		
6/30/2008	245,256,005	4,720	51,961	49,607		
12/31/2008	243,586,737	4,620	52,724	50,683		
6/30/2009	243,595,178	4,698	51,851	51,782		
12/31/2009	254,488,106	4,771	53,341	52,904	\$ 51,164	
6/30/2010	262,107,132	4,915	53,328	54,052	52,457	
12/31/2010	261,241,708	4,984	52,416	55,223	53,783	
6/30/2011	284,913,437	5,161	55,205	56,421	55,142	
12/31/2011	291,234,469	5,017	58,050	57,644	56,535	\$ 55,623
6/30/2012	259,079,512	4,400	58,882	58,894	57,963	57,168
12/31/2012	242,372,954	4,194	57,790	60,171	59,428	58,756
6/30/2013	250,024,014	4,269	58,567	61,476	60,929	60,388
12/31/2013	253,225,247	4,256	59,498	62,808	62,469	62,066
6/30/2014	287,732,356	4,594	62,632	64,170	64,047	63,790
12/31/2014	272,580,355	4,055	67,221	65,562	65,665	65,562
6/30/2015	253,447,771	3,676	68,947	66,983	67,325	67,384
12/31/2015	224,832,913	3,475	64,700	68,435	69,026	69,256
6/30/2016	219,864,855	3,137	70,088	69,919	70,770	71,180
12/31/2016	215,004,260	2,787	77,145	71,435	72,558	73,157
6/30/2017	225,995,248	2,952	76,557	72,984	74,391	75,189
Goodness of Fit Statistic, R-Squared:				0.915	0.918	0.876
Average Annual Severity Trend (10 yr)				+ 4.4%		
Average Annual Severity Trend ( 8 yr)				+ 5.1%		
Average Annual Severity Trend ( 6 yr)				+ 5.6%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) 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>		
12/31/2007	\$ 193,888,777	17,886	\$ 10,840	\$ 10,045		
6/30/2008	200,733,317	18,070	11,109	10,231		
12/31/2008	204,334,789	18,694	10,931	10,420		
6/30/2009	197,139,105	18,538	10,634	10,612		
12/31/2009	191,028,633	17,994	10,616	10,809	\$ 10,160	
6/30/2010	193,052,682	18,581	10,390	11,008	10,416	
12/31/2010	197,568,066	19,149	10,317	11,212	10,678	
6/30/2011	200,669,070	19,176	10,465	11,419	10,946	
12/31/2011	209,826,492	19,043	11,019	11,630	11,221	\$ 11,323
6/30/2012	200,790,611	18,428	10,896	11,845	11,503	11,595
12/31/2012	212,509,699	17,436	12,188	12,064	11,792	11,874
6/30/2013	217,747,750	16,882	12,898	12,287	12,089	12,159
12/31/2013	201,878,976	15,879	12,714	12,514	12,392	12,452
6/30/2014	202,074,117	15,516	13,024	12,745	12,704	12,751
12/31/2014	204,051,689	15,489	13,174	12,981	13,023	13,057
6/30/2015	200,559,568	15,319	13,092	13,221	13,350	13,371
12/31/2015	206,781,260	15,335	13,484	13,465	13,686	13,692
6/30/2016	216,947,604	15,314	14,167	13,714	14,030	14,021
12/31/2016	216,715,671	14,985	14,462	13,968	14,383	14,358
6/30/2017	220,315,259	15,405	14,302	14,226	14,744	14,703
Goodness of Fit Statistic, R-Squared:				0.821	0.926	0.877
Average Annual Severity Trend (10 yr)				+ 3.7%		
Average Annual Severity Trend ( 8 yr)				+ 5.1%		
Average Annual Severity Trend ( 6 yr)				+ 4.9%		
Selected Annual Severity Trend				+ 4.0%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) 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>
12/31/2007	\$ 22,382,284	554	\$ 40,401	\$ 43,787		
6/30/2008	22,629,024	483	46,851	43,259		
12/31/2008	23,168,158	475	48,775	42,737		
6/30/2009	22,840,192	497	45,956	42,222		
12/31/2009	25,721,161	563	45,686	41,712	\$ 39,474	
6/30/2010	24,196,688	640	37,807	41,209	39,215	
12/31/2010	19,717,018	621	31,750	40,713	38,958	
6/30/2011	19,772,334	540	36,615	40,222	38,702	
12/31/2011	19,688,585	539	36,528	39,737	38,449	\$ 40,177
6/30/2012	19,204,108	515	37,290	39,257	38,197	39,686
12/31/2012	20,348,176	501	40,615	38,784	37,946	39,201
6/30/2013	18,834,994	474	39,736	38,316	37,697	38,722
12/31/2013	20,128,726	504	39,938	37,854	37,450	38,249
6/30/2014	21,835,072	545	40,064	37,398	37,204	37,782
12/31/2014	21,255,902	546	38,930	36,947	36,961	37,320
6/30/2015	21,037,433	576	36,523	36,501	36,718	36,864
12/31/2015	24,865,219	617	40,300	36,061	36,477	36,414
6/30/2016	22,019,215	669	32,914	35,626	36,238	35,969
12/31/2016	29,752,380	693	42,933	35,197	36,001	35,529
6/30/2017	17,217,146	624	27,592	34,772	35,765	35,095
Goodness of Fit Statistic, R-Squared:				0.274	0.066	0.139
Average Annual Severity Trend (10 yr)				- 2.4%		
Average Annual Severity Trend ( 8 yr)				- 1.3%		
Average Annual Severity Trend ( 6 yr)				- 2.4%		
Selected Annual Severity Trend				+ 0.5%		

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

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

(See Section B- Explanation of Trend Calculation).



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

(1) 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>
12/31/2007	\$ 611,247,156	21,143	\$ 28,910	\$ 29,676		
6/30/2008	618,362,306	20,823	29,696	30,290		
12/31/2008	606,258,768	20,150	30,087	30,916		
6/30/2009	642,710,279	20,071	32,022	31,555		
12/31/2009	668,017,292	20,604	32,422	32,207	\$ 32,786	
6/30/2010	696,683,120	21,184	32,887	32,872	33,400	
12/31/2010	723,310,736	21,477	33,678	33,552	34,026	
6/30/2011	759,397,895	21,819	34,804	34,245	34,664	
12/31/2011	739,339,764	20,982	35,237	34,953	35,313	\$ 35,805
6/30/2012	677,346,230	18,598	36,420	35,675	35,975	36,403
12/31/2012	640,492,479	17,764	36,056	36,413	36,649	37,010
6/30/2013	679,092,390	18,287	37,135	37,165	37,336	37,628
12/31/2013	692,334,550	18,429	37,568	37,933	38,036	38,256
6/30/2014	758,377,690	19,094	39,718	38,717	38,749	38,894
12/31/2014	734,169,668	18,024	40,733	39,517	39,475	39,544
6/30/2015	721,379,049	17,262	41,790	40,334	40,215	40,204
12/31/2015	737,739,436	16,861	43,754	41,168	40,969	40,875
6/30/2016	708,740,476	16,113	43,986	42,019	41,737	41,557
12/31/2016	609,142,546	16,057	37,936	42,887	42,519	42,250
6/30/2017	710,761,205	17,110	41,541	43,773	43,316	42,956
Goodness of Fit Statistic, R-Squared:				0.904	0.818	0.612
Average Annual Severity Trend (10 yr)				+ 4.2%		
Average Annual Severity Trend ( 8 yr)				+ 3.8%		
Average Annual Severity Trend ( 6 yr)				+ 3.4%		
Selected Annual Severity Trend				+ 4.0%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) 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>
12/31/2007	\$ 73,682,032	8,838	\$ 8,337	\$ 8,199		
6/30/2008	80,903,668	9,003	8,986	8,360		
12/31/2008	83,250,338	9,114	9,134	8,525		
6/30/2009	75,835,512	9,164	8,275	8,693		
12/31/2009	82,424,823	9,255	8,906	8,865	\$ 8,577	
6/30/2010	86,626,184	9,641	8,985	9,039	8,777	
12/31/2010	84,472,393	9,946	8,493	9,218	8,981	
6/30/2011	87,764,947	10,086	8,702	9,399	9,190	
12/31/2011	93,497,377	9,898	9,446	9,585	9,404	\$ 9,523
6/30/2012	86,783,954	9,200	9,433	9,774	9,623	9,730
12/31/2012	87,931,748	8,761	10,037	9,966	9,847	9,941
6/30/2013	89,302,500	8,708	10,255	10,163	10,076	10,157
12/31/2013	85,319,259	8,353	10,214	10,363	10,311	10,377
6/30/2014	86,627,337	8,347	10,378	10,567	10,551	10,603
12/31/2014	86,760,434	8,203	10,577	10,776	10,797	10,833
6/30/2015	97,570,836	7,882	12,379	10,988	11,048	11,068
12/31/2015	94,814,734	7,941	11,940	11,205	11,305	11,309
6/30/2016	91,979,404	8,065	11,405	11,426	11,568	11,554
12/31/2016	95,545,710	8,015	11,921	11,651	11,837	11,805
6/30/2017	91,915,593	8,272	11,112	11,881	12,113	12,061
Goodness of Fit Statistic, R-Squared:				0.832	0.843	0.726
Average Annual Severity Trend (10 yr)				+ 4.0%		
Average Annual Severity Trend ( 8 yr)				+ 4.7%		
Average Annual Severity Trend ( 6 yr)				+ 4.4%		
Selected Annual Severity Trend				+ 4.5%		

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

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

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

(1) 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>
12/31/2007	\$ 26,901,280	653	\$ 41,196	\$ 62,713		
6/30/2008	25,726,123	575	44,741	63,068		
12/31/2008	25,854,143	517	50,008	63,425		
6/30/2009	34,441,375	543	63,428	63,784		
12/31/2009	42,309,011	567	74,619	64,145	\$ 86,578	
6/30/2010	43,587,572	599	72,767	64,508	84,360	
12/31/2010	36,370,607	572	63,585	64,873	82,198	
6/30/2011	45,218,829	522	86,626	65,240	80,092	
12/31/2011	49,850,962	479	104,073	65,609	78,040	\$ 95,002
6/30/2012	38,939,421	399	97,593	65,980	76,041	89,961
12/31/2012	34,118,895	381	89,551	66,354	74,093	85,188
6/30/2013	30,613,112	416	73,589	66,729	72,195	80,668
12/31/2013	36,364,468	454	80,098	67,107	70,345	76,388
6/30/2014	36,168,642	500	72,337	67,486	68,543	72,335
12/31/2014	30,519,286	547	55,794	67,868	66,787	68,497
6/30/2015	34,689,148	636	54,543	68,252	65,076	64,863
12/31/2015	45,136,087	755	59,783	68,639	63,408	61,421
6/30/2016	40,118,101	744	53,922	69,027	61,784	58,162
12/31/2016	46,618,893	776	60,076	69,418	60,201	55,076
6/30/2017	41,040,660	634	64,733	69,811	58,659	52,154
Goodness of Fit Statistic, R-Squared:				0.018	0.357	0.725
Average Annual Severity Trend (10 yr)				+ 1.1%		
Average Annual Severity Trend ( 8 yr)				- 5.1%		
Average Annual Severity Trend ( 6 yr)				- 10.3%		
Selected Annual Severity Trend				+ 2.5%		

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

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

(See Section B- Explanation of Trend Calculation).

PREMISES/OPERATIONS  
MANUFACTURERS AND CONTRACTORS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES<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>
6/30/2004	\$ 676,651,916	28,385	41.95
6/30/2005	745,342,046	28,327	38.01
6/30/2006	774,015,549	28,648	37.01
6/30/2007	805,834,165	29,766	36.94
6/30/2008	809,853,559	29,525	36.46
6/30/2009	831,737,558	30,397	36.55
6/30/2010	798,632,275	29,975	37.53
6/30/2011	812,067,664	30,606	37.69
6/30/2012	829,469,258	29,583	35.66
6/30/2013	817,325,575	28,635	35.03
6/30/2014	824,995,630	29,509	35.77
6/30/2015	848,716,923	28,079	33.08
6/30/2016	865,446,028	28,386	32.80
6/30/2017	873,566,770	27,983	32.03

Selected Annual Frequency Trend: - 0.5%

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

Selected Annual Frequency Trend: - 1.5%

<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	12/31/2014	\$34,696,411	1.000		1.062				\$36,847,588
	12/31/2015	39,434,431	0.999		1.056				41,601,116
	12/31/2016	42,873,167	1.016		1.058				46,085,568
MULTILINE	12/31/2014	\$111,470,156	1.000		1.062		0.815		\$96,480,764
	12/31/2015	115,255,604	0.999		1.057		0.815		99,188,229
	12/31/2016	117,031,637	1.016		1.060		0.815		102,721,289
TOTAL	12/31/2014								\$133,328,352
	12/31/2015								140,789,345
	12/31/2016								148,806,857

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

# AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2018 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION F - AVERAGE ANNUAL EXPOSURE TRENDS.

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

MULTISTATE  
PRODUCTS  
OCCURRENCE  
FULL COVERAGE  
CALCULATION OF INCURRED LOSSES

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	12/31/2014	\$15,657,809		1.027		1.085		1.131		0.951		\$18,766,112
		12/31/2015	11,386,067		1.317		1.085		1.104		0.961		17,261,626
		12/31/2016	7,088,442		1.858		1.085		1.077		0.970		14,928,414
BI	ALAE	12/31/2014	\$22,037,385				1.085		1.131		0.951		\$25,717,747
		12/31/2015	20,842,945				1.085		1.104		0.961		23,992,819
		12/31/2016	18,553,212				1.085		1.077		0.970		21,029,855
PD	B/L INDEMNITY	12/31/2014	\$20,506,399		1.226		1.085		1.370		0.951		\$35,539,449
		12/31/2015	18,861,495		1.318		1.085		1.286		0.961		33,333,861
		12/31/2016	17,037,281		1.482		1.085		1.208		0.970		32,100,877
PD	ALAE	12/31/2014	\$33,970,488				1.085		1.370		0.951		\$48,021,156
		12/31/2015	28,925,175				1.085		1.286		0.961		38,785,562
		12/31/2016	36,890,878				1.085		1.208		0.970		46,901,572
	TOTAL												
	FULL COVERAGE	12/31/2014											\$128,044,464
		12/31/2015											113,373,868
		12/31/2016											114,960,718

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

MULTISTATE  
PRODUCTS  
OCCURRENCE  
DED COVERAGE  
CALCULATION OF INCURRED LOSSES

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	12/31/2014	\$1,894,399		1.071		1.085		1.131		0.951		\$2,367,739
		12/31/2015	1,769,836		1.261		1.085		1.104		0.961		2,569,037
		12/31/2016	1,128,896		1.855		1.085		1.077		0.970		2,373,641
BI	ALAE	12/31/2014	\$4,042,551				1.085		1.131		0.951		\$4,717,679
		12/31/2015	5,316,555				1.085		1.104		0.961		6,120,015
		12/31/2016	3,288,835				1.085		1.077		0.970		3,727,857
PD	B/L INDEMNITY	12/31/2014	\$4,458,009		1.136		1.085		1.370		0.951		\$7,158,963
		12/31/2015	2,913,796		1.189		1.085		1.286		0.961		4,645,528
		12/31/2016	2,871,212		1.263		1.085		1.208		0.970		4,610,383
PD	ALAE	12/31/2014	\$6,161,495				1.085		1.370		0.951		\$8,709,975
		12/31/2015	4,778,589				1.085		1.286		0.961		6,407,576
		12/31/2016	5,757,888				1.085		1.208		0.970		7,320,346
	TOTAL DED COVERAGE	12/31/2014											\$22,954,355
		12/31/2015											19,742,156
		12/31/2016											18,032,227
	TOTAL	12/31/2014											\$150,998,819
		12/31/2015											133,116,024
		12/31/2016											132,992,946

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

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	0.812
35	Not Applicable	--
36	Service Policy	0.891
37	Industrial/Processing Policy	0.812
38	Not Applicable	--

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

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

MULTISTATE  
PRODUCTS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2009	302,144,293	298,318,912	298,099,597	298,069,835	298,041,540	298,041,459	298,041,464	298,041,464
12/31/2010	301,700,678	307,323,218	307,164,637	307,165,680	307,162,675	307,147,793	307,146,429	
12/31/2011	314,742,602	322,389,616	322,187,529	322,169,341	322,187,119	322,190,988		
12/31/2012	333,146,633	340,243,697	340,078,028	340,089,200	340,111,214			
12/31/2013	353,555,852	356,926,445	356,523,222	356,512,294				
12/31/2014	371,586,701	379,197,118	379,048,620					
12/31/2015	379,791,923	381,897,580						
12/31/2016	371,306,469							

LINK RATIOS

Accident Year Ending	<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>
12/31/2009	0.987	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2010	1.019	0.999	1.000	1.000	1.000	1.000	
12/31/2011	1.024	0.999	1.000	1.000	1.000		
12/31/2012	1.021	1.000	1.000	1.000			
12/31/2013	1.010	0.999	1.000				
12/31/2014	1.020	1.000					
12/31/2015	1.006						
12/31/2016							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.017	0.999

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

## MULTISTATE PRODUCTS LOSS DEVELOPMENT DATA

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1997	10,683,172	15,373,635	18,708,359	20,483,563	20,399,282	20,506,084	20,551,412	20,792,226	21,939,826	21,728,814	21,944,855
12/31/1998	6,536,565	11,619,157	16,112,006	17,263,785	16,566,972	16,240,124	16,703,835	17,869,715	17,830,499	18,068,333	18,117,453
12/31/1999	8,023,675	13,515,621	17,514,442	20,208,197	20,324,209	20,305,368	20,181,222	19,775,924	20,298,906	20,533,236	20,373,584
12/31/2000	7,770,132	11,067,182	14,727,768	16,706,980	16,380,419	16,231,969	16,901,439	16,268,989	16,166,444	16,274,945	16,177,956
12/31/2001	8,431,596	12,759,813	16,488,397	17,236,357	18,051,483	17,668,130	17,964,183	18,330,784	18,000,514	17,847,202	18,167,384
12/31/2002	7,249,176	11,218,596	15,084,629	16,878,783	16,374,186	15,480,140	15,237,862	15,001,330	14,996,471	15,024,542	15,314,641
12/31/2003	7,525,041	12,460,199	15,318,957	15,982,639	15,271,559	14,594,803	14,302,535	14,766,813	15,085,645	15,274,756	15,245,236
12/31/2004	7,408,812	11,425,242	15,008,123	16,761,754	16,171,517	14,987,670	14,986,380	14,865,828	15,227,640	15,339,820	15,341,398
12/31/2005	9,153,300	10,943,559	14,255,893	14,014,929	14,321,349	14,388,998	14,216,860	14,443,703	14,213,223	14,138,197	14,091,474
12/31/2006	8,268,452	13,161,254	17,375,269	17,630,367	16,964,512	17,219,609	17,136,211	17,343,718	17,597,982	17,542,815	17,184,585
12/31/2007	10,005,711	15,550,581	19,082,331	19,983,307	19,869,684	20,022,632	19,506,827	19,508,378	19,290,304	19,184,602	
12/31/2008	9,941,273	14,699,982	17,664,017	18,384,399	20,090,720	18,710,814	18,493,939	18,312,768	18,344,275		
12/31/2009	11,633,475	14,679,608	17,440,121	17,454,242	17,265,361	17,298,123	17,152,362	17,234,185			
12/31/2010	11,724,566	16,063,050	17,662,078	18,165,680	18,266,215	16,881,134	16,632,381				
12/31/2011	9,661,001	13,099,428	16,282,520	16,477,279	15,821,069	15,609,735					
12/31/2012	9,618,139	14,298,628	18,361,789	18,618,637	18,827,184						
12/31/2013	7,274,236	11,030,675	15,105,561	16,054,057							
12/31/2014	8,059,071	11,190,698	14,790,714								
12/31/2015	7,800,188	10,456,467									
12/31/2016	6,818,393										

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



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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.439	1.217	1.095	0.996	1.005	1.002	1.012	1.055	0.990	1.010	1.002
12/31/1998	1.778	1.387	1.071	0.960	0.980	1.029	1.070	0.998	1.013	1.003	0.985
12/31/1999	1.684	1.296	1.154	1.006	0.999	0.994	0.980	1.026	1.012	0.992	0.997
12/31/2000	1.424	1.331	1.134	0.980	0.991	1.041	0.963	0.994	1.007	0.994	1.001
12/31/2001	1.513	1.292	1.045	1.047	0.979	1.017	1.020	0.982	0.991	1.018	1.018
12/31/2002	1.548	1.345	1.119	0.970	0.945	0.984	0.984	1.000	1.002	1.019	1.030
12/31/2003	1.656	1.229	1.043	0.956	0.956	0.980	1.032	1.022	1.013	0.998	1.001
12/31/2004	1.542	1.314	1.117	0.965	0.927	1.000	0.992	1.024	1.007	1.000	0.991
12/31/2005	1.196	1.303	0.983	1.022	1.005	0.988	1.016	0.984	0.995	0.997	0.992
12/31/2006	1.592	1.320	1.015	0.962	1.015	0.995	1.012	1.015	0.997	0.980	
12/31/2007	1.554	1.227	1.047	0.994	1.008	0.974	1.000	0.989	0.995		
12/31/2008	1.479	1.202	1.041	1.093	0.931	0.988	0.990	1.002			
12/31/2009	1.262	1.188	1.001	0.989	1.002	0.992	1.005				
12/31/2010	1.370	1.100	1.029	1.006	0.924	0.985					
12/31/2011	1.356	1.243	1.012	0.960	0.987						
12/31/2012	1.487	1.284	1.014	1.011							
12/31/2013	1.516	1.369	1.063								
12/31/2014	1.389	1.322									
12/31/2015	1.341										

3 Yr Mean	1.415	1.325	1.030	0.992	0.971	0.988	0.998	1.002	0.996	0.992	0.995
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Best 3/5	1.411	1.283	1.018	1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.985	0.994	1.005	1.002	0.998	1.006	0.999	1.001			
12/31/1998	1.000	1.009	1.007	1.001	1.012	1.002	1.006	1.001 *			
12/31/1999	0.995	1.005	1.012	1.036	1.009	1.002	1.002 *	1.001 *			
12/31/2000	1.009	1.003	1.012	1.015	1.003	1.004 *	1.002 *	1.001 *			
12/31/2001	1.006	1.012	1.017	0.997	1.004 *	1.004 *	1.002 *	1.001 *			
12/31/2002	0.980	1.007	0.979								
12/31/2003	1.011	0.995									
12/31/2004	0.993										

3 Yr Mean	0.995	1.005	1.003	1.016	1.008 @	1.003 @	1.003 @	1.001 @			
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Best 3/5	1.003	1.005	1.010	1.006	1.005 *	1.003 *	1.002 *	1.001 *			
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Development From											
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					0.973	0.988	1.006	1.002	1.000	0.998	1.004
12/31/2013				1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004
12/31/2014			1.018	1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004
12/31/2015		1.283	1.018	1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004
12/31/2016	1.411	1.283	1.018	1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.006
12/31/2013	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.008
12/31/2014	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.027
12/31/2015	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.317
12/31/2016	1.003	1.005	1.010	1.006	1.005	1.003	1.002	1.001	1.001*	1.858

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

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	857,471	1,096,399	1,318,331	1,536,964	1,777,769	1,909,020	1,962,570	1,973,070	1,977,109	2,110,930	1,996,441
12/31/1998	533,067	990,732	1,375,623	1,430,484	1,488,729	1,417,757	1,358,506	1,357,798	1,416,476	1,337,074	1,337,075
12/31/1999	499,691	684,095	962,281	1,209,567	1,327,393	1,200,508	1,519,661	1,355,355	1,344,023	1,270,122	1,393,595
12/31/2000	882,834	1,092,378	1,453,090	1,749,080	1,689,261	1,676,463	1,833,017	1,897,054	1,974,421	1,860,885	1,989,880
12/31/2001	506,813	1,031,350	1,420,172	1,822,482	1,597,318	1,792,618	2,107,687	2,072,547	2,111,120	2,028,185	2,049,083
12/31/2002	563,001	1,110,666	1,584,240	1,512,328	1,822,546	1,820,279	1,893,928	1,718,005	1,666,078	1,669,973	1,667,628
12/31/2003	638,864	916,783	958,041	1,779,977	1,519,336	1,481,000	1,535,514	1,527,017	1,529,492	1,535,140	1,537,251
12/31/2004	1,261,188	1,563,906	2,417,227	2,777,323	2,776,409	2,650,423	2,512,394	2,582,831	2,581,636	2,583,100	2,597,391
12/31/2005	893,932	1,205,397	1,975,626	2,039,457	1,462,671	1,461,365	1,499,228	1,432,397	1,329,908	1,325,483	1,329,974
12/31/2006	1,362,302	2,062,061	2,406,395	2,223,933	1,963,162	1,895,588	1,928,997	1,976,444	1,876,527	1,881,029	1,908,587
12/31/2007	1,781,882	2,342,635	2,225,250	2,535,444	2,599,309	2,134,228	2,140,655	2,247,232	2,251,643	2,276,632	
12/31/2008	1,138,142	1,545,957	1,964,461	2,056,873	2,123,092	2,173,719	2,289,233	2,261,703	2,186,705		
12/31/2009	918,066	1,175,956	1,369,211	1,533,576	1,766,190	1,912,731	1,857,492	1,852,494			
12/31/2010	1,171,857	1,971,906	2,121,592	2,177,484	2,308,851	2,506,088	2,458,750				
12/31/2011	1,250,885	1,766,129	2,171,567	1,883,862	1,859,271	1,864,053					
12/31/2012	1,038,711	1,466,000	1,991,731	1,831,533	1,698,782						
12/31/2013	853,052	1,249,105	1,387,865	1,658,327							
12/31/2014	899,810	1,727,643	2,060,618								
12/31/2015	925,729	1,421,526									
12/31/2016	1,000,423										

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

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.279	1.202	1.166	1.157	1.074	1.028	1.005	1.002	1.068	0.946	0.999
12/31/1998	1.859	1.388	1.040	1.041	0.952	0.958	0.999	1.043	0.944	1.000	1.008
12/31/1999	1.369	1.407	1.257	1.097	0.904	1.266	0.892	0.992	0.945	1.097	1.024
12/31/2000	1.237	1.330	1.204	0.966	0.992	1.093	1.035	1.041	0.942	1.069	1.026
12/31/2001	2.035	1.377	1.283	0.876	1.122	1.176	0.983	1.019	0.961	1.010	1.011
12/31/2002	1.973	1.426	0.955	1.205	0.999	1.040	0.907	0.970	1.002	0.999	1.000
12/31/2003	1.435	1.045	1.858	0.854	0.975	1.037	0.994	1.002	1.004	1.001	1.000
12/31/2004	1.240	1.546	1.149	1.000	0.955	0.948	1.028	1.000	1.001	1.006	0.998
12/31/2005	1.348	1.639	1.032	0.717	0.999	1.026	0.955	0.928	0.997	1.003	1.002
12/31/2006	1.514	1.167	0.924	0.883	0.966	1.018	1.025	0.949	1.002	1.015	
12/31/2007	1.315	0.950	1.139	1.025	0.821	1.003	1.050	1.002	1.011		
12/31/2008	1.358	1.271	1.047	1.032	1.024	1.053	0.988	0.967			
12/31/2009	1.281	1.164	1.120	1.152	1.083	0.971	0.997				
12/31/2010	1.683	1.076	1.026	1.060	1.085	0.981					
12/31/2011	1.412	1.230	0.868	0.987	1.003						
12/31/2012	1.411	1.359	0.920	0.928							
12/31/2013	1.464	1.111	1.195								
12/31/2014	1.920	1.193									
12/31/2015	1.536										

3 Yr Mean      1.640      1.221      0.994      0.992      1.057      1.002      1.012      0.973      1.003      1.008      1.000

Best 3/5      1.471      1.178      1.022      1.026      1.037      1.001      1.003      0.972      1.002      1.003      1.001

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

3 Yr Mean      1.000      1.007      1.006      1.000      1.011 @      1.004 @      1.001 @      1.000 @

Best 3/5      0.997      1.007      1.001      1.001      0.998 \*      0.999 \*      1.000 \*      1.000 \*

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

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.021
12/31/2013	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.048
12/31/2014	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.071
12/31/2015	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.261
12/31/2016	0.997	1.007	1.001	1.001	0.998	0.999	1.000	1.000	1.000*	1.855

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

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

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

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

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

Increments													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	2,466,693	4,925,443	1,897,323	3,698,948	881,860	380,642	1,077,638	2,316,230	-63,715	447,805	809,737	28,588	13,024
12/31/1998	3,930,099	3,618,186	2,005,358	838,711	872,314	906,431	1,360,503	-83,421	805,167	363,400	102,126	206,722	293,382
12/31/1999	3,837,232	2,370,203	3,432,707	2,569,035	1,263,323	499,359	-54,832	961,219	1,394,882	729,557	408,898	851,554	602,074
12/31/2000	3,434,490	3,951,799	3,765,698	1,628,189	1,316,876	2,495,081	728,463	1,142,611	750,529	199,971	329,550	352,316	389,139
12/31/2001	3,634,161	3,381,578	2,194,679	3,341,705	1,801,662	1,794,846	1,670,882	362,354	-35,567	337,521	302,022	341,359	281,022
12/31/2002	2,361,338	4,568,584	4,358,657	3,263,869	3,031,912	231,599	752,930	513,369	455,975	277,584	2,453,884	-80,315	-26,339
12/31/2003	3,126,187	4,483,331	5,684,791	4,141,866	1,483,005	621,125	980,238	-289,473	960,782	1,153,180	-63,455	267,952	-667,752
12/31/2004	2,100,425	3,598,328	4,477,948	3,088,444	-120,721	1,481,086	849,096	889,128	1,197,196	147,717	156,065	123,540	
12/31/2005	1,938,730	2,651,787	2,682,846	2,361,100	2,263,126	52,777	329,617	215,162	429,123	297,663	164,304		
12/31/2006	4,696,590	2,485,916	3,097,170	2,113,117	1,883,622	3,009,220	1,313,905	-984,045	82,034	16,909			
12/31/2007	4,655,269	4,012,268	4,400,811	3,380,781	1,822,343	1,175,624	224,347	227,324	4,327,058				
12/31/2008	2,700,572	4,471,698	6,348,318	4,400,932	2,096,208	-41,888	412,593	343,237					
12/31/2009	2,621,441	4,766,889	3,261,073	2,467,557	1,084,147	37,558	289,081						
12/31/2010	3,926,860	4,210,835	5,590,794	2,142,716	798,315	186,564							
12/31/2011	3,432,432	5,044,051	3,607,477	2,157,727	1,366,088								
12/31/2012	5,325,943	9,391,914	5,352,917	3,860,821									
12/31/2013	3,939,619	4,469,018	3,373,314										
12/31/2014	2,973,121	4,403,780											
12/31/2015	2,917,005												

Incremental Percentages													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	0.0646	0.1291	0.0497	0.0969	0.0231	0.0100	0.0282	0.0607	-0.0017	0.0117	0.0212	0.0007	0.0003
12/31/1998	0.1192	0.1097	0.0608	0.0254	0.0265	0.0275	0.0413	-0.0025	0.0244	0.0110	0.0031	0.0063	0.0089
12/31/1999	0.0977	0.0603	0.0874	0.0654	0.0322	0.0127	-0.0014	0.0245	0.0355	0.0186	0.0104	0.0217	0.0153
12/31/2000	0.1088	0.1252	0.1193	0.0516	0.0417	0.0790	0.0231	0.0362	0.0238	0.0063	0.0104	0.0112	0.0123
12/31/2001	0.1070	0.0995	0.0646	0.0984	0.0530	0.0528	0.0492	0.0107	-0.0010	0.0099	0.0089	0.0100	0.0083
12/31/2002	0.0801	0.1551	0.1479	0.1108	0.1029	0.0079	0.0256	0.0174	0.0155	0.0094	0.0833	-0.0027	-0.0009
12/31/2003	0.0974	0.1397	0.1772	0.1291	0.0462	0.0194	0.0306	-0.0090	0.0299	0.0359	-0.0020	0.0084	-0.0208
12/31/2004	0.0747	0.1280	0.1593	0.1098	-0.0043	0.0527	0.0302	0.0316	0.0426	0.0053	0.0056	0.0044	
12/31/2005	0.0610	0.0834	0.0844	0.0743	0.0712	0.0017	0.0104	0.0068	0.0135	0.0094	0.0052		
12/31/2006	0.1319	0.0698	0.0870	0.0593	0.0529	0.0845	0.0369	-0.0276	0.0023	0.0005			
12/31/2007	0.1168	0.1006	0.1104	0.0848	0.0457	0.0295	0.0056	0.0057	0.1085				
12/31/2008	0.0744	0.1232	0.1749	0.1213	0.0578	-0.0012	0.0114	0.0095					
12/31/2009	0.0682	0.1240	0.0848	0.0642	0.0282	0.0010	0.0075						
12/31/2010	0.1098	0.1178	0.1564	0.0599	0.0223	0.0052							
12/31/2011	0.1136	0.1670	0.1194	0.0714	0.0452								
12/31/2012	0.1377	0.2428	0.1384	0.0998									
12/31/2013	0.1274	0.1446	0.1091										
12/31/2014	0.0909	0.1346											
12/31/2015	0.1052												

Best 3/5	0.1154	0.1487	0.1223	0.0785	0.0397	0.0119	0.0098	0.0073	0.0287	0.0080	0.0065	0.0076	0.0066
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PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE  
 BODILY INJURY - OCCURRENCE  
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	183:171	195:183	207:195	Link Ratios 219:207	231:219	243:231	Ult:243
12/31/1997	1.003	1.008	1.014	1.007	1.012	1.004	1.004 *
12/31/1998	1.008	1.025	1.007	1.002	1.005	1.005 *	1.004 *
12/31/1999	1.054	1.035	1.023	1.019	1.007 *	1.005 *	1.004 *
12/31/2000	1.006	1.010	1.008	1.010 *	1.007 *	1.005 *	1.004 *
12/31/2001	1.014	1.010	1.015 *	1.010 *	1.007 *	1.005 *	1.004 *
12/31/2002	0.969						
Best 3/5	1.009	1.015	1.012 *	1.009 *	1.007 *	1.005 *	1.004 *

171 to Ultimate Factor: 1.063

<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>
	0.591	0.476	0.327	0.205	0.126	0.086	0.074
<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>
	0.065	0.057	0.029	0.021	0.014	0.007	0.000

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

\* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

<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>
12/31/1997	11,433,780	14,521,128	16,653,693	18,600,893	18,708,737	18,067,783	18,417,606	19,661,388	19,597,968	19,350,478	19,596,637
12/31/1998	9,526,550	13,668,593	14,898,423	15,178,946	16,236,009	17,131,129	18,656,709	17,426,150	17,625,215	18,510,390	18,784,024
12/31/1999	9,646,153	12,424,001	14,342,876	16,131,628	15,552,684	16,781,246	16,628,635	17,788,350	18,561,461	18,867,153	18,909,585
12/31/2000	10,022,573	13,601,797	15,480,939	16,417,496	18,138,490	19,058,032	20,069,708	20,861,260	21,198,955	21,502,900	21,516,086
12/31/2001	11,985,741	15,342,866	19,515,630	20,647,776	20,485,120	21,289,161	22,540,330	22,451,321	22,886,926	23,124,689	23,490,388
12/31/2002	9,712,129	15,108,615	18,237,432	17,585,240	17,738,527	18,928,070	19,339,562	19,625,217	19,886,143	20,142,261	20,686,810
12/31/2003	11,517,082	13,589,218	15,849,377	17,229,172	18,895,955	20,208,454	20,616,683	21,094,307	21,634,862	21,995,105	22,116,082
12/31/2004	10,425,745	12,622,341	14,141,938	14,670,319	16,053,631	16,106,318	16,546,158	16,949,321	17,102,835	17,484,512	17,709,444
12/31/2005	12,213,405	14,748,883	15,159,359	15,697,249	15,948,807	16,713,435	16,591,186	17,672,041	17,687,721	18,351,744	18,689,063
12/31/2006	13,853,249	15,615,864	16,821,762	17,194,192	18,373,528	18,744,432	19,488,918	21,421,244	22,090,881	21,924,526	22,084,554
12/31/2007	18,896,743	21,361,568	22,503,923	22,660,647	24,030,099	24,909,926	26,299,363	27,042,838	27,255,581	28,015,481	
12/31/2008	17,994,067	21,467,864	23,153,634	24,438,207	25,202,010	26,309,182	27,034,242	27,552,983	28,030,509		
12/31/2009	21,011,525	23,717,379	25,278,133	25,471,806	25,786,749	26,428,548	26,197,032	26,950,828			
12/31/2010	19,746,552	22,605,193	24,140,583	24,636,499	24,770,247	25,520,163	25,585,132				
12/31/2011	16,572,177	18,461,300	19,296,487	20,885,088	21,246,114	21,877,005					
12/31/2012	17,691,636	18,989,614	20,731,657	23,228,418	23,711,312						
12/31/2013	16,400,132	19,260,151	20,611,873	20,879,560							
12/31/2014	15,674,069	17,890,118	19,458,441								
12/31/2015	15,925,566	17,780,406									
12/31/2016	15,919,724										
<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>		
12/31/1997	19,407,640	19,630,877	19,470,574	19,543,864	19,399,841	19,454,687	19,512,126	19,511,126	19,488,849		
12/31/1998	19,047,848	19,297,412	19,294,430	19,259,165	19,182,362	19,204,241	19,204,140	19,179,141			
12/31/1999	18,762,473	18,652,883	18,746,287	18,716,815	18,745,030	18,871,522	18,875,400				
12/31/2000	21,286,092	21,431,753	21,280,634	21,266,991	21,268,382	21,267,010					
12/31/2001	23,491,934	23,316,441	23,225,470	23,279,844	23,233,695						
12/31/2002	20,777,571	20,892,108	20,938,830	21,043,009							
12/31/2003	22,634,676	22,433,754	22,393,841								
12/31/2004	17,912,709	17,849,772									
12/31/2005	18,552,585										

PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.270	1.147	1.117	1.006	0.966	1.019	1.068	0.997	0.987	1.013	0.990
12/31/1998	1.435	1.090	1.019	1.070	1.055	1.089	0.934	1.011	1.050	1.015	1.014
12/31/1999	1.288	1.154	1.125	0.964	1.079	0.991	1.070	1.043	1.016	1.002	0.992
12/31/2000	1.357	1.138	1.060	1.105	1.051	1.053	1.039	1.016	1.014	1.001	0.989
12/31/2001	1.280	1.272	1.058	0.992	1.039	1.059	0.996	1.019	1.010	1.016	1.000
12/31/2002	1.556	1.207	0.964	1.009	1.067	1.022	1.015	1.013	1.013	1.027	1.004
12/31/2003	1.180	1.166	1.087	1.097	1.069	1.020	1.023	1.026	1.017	1.006	1.023
12/31/2004	1.211	1.120	1.037	1.094	1.003	1.027	1.024	1.009	1.022	1.013	1.011
12/31/2005	1.208	1.028	1.035	1.016	1.048	0.993	1.065	1.001	1.038	1.018	0.993
12/31/2006	1.127	1.077	1.022	1.069	1.020	1.040	1.099	1.031	0.992	1.007	
12/31/2007	1.130	1.053	1.007	1.060	1.037	1.056	1.028	1.008	1.028		
12/31/2008	1.193	1.079	1.055	1.031	1.044	1.028	1.019	1.017			
12/31/2009	1.129	1.066	1.008	1.012	1.025	0.991	1.029				
12/31/2010	1.145	1.068	1.021	1.005	1.030	1.003					
12/31/2011	1.114	1.045	1.082	1.017	1.030						
12/31/2012	1.073	1.092	1.120	1.021							
12/31/2013	1.174	1.070	1.013								
12/31/2014	1.141	1.088									
12/31/2015	1.116										

3 Yr Mean 1.144 1.083 1.072 1.014 1.028 1.007 1.025 1.019 1.019 1.013 1.009

Best 3/5 1.124 1.075 1.039 1.017 1.032 1.024 1.041 1.011 1.022 1.013 1.005

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.012	0.992	1.004	0.993	1.003	1.003	1.000	0.999			
12/31/1998	1.013	1.000	0.998	0.996	1.001	1.000	0.999	1.001 *			
12/31/1999	0.994	1.005	0.998	1.002	1.007	1.000	1.001 *	1.001 *			
12/31/2000	1.007	0.993	0.999	1.000	1.000	1.001 *	1.001 *	1.001 *			
12/31/2001	0.993	0.996	1.002	0.998	0.998 *	1.001 *	1.001 *	1.001 *			
12/31/2002	1.006	1.002	1.005								
12/31/2003	0.991	0.998									
12/31/2004	0.996										

3 Yr Mean 0.998 0.999 1.002 1.000 1.003 @ 1.001 @ 1.000 @ 0.999 @

Best 3/5 0.998 0.999 1.000 0.998 1.001 \* 1.001 \* 1.001 \* 1.001 \*

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.032	1.024	1.041	1.011	1.022	1.013	1.005
12/31/2013				1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005
12/31/2014			1.039	1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005
12/31/2015		1.075	1.039	1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005
12/31/2016	1.124	1.075	1.039	1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.161
12/31/2013	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.180
12/31/2014	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.226
12/31/2015	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.318
12/31/2016	0.998	0.999	1.000	0.998	1.001	1.001	1.001	1.001	1.004*	1.482

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios



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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	1,512,421	1,827,036	2,287,045	2,497,144	2,716,648	3,647,346	4,102,750	3,315,724	3,534,797	4,237,001	3,903,827
12/31/1998	1,035,376	1,693,891	1,888,505	1,907,518	2,135,914	3,078,424	2,757,453	2,751,402	3,080,149	3,265,137	3,320,703
12/31/1999	885,190	986,331	1,250,251	1,813,898	1,835,525	2,000,540	2,134,227	2,289,947	2,613,234	2,823,584	2,909,475
12/31/2000	921,353	1,445,411	1,891,385	1,803,458	1,911,789	2,086,404	2,474,227	2,668,130	2,812,076	3,027,082	3,097,049
12/31/2001	1,722,974	1,924,777	2,520,602	2,806,538	2,729,897	3,040,445	3,488,229	4,060,847	4,303,076	4,421,154	4,569,788
12/31/2002	821,127	1,532,634	1,888,541	2,303,004	2,893,778	3,018,020	3,170,334	3,284,663	3,885,946	3,872,977	3,872,178
12/31/2003	1,633,801	1,760,813	1,621,790	1,612,864	1,665,621	1,808,718	2,159,886	2,201,461	2,225,359	2,380,285	2,705,163
12/31/2004	708,966	1,301,618	1,799,252	1,551,855	1,433,456	1,510,529	1,524,216	1,492,583	1,605,728	1,707,199	1,704,027
12/31/2005	1,839,840	3,006,021	2,828,232	3,172,061	3,229,774	3,103,531	3,369,469	3,491,011	3,487,635	3,435,645	3,370,962
12/31/2006	2,739,548	4,038,503	4,482,928	4,160,418	4,098,990	4,233,977	4,690,793	4,763,238	4,869,295	4,998,224	5,031,644
12/31/2007	3,386,279	3,097,519	3,031,213	3,133,141	3,449,007	3,385,354	3,478,243	3,652,112	3,747,406	3,760,636	
12/31/2008	2,318,311	2,552,925	3,040,547	3,183,744	2,960,420	3,018,726	3,185,618	3,273,757	3,283,953		
12/31/2009	3,499,393	3,487,472	3,057,187	3,116,760	3,240,776	3,461,193	3,368,806	3,522,414			
12/31/2010	2,187,415	3,079,994	3,387,852	3,125,893	3,138,662	3,248,520	3,277,443				
12/31/2011	3,316,835	3,338,937	3,196,445	3,185,390	3,411,261	3,280,517					
12/31/2012	2,966,126	2,912,153	3,342,127	3,196,842	3,361,984						
12/31/2013	3,832,534	4,084,458	4,113,576	4,194,471							
12/31/2014	3,436,297	4,562,759	4,718,796								
12/31/2015	2,795,940	3,110,531									
12/31/2016	2,968,165										

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

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.208	1.252	1.092	1.088	1.343	1.125	0.808	1.066	1.199	0.921	1.059
12/31/1998	1.636	1.115	1.010	1.120	1.441	0.896	0.998	1.119	1.060	1.017	0.984
12/31/1999	1.114	1.268	1.451	1.012	1.090	1.067	1.073	1.141	1.080	1.030	0.984
12/31/2000	1.569	1.309	0.954	1.060	1.091	1.186	1.078	1.054	1.076	1.023	0.972
12/31/2001	1.117	1.310	1.113	0.973	1.114	1.147	1.164	1.060	1.027	1.034	0.965
12/31/2002	1.867	1.232	1.219	1.257	1.043	1.050	1.036	1.183	0.997	1.000	0.934
12/31/2003	1.078	0.921	0.994	1.033	1.086	1.194	1.019	1.011	1.070	1.136	1.025
12/31/2004	1.836	1.382	0.863	0.924	1.054	1.009	0.979	1.076	1.063	0.998	0.982
12/31/2005	1.634	0.941	1.122	1.018	0.961	1.086	1.036	0.999	0.985	0.981	1.027
12/31/2006	1.474	1.110	0.928	0.985	1.033	1.108	1.015	1.022	1.026	1.007	
12/31/2007	0.915	0.979	1.034	1.101	0.982	1.027	1.050	1.026	1.004		
12/31/2008	1.101	1.191	1.047	0.930	1.020	1.055	1.028	1.003			
12/31/2009	0.997	0.877	1.019	1.040	1.068	0.973	1.046				
12/31/2010	1.408	1.100	0.923	1.004	1.035	1.009					
12/31/2011	1.007	0.957	0.997	1.071	0.962						
12/31/2012	0.982	1.148	0.957	1.052							
12/31/2013	1.066	1.007	1.020								
12/31/2014	1.328	1.034									
12/31/2015	1.113										
3 Yr Mean	1.169	1.063	0.991	1.042	1.022	1.012	1.041	1.017	1.005	0.995	1.011
Best 3/5	1.062	1.047	0.991	1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.954	0.964	0.994	1.000	1.000	1.000	1.000	1.000			
12/31/1998	0.995	1.004	0.999	1.007	1.000	1.000	1.000	1.000 *			
12/31/1999	0.994	1.000	1.002	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2000	0.983	1.003	0.999	0.998	1.000	1.000 *	1.000 *	1.000 *			
12/31/2001	0.991	0.989	0.996	0.983	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2002	0.986	0.986	0.997								
12/31/2003	1.001	1.012									
12/31/2004	1.017										
3 Yr Mean	1.001	0.996	0.997	0.994	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.993	0.997	0.998	0.999	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.012	1.030	1.037	1.017	1.031	1.002	0.991
12/31/2013				1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991
12/31/2014			0.991	1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991
12/31/2015		1.047	0.991	1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991
12/31/2016	1.062	1.047	0.991	1.032	1.012	1.030	1.037	1.017	1.031	1.002	0.991

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.111
12/31/2013	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.146
12/31/2014	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.136
12/31/2015	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.189
12/31/2016	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.263

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

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

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

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	18,767,245	18,632,396	18,617,685	18,622,764	18,629,571	18,658,888	18,669,968	18,663,862	18,677,499
12/31/1998	17,751,962	18,201,169	18,360,039	18,269,732	18,315,254	18,318,709	18,319,001	18,319,280	
12/31/1999	18,160,256	17,733,014	17,868,249	17,804,372	17,918,780	17,845,042	17,859,041		
12/31/2000	22,290,024	22,642,073	22,802,728	22,742,347	22,999,365	22,996,450			
12/31/2001	21,065,185	21,526,957	22,071,002	22,132,492	22,128,017				
12/31/2002	16,217,808	16,524,055	16,751,659	16,866,036					
12/31/2003	22,739,498	23,038,613	23,718,384						
12/31/2004	19,315,645	19,624,686							
12/31/2005	19,758,316								

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

Increments													
A.Y.E	<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>
12/31/1997	2,010,037	6,175,505	300,279	1,606,287	1,545,583	804,395	2,370,673	2,469,829	-790,680	281,807	379,889	-134,849	-14,711
12/31/1998	2,250,980	1,962,132	1,784,336	2,582,110	1,608,320	1,655,385	183,068	1,309,620	1,516,671	851,810	558,105	449,207	158,870
12/31/1999	767,060	2,259,936	2,589,681	1,271,843	2,316,161	1,294,732	1,357,393	1,204,972	1,779,820	454,547	597,427	-427,242	135,235
12/31/2000	1,306,433	2,349,093	3,930,066	2,669,820	3,196,372	2,582,326	947,334	893,220	857,836	514,806	515,238	352,049	160,655
12/31/2001	1,523,675	2,622,902	3,545,545	3,524,259	1,968,189	2,886,891	1,563,387	1,374,490	-778,083	243,288	488,867	461,772	544,045
12/31/2002	2,188,393	3,441,561	2,062,762	2,365,687	1,350,835	907,678	2,050,039	-433,829	116,074	559,434	378,061	306,247	227,604
12/31/2003	2,349,958	2,674,301	4,117,536	2,101,722	2,024,988	1,907,676	1,119,888	1,257,144	1,038,902	905,209	1,632,428	299,115	679,771
12/31/2004	1,162,936	2,768,306	2,775,215	2,426,942	1,779,008	1,409,110	1,076,013	1,394,245	1,116,004	687,246	936,473	309,041	
12/31/2005	2,457,769	3,513,212	205,552	1,335,726	1,448,112	2,370,595	1,707,862	1,238,309	1,208,437	1,178,916	836,128		
12/31/2006	2,164,640	3,509,416	3,062,213	2,201,143	2,268,880	1,471,380	2,293,137	3,178,425	664,779	804,407			
12/31/2007	2,061,974	2,508,076	4,245,787	2,935,531	2,298,454	1,424,760	2,321,060	1,171,778	1,856,845				
12/31/2008	3,356,154	4,321,055	3,969,727	3,302,030	2,606,859	1,518,889	988,011	772,029					
12/31/2009	5,388,741	6,501,775	3,553,662	3,323,685	3,841,493	1,098,143	1,509,805						
12/31/2010	3,491,668	5,209,871	6,059,029	4,553,140	2,092,662	1,508,116							
12/31/2011	2,400,941	3,911,288	3,710,909	3,028,011	2,864,306								
12/31/2012	5,088,410	5,552,985	7,207,947	2,292,374									
12/31/2013	3,734,806	3,677,601	4,078,070										
12/31/2014	2,840,015	3,300,143											
12/31/2015	3,558,791												

Incremental Percentages													
A.Y.E	<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>
12/31/1997	0.0740	0.2275	0.0111	0.0592	0.0569	0.0296	0.0873	0.0910	-0.0291	0.0104	0.0140	-0.0050	-0.0005
12/31/1998	0.0896	0.0781	0.0710	0.1027	0.0640	0.0659	0.0073	0.0521	0.0603	0.0339	0.0222	0.0179	0.0063
12/31/1999	0.0281	0.0827	0.0948	0.0465	0.0848	0.0474	0.0497	0.0441	0.0651	0.0166	0.0219	-0.0156	0.0049
12/31/2000	0.0404	0.0726	0.1214	0.0825	0.0987	0.0798	0.0293	0.0276	0.0265	0.0159	0.0159	0.0109	0.0050
12/31/2001	0.0449	0.0772	0.1044	0.1038	0.0580	0.0850	0.0460	0.0405	-0.0229	0.0072	0.0144	0.0136	0.0160
12/31/2002	0.0729	0.1147	0.0687	0.0788	0.0450	0.0302	0.0683	-0.0145	0.0039	0.0186	0.0126	0.0102	0.0076
12/31/2003	0.0698	0.0795	0.1223	0.0624	0.0602	0.0567	0.0333	0.0374	0.0309	0.0269	0.0485	0.0089	0.0202
12/31/2004	0.0474	0.1128	0.1131	0.0989	0.0725	0.0574	0.0438	0.0568	0.0455	0.0280	0.0382	0.0126	
12/31/2005	0.0901	0.1288	0.0075	0.0490	0.0531	0.0869	0.0626	0.0454	0.0443	0.0432	0.0307		
12/31/2006	0.0648	0.1050	0.0916	0.0659	0.0679	0.0440	0.0686	0.0951	0.0199	0.0241			
12/31/2007	0.0503	0.0611	0.1035	0.0716	0.0560	0.0347	0.0566	0.0286	0.0453				
12/31/2008	0.0751	0.0967	0.0889	0.0739	0.0584	0.0340	0.0221	0.0173					
12/31/2009	0.1130	0.1364	0.0745	0.0697	0.0806	0.0230	0.0317						
12/31/2010	0.0824	0.1229	0.1430	0.1074	0.0494	0.0356							
12/31/2011	0.0617	0.1005	0.0954	0.0778	0.0736								
12/31/2012	0.1051	0.1147	0.1489	0.0474									
12/31/2013	0.0911	0.0897	0.0994										
12/31/2014	0.0647	0.0752											
12/31/2015	0.0975												

Best 3/5	0.0844	0.1016	0.1126	0.0738	0.0627	0.0348	0.0503	0.0436	0.0402	0.0263	0.0277	0.0112	0.0095
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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>
12/31/1997	1.000	1.000	1.002	1.001	1.000	1.001	1.000 *
12/31/1998	0.995	1.002	1.000	1.000	1.000	1.000 *	1.000 *
12/31/1999	0.996	1.006	0.996	1.001	1.000 *	1.000 *	1.000 *
12/31/2000	0.997	1.011	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2001	1.003	1.000	1.003 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.007						
Best 3/5	0.999	1.003	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.003

<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>
	0.679	0.594	0.493	0.380	0.306	0.244	0.209
<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>
	0.159	0.115	0.075	0.048	0.021	0.010	0.000

A.Y.E	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2014	10,352,590	47,701,057	0.493	23,516,643	33,869,233	1.003	33,970,488
12/31/2015	6,329,155	37,895,324	0.594	22,509,824	28,838,979	1.003	28,925,175
12/31/2016	4,331,570	47,789,792	0.679	32,449,271	36,780,841	1.003	36,890,878

\* Calculated Using Modified Bondy Method

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

<u>Item *</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2012 - 2016 Mean</u>
1. Direct Losses Incurred	\$18,480,140	\$18,521,277	\$19,140,390	\$24,110,646	\$25,085,478	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,270,137	\$5,080,420	\$4,727,492	\$5,601,664	\$4,581,304	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$1,892,698	\$2,061,866	\$2,159,178	\$2,371,173	\$2,496,550	
4. Incurred Losses + ALAE [(1) + (2)]	\$23,750,277	\$23,601,697	\$23,867,882	\$29,712,310	\$29,666,781	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.0%	8.7%	9.0%	8.0%	8.4%	8.4%
6. Selected	8.5%					

Notes: All dollar amounts are displayed in thousands.

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

## PRODUCTS TREND SUMMARY

(1)	<u>EXPOSURE TREND</u>	<u>PRODUCTS</u>	
	Average Annual Percent Change		
	a) 7/1/2014 to 7/1/2019 AYE 12/31/2014	+ 1.3%	
	b) 7/1/2015 to 7/1/2019 AYE 12/31/2015	+ 1.5%	
	c) 7/1/2016 to 7/1/2019 AYE 12/31/2016	+ 2.1%	
(2)	<u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>
	a) Fitted		
	All Years	+ 2.4%	+ 6.1%
	Eight Years	+ 5.1%	+ 6.8%
	Six Years	+ 3.9%	+ 8.9%
	b) Selected	+ 2.5%	+ 6.5%
(3)	<u>FREQUENCY TREND</u>		
	Selected	- 1.0%	
(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 12/31/2014, 12/31/2015 & 12/31/2016

(1)			(2)		
YEAR ENDING			PRODUCTS		
QUARTER*			CLASS GROUP		
			SALES EXPOSURE		
			INDICES		
2006	1		0.957		
	2		0.963		
	3		0.968		
	4		0.973		
2007	1		0.978		
	2		0.982		
	3		0.984		
	4		0.986		
2008	1		0.984		
	2		0.980		
	3		0.979		
	4		0.981		
2009	1		0.988		
	2		0.995		
	3		0.999		
	4		1.000		
2010	1		0.996		
	2		0.993		
	3		0.993		
	4		0.996		
2011	1		0.999		
	2		1.004		
	3		1.009		
	4		1.012		
2012	1		1.016		
	2		1.019		
	3		1.023		
	4		1.027		
2013	1		1.031		
	2		1.033		
	3		1.034		
	4		1.036		
2014	1		1.037		
	2		1.041		
	3		1.044		
	4		1.045		
2015	1		1.046		
	2		1.047		
	3		1.048		
	4		1.049		
2016	1		1.050		
	2		1.050		
	3		1.049		
	4		1.050		
2017	1		1.052		
	2		1.052		
	3P		1.054		
	4P		1.055		
2018	1P		1.057		
	2P		1.062		
	3P		1.068		
	4P		1.077		
2019	1P		1.087		
	2P		1.097		
	3P		1.107		
	4P		1.115		

CHANGE IN EXPOSURES		PRODUCTS
7/1/2014 to 7/1/2019	(2019:4/2014:4)	1.067
7/1/2015 to 7/1/2019	(2019:4/2015:4)	1.063
7/1/2016 to 7/1/2019	(2019:4/2016:4)	1.063

AVERAGE ANNUAL TREND FACTOR		
7/1/2014 to 7/1/2019	( 5.0 YRS )	1.013
7/1/2015 to 7/1/2019	( 4.0 YRS )	1.015
7/1/2016 to 7/1/2019	( 3.0 YRS )	1.021

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

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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>
12/31/2007	\$42,420,543	1,379	\$30,762	\$28,316		
12/31/2008	40,272,526	1,207	33,366	29,003		
12/31/2009	31,685,148	1,251	25,328	29,708	\$26,390	
12/31/2010	32,713,488	1,183	27,653	30,429	27,740	
12/31/2011	28,675,181	1,108	25,880	31,168	29,158	\$30,207
12/31/2012	38,712,344	1,036	37,367	31,925	30,648	31,397
12/31/2013	26,984,675	868	31,088	32,700	32,215	32,635
12/31/2014	23,834,350	657	36,278	33,494	33,862	33,922
12/31/2015	23,912,777	621	38,507	34,307	35,593	35,259
12/31/2016	18,995,085	588	32,305	35,140	37,412	36,649
Goodness of Fit Statistic, R-Squared:				0.241	0.540	0.236
Average Annual Severity Trend (10 yr)				+ 2.4%		
Average Annual Severity Trend ( 8 yr)				+ 5.1%		
Average Annual Severity Trend ( 6 yr)				+ 3.9%		
Selected Annual Severity Trend				+ 2.5%		

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

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

(See Section B - Explanation of Trend Calculation).

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

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2007	\$46,129,603	1,431	\$32,236	\$31,898		
12/31/2008	51,324,935	1,449	35,421	33,856		
12/31/2009	61,006,404	1,517	40,215	35,933	\$34,915	
12/31/2010	54,299,783	1,586	34,237	38,139	37,289	
12/31/2011	46,602,267	1,328	35,092	40,479	39,825	\$37,600
12/31/2012	57,849,826	1,239	46,691	42,964	42,533	40,938
12/31/2013	49,470,838	1,126	43,935	45,601	45,425	44,572
12/31/2014	48,130,952	1,006	47,844	48,399	48,514	48,529
12/31/2015	42,211,125	891	47,375	51,370	51,813	52,837
12/31/2016	49,681,833	801	62,025	54,522	55,336	57,527

Goodness of Fit Statistic, R-Squared:                      0.789              0.710              0.760

Average Annual Severity Trend (10 yr)                      + 6.1%

Average Annual Severity Trend ( 8 yr)                      + 6.8%

Average Annual Severity Trend ( 6 yr)                      + 8.9%

Selected Annual Severity Trend                      + 6.5%

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

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

(See Section B - Explanation of Trend Calculation).

# PRODUCTS

## FREQUENCY TREND MULTISTATE

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

### Bodily Injury and Property Damage Combined

(1) Accident Year <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>
12/31/2003	\$	105,363,415	3,915	37.16
12/31/2004		115,571,937	3,549	30.71
12/31/2005		112,417,336	2,932	26.08
12/31/2006		110,489,840	2,991	27.07
12/31/2007		112,838,232	3,312	29.35
12/31/2008		120,185,990	3,195	26.59
12/31/2009		122,010,236	3,456	28.32
12/31/2010		129,948,988	3,458	26.61
12/31/2011		133,428,615	3,145	23.57
12/31/2012		148,535,277	3,286	22.12
12/31/2013		148,183,605	3,211	21.67
12/31/2014		151,540,686	2,930	19.34
12/31/2015		159,697,036	2,593	16.23
12/31/2016		165,289,404	2,502	15.14

Selected Annual Frequency Trend: - 1.0%

<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)

\*Note: The latest year of ALCCL in this filing reflects the full implementation of monoline/multiline data versus the prior filing.

## CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

### Explanatory Notes (Cont'd)

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

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

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

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

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

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

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

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

Change Factor = (Index) (Class Group Relative Change) (SWRL) (Off balance factor)

where "SWRL" is the selected multistate monoline loss cost level change.

The off balance factor of 1.000 results from capping.

\*Note: The latest year of ALCCL in this filing reflects the full implementation of monoline/multiline data versus the prior filing.

## CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

### Explanatory Notes (Cont'd)

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

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

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

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 03

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* .971 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
10140	286535	1340543	1.39693	.1527	.981	1.041	.930	.022	.020	-9.1	.022	.020
10141	630446	2982738	1.05092	.2420	.941	.999	.892	.025	.022	-12.0	.025	.022
12361	2989917	14424476	1.09537	.5630	1.013	1.075	.960	.095	.091	-4.2	.095	.091
12373	290841	1102394	.82248	.1380	.895	.950	.849	.036	.031	-13.9	.036	.031
13049	279928	1292128	1.37321	.1497	.976	1.036	.925	.063	.058	-7.9	.063	.058
13111	87922	478725	.25164	.0968	.843	.895	.800	.141	.113	-19.9	.141	.113
13112	2231664	9697164	1.62379	.4703	1.244	1.321	1.180	.070	.083	18.6	.070	.083
13621	679238	3392055	1.30611	.2614	1.011	1.073	.959	.440	.420	-4.5	.440	.420
13670	410386	1803204	.99749	.1799	.923	.980	.875	.015	.013	-13.3	.015	.013
15223	1297818	6333636	.95336	.3762	.924	.981	.876	.040	.035	-12.5	.040	.035
15406	272053	1456859	1.43406	.1597	.991	1.052	.940	.050	.047	-6.0	.050	.047
16604	2948785	14744182	.66877	.5681	.771	.818	.731	.290	.212	-26.9	.290	.212
51300	22341	35571	.00000	.0651	.847	.899	.803	.260	.209	-19.6	.260	.209
51305	30346	62943	.15774	.0672	.856	.909	.812	1.510	1.230	-18.5	1.510	1.230
51315	1095109	4769267	.83276	.3200	.883	.937	.837	.139	.116	-16.5	.139	.116
51350	342815	1320770	.65753	.1515	.869	.923	.825	.214	.177	-17.3	.214	.177
51351	30090	108180	.24736	.0705	.860	.913	.816	.066	.054	-18.2	.066	.054
51352	168349	726102	.08959	.1136	.814	.864	.772	.179	.138	-22.9	.179	.138
51355	227300	1217510	.62955	.1451	.866	.919	.821	.141	.116	-17.7	.141	.116
51356	86833	367318	.36166	.0891	.858	.911	.814	1.050	.850	-19.0	1.050	.850
51357	2374	13007	.00000	.0635	.849	.901	.805	.540	.430	-20.4	.540	.430
51358	19137	73456	.43626	.0679	.875	.929	.830	.211	.175	-17.1	.211	.175
51359	115604	414314	1.02740	.0924	.918	.975	.871	1.160	1.010	-12.9	1.160	1.010
51752	1088255	4522385	.68227	.3102	.837	.889	.794	.250	.199	-20.4	.250	.199
52002	1894665	7730168	.97824	.4191	.937	.995	.889	.126	.112	-11.1	.126	.112
53001	4021245	17746480	.91562	.6108	.912	.968	.865	.440	.380	-13.6	.440	.380
53374	10747423	40825945	1.05350	.7790	1.021	1.084	.968	.470	.450	-4.3	.470	.450
53375	2634570	9800064	1.16713	.4728	1.030	1.093	.976	.250	.244	-2.4	.250	.244
53376	657530	3161820	1.03889	.2506	.940	.998	.892	.238	.212	-10.9	.238	.212
53377	3857952	18553416	.82398	.6209	.855	.908	.811	.330	.270	-18.2	.330	.270
53565	407470	1347272	.24356	.1531	.805	.855	.764	.207	.158	-23.7	.207	.158
55371	57617	257090	.00000	.0813	.833	.884	.790	.200	.158	-21.0	.200	.158
56488	56317	277686	2.79880	.0827	1.063	1.128	1.008	.039	.039	0.0	.039	.039
56758	135522	609129	.62977	.1058	.877	.931	.832	.214	.178	-16.8	.214	.178
56759	1255898	4876866	.76284	.3242	.860	.913	.816	.144	.118	-18.1	.144	.118
56760	2472336	11619461	.91119	.5124	.909	.965	.862	.147	.127	-13.6	.147	.127
57002	498804	1441973	.56981	.1588	.853	.906	.809	.161	.130	-19.3	.161	.130

X-TILDE: .942 X-TILDE (MONOLINE): .942 PI-TILDE: .0038509  
 TAU SQUARED: .03000 SIGMA SQUARED: 377831.41706

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

## LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 03

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* .971 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
57651	328807	1386742	.24004	.1555	.803	.852	.761	.066	.050	-24.2	.066	.050
57913	1661751	6843455	.37278	.3926	.697	.740	.661	.590	.430	-27.1	.590	.430
59537	206516	1080934	1.60679	.1366	1.002	1.064	.950	.181	.172	-5.0	.181	.172
59647	94274	347517	.49463	.0877	.870	.924	.825	.249	.205	-17.7	.249	.205
59904	23935	145878	.00000	.0732	.840	.892	.797	.101	.080	-20.8	.101	.080
59905	140299	758546	1.43666	.1158	.968	1.028	.918	.150	.138	-8.0	.150	.138
59925	1570	11652	.63851	.0634	.890	.945	.844	1.250	1.060	-15.2	1.250	1.060
59926	405683	2048118	.75506	.1936	.877	.931	.832	.590	.490	-16.9	.590	.490
59927	43906	197856	2.84599	.0770	1.056	1.121	1.001	1.710	1.710	0.0	1.710	1.710
59963	43287	200676	.06696	.0772	.842	.894	.799	.670	.540	-19.4	.670	.540
59964	260301	1112678	1.05928	.1386	.928	.985	.880	.075	.066	-12.0	.075	.066

L

X-TILDE: .942 X-TILDE (MONOLINE): .942 PI-TILDE: .0038509  
 TAU SQUARED: .03000 SIGMA SQUARED: 377831.41706

L - CAPPED DOWN  
 U - CAPPED UP  
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 E - SUBJECT TO CAPPING EXCEPTION



LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.030 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
10010	228467	900106	.21395	.1051	1.087	.946	.896	.250	.224	-10.4	.250	.224
10040	986402	4785475	1.07411	.2095	1.165	1.014	.961	.310	.300	-3.2	.310	.300
10070	2143866	10085405	1.22279	.3179	1.200	1.044	.989	.143	.141	-1.4	.143	.141
10101	374669	2053349	1.04294	.1389	1.169	1.017	.964	.198	.191	-3.5	.198	.191
10111	216901	889617	.57699	.1048	1.125	.979	.928	.106	.098	-7.5	.106	.098
10255	3519002	15027370	.81393	.3953	1.041	.906	.859	.177	.152	-14.1	.177	.152
10256	12259	68755	1.06600	.0791	1.180	1.027	.973	.162	.158	-2.5	.162	.158
10257	3367246	13942453	1.10969	.3799	1.159	1.009	.956	.196	.187	-4.6	.196	.187
11126	279910	1461119	.65076	.1219	1.124	.978	.927	.026	.024	-7.7	.026	.024
11203	9814	52420	.00000	.0786	1.096	.954	.904	.720	.650	-9.7	.720	.650
11248	10890	89109	.43652	.0798	1.129	.983	.931	.024	.022	-8.3	.024	.022
12391	2097449	10362269	1.02446	.3228	1.136	.989	.937	.107	.100	-6.5	.107	.100
12509	67360	358313	.06261	.0884	1.090	.949	.899	.052	.047	-9.6	.052	.047
12651	792808	3493121	.91791	.1776	1.141	.993	.941	.590	.560	-5.1	.590	.560
12707	267435	1314061	1.33533	.1176	1.207	1.050	.995	.790	.790	0.0	.790	.790
12797	1086080	5075136	1.04326	.2163	1.158	1.008	.955	.176	.168	-4.5	.176	.168
13201	24245	144049	.11562	.0816	1.102	.959	.909	.221	.201	-9.0	.221	.201
13204	1378333	8413145	1.66553	.2871	1.326	1.154	1.094	1.130	1.240	9.7	1.130	1.240
13205	428027	2030660	1.61270	.1382	1.248	1.086	1.029	.440	.450	2.3	.440	.450
13314	353	1647	.00000	.0770	1.098	.956	.906	.022	.020	-9.1	.022	.020
13410	4334483	21611585	1.12173	.4747	1.157	1.007	.954	2.670	2.550	-4.5	2.670	2.550
13412	916739	5600861	1.62444	.2284	1.289	1.122	1.063	1.040	1.110	6.7	1.040	1.110
13590	4664260	20333053	.99408	.4610	1.099	.956	.906	.850	.770	-9.4	.850	.770
13715	1912415	9506921	1.22041	.3076	1.199	1.044	.989	.153	.151	-1.3	.153	.151
13930	1022777	4572268	1.41203	.2044	1.235	1.075	1.019	.201	.205	2.0	.201	.205
14068	11254	51082	.00000	.0786	1.096	.954	.904	.020	.018	-10.0	.020	.018
14527	454694	2033494	1.21094	.1383	1.192	1.037	.983	.206	.202	-1.9	.206	.202
14855	105309	378304	.37460	.0890	1.117	.972	.921	.217	.200	-7.8	.217	.200
16005	494353	2468243	.97407	.1504	1.157	1.007	.954	.042	.040	-4.8	.042	.040
16009	25984	122953	5.81473	.0809	1.564	1.361	1.290	.059	.073	23.7	.059	.073
16527	6181688	29550110	1.17291	.5465	1.180	1.027	.973	.430	.420	-2.3	.430	.420
16705	281319	965475	.50858	.1071	1.117	.972	.921	.188	.173	-8.0	.188	.173
16750	523344	1811536	.48608	.1320	1.097	.955	.905	.045	.041	-8.9	.045	.041
18205	732829	2923601	.92405	.1627	1.146	.997	.945	.380	.360	-5.3	.380	.360
18616	3291039	14489472	.95268	.3878	1.098	.956	.906	.670	.610	-9.0	.670	.610
18707	13046	64436	14.61194	.0790	2.250	1.958	1.855	.003	.003	0.0	.003	.003
45771	280375	1428124	1.39608	.1209	1.214	1.057	1.002	.220	.220	0.0	.220	.220

X-TILDE: 1.089 X-TILDE (MONOLINE): 1.149 PI-TILDE: .0048080  
 TAU SQUARED: .03000 SIGMA SQUARED: 856182.73985

L - CAPPED DOWN  
 U - CAPPED UP  
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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 \* 1.030 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
45901	583731	2893811	.71510	.1619	1.113	.969	.918	.065	.060	-7.7	.065	.060
53907	2944297	11479111	.89264	.3417	1.088	.947	.897	.155	.139	-10.3	.155	.139

X-TILDE: 1.089 X-TILDE (MONOLINE): 1.149 PI-TILDE: .0048080  
 TAU SQUARED: .03000 SIGMA SQUARED: 856182.73985

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 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 \* 1.023 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)	
51380	2187	9520	.94916	.1521	1.001	.870	.819	.088	.072	-18.2	.088	.072	
51575	371570	1770230	.90492	.4157	.967	.841	.792	.035	.028	-20.0	.035	.028	
51576	297861	1164982	.35678	.3458	.785	.683	.643	.138	.100	-27.5	.138	.100	L
51613	170652	765272	.64516	.2896	.905	.787	.741	.270	.200	-25.9	.270	.200	
51666	52577	263107	3.54953	.2038	1.528	1.329	1.251	.102	.127	24.5	.102	.127	U
51767	3797	20169	.00000	.1544	.855	.743	.699	.016	.012	-25.0	.016	.012	L
51833	2228	60414	.17314	.1630	.874	.760	.715	.142	.103	-27.5	.142	.103	L
51869	220655	849344	.84807	.3022	.962	.837	.788	.241	.190	-21.2	.241	.190	
51889	1455	13942	.00000	.1530	.856	.744	.700	.027	.020	-25.9	.027	.020	L
51941	1762438	8445321	1.35482	.7318	1.263	1.098	1.033	.044	.045	2.3	.044	.045	
52469	2058347	12058301	1.33857	.7925	1.271	1.105	1.040	.096	.100	4.2	.096	.100	
55647	733277	3183484	.76890	.5324	.882	.767	.722	.110	.080	-27.3	.110	.080	L
55802	37984	231433	.58448	.1977	.926	.805	.758	.017	.013	-23.5	.017	.013	
56040	1231	9330	.04212	.1520	.864	.751	.707	.078	.057	-26.9	.078	.057	L
57257	27871	129560	4.26843	.1774	1.589	1.382	1.301	.040	.050	25.0	.040	.050	U
57410	40506	199087	.00000	.1913	.817	.710	.668	.260	.188	-27.7	.260	.188	L
58503	29445	127839	2.80458	.1770	1.328	1.155	1.087	.071	.077	8.5	.071	.077	
58627	4699	25190	.00000	.1555	.854	.743	.699	.030	.022	-26.7	.030	.022	L
59257	1273	5975	.00000	.1513	.858	.746	.702	.028	.021	-25.0	.028	.021	L
59923	8696	127756	.00000	.1770	.832	.723	.680	.009	.007	-22.2	.009	.007	L

X-TILDE: 1.197 X-TILDE (MONOLINE): 1.150 PI-TILDE: .0073907  
 TAU SQUARED: .06349 SIGMA SQUARED: 247194.86094

L - CAPPED DOWN  
 U - CAPPED UP  
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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 \* .998 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
15733	27049	189919	.00772	.0473	.902	.920	.845	.052	.044	-15.4	.052	.044
51001	112	29766	.00000	.0295	.918	.937	.860	.620	.530	-14.5	.620	.530
51116	605955	3222726	1.11911	.2931	.997	1.017	.934	.590	.550	-6.8	.590	.550
51240	77909	346246	.33787	.0641	.907	.926	.850	.250	.213	-14.8	.250	.213
51241	443702	2285855	1.22375	.2319	1.010	1.031	.947	.360	.340	-5.6	.360	.340
51330	223928	886060	.79059	.1177	.928	.947	.869	.490	.430	-12.2	.490	.430
51370	79668	386065	1.42074	.0683	.978	.998	.916	6.570	6.020	-8.4	6.570	6.020
51500	451339	2296676	.72398	.2327	.894	.912	.837	.149	.125	-16.1	.149	.125
51550	14576	82049	.05876	.0354	.915	.934	.858	.480	.410	-14.6	.480	.410
51551	9386	38006	2.62080	.0304	.997	1.017	.934	1.140	1.060	-7.0	1.140	1.060
51552	2185	12886	4.46034	.0276	1.043	1.064	.977	.173	.169	-2.3	.173	.169
51600	206412	934931	.20286	.1223	.855	.872	.801	.290	.232	-20.0	.290	.232
51734	10027	122030	.06754	.0398	.911	.930	.854	.420	.360	-14.3	.420	.360
51741	185377	826332	.91248	.1121	.942	.961	.882	.320	.280	-12.5	.320	.280
51777	162746	837668	.75708	.1132	.925	.944	.867	.097	.084	-13.4	.097	.084
51808	158657	738975	1.57347	.1037	1.011	1.032	.948	.800	.760	-5.0	.800	.760
51809	27763	112236	.00000	.0387	.909	.928	.852	.216	.184	-14.8	.216	.184
51877	98215	599954	.78483	.0901	.931	.950	.872	.300	.260	-13.3	.300	.260
51896	992041	4867817	.74708	.3799	.870	.888	.815	.028	.023	-17.9	.028	.023
51900	14186	88030	.72212	.0360	.938	.957	.879	.120	.105	-12.5	.120	.105
51909	371	1644	.00000	.0263	.921	.940	.863	.076	.066	-13.2	.076	.066
51926	370504	1867546	1.06851	.2010	.971	.991	.910	.054	.049	-9.3	.054	.049
51927	502460	2049477	.52516	.2147	.856	.873	.802	.157	.126	-19.7	.157	.126
51934	273201	912055	.01536	.1201	.834	.851	.781	.228	.178	-21.9	.228	.178
51956	2136644	9888094	.94535	.5489	.946	.965	.886	.340	.300	-11.8	.340	.300
51957	1435573	6451255	1.26743	.4454	1.089	1.111	1.020	.410	.420	2.4	.410	.420
51960	8762	48796	.00000	.0316	.916	.935	.858	.490	.420	-14.3	.490	.420
51982	18206	85066	.00000	.0357	.912	.931	.855	.116	.099	-14.7	.116	.099
51986	88768	449109	.08785	.0748	.882	.900	.826	.155	.128	-17.4	.155	.128
51999	188800	882991	.70910	.1174	.918	.937	.860	.630	.540	-14.3	.630	.540
52075	78004	290137	.16423	.0581	.901	.919	.844	.340	.290	-14.7	.340	.290
52134	2614995	12199671	1.12330	.5992	1.052	1.073	.985	.760	.750	-1.3	.760	.750
52315	536577	2244355	1.14768	.2289	.992	1.012	.929	.290	.270	-6.9	.290	.270
52505	65776	374260	1.10771	.0670	.957	.977	.897	.250	.224	-10.4	.250	.224
52547	270284	1294686	1.34296	.1544	1.007	1.028	.944	.099	.093	-6.1	.099	.093
52911	1687147	6128394	.93223	.4332	.940	.959	.881	.770	.680	-11.7	.770	.680
52967	27857	159701	.49045	.0440	.926	.945	.868	.085	.074	-12.9	.085	.074

X-TILDE: 1.000 X-TILDE (MONOLINE): .980 PI-TILDE: .0016768  
 TAU SQUARED: .03000 SIGMA SQUARED: 255944.83267

L - CAPPED DOWN  
 U - CAPPED UP  
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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 \* .998 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
53121	47284	444058	.07715	.0743	.881	.899	.825	.650	.540	-16.9	.650	.540
53333	121511	433163	1.87578	.0731	1.014	1.035	.950	.250	.238	-4.8	.250	.238
53631	481	1880	.00000	.0263	.921	.940	.863	.029	.025	-13.8	.029	.025
53632	1829	8837	.00000	.0271	.920	.939	.862	.046	.040	-13.0	.046	.040
53732	2257557	10448562	.90311	.5622	.922	.941	.864	.700	.600	-14.3	.700	.600
53733	4729147	20119397	.94585	.7100	.946	.965	.886	.290	.260	-10.3	.290	.260
54077	670360	3243171	1.81876	.2943	1.203	1.228	1.128	.350	.390	11.4	.350	.390
55010	97939	756919	1.19814	.1055	.973	.993	.912	1.370	1.250	-8.8	1.370	1.250
55011	349230	2176753	.92597	.2241	.942	.961	.882	1.290	1.140	-11.6	1.290	1.140
55012	45144	166233	1.71449	.0447	.980	1.000	.918	1.440	1.320	-8.3	1.440	1.320
55013	360739	1724107	.98379	.1898	.953	.972	.892	1.180	1.050	-11.0	1.180	1.050
55214	1531	6633	.00000	.0268	.921	.940	.863	.119	.103	-13.4	.119	.103
55715	63454	204041	.01736	.0488	.901	.919	.844	.320	.270	-15.6	.320	.270
55716	52695	174256	2.97540	.0456	1.039	1.060	.973	.610	.590	-3.3	.610	.590
56202	522403	2227283	.49488	.2277	.843	.860	.790	.159	.126	-20.8	.159	.126
56390	233506	857290	2.01348	.1150	1.069	1.091	1.002	.620	.620	0.0	.620	.620
56391	1258966	5429143	.85484	.4048	.909	.928	.852	.420	.360	-14.3	.420	.360
56427	19209	129948	.00000	.0407	.908	.927	.851	.172	.146	-15.1	.172	.146
56690	1240	20800	.00000	.0285	.919	.938	.861	.490	.420	-14.3	.490	.420
56699	231959	844387	.37147	.1138	.881	.899	.825	.062	.051	-17.7	.062	.051
56916	870894	3671963	.50155	.3191	.804	.820	.753	.260	.196	-24.6	.260	.196
57090	160937	522113	.69352	.0823	.925	.944	.867	.820	.710	-13.4	.820	.710
57401	8703	42374	.00000	.0309	.917	.936	.859	.131	.113	-13.7	.131	.113
57403	1175	4877	.00000	.0266	.921	.940	.863	.048	.041	-14.6	.048	.041
57572	97625	541952	1.14274	.0843	.963	.983	.903	.118	.107	-9.3	.118	.107
57600	67579	259633	.00000	.0549	.894	.912	.837	.047	.039	-17.0	.047	.039
57611	87353	438588	.32675	.0737	.900	.918	.843	.089	.075	-15.7	.089	.075
57690	424399	2075748	.42068	.2167	.832	.849	.780	.820	.640	-22.0	.820	.640
57716	393623	1940465	.62120	.2066	.879	.897	.824	.129	.106	-17.8	.129	.106
57725	950888	3789596	1.32248	.3256	1.069	1.091	1.002	.094	.094	0.0	.094	.094
57726	52772	354931	.69602	.0650	.930	.949	.871	.022	.019	-13.6	.022	.019
57810	4490	25486	.00000	.0290	.919	.938	.861	.146	.126	-13.7	.146	.126
57871	47859	243340	1.54026	.0531	.978	.998	.916	.139	.127	-8.6	.139	.127
57998	31661	163805	.00000	.0444	.904	.922	.847	.079	.067	-15.2	.079	.067
57999	8297	47221	.26770	.0314	.925	.944	.867	.093	.081	-12.9	.093	.081
58095	1683731	6993282	1.12132	.4648	1.027	1.048	.962	2.030	1.950	-3.9	2.030	1.950
58096	1611740	5762257	1.04823	.4187	.989	1.009	.926	1.150	1.060	-7.8	1.150	1.060

X-TILDE: 1.000 X-TILDE (MONOLINE): .980 PI-TILDE: .0016768  
 TAU SQUARED: .03000 SIGMA SQUARED: 255944.83267

L - CAPPED DOWN  
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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 \* .998 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
58301	65797	256041	2.40637	.0545	1.026	1.047	.961	.090	.086	-4.4	.090	.086
58302	82119	320092	.26290	.0613	.904	.922	.847	.075	.064	-14.7	.075	.064
58397	1409992	6088201	1.16722	.4317	1.042	1.063	.976	.990	.970	-2.0	.990	.970
58575	15932	126621	.07585	.0403	.911	.930	.854	.167	.143	-14.4	.167	.143
58663	1172367	5871890	1.46717	.4231	1.167	1.191	1.094	1.710	1.870	9.4	1.710	1.870
58802	60984	267867	.63835	.0557	.929	.948	.870	.570	.500	-12.3	.570	.500
58837	7735	53021	.11612	.0321	.919	.938	.861	.153	.132	-13.7	.153	.132
58840	4558	10518	.00000	.0273	.920	.939	.862	.149	.128	-14.1	.149	.128
58873	259632	1215611	1.06025	.1475	.963	.983	.903	.038	.034	-10.5	.038	.034
58904	20441	64515	.00000	.0334	.914	.933	.857	.177	.152	-14.1	.177	.152
58922	1401209	6331794	1.36625	.4410	1.131	1.154	1.060	.227	.241	6.2	.227	.241
59005	368329	1801857	.42586	.1959	.844	.861	.791	.137	.108	-21.2	.137	.108
59188	201	1026	.00000	.0262	.921	.940	.863	.075	.065	-13.3	.075	.065
59189	3337	26363	.00000	.0291	.918	.937	.860	.410	.350	-14.6	.410	.350
59223	149087	973076	.84616	.1258	.933	.952	.874	.099	.087	-12.1	.099	.087
59378	0	128	.00000	.0261	.921	.940	.863	.203	.175	-13.8	.203	.175
59481	98914	454197	.23948	.0753	.893	.911	.836	.121	.101	-16.5	.121	.101
59701	13913	62045	1.58412	.0331	.967	.987	.906	.250	.227	-9.2	.250	.227
59713	401828	1807222	1.13841	.1963	.984	1.004	.922	.400	.370	-7.5	.400	.370
59722	78446	382234	.87255	.0678	.941	.960	.881	.041	.036	-12.2	.041	.036
59723	41181	260023	.57405	.0549	.926	.945	.868	.051	.044	-13.7	.051	.044
59726	146044	852894	1.39103	.1146	.997	1.017	.934	.028	.026	-7.1	.028	.026
59738	27408	123616	.00000	.0400	.908	.927	.851	.090	.077	-14.4	.090	.077
59773	0	1044	.00000	.0262	.921	.940	.863	.037	.032	-13.5	.037	.032
59774	0	156	.00000	.0261	.921	.940	.863	.203	.175	-13.8	.203	.175
59775	0	0	.00000	.0000	.000	.000	.000	.230	.211	-8.3	.230	.211
59798	1049902	3757841	1.19999	.3239	1.028	1.049	.963	.550	.530	-3.6	.550	.530
59886	33311	191841	.00000	.0475	.901	.919	.844	.155	.131	-15.5	.155	.131
59889	27447	132205	.08057	.0409	.911	.930	.854	.198	.169	-14.6	.198	.169
59914	933219	4458495	1.04790	.3604	.983	1.003	.921	.760	.700	-7.9	.760	.700
59915	268058	745693	1.13786	.1044	.966	.986	.905	.970	.880	-9.3	.970	.880
59917	69641	349692	3.92012	.0644	1.138	1.161	1.066	.154	.164	6.5	.154	.164
59931	239419	1025422	.83183	.1306	.931	.950	.872	.790	.690	-12.7	.790	.690
59932	82568	329574	.00000	.0623	.887	.905	.831	1.340	1.110	-17.2	1.340	1.110
59947	35356	140817	1.03518	.0419	.950	.969	.890	.440	.390	-11.4	.440	.390
59955	40435	103876	.00000	.0378	.910	.929	.853	.200	.171	-14.5	.200	.171
59970	26462	114061	.00000	.0389	.909	.928	.852	.249	.212	-14.9	.249	.212

X-TILDE: 1.000 X-TILDE (MONOLINE): .980 PI-TILDE: .0016768  
 TAU SQUARED: .03000 SIGMA SQUARED: 255944.83267

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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 \* .998 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
59975	598205	2713850	1.53298	.2611	1.099	1.121	1.029	.230	.237	3.0	.230	.237
59984	45019	182445	1.01819	.0465	.949	.968	.889	.072	.064	-11.1	.072	.064
59988	3221	23883	.00000	.0288	.919	.938	.861	.080	.069	-13.7	.080	.069
59989	20	109	.00000	.0261	.921	.940	.863	.060	.052	-13.3	.060	.052

X-TILDE: 1.000 X-TILDE (MONOLINE): .980 PI-TILDE: .0016768  
 TAU SQUARED: .03000 SIGMA SQUARED: 255944.83267

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 07

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* .996 \* .920

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)	
49239	151721	910600	.62620	.2324	.882	.914	.838	.990	.830	-16.2	.990	.830	
50010	89519	446995	.07603	.1688	.810	.839	.769	1.060	.820	-22.6	1.060	.820	
51205	3047	10319	.00000	.0986	.865	.896	.821	.135	.111	-17.8	.135	.111	
51206	8774	28449	.00000	.1017	.862	.893	.818	.750	.610	-18.7	.750	.610	
51220	104581	493261	1.50612	.1756	1.055	1.093	1.002	3.240	3.250	0.3	3.240	3.250	
51221	641597	3109012	1.21267	.4365	1.070	1.109	1.016	2.400	2.440	1.7	2.400	2.440	
51222	299070	962484	1.48776	.2389	1.086	1.125	1.031	3.280	3.380	3.0	3.280	3.380	
51224	1244454	4800901	1.09124	.5323	1.030	1.067	.978	1.220	1.190	-2.5	1.220	1.190	
51230	0	0	.00000	.0000	.000	.000	.000	.960	.880	-8.3	.960	.880	
51252	2578056	10616655	.76895	.7047	.825	.855	.783	.141	.110	-22.0	.141	.110	
51254	3359	12528	.00000	.0990	.864	.895	.820	.073	.060	-17.8	.073	.060	
51333	130284	519546	1.69520	.1795	1.092	1.132	1.037	.330	.340	3.0	.330	.340	
51958	369261	1728622	.38579	.3236	.774	.802	.735	.530	.390	-26.4	.530	.390	
51970	755383	3655867	1.21465	.4715	1.080	1.119	1.025	.247	.250	1.2	.247	.250	
52433	55323	435243	.74748	.1671	.924	.958	.878	1.660	1.460	-12.0	1.660	1.460	
52581	428783	2982085	.18555	.4278	.628	.651	.597	7.390	5.330	-27.9	7.390	5.330	L
52744	0	65977	2.53199	.1082	1.130	1.171	1.073	.117	.126	7.7	.117	.126	
53077	337424	2122678	.88923	.3602	.934	.968	.887	.280	.248	-11.4	.280	.248	
55597	0	0	.00000	.0000	.000	.000	.000	2.170	1.990	-8.3	2.170	1.990	
55918	1948	59317	.00000	.1070	.857	.888	.814	5.280	4.300	-18.6	5.280	4.300	
55919	0	21	.00000	.0968	.867	.898	.823	5.900	4.860	-17.6	5.900	4.860	
56912	787481	3682847	2.19754	.4731	1.545	1.601	1.467	.084	.105	25.0	.084	.105	U
57146	386531	2060394	.78376	.3547	.897	.930	.852	.860	.730	-15.1	.860	.730	
58737	99144	368765	1.66397	.1571	1.070	1.109	1.016	.990	1.010	2.0	.990	1.010	
59601	115886	414648	2.31973	.1640	1.183	1.226	1.123	2.720	3.050	12.1	2.720	3.050	
59660	440852	2683829	1.40110	.4060	1.139	1.180	1.081	1.110	1.200	8.1	1.110	1.200	
59724	60517	191109	.02404	.1291	.839	.869	.796	.039	.031	-20.5	.039	.031	
59725	630168	2863076	.88296	.4193	.927	.961	.881	.117	.103	-12.0	.117	.103	
59750	11443	55748	.92550	.1064	.956	.991	.908	.310	.280	-9.7	.310	.280	
59781	712186	3582835	.70069	.4671	.839	.869	.796	.110	.088	-20.0	.110	.088	
59782	614886	2806373	.56524	.4151	.796	.825	.756	.910	.690	-24.2	.910	.690	

X-TILDE: .975 X-TILDE (MONOLINE): .965 PI-TILDE: .0059290  
 TAU SQUARED: .06319 SIGMA SQUARED: 325798.37109

L - CAPPED DOWN  
 U - CAPPED UP  
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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	12/31/2014	\$86,030,352	1.000	1.136		\$97,730,480
	12/31/2015	91,018,661	1.000	1.116		101,576,826
	12/31/2016	99,418,872	1.022	1.083		110,039,392
MULTILINE	12/31/2014	\$208,200,841	1.000	1.136	0.975	\$230,603,252
	12/31/2015	219,687,252	1.000	1.115	0.977	239,317,406
	12/31/2016	227,092,203	1.022	1.085	0.980	246,779,417
TOTAL	12/31/2014					\$328,333,732
	12/31/2015					340,894,232
	12/31/2016					356,818,809

+ The derivation of the exposure development factors are shown in Section G - Calculation of Exposure Development Factors.

# Aggregate loss costs at current level have been trended from an average date of coverage to one year beyond an assumed effective date of 7/1/2018 by an exponential projection of the average annual exposure trend factor. The derivation of this exposure trend factor is shown in Section G - Average Annual Exposure Trends.

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

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

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

			\$100,000 BASIC LIMIT LOSSES 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	12/31/2014	22,069,943		1.080		1.085		1.131		1.000		29,240,564	
		12/31/2015	15,202,025		1.423		1.085		1.104		1.000		25,907,009	
		12/31/2016	10,080,922		2.065		1.085		1.077		1.000		24,328,001	
BI	ALAE	12/31/2014	20,094,808		1.000		1.085		1.131		1.000		24,659,042	
		12/31/2015	18,522,294		1.000		1.085		1.104		1.000		22,186,745	
		12/31/2016	16,461,817		1.000		1.085		1.077		1.000		19,236,374	
PD	B/L INDEMNITY	12/31/2014	62,856,068		1.217		1.085		1.217		1.000		101,029,988	
		12/31/2015	60,323,196		1.289		1.085		1.170		1.000		98,743,796	
		12/31/2016	48,449,381		1.451		1.085		1.125		1.000		85,820,255	
PD	ALAE	12/31/2014	72,546,527		1.000		1.085		1.217		1.000		95,793,699	
		12/31/2015	74,641,881		1.000		1.085		1.170		1.000		94,754,136	
		12/31/2016	65,166,753		1.000		1.085		1.125		1.000		79,544,168	
TOTAL FULL COVERAGE		12/31/2014											250,723,293	
		12/31/2015											241,591,685	
		12/31/2016											208,928,798	

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

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

			\$100,000						\$100,000
		ACCIDENT	BASIC	BASIC LIMIT	UNALLOCATED		SEVERITY	FREQUENCY	BASIC LIMIT
		YEAR	LIMIT	DEVELOPMENT	LOSS ADJ.				DEVELOPED &
		ENDING	LOSSES	X FACTOR	X FACTOR	X TREND	X TREND	=	TRENDED LOSS
REPORT TYPE	LOSS DESCRIPTION								AND LAE
BI	B/L INDEMNITY	12/31/2014	4,302,330	1.120	1.085	1.131	1.000		5,910,624
		12/31/2015	2,423,222	1.522	1.085	1.104	1.000		4,417,128
		12/31/2016	1,758,871	2.713	1.085	1.077	1.000		5,576,550
BI	ALAE	12/31/2014	5,327,991	1.000	1.085	1.131	1.000		6,538,164
		12/31/2015	3,279,671	1.000	1.085	1.104	1.000		3,928,521
		12/31/2016	4,264,661	1.000	1.085	1.077	1.000		4,983,448
PD	B/L INDEMNITY	12/31/2014	16,348,563	1.469	1.085	1.217	1.000		31,709,565
		12/31/2015	19,733,502	1.608	1.085	1.170	1.000		40,274,585
		12/31/2016	16,104,737	1.923	1.085	1.125	1.000		37,797,640
PD	ALAE	12/31/2014	19,262,792	1.000	1.085	1.217	1.000		25,435,457
		12/31/2015	28,417,281	1.000	1.085	1.170	1.000		36,074,317
		12/31/2016	27,770,443	1.000	1.085	1.125	1.000		33,897,297
TOTAL									
DED COVERAGE		12/31/2014							69,593,811
		12/31/2015							84,694,551
		12/31/2016							82,254,936
TOTAL									
OCCURRENCE		12/31/2014							320,317,104
		12/31/2015							326,286,236
		12/31/2016							291,183,734

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

# The indemnity development factors shown are weighted averages over all states and all Local Products/Completed Operations class groups.

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	1.227
35	Not Applicable	--
36	Service Policy	1.500
37	Industrial/Processing Policy	0.826
38	Contractors Policy	0.919

(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	1.023	1.023	0.8966	1.023	6,000,000
27 to 39 Months	1.000	1.000	0.7609	1.000	15,000,000
Accident Year Ending	Exposure Development From				
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
12/31/2014			1.000		1.000
12/31/2015		1.000	1.000		1.000
12/31/2016	1.023	1.000	1.000		1.023

(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>
12/31/2009	14,364,574	14,018,195	13,998,762	13,998,762	13,998,663	13,998,663	13,998,663	13,998,663
12/31/2010	12,260,902	12,038,263	12,033,373	12,033,236	12,033,236	12,033,236	12,033,236	
12/31/2011	12,349,186	12,501,970	12,501,875	12,500,628	12,500,628	12,500,628		
12/31/2012	13,379,092	13,500,011	13,507,354	13,506,987	13,506,789			
12/31/2013	15,494,349	15,796,164	15,766,775	15,762,441				
12/31/2014	17,750,022	18,430,474	18,434,903					
12/31/2015	18,769,616	19,954,586						
12/31/2016	20,563,265							

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>
12/31/2009	0.976	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2010	0.982	1.000	1.000	1.000	1.000	1.000	
12/31/2011	1.012	1.000	1.000	1.000	1.000		
12/31/2012	1.009	1.001	1.000	1.000			
12/31/2013	1.019	0.998	1.000				
12/31/2014	1.038	1.000					
12/31/2015	1.063						
12/31/2016							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.023	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>
12/31/2009	459,355,022	448,901,100	448,256,165	448,255,900	448,361,832	448,355,142	448,349,165	448,349,165
12/31/2010	432,044,757	432,440,517	432,295,436	432,295,523	432,277,494	432,264,611	432,266,788	
12/31/2011	437,856,239	446,495,506	446,246,631	446,254,931	446,203,429	446,216,064		
12/31/2012	472,856,867	483,289,074	483,278,313	483,175,362	483,195,360			
12/31/2013	531,625,042	543,940,239	543,685,470	543,580,522				
12/31/2014	589,663,243	605,030,130	604,691,306					
12/31/2015	621,802,372	636,931,772						
12/31/2016	642,234,264							

LINK RATIOS

Accident Year Ending	<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>
12/31/2009	0.977	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2010	1.001	1.000	1.000	1.000	1.000	1.000	
12/31/2011	1.020	0.999	1.000	1.000	1.000		
12/31/2012	1.022	1.000	1.000	1.000			
12/31/2013	1.023	1.000	1.000				
12/31/2014	1.026	0.999					
12/31/2015	1.024						
12/31/2016							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.023	1.000



LOCAL PRODUCTS/COMPLETED OPERATIONS LOSS DEVELOPMENT DATA  
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LOCAL PRODUCTS

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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 (K <sub>i</sub> )
15 to 27 Months	1.797	1.315	0.5564	1.529	400,000
27 to 39 Months	1.387	1.085	0.5174	1.231	410,000
39 to 51 Months	1.077	0.986	0.3751	1.043	430,000
51 to 63 Months	1.018	1.032	0.3131	1.022	450,000
63 to 75 Months	1.005	0.950	0.5442	0.975	480,000
75 to 87 Months	0.986	0.962	0.5427	0.973	510,000
87 to 99 Months	0.999	0.986	0.5562	0.992	540,000
99 to 111 Months	0.997	1.040	0.5837	1.022	560,000
111 to 123 Months	1.000	1.003	0.6648	1.002	590,000
123 to 135 Months	1.002	1.009	0.7049	1.007	620,000
135 to 147 Months	1.000	0.998	0.6119	0.999	650,000
147 to 159 Months	1.003	1.024	0.5370	1.014	690,000
159 to 171 Months	1.002	1.000	0.3425	1.001	730,000
171 to 183 Months	1.001	1.000	0.3650	1.001	770,000
183 to 195 Months	1.000	1.000	0.3184	1.000	810,000
195 to 207 Months	1.000	1.000	0.3293	1.000	860,000
207 to 219 Months	1.000	1.000	0.3359	1.000	900,000
219 to 231 Months	1.000	1.000	0.2049	1.000	950,000
231 to 243 Months	1.000	1.000	0.1219	1.000	1,000,000
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							
12/31/2014			1.043	1.022	0.975	0.973	0.992	1.022	1.002	1.007	0.999
12/31/2015		1.231	1.043	1.022	0.975	0.973	0.992	1.022	1.002	1.007	0.999
12/31/2016	1.529	1.231	1.043	1.022	0.975	0.973	0.992	1.022	1.002	1.007	0.999

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
12/31/2014	1.014	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.050
12/31/2015	1.014	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.293
12/31/2016	1.014	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.976

(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	0.0638
27 to 39 Months	0.1181
39 to 51 Months	0.1111
51 to 63 Months	0.0964
63 to 75 Months	0.0475
75 to 87 Months	0.0223
87 to 99 Months	0.0119
99 to 111 Months	0.0104
111 to 123 Months	0.0028
123 to 135 Months	0.0044
135 to 147 Months	0.0048
147 to 159 Months	0.0027
159 to 171 Months	0.0013
171 to Ultimate	A multistate link ratio factor of 1.009 has been used.

Cumulative Incremental Factors							
<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>
	0.498	0.434	0.316	0.205	0.108	0.061	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>
	0.026	0.016	0.013	0.009	0.004	0.001	0.000

A.Y.E	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2014	284,479	716,457	0.316	226,402	510,881	1.009	515,477
12/31/2015	2,260	438,398	0.434	190,265	192,525	1.009	194,256
12/31/2016	11,904	10,952	0.498	5,454	17,358	1.009	17,512

(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	1.143	1.149	0.6343	1.147	1,500,000
27 to 39 Months	1.053	1.076	0.6853	1.069	1,600,000
39 to 51 Months	1.034	1.098	0.6665	1.077	1,700,000
51 to 63 Months	1.034	1.129	0.7033	1.101	1,800,000
63 to 75 Months	1.024	1.051	0.7189	1.043	1,800,000
75 to 87 Months	1.019	1.053	0.7502	1.045	1,900,000
87 to 99 Months	1.025	1.042	0.7592	1.038	2,100,000
99 to 111 Months	1.032	1.049	0.8221	1.046	2,100,000
111 to 123 Months	1.011	1.030	0.8331	1.027	2,300,000
123 to 135 Months	1.021	1.039	0.8358	1.036	2,400,000
135 to 147 Months	1.005	0.967	0.8257	0.974	2,500,000
147 to 159 Months	1.002	0.997	0.7721	0.998	2,700,000
159 to 171 Months	1.001	1.000	0.7281	1.000	2,800,000
171 to 183 Months	1.002	1.000	0.6540	1.001	3,000,000
183 to 195 Months	1.000	1.001	0.6200	1.001	3,200,000
195 to 207 Months	0.999	1.000	0.5963	1.000	3,300,000
207 to 219 Months	0.999	1.000	0.5635	1.000	3,500,000
219 to 231 Months	0.999	1.000	0.4426	0.999	3,800,000
231 to 243 Months	0.999	1.000	0.2945	0.999	3,900,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
12/31/2014			1.077	1.101	1.043	1.045	1.038	1.046	1.027	1.036	0.974	
12/31/2015		1.069	1.077	1.101	1.043	1.045	1.038	1.046	1.027	1.036	0.974	
12/31/2016	1.147	1.069	1.077	1.101	1.043	1.045	1.038	1.046	1.027	1.036	0.974	
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2014	0.998	1.000	1.001	1.001	1.000	1.000	0.999	0.999	0.996			1.445
12/31/2015	0.998	1.000	1.001	1.001	1.000	1.000	0.999	0.999	0.996			1.545
12/31/2016	0.998	1.000	1.001	1.001	1.000	1.000	0.999	0.999	0.996			1.772

(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	0.0714
27 to 39 Months	0.0808
39 to 51 Months	0.0943
51 to 63 Months	0.0716
63 to 75 Months	0.0532
75 to 87 Months	0.0424
87 to 99 Months	0.0455
99 to 111 Months	0.0551
111 to 123 Months	0.0414
123 to 135 Months	0.0311
135 to 147 Months	0.0209
147 to 159 Months	0.0113
159 to 171 Months	0.0040
171 to Ultimate	A multistate link ratio factor of 1.022 has been used.

Cumulative Incremental Factors							
<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>
	0.623	0.552	0.471	0.377	0.305	0.252	0.209
<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>
	0.164	0.109	0.067	0.036	0.015	0.004	0.000

A.Y.E	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2014	478,138	1,904,625	0.471	897,078	1,375,216	1.022	1,405,461
12/31/2015	214,328	2,158,279	0.552	1,191,370	1,405,698	1.022	1,436,618
12/31/2016	111,713	1,341,670	0.623	835,860	947,573	1.022	968,415

(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
12/31/1997	9,926	71,187	29,937	54,937	129,937	129,937	131,243	132,235	134,725	138,778	138,778
12/31/1998	41,035	105,110	43,110	75,110	61,210	106,210	106,210	106,210	106,210	106,210	106,110
12/31/1999	43,276	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	253,546
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	25,753	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	70,698	128,609	111,007	183,646	190,245	194,945	161,146	158,646	158,646	163,646	
12/31/2008	42,387	93,407	95,908	129,540	135,598	110,205	141,317	119,317	124,317		
12/31/2009	126,250	302,751	311,951	368,872	349,420	353,370	374,371	364,419			
12/31/2010	16,198	4,600	100,101	103,600	129,917	141,619	111,119				
12/31/2011	97,847	65,216	95,841	89,341	93,688	71,688					
12/31/2012	22,399	45,600	17,296	12,196	12,201						
12/31/2013	161,629	148,185	144,943	143,633							
12/31/2014	247,696	245,744	198,543								
12/31/2015	92,443	218,149									
12/31/2016	3,507										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	138,778	138,778	138,870	138,778	138,778	138,778	138,778	138,778	138,778
12/31/1998	106,110	106,110	106,110	106,110	106,110	106,110	106,110	106,110	
12/31/1999	240,353	210,354	210,354	210,354	210,354	210,353	210,353		
12/31/2000	105,872	113,372	113,372	105,872	105,872	105,872			
12/31/2001	62,236	62,236	62,236	62,236	62,236				
12/31/2002	252,046	252,046	267,046	267,046					
12/31/2003	66,037	66,037	66,037						
12/31/2004	482,166	530,166							
12/31/2005	471,743								

## 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
12/31/1997	7.172	0.421	1.835	2.365	1.000	1.010	1.008	1.019	1.030	1.000	1.000
12/31/1998	2.561	0.410	1.742	0.815	1.735	1.000	1.000	1.000	1.000	0.999	1.000
12/31/1999	1.310	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	1.181	0.994
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	4.165	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	
12/31/2007	1.819	0.863	1.654	1.036	1.025	0.827	0.984	1.000	1.032		
12/31/2008	2.204	1.027	1.351	1.047	0.813	1.282	0.844	1.042			
12/31/2009	2.398	1.030	1.182	0.947	1.011	1.059	0.973				
12/31/2010	0.284	21.761	1.035	1.254	1.090	0.785					
12/31/2011	0.667	1.470	0.932	1.049	0.765						
12/31/2012	2.036	0.379	0.705	1.000							
12/31/2013	0.917	0.978	0.991								
12/31/2014	0.992	0.808									
12/31/2015	2.360										

3 Yr Mean 1.423 0.722 0.876 1.101 0.955 1.042 0.934 1.040 1.003 1.008 0.997

Best 3/5 1.315 1.085 0.986 1.032 0.950 0.962 0.986 1.040 1.003 1.009 0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.000	1.001	0.999	1.000	1.000	1.000	1.000	1.000
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/1999	0.875	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2000	1.071	1.000	0.934	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					
12/31/2003	1.000	1.000						
12/31/2004	1.100							

3 Yr Mean 1.033 1.020 0.978 1.000 1.000 @ 1.000 @ 1.000 @ 1.000 @

Best 3/5 1.024 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
12/31/2012					0.950	0.962	0.986	1.040	1.003	1.009	0.998
12/31/2013				1.032	0.950	0.962	0.986	1.040	1.003	1.009	0.998
12/31/2014			0.986	1.032	0.950	0.962	0.986	1.040	1.003	1.009	0.998
12/31/2015		1.085	0.986	1.032	0.950	0.962	0.986	1.040	1.003	1.009	0.998
12/31/2016	1.315	1.085	0.986	1.032	0.950	0.962	0.986	1.040	1.003	1.009	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	1.024	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.969
12/31/2013	1.024	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
12/31/2014	1.024	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.986
12/31/2015	1.024	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.070
12/31/2016	1.024	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.407

\* 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>
12/31/1997	3,526	8,071	20,825	32,075	28,434	28,434	28,434	40,957	71,917	74,201	74,868
12/31/1998	5,884	34,845	6,830	27,737	32,871	32,871	31,116	31,116	31,116	31,116	31,116
12/31/1999	234	21,651	14,662	40,010	41,495	41,495	41,495	61,995	64,739	64,994	89,519
12/31/2000	1,314	18,745	23,899	30,882	34,420	46,371	52,709	52,823	64,294	94,676	94,676
12/31/2001	16,412	29,117	39,540	39,376	42,692	50,621	50,927	51,080	51,080	51,080	51,080
12/31/2002	8,799	2,861	2,265	2,265	14,482	44,769	21,932	28,009	121,264	151,391	148,638
12/31/2003	0	0	6,487	58,874	121,061	124,143	167,564	168,144	194,254	214,246	214,246
12/31/2004	12,357	14,187	38,704	43,461	44,904	70,351	77,554	87,808	128,256	128,256	128,256
12/31/2005	353	17,890	26,664	69,132	95,987	187,924	334,210	432,667	437,772	443,517	456,467
12/31/2006	93,775	118,979	154,397	174,995	180,285	181,107	181,107	181,107	271,107	234,926	235,012
12/31/2007	12,153	53,507	68,602	53,251	127,825	136,727	142,922	142,922	142,922	147,922	
12/31/2008	150	21,677	28,473	59,062	123,946	126,860	142,887	144,112	144,112		
12/31/2009	6,596	47,255	64,117	135,831	150,029	154,117	154,444	158,757			
12/31/2010	100	100	6,996	8,571	15,245	18,676	21,944				
12/31/2011	8,207	50,346	89,931	104,155	111,769	114,321					
12/31/2012	1,000	20,928	8,912	16,140	16,140						
12/31/2013	7,476	85,942	104,100	106,032							
12/31/2014	11,001	140,547	284,479								
12/31/2015	1,315	2,260									
12/31/2016	11,904										

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>
12/31/1997	74,868	74,895	75,161	77,080	79,605	79,718	81,425	81,425	81,425
12/31/1998	31,116	31,116	31,116	31,116	31,116	32,823	32,823	32,823	
12/31/1999	96,897	72,013	72,805	72,805	72,805	72,805	72,805		
12/31/2000	94,676	94,676	96,433	96,433	96,433	96,433			
12/31/2001	51,080	51,080	51,080	51,080	51,080				
12/31/2002	148,638	148,638	148,638	148,638					
12/31/2003	214,246	214,246	214,246						
12/31/2004	128,256	128,256							
12/31/2005	456,467								



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
12/31/1997	170,720	204,807	182,986	434,313	811,367	1,222,345	1,667,443	1,457,559	1,416,664	1,520,402	1,617,103
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	373,253	656,850	603,305	632,861	778,746	1,234,804	1,166,494	1,304,587	1,386,483	1,571,766	1,519,017
12/31/2000	561,975	861,716	845,925	1,069,275	1,340,474	1,424,391	1,562,349	1,832,226	2,126,451	2,072,331	1,999,258
12/31/2001	337,698	578,227	699,215	966,070	1,250,132	1,354,321	1,607,079	1,770,944	1,837,611	1,919,121	1,861,762
12/31/2002	381,597	822,686	678,831	1,027,924	1,185,017	1,670,062	1,973,637	2,294,684	2,293,003	2,240,065	2,091,488
12/31/2003	123,688	487,004	841,895	1,412,754	2,819,596	3,220,270	3,207,269	3,433,070	3,620,049	3,809,824	3,897,185
12/31/2004	329,674	621,680	957,855	1,479,680	1,710,006	2,132,650	2,620,097	3,095,673	3,302,523	3,251,390	3,541,070
12/31/2005	245,453	564,318	1,029,200	1,481,959	2,118,856	2,876,816	3,364,284	3,923,490	4,110,585	4,130,223	4,401,399
12/31/2006	1,011,539	1,756,754	2,179,762	2,495,040	3,058,321	3,909,097	4,425,403	4,646,109	4,682,288	4,834,671	4,964,840
12/31/2007	1,164,573	1,426,588	1,574,876	2,152,282	2,260,542	2,676,815	2,529,452	2,605,614	2,687,696	2,966,901	
12/31/2008	1,035,539	1,160,038	1,521,214	1,753,627	2,066,098	2,207,245	2,342,923	2,449,646	2,630,021		
12/31/2009	778,857	1,263,079	1,514,673	1,575,291	1,763,253	1,642,927	1,750,045	1,755,508			
12/31/2010	1,290,163	1,521,927	1,597,369	1,650,523	1,798,106	1,856,971	1,917,615				
12/31/2011	787,061	818,176	783,770	1,001,548	1,041,697	1,095,958					
12/31/2012	1,123,822	1,260,083	1,338,662	1,613,844	1,927,800						
12/31/2013	832,470	1,141,053	1,274,585	1,334,108							
12/31/2014	861,042	1,083,763	1,208,839								
12/31/2015	907,740	968,795									
12/31/2016	546,709										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	1,656,878	1,648,378	1,628,202	1,628,202	1,628,202	1,628,202	1,628,202	1,628,202	1,628,202
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	
12/31/1999	1,503,060	1,503,612	1,503,611	1,503,611	1,508,302	1,500,989	1,500,989		
12/31/2000	1,981,112	1,977,527	1,976,313	1,976,315	1,976,315	1,976,299			
12/31/2001	1,804,859	1,742,511	1,742,261	1,742,011	1,754,011				
12/31/2002	1,951,916	1,951,918	1,951,916	1,951,916					
12/31/2003	3,832,616	3,802,915	3,732,028						
12/31/2004	3,363,254	3,465,166							
12/31/2005	4,380,957								

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

<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1997	1.200	0.893	2.373	1.868	1.507	1.364	0.874	0.972	1.073	1.064	1.025
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	1.760	0.918	1.049	1.231	1.586	0.945	1.118	1.063	1.134	0.966	0.989
12/31/2000	1.533	0.982	1.264	1.254	1.063	1.097	1.173	1.161	0.975	0.965	0.991
12/31/2001	1.712	1.209	1.382	1.294	1.083	1.187	1.102	1.038	1.044	0.970	0.969
12/31/2002	2.156	0.825	1.514	1.153	1.409	1.182	1.163	0.999	0.977	0.934	0.933
12/31/2003	3.937	1.729	1.678	1.996	1.142	0.996	1.070	1.054	1.052	1.023	0.983
12/31/2004	1.886	1.541	1.545	1.156	1.247	1.229	1.182	1.067	0.985	1.089	0.950
12/31/2005	2.299	1.824	1.440	1.430	1.358	1.169	1.166	1.048	1.005	1.066	0.995
12/31/2006	1.737	1.241	1.145	1.226	1.278	1.132	1.050	1.008	1.033	1.027	
12/31/2007	1.225	1.104	1.367	1.050	1.184	0.945	1.030	1.032	1.104		
12/31/2008	1.120	1.311	1.153	1.178	1.068	1.061	1.046	1.074			
12/31/2009	1.622	1.199	1.040	1.119	0.932	1.065	1.003				
12/31/2010	1.180	1.050	1.033	1.089	1.033	1.033					
12/31/2011	1.040	0.958	1.278	1.040	1.052						
12/31/2012	1.121	1.062	1.206	1.195							
12/31/2013	1.371	1.117	1.047								
12/31/2014	1.259	1.115									
12/31/2015	1.067										

3 Yr Mean	1.232	1.098	1.177	1.108	1.006	1.053	1.026	1.038	1.047	1.061	0.976
Best 3/5	1.149	1.076	1.098	1.129	1.051	1.053	1.042	1.049	1.030	1.039	0.967

<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>			
12/31/1997	0.995	0.988	1.000	1.000	1.000	1.000	1.000	1.000			
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	0.998	0.999	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2001	0.965	1.000	1.000	1.007	1.001 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.000	1.000	1.000								
12/31/2003	0.992	0.981									
12/31/2004	1.030										

3 Yr Mean	1.007	0.994	1.000	1.003	0.998 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.997	1.000	1.000	1.001	1.000 *	1.000 *	1.000 *	1.000 *			

<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2012					1.051	1.053	1.042	1.049	1.030	1.039	0.967
12/31/2013				1.129	1.051	1.053	1.042	1.049	1.030	1.039	0.967
12/31/2014			1.098	1.129	1.051	1.053	1.042	1.049	1.030	1.039	0.967
12/31/2015		1.076	1.098	1.129	1.051	1.053	1.042	1.049	1.030	1.039	0.967
12/31/2016	1.149	1.076	1.098	1.129	1.051	1.053	1.042	1.049	1.030	1.039	0.967

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
12/31/2012	0.997	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.249
12/31/2013	0.997	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.411
12/31/2014	0.997	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.549
12/31/2015	0.997	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.666
12/31/2016	0.997	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.915

\* 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

	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>
12/31/1997	45,947	82,778	61,572	259,225	337,390	353,367	698,876	755,276	791,846	816,814	846,595
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	96,068	213,020	173,425	231,538	282,166	411,390	432,956	577,150	726,732	1,108,924	1,142,669
12/31/2000	130,326	263,713	288,985	448,271	494,901	669,118	905,266	1,158,981	1,381,797	1,495,115	1,566,800
12/31/2001	50,618	37,906	124,351	405,493	516,386	649,410	796,254	942,419	1,124,717	1,484,802	1,591,643
12/31/2002	74,901	246,014	181,185	343,431	564,592	995,416	1,165,733	1,294,069	1,446,025	1,486,631	1,566,520
12/31/2003	21,806	169,938	433,114	610,534	1,014,404	1,507,327	1,960,000	2,565,745	3,084,702	3,424,583	3,894,498
12/31/2004	34,582	167,533	255,658	788,675	1,089,571	1,563,193	2,033,441	2,491,159	2,976,207	3,489,480	3,692,907
12/31/2005	25,268	238,840	454,994	865,842	1,254,092	1,883,852	2,605,024	3,541,028	4,273,993	4,737,023	5,010,755
12/31/2006	67,658	351,146	579,540	1,269,250	2,005,541	3,172,028	4,184,654	4,483,214	4,730,622	4,958,101	5,120,173
12/31/2007	116,850	291,446	480,068	989,502	1,265,442	1,834,438	2,130,188	2,201,307	2,407,955	2,661,703	
12/31/2008	156,231	343,985	583,242	785,635	1,079,490	1,418,395	1,536,677	1,661,306	1,812,337		
12/31/2009	81,205	279,424	632,395	897,967	1,096,523	1,055,548	1,106,328	1,114,273			
12/31/2010	108,337	890,392	1,196,224	1,357,283	1,550,160	1,731,353	1,884,743				
12/31/2011	200,105	690,463	881,357	1,264,940	1,416,287	1,582,139					
12/31/2012	331,380	674,148	758,619	1,337,410	1,792,157						
12/31/2013	135,298	394,907	514,901	861,357							
12/31/2014	66,989	240,809	544,588								
12/31/2015	33,131	207,306									
12/31/2016	93,624										

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>
12/31/1997	876,479	851,936	848,562	835,951	835,951	838,114	846,198	850,629	854,794
12/31/1998	805,032	816,038	823,256	824,421	824,421	824,421	824,421	824,421	
12/31/1999	1,206,330	1,203,388	1,203,388	1,207,923	1,212,423	1,214,225	1,214,225		
12/31/2000	1,623,269	1,613,843	1,622,045	1,656,505	1,665,236	1,686,039			
12/31/2001	1,609,001	1,561,730	1,566,217	1,566,943	1,572,440				
12/31/2002	1,562,956	1,547,947	1,547,947	1,547,947					
12/31/2003	4,042,840	4,098,188	4,147,539						
12/31/2004	3,981,538	4,017,838							
12/31/2005	5,209,278								

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	6,241,204	10,525,449	10,841,986	11,938,374	11,748,878	12,104,010	12,350,780	12,225,225	12,461,924	13,070,275	13,249,646
12/31/1998	5,420,506	7,799,654	10,051,766	10,544,076	10,891,327	11,231,449	11,794,495	12,369,419	11,988,501	11,666,870	11,688,477
12/31/1999	5,771,569	8,056,239	10,731,282	12,587,689	12,626,800	12,957,960	12,588,556	12,448,890	12,450,443	12,449,993	12,472,787
12/31/2000	3,544,766	7,825,215	9,907,827	11,802,496	11,696,443	11,965,334	11,559,097	11,560,525	11,501,174	11,539,818	11,537,239
12/31/2001	3,429,839	7,253,437	9,584,206	10,586,096	11,061,229	11,050,516	10,965,708	10,788,086	10,683,483	10,582,030	10,603,400
12/31/2002	3,136,688	7,310,568	9,778,703	10,474,499	11,602,422	11,755,504	11,946,317	12,153,038	12,322,670	12,427,505	12,462,723
12/31/2003	3,830,463	7,075,038	10,589,947	11,235,944	11,084,558	10,881,067	10,655,769	10,611,563	10,595,095	10,631,496	10,682,506
12/31/2004	4,760,080	7,412,243	10,228,138	11,432,868	11,472,494	10,979,099	11,416,880	11,362,114	11,328,202	11,363,367	11,467,698
12/31/2005	4,584,914	7,910,640	11,284,250	12,708,602	12,514,175	12,638,455	12,948,706	12,884,194	12,801,401	12,898,337	12,858,883
12/31/2006	5,021,836	9,147,539	13,343,747	14,101,035	13,904,971	14,077,041	13,945,274	14,142,903	14,054,192	13,968,871	13,895,761
12/31/2007	4,505,784	8,880,068	11,862,598	13,149,635	13,143,049	13,138,081	13,037,337	13,177,976	13,374,884	13,160,409	
12/31/2008	4,630,223	8,545,051	12,371,265	13,017,884	12,903,315	12,893,948	13,475,968	13,207,064	13,220,966		
12/31/2009	5,545,545	9,021,867	12,689,556	12,877,517	12,854,954	13,277,720	12,782,440	12,664,003			
12/31/2010	5,613,730	10,949,093	13,365,192	14,477,280	15,389,466	15,634,381	15,235,705				
12/31/2011	5,023,175	8,440,772	12,240,525	14,390,393	14,782,142	14,342,307					
12/31/2012	4,020,949	8,041,692	13,948,512	14,286,588	14,690,167						
12/31/2013	4,940,250	10,641,177	13,165,582	14,797,114							
12/31/2014	5,774,160	9,009,963	13,269,636								
12/31/2015	5,254,378	8,997,110									
12/31/2016	3,774,433										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	13,265,859	13,355,160	13,410,485	13,447,067	13,446,597	13,446,597	13,450,858	13,446,597	13,449,597
12/31/1998	11,879,577	11,851,752	12,065,937	12,046,176	12,046,176	12,051,676	11,926,990	11,946,228	
12/31/1999	12,430,019	12,391,751	12,377,878	12,377,577	12,377,578	12,377,577	12,377,577		
12/31/2000	11,573,532	11,633,876	11,576,525	11,622,279	11,617,275	11,632,274			
12/31/2001	10,634,402	10,628,084	10,665,126	10,708,333	10,684,969				
12/31/2002	12,394,428	12,424,961	12,569,195	12,569,905					
12/31/2003	10,718,010	10,731,068	10,769,810						
12/31/2004	11,498,042	11,694,502							
12/31/2005	12,752,144								

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

A.Y.E.	<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>
12/31/1997	1.686	1.030	1.101	0.984	1.030	1.020	0.990	1.019	1.049	1.014	1.001
12/31/1998	1.439	1.289	1.049	1.033	1.031	1.050	1.049	0.969	0.973	1.002	1.016
12/31/1999	1.396	1.332	1.173	1.003	1.026	0.971	0.989	1.000	1.000	1.002	0.997
12/31/2000	2.208	1.266	1.191	0.991	1.023	0.966	1.000	0.995	1.003	1.000	1.003
12/31/2001	2.115	1.321	1.105	1.045	0.999	0.992	0.984	0.990	0.991	1.002	1.003
12/31/2002	2.331	1.338	1.071	1.108	1.013	1.016	1.017	1.014	1.009	1.003	0.995
12/31/2003	1.847	1.497	1.061	0.987	0.982	0.979	0.996	0.998	1.003	1.005	1.003
12/31/2004	1.557	1.380	1.118	1.003	0.957	1.040	0.995	0.997	1.003	1.009	1.003
12/31/2005	1.725	1.426	1.126	0.985	1.010	1.025	0.995	0.994	1.008	0.997	0.992
12/31/2006	1.822	1.459	1.057	0.986	1.012	0.991	1.014	0.994	0.994	0.995	
12/31/2007	1.971	1.336	1.108	0.999	1.000	0.992	1.011	1.015	0.984		
12/31/2008	1.845	1.448	1.052	0.991	0.999	1.045	0.980	1.001			
12/31/2009	1.627	1.407	1.015	0.998	1.033	0.963	0.991				
12/31/2010	1.950	1.221	1.083	1.063	1.016	0.975					
12/31/2011	1.680	1.450	1.176	1.027	0.970						
12/31/2012	2.000	1.735	1.024	1.028							
12/31/2013	2.154	1.237	1.124								
12/31/2014	1.560	1.473									
12/31/2015	1.712										

3 Yr Mean	1.809	1.482	1.108	1.039	1.006	0.994	0.994	1.003	0.995	1.000	0.999
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Best 3/5	1.797	1.387	1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
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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>			
12/31/1997	1.007	1.004	1.003	1.000	1.000	1.000	1.000	1.000			
12/31/1998	0.998	1.018	0.998	1.000	1.000	0.990	1.002	1.000 *			
12/31/1999	0.997	0.999	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2000	1.005	0.995	1.004	1.000	1.001	1.000 *	1.000 *	1.000 *			
12/31/2001	0.999	1.003	1.004	0.998	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.002	1.012	1.000								
12/31/2003	1.001	1.004									
12/31/2004	1.017										

3 Yr Mean	1.007	1.006	1.003	0.999	1.000 @	0.997 @	1.001 @	1.000 @			
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Best 3/5	1.003	1.002	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
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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>
12/31/2012					1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2013				1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2014			1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2015		1.387	1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2016	1.797	1.387	1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000

A.Y.E.	<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>	FACTORS
12/31/2012	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.995
12/31/2013	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.013
12/31/2014	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.091
12/31/2015	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.513
12/31/2016	1.003	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	2.719

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

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	424,050	662,940	930,526	928,815	1,036,498	1,071,691	1,096,942	1,038,165	1,037,414	1,092,415	1,194,297
12/31/1998	106,123	395,586	680,640	916,686	1,171,521	1,186,605	901,002	965,932	1,072,428	1,157,485	1,143,685
12/31/1999	404,714	874,417	1,899,163	2,237,696	2,297,649	1,809,642	1,786,359	1,845,557	1,883,682	1,920,172	1,991,256
12/31/2000	350,798	529,262	1,176,368	1,461,454	1,251,531	1,824,321	1,645,592	1,526,792	1,602,111	1,592,811	1,521,613
12/31/2001	354,125	744,154	1,044,107	1,065,722	983,082	1,063,864	1,310,140	1,408,357	1,360,107	1,347,307	1,354,107
12/31/2002	234,242	655,739	1,124,018	1,164,317	1,373,666	1,361,220	1,672,423	1,722,423	1,546,341	1,493,066	1,515,902
12/31/2003	319,688	867,685	1,366,084	1,255,628	1,211,547	1,314,289	1,316,395	1,340,895	1,420,195	1,420,197	1,443,795
12/31/2004	269,310	621,021	1,029,012	1,052,518	1,091,198	1,010,394	847,293	874,261	891,150	878,580	829,980
12/31/2005	666,837	1,045,465	1,141,746	1,111,605	1,212,958	1,069,928	1,159,474	1,160,802	1,128,902	1,262,811	1,208,236
12/31/2006	818,931	1,320,993	1,476,958	1,588,453	1,683,437	1,415,017	1,390,016	1,610,616	1,750,067	1,700,298	1,596,566
12/31/2007	324,368	1,022,453	961,110	1,100,843	1,193,090	1,306,290	1,246,602	1,214,427	1,189,453	1,188,954	
12/31/2008	316,396	864,693	913,403	1,050,595	1,063,780	1,242,728	1,336,184	1,473,931	1,486,978		
12/31/2009	586,791	1,045,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244			
12/31/2010	641,422	781,803	1,443,275	2,008,073	1,739,838	1,672,694	1,597,404				
12/31/2011	270,205	819,627	1,330,077	1,689,436	1,722,481	1,706,863					
12/31/2012	431,960	1,184,597	1,678,586	1,832,309	1,692,857						
12/31/2013	1,783,848	2,622,513	2,992,232	3,121,946							
12/31/2014	2,191,821	2,922,984	3,345,850								
12/31/2015	1,198,104	1,659,445									
12/31/2016	1,309,334										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	1,198,257	1,202,281	1,204,867	1,203,617	1,201,117	1,201,117	1,201,117	1,203,617	1,202,367
12/31/1998	1,121,445	1,121,445	1,121,445	1,108,985	1,108,985	1,121,485	1,208,985	1,208,985	
12/31/1999	1,986,257	1,921,257	1,867,257	1,867,257	1,867,260	1,867,257	1,867,257		
12/31/2000	1,538,613	1,533,111	1,503,111	1,570,611	1,565,611	1,565,611			
12/31/2001	1,307,912	1,307,915	1,355,912	1,320,911	1,320,912				
12/31/2002	1,467,700	1,579,904	1,581,334	1,581,333					
12/31/2003	1,446,695	1,424,195	1,423,696						
12/31/2004	828,318	828,219							
12/31/2005	1,248,237								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.563	1.404	0.998	1.116	1.034	1.024	0.946	0.999	1.053	1.093	1.003
12/31/1998	3.728	1.721	1.347	1.278	1.013	0.759	1.072	1.110	1.079	0.988	0.981
12/31/1999	2.161	2.172	1.178	1.027	0.788	0.987	1.033	1.021	1.019	1.037	0.997
12/31/2000	1.509	2.223	1.242	0.856	1.458	0.902	0.928	1.049	0.994	0.955	1.011
12/31/2001	2.101	1.403	1.021	0.922	1.082	1.231	1.075	0.966	0.991	1.005	0.966
12/31/2002	2.799	1.714	1.036	1.180	0.991	1.229	1.030	0.898	0.966	1.015	0.968
12/31/2003	2.714	1.574	0.919	0.965	1.085	1.002	1.019	1.059	1.000	1.017	1.002
12/31/2004	2.306	1.657	1.023	1.037	0.926	0.839	1.032	1.019	0.986	0.945	0.998
12/31/2005	1.568	1.092	0.974	1.091	0.882	1.084	1.001	0.973	1.119	0.957	1.033
12/31/2006	1.613	1.118	1.075	1.060	0.841	0.982	1.159	1.087	0.972	0.939	
12/31/2007	3.152	0.940	1.145	1.084	1.095	0.954	0.974	0.979	1.000		
12/31/2008	2.733	1.056	1.150	1.013	1.168	1.075	1.103	1.009			
12/31/2009	1.782	1.023	1.182	0.858	1.064	0.952	0.999				
12/31/2010	1.219	1.846	1.391	0.866	0.961	0.955					
12/31/2011	3.033	1.623	1.270	1.020	0.991						
12/31/2012	2.742	1.417	1.092	0.924							
12/31/2013	1.470	1.141	1.043								
12/31/2014	1.334	1.145									
12/31/2015	1.385										

3 Yr Mean      1.396      1.234      1.135      0.937      1.005      0.994      1.025      1.025      1.030      0.947      1.011

Best 3/5      1.866      1.395      1.181      0.934      1.050      0.964      1.034      1.002      0.995      0.972      0.989

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.003	1.002	0.999	0.998	1.000	1.000	1.002	0.999			
12/31/1998	1.000	1.000	0.989	1.000	1.011	1.078	1.000	1.000 *			
12/31/1999	0.967	0.972	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2000	0.996	0.980	1.045	0.997	1.000	1.000 *	1.000 *	1.000 *			
12/31/2001	1.000	1.037	0.974	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.076	1.001	1.000								
12/31/2003	0.984	1.000									
12/31/2004	1.000										

3 Yr Mean      1.020      1.013      1.006      0.999      1.004 @      1.026 @      1.001 @      0.999 @

Best 3/5      0.999      0.994      0.996      0.999      1.000 \*      1.000 \*      1.000 \*      1.000 \*

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.050	0.964	1.034	1.002	0.995	0.972	0.989
12/31/2013				0.934	1.050	0.964	1.034	1.002	0.995	0.972	0.989
12/31/2014			1.181	0.934	1.050	0.964	1.034	1.002	0.995	0.972	0.989
12/31/2015		1.395	1.181	0.934	1.050	0.964	1.034	1.002	0.995	0.972	0.989
12/31/2016	1.866	1.395	1.181	0.934	1.050	0.964	1.034	1.002	0.995	0.972	0.989

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	0.991
12/31/2013	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	0.926
12/31/2014	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	1.093
12/31/2015	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	1.525
12/31/2016	0.999	0.994	0.996	0.999	1.000	1.000	1.000	1.000	1.000*	2.846

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

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

Allocated Expenses as of:											
A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	1,442,000	2,583,229	4,228,845	5,389,476	6,313,897	6,492,864	6,720,058	6,801,944	7,064,154	7,083,648	7,046,972
12/31/1998	1,013,565	2,354,396	4,139,916	5,199,408	5,830,146	12,517,665	10,644,003	11,426,524	11,588,545	11,522,853	11,570,040
12/31/1999	944,823	1,752,109	3,377,640	5,620,541	6,560,733	7,486,038	7,464,426	8,084,685	8,702,379	8,826,331	9,108,934
12/31/2000	829,813	2,831,308	4,079,734	6,365,302	7,215,162	7,816,441	7,873,827	7,933,795	8,108,686	8,564,615	8,576,444
12/31/2001	655,224	2,160,990	4,069,614	6,293,191	7,694,809	8,484,348	9,162,954	9,170,478	9,238,741	9,248,968	9,221,214
12/31/2002	733,182	2,925,812	4,775,870	8,148,014	9,064,076	10,510,229	10,851,019	11,227,948	11,482,570	11,500,317	11,583,923
12/31/2003	1,075,401	2,324,829	4,838,376	7,757,037	8,656,737	9,330,442	9,999,444	9,995,506	9,866,871	9,905,892	9,958,040
12/31/2004	541,941	1,869,791	4,630,796	7,458,736	9,499,474	10,706,103	11,922,272	11,709,305	11,866,994	11,901,633	12,251,548
12/31/2005	753,858	1,417,138	3,986,059	6,847,374	8,283,557	9,061,123	9,641,917	9,942,435	10,291,871	10,588,908	10,759,447
12/31/2006	974,077	3,859,469	6,843,965	8,814,935	10,115,103	11,327,293	11,892,747	12,218,917	12,493,166	12,508,141	12,487,456
12/31/2007	827,609	2,576,814	5,706,973	9,507,220	10,707,706	11,321,027	11,605,389	11,889,700	12,071,080	12,183,791	
12/31/2008	859,962	2,308,217	5,084,389	7,769,762	10,020,313	11,327,432	12,090,698	12,639,751	13,330,997		
12/31/2009	555,362	2,188,627	4,805,457	7,329,951	9,841,796	11,055,740	11,419,828	11,728,632			
12/31/2010	849,885	3,025,533	6,029,660	9,095,518	11,867,691	13,183,562	14,328,265				
12/31/2011	793,853	2,231,907	4,942,157	8,597,517	12,067,503	13,359,787					
12/31/2012	350,035	2,243,784	6,258,467	9,253,696	11,164,650						
12/31/2013	612,225	2,620,276	6,070,009	9,722,500							
12/31/2014	582,991	2,420,445	5,724,481								
12/31/2015	510,526	2,046,493									
12/31/2016	438,117										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	7,040,375	7,146,786	7,303,217	7,374,097	7,405,023	7,396,173	7,397,932	7,401,257	7,399,312
12/31/1998	11,950,998	12,285,606	12,584,020	12,727,270	12,807,469	12,860,312	12,926,994	13,052,011	
12/31/1999	9,303,455	9,200,419	9,191,959	9,193,098	9,193,323	9,193,791	9,191,893		
12/31/2000	8,690,360	8,686,842	8,677,913	8,683,726	8,687,482	8,699,709			
12/31/2001	9,263,908	9,255,695	9,264,724	9,334,477	9,339,124				
12/31/2002	11,650,194	11,834,712	11,920,830	12,023,147					
12/31/2003	10,069,326	10,106,963	10,184,261						
12/31/2004	12,420,071	12,546,183							
12/31/2005	10,899,757								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1997	1.010	1.004	0.999	1.000	1.000	1.000	1.001	*	
12/31/1998	1.011	1.006	1.004	1.005	1.010	1.000	1.001	*	
12/31/1999	1.000	1.000	1.000	1.000	1.000	*	1.001	*	
12/31/2000	1.001	1.000	1.001	1.000	*	1.000	*	1.001	*
12/31/2001	1.008	1.000	1.001	*	1.000	*	1.000	*	1.001
12/31/2002	1.009								

Best 3/5      1.006      1.001      1.001 \*      1.000 \*      1.000 \*      1.000 \*      1.001 \*

171 to Ultimate Factor: 1.009

\* Calculated Using Modified Bondy Method



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

Increments													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	1,141,229	1,645,616	1,160,631	924,421	178,967	227,194	81,886	262,210	19,494	-36,676	-6,597	106,411	156,431
12/31/1998	1,340,831	1,785,520	1,059,492	630,738	6,687,519	-1,873,662	782,521	162,021	-65,692	47,187	380,958	334,608	298,414
12/31/1999	807,286	1,625,531	2,242,901	940,192	925,305	-21,612	620,259	617,694	123,952	282,603	194,521	-103,036	-8,460
12/31/2000	2,001,495	1,248,426	2,285,568	849,860	601,279	57,386	59,968	174,891	455,929	11,829	113,916	-3,518	-8,929
12/31/2001	1,505,766	1,908,624	2,223,577	1,401,618	789,539	678,606	7,524	68,263	10,227	-27,754	42,694	-8,213	9,029
12/31/2002	2,192,630	1,850,058	3,372,144	916,062	1,446,153	340,790	376,929	254,622	17,747	83,606	66,271	184,518	86,118
12/31/2003	1,249,428	2,513,547	2,918,661	899,700	673,705	669,002	-3,938	-128,635	39,021	52,148	111,286	37,637	77,298
12/31/2004	1,327,850	2,761,005	2,827,940	2,040,738	1,206,629	1,216,169	-212,967	157,689	34,639	349,915	168,523	126,112	
12/31/2005	663,280	2,568,921	2,861,315	1,436,183	777,566	580,794	300,518	349,436	297,037	170,539	140,310		
12/31/2006	2,885,392	2,984,496	1,970,970	1,300,168	1,212,190	565,454	326,170	274,249	14,975	-20,685			
12/31/2007	1,749,205	3,130,159	3,800,247	1,200,486	613,321	284,362	284,311	181,380	112,711				
12/31/2008	1,448,255	2,776,172	2,685,373	2,250,551	1,307,119	763,266	549,053	691,246					
12/31/2009	1,633,265	2,616,830	2,524,494	2,511,845	1,213,944	364,088	308,804						
12/31/2010	2,175,648	3,004,127	3,065,858	2,772,173	1,315,871	1,144,703							
12/31/2011	1,438,054	2,710,250	3,655,360	3,469,986	1,292,284								
12/31/2012	1,893,749	4,014,683		2,995,229	1,910,954								
12/31/2013	2,008,051	3,449,733	3,652,491										
12/31/2014	1,837,454	3,304,036											
12/31/2015	1,535,967												

Incremental Percentages													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	0.0539	0.0778	0.0548	0.0437	0.0085	0.0107	0.0039	0.0124	0.0009	-0.0017	-0.0003	0.0050	0.0074
12/31/1998	0.0605	0.0806	0.0478	0.0285	0.3020	-0.0846	0.0353	0.0073	-0.0030	0.0021	0.0172	0.0151	0.0135
12/31/1999	0.0369	0.0744	0.1026	0.0430	0.0423	-0.0010	0.0284	0.0283	0.0057	0.0129	0.0089	-0.0047	-0.0004
12/31/2000	0.0925	0.0577	0.1057	0.0393	0.0278	0.0027	0.0028	0.0081	0.0211	0.0005	0.0053	-0.0002	-0.0004
12/31/2001	0.0807	0.1023	0.1192	0.0752	0.0423	0.0364	0.0004	0.0037	0.0005	-0.0015	0.0023	-0.0004	0.0005
12/31/2002	0.0943	0.0796	0.1451	0.0394	0.0622	0.0147	0.0162	0.0110	0.0008	0.0036	0.0029	0.0079	0.0037
12/31/2003	0.0688	0.1385	0.1608	0.0496	0.0371	0.0369	-0.0002	-0.0071	0.0022	0.0029	0.0061	0.0021	0.0043
12/31/2004	0.0649	0.1349	0.1381	0.0997	0.0589	0.0594	-0.0104	0.0077	0.0017	0.0171	0.0082	0.0062	
12/31/2005	0.0258	0.1001	0.1115	0.0559	0.0303	0.0226	0.0117	0.0136	0.0116	0.0066	0.0055		
12/31/2006	0.1055	0.1091	0.0721	0.0475	0.0443	0.0207	0.0119	0.0100	0.0005	-0.0008			
12/31/2007	0.0714	0.1277	0.1551	0.0490	0.0250	0.0116	0.0116	0.0074	0.0046				
12/31/2008	0.0608	0.1165	0.1127	0.0945	0.0549	0.0320	0.0230	0.0290					
12/31/2009	0.0642	0.1029	0.0992	0.0987	0.0477	0.0143	0.0121						
12/31/2010	0.0753	0.1039	0.1061	0.0959	0.0455	0.0396							
12/31/2011	0.0548	0.1032	0.1392	0.1322	0.0492								
12/31/2012	0.0646	0.1370	0.1022	0.0652									
12/31/2013	0.0688	0.1182	0.1251										
12/31/2014	0.0736	0.1323											
12/31/2015	0.0579												

Best 3/5	0.0638	0.1181	0.1111	0.0964	0.0475	0.0223	0.0119	0.0104	0.0028	0.0044	0.0048	0.0027	0.0013
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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
12/31/1997	14,476,707	21,024,999	24,989,059	27,568,777	29,573,219	31,498,859	33,686,772	34,617,731	35,065,578	35,428,621	35,715,051
12/31/1998	18,615,102	24,292,524	27,787,116	34,091,765	38,137,692	41,300,518	43,740,425	45,052,142	46,071,898	47,276,775	48,493,085
12/31/1999	19,138,909	24,207,487	27,938,198	31,687,167	34,551,502	38,222,368	40,057,561	41,152,481	42,186,533	43,199,144	43,276,904
12/31/2000	22,496,846	31,177,966	37,010,462	41,346,201	44,351,625	47,182,885	51,294,246	53,488,201	54,336,465	55,582,086	56,287,119
12/31/2001	26,608,794	34,625,135	41,258,569	45,443,563	49,166,004	51,034,839	52,357,084	54,772,098	56,381,032	56,986,012	56,994,631
12/31/2002	27,309,214	36,392,057	41,323,767	46,809,768	48,521,845	49,950,307	52,128,251	54,170,313	55,298,476	54,936,473	55,685,672
12/31/2003	28,963,973	34,593,389	39,248,028	41,023,560	45,455,070	47,307,090	48,478,945	49,668,305	51,055,527	51,526,685	52,215,078
12/31/2004	29,799,442	36,836,404	41,550,163	46,859,831	49,990,556	52,903,448	54,991,846	56,686,585	58,704,945	59,346,434	61,183,943
12/31/2005	28,435,414	35,728,019	41,122,523	46,572,316	49,288,411	52,854,996	56,131,514	57,503,106	59,675,160	59,774,844	61,083,853
12/31/2006	39,126,091	47,711,700	54,805,949	60,412,330	66,597,380	69,045,216	71,216,232	70,956,191	72,332,711	73,199,779	75,091,533
12/31/2007	44,679,247	54,568,490	64,192,746	67,590,748	70,802,938	73,317,717	74,413,262	76,841,607	78,626,742	80,885,042	
12/31/2008	55,540,851	65,183,255	72,107,651	74,938,298	77,672,965	79,248,062	80,964,948	82,392,694	90,690,441		
12/31/2009	58,801,478	68,318,210	75,425,062	78,296,193	80,268,239	81,154,659	82,824,113	85,986,675			
12/31/2010	56,999,260	66,336,967	70,416,407	72,589,432	75,529,224	76,739,232	77,888,506				
12/31/2011	55,785,336	62,971,870	65,510,969	65,966,732	67,638,544	70,611,534					
12/31/2012	48,618,858	55,438,963	57,561,010	60,722,673	63,724,593						
12/31/2013	44,518,808	49,431,715	53,848,124	55,695,132							
12/31/2014	44,658,691	51,781,980	54,862,816								
12/31/2015	42,468,994	49,359,932									
12/31/2016	38,848,222										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	36,624,927	36,943,255	37,099,133	36,951,679	36,963,398	36,926,684	36,865,371	36,863,121	36,856,270
12/31/1998	48,648,284	48,800,346	48,739,327	48,787,691	48,909,095	48,701,874	48,701,064	48,634,945	
12/31/1999	43,496,060	43,681,163	43,571,936	43,775,377	43,716,624	43,835,922	43,842,640		
12/31/2000	56,759,695	56,685,379	56,678,871	56,707,776	56,595,350	56,465,651			
12/31/2001	57,557,106	57,199,303	57,394,901	57,660,327	57,641,040				
12/31/2002	55,852,497	55,852,029	55,933,820	55,909,749					
12/31/2003	52,180,065	52,597,532	53,079,239						
12/31/2004	61,857,874	62,331,653							
12/31/2005	61,213,373								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.452	1.189	1.103	1.073	1.065	1.069	1.028	1.013	1.010	1.008	1.025
12/31/1998	1.305	1.144	1.227	1.119	1.083	1.059	1.030	1.023	1.026	1.026	1.003
12/31/1999	1.265	1.154	1.134	1.090	1.106	1.048	1.027	1.025	1.024	1.002	1.005
12/31/2000	1.386	1.187	1.117	1.073	1.064	1.087	1.043	1.016	1.023	1.013	1.008
12/31/2001	1.301	1.192	1.101	1.082	1.038	1.026	1.046	1.029	1.011	1.000	1.010
12/31/2002	1.333	1.136	1.133	1.037	1.029	1.044	1.039	1.021	0.993	1.014	1.003
12/31/2003	1.194	1.135	1.045	1.108	1.041	1.025	1.025	1.028	1.009	1.013	0.999
12/31/2004	1.236	1.128	1.128	1.067	1.058	1.039	1.031	1.036	1.011	1.031	1.011
12/31/2005	1.256	1.151	1.133	1.058	1.072	1.062	1.024	1.038	1.002	1.022	1.002
12/31/2006	1.219	1.149	1.102	1.102	1.037	1.031	0.996	1.019	1.012	1.026	
12/31/2007	1.221	1.176	1.053	1.048	1.036	1.015	1.033	1.023	1.029		
12/31/2008	1.174	1.106	1.039	1.036	1.020	1.022	1.018	1.101			
12/31/2009	1.162	1.104	1.038	1.025	1.011	1.021	1.038				
12/31/2010	1.164	1.061	1.031	1.040	1.016	1.015					
12/31/2011	1.129	1.040	1.007	1.025	1.044						
12/31/2012	1.140	1.038	1.055	1.049							
12/31/2013	1.110	1.089	1.034								
12/31/2014	1.160	1.059									
12/31/2015	1.162										

3 Yr Mean	1.144	1.062	1.032	1.038	1.024	1.019	1.030	1.048	1.014	1.026	1.004
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Best 3/5	1.143	1.053	1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.009	1.004	0.996	1.000	0.999	0.998	1.000	1.000
12/31/1998	1.003	0.999	1.001	1.002	0.996	1.000	0.999	0.999 *
12/31/1999	1.004	0.997	1.005	0.999	1.003	1.000	0.999 *	0.999 *
12/31/2000	0.999	1.000	1.001	0.998	0.998	0.999 *	0.999 *	0.999 *
12/31/2001	0.994	1.003	1.005	1.000	1.000 *	0.999 *	0.999 *	0.999 *
12/31/2002	1.000	1.001	1.000					
12/31/2003	1.008	1.009						
12/31/2004	1.008							

3 Yr Mean	1.005	1.004	1.002	0.999	0.999 @	0.999 @	1.000 @	1.000 @
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Best 3/5	1.002	1.001	1.002	1.000	0.999 *	0.999 *	0.999 *	0.999 *
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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
12/31/2012					1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2013				1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2014			1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2015		1.053	1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2016	1.143	1.053	1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.142
12/31/2013	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.180
12/31/2014	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.221
12/31/2015	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.285
12/31/2016	1.002	1.001	1.002	1.000	0.999	0.999	0.999	0.999	0.996*	1.469

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	3,210,957	3,904,989	4,375,163	4,912,152	5,978,201	7,050,725	8,375,494	9,809,205	10,043,818	10,874,879	11,682,124
12/31/1998	3,447,941	5,186,967	6,423,875	6,796,525	7,813,276	8,517,341	9,741,425	11,257,610	12,200,642	13,040,291	13,201,578
12/31/1999	3,199,270	5,044,863	5,575,448	7,244,318	8,188,188	9,651,581	11,106,897	12,103,138	12,802,429	13,135,089	13,629,215
12/31/2000	3,471,855	5,349,935	7,405,959	9,489,899	11,691,772	14,491,304	16,582,160	18,447,246	19,221,575	21,494,186	23,246,804
12/31/2001	3,590,910	5,725,419	7,793,995	10,616,734	14,002,935	17,224,859	21,993,148	23,402,451	25,895,230	25,966,918	27,504,128
12/31/2002	4,255,414	5,700,028	8,365,872	10,199,308	11,830,443	14,391,760	16,031,537	17,902,386	20,136,148	20,065,628	20,048,355
12/31/2003	4,196,138	6,067,239	7,657,808	8,457,245	9,795,816	10,397,330	11,397,206	12,090,593	12,766,238	13,615,662	13,533,948
12/31/2004	5,824,885	7,372,939	9,171,424	9,751,195	10,459,553	11,464,569	12,149,530	13,332,912	13,916,022	14,294,772	14,519,929
12/31/2005	6,630,570	9,087,433	10,040,091	10,770,269	12,073,588	12,818,796	13,253,663	13,972,615	14,699,222	14,860,054	15,089,706
12/31/2006	7,644,998	9,212,774	10,413,710	11,101,832	11,193,322	12,124,225	12,755,867	13,477,739	13,894,055	15,108,278	15,949,800
12/31/2007	9,590,985	11,767,028	12,236,194	12,674,812	13,395,367	13,910,544	15,005,742	15,705,925	16,458,994	17,704,907	
12/31/2008	8,809,687	11,738,940	14,074,906	14,432,382	15,389,000	16,329,662	17,489,267	17,980,085	18,709,239		
12/31/2009	8,123,738	10,475,821	12,042,988	12,860,752	13,869,425	15,635,475	16,847,269	17,372,520			
12/31/2010	9,431,301	11,314,296	11,616,019	12,419,064	13,383,418	13,773,767	14,126,971				
12/31/2011	9,430,045	11,453,099	12,494,941	12,901,311	13,725,119	14,477,528					
12/31/2012	8,822,348	10,347,539	11,848,954	12,424,921	13,954,912						
12/31/2013	11,154,298	13,608,630	14,515,472	15,559,878							
12/31/2014	11,942,483	14,180,019	16,127,074								
12/31/2015	14,553,140	18,568,834									
12/31/2016	15,392,057										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	11,634,501	11,989,577	12,154,595	12,029,833	11,911,394	12,039,678	12,042,499	12,042,499	12,042,499
12/31/1998	13,610,892	13,632,660	13,641,292	13,655,097	13,486,595	13,478,122	13,477,622	13,477,622	
12/31/1999	13,840,532	14,113,809	13,952,858	13,884,919	13,902,711	13,850,534	13,850,534		
12/31/2000	23,819,062	24,018,558	23,936,492	23,909,280	23,684,801	23,514,256			
12/31/2001	27,664,786	27,743,074	27,364,516	27,272,641	27,110,734				
12/31/2002	20,383,354	20,185,142	19,889,306	19,659,178					
12/31/2003	13,380,432	13,581,000	13,234,508						
12/31/2004	14,556,234	14,699,378							
12/31/2005	15,673,999								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.216	1.120	1.123	1.217	1.179	1.188	1.171	1.024	1.083	1.074	0.996
12/31/1998	1.504	1.238	1.058	1.150	1.090	1.144	1.156	1.084	1.069	1.012	1.031
12/31/1999	1.577	1.105	1.299	1.130	1.179	1.151	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.541	1.384	1.281	1.232	1.239	1.144	1.112	1.042	1.118	1.082	1.025
12/31/2001	1.594	1.361	1.362	1.319	1.230	1.277	1.064	1.107	1.003	1.059	1.006
12/31/2002	1.339	1.468	1.219	1.160	1.217	1.114	1.117	1.125	0.996	0.999	1.017
12/31/2003	1.446	1.262	1.104	1.158	1.061	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.266	1.244	1.063	1.073	1.096	1.060	1.097	1.044	1.027	1.016	1.003
12/31/2005	1.371	1.105	1.073	1.121	1.062	1.034	1.054	1.052	1.011	1.015	1.039
12/31/2006	1.205	1.130	1.066	1.008	1.083	1.052	1.057	1.031	1.087	1.056	
12/31/2007	1.227	1.040	1.036	1.057	1.038	1.079	1.047	1.048	1.076		
12/31/2008	1.333	1.199	1.025	1.066	1.061	1.071	1.028	1.041			
12/31/2009	1.290	1.150	1.068	1.078	1.127	1.078	1.031				
12/31/2010	1.200	1.027	1.069	1.078	1.029	1.026					
12/31/2011	1.215	1.091	1.033	1.064	1.055						
12/31/2012	1.173	1.145	1.049	1.123							
12/31/2013	1.220	1.067	1.072								
12/31/2014	1.187	1.137									
12/31/2015	1.276										

3 Yr Mean      1.228      1.116      1.051      1.088      1.070      1.058      1.035      1.040      1.058      1.029      1.010

Best 3/5      1.207      1.098      1.062      1.074      1.051      1.067      1.044      1.044      1.057      1.010      1.009

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.031	1.014	0.990	0.990	1.011	1.000	1.000	1.000			
12/31/1998	1.002	1.001	1.001	0.988	0.999	1.000	1.000	1.000 *			
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000 *	1.000 *			
12/31/2000	1.008	0.997	0.999	0.991	0.993	0.998 *	1.000 *	1.000 *			
12/31/2001	1.003	0.986	0.997	0.994	0.992 *	0.998 *	1.000 *	1.000 *			
12/31/2002	0.990	0.985	0.988								
12/31/2003	1.015	0.974									
12/31/2004	1.010										

3 Yr Mean      1.005      0.982      0.995      0.995      0.996 @      1.000 @      1.000 @      1.000 @

Best 3/5      1.007      0.987      0.997      0.992      0.996 \*      0.999 \*      1.000 \*      1.000 \*

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.051	1.067	1.044	1.044	1.057	1.010	1.009
12/31/2013				1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009
12/31/2014			1.062	1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009
12/31/2015		1.098	1.062	1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009
12/31/2016	1.207	1.098	1.062	1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.288
12/31/2013	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.383
12/31/2014	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.469
12/31/2015	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.613
12/31/2016	1.007	0.987	0.997	0.992	0.996	0.999	1.000	1.000	1.000*	1.947

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

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

Allocated Expenses as of:											
A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	1,846,349	3,388,352	6,368,407	8,650,810	11,397,585	12,849,668	15,485,064	17,821,630	18,774,044	20,150,562	21,226,411
12/31/1998	1,737,737	3,167,783	5,890,063	10,031,360	13,773,948	16,743,004	19,239,976	21,887,087	24,548,078	26,000,014	27,440,740
12/31/1999	1,773,214	3,567,590	6,702,060	11,916,176	15,648,828	19,661,918	23,212,769	26,434,111	29,414,434	31,202,834	32,023,544
12/31/2000	2,125,524	4,734,318	8,815,557	14,166,497	18,700,811	23,316,987	30,097,594	34,493,281	36,544,036	39,315,977	41,387,777
12/31/2001	3,652,588	7,383,994	13,825,798	20,060,489	25,494,369	31,545,398	38,175,114	42,776,029	46,351,363	48,879,972	50,003,920
12/31/2002	2,894,504	7,491,521	14,392,366	20,715,053	25,868,331	29,575,890	32,681,386	35,445,157	38,992,255	40,993,913	42,461,083
12/31/2003	4,292,337	7,391,544	13,607,964	18,774,781	24,018,042	29,049,509	32,412,528	36,629,375	39,730,894	42,062,588	44,095,630
12/31/2004	3,149,026	6,678,652	13,176,969	20,405,390	26,441,202	32,164,534	38,003,616	42,958,898	49,202,404	53,759,853	58,637,030
12/31/2005	2,329,108	7,475,806	14,518,029	21,651,251	27,781,339	35,165,399	40,251,171	45,261,226	50,504,396	54,807,202	57,978,935
12/31/2006	4,348,763	9,614,115	17,865,263	26,242,902	34,219,442	41,277,122	48,543,085	52,622,837	59,525,392	62,554,378	65,681,084
12/31/2007	4,921,269	10,136,774	19,207,808	27,226,533	35,446,228	42,785,530	48,143,935	53,727,660	58,162,148	63,051,230	
12/31/2008	5,924,852	14,422,936	23,979,034	35,373,607	45,202,075	51,829,850	56,638,959	60,321,988	64,546,366		
12/31/2009	7,837,555	16,561,331	29,190,274	42,433,393	51,928,436	59,106,314	64,611,236	70,897,548			
12/31/2010	7,031,800	15,875,589	27,695,985	40,149,403	48,035,059	53,551,457	57,694,303				
12/31/2011	7,644,494	15,133,217	23,547,314	30,931,342	36,388,656	42,112,057					
12/31/2012	5,851,363	12,668,921	20,905,489	29,249,493	38,377,914						
12/31/2013	5,242,096	12,783,352	19,539,706	28,744,896							
12/31/2014	4,959,578	11,928,993	20,099,270								
12/31/2015	5,817,976	12,751,249									
12/31/2016	5,854,058										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	22,442,411	22,332,385	22,653,156	22,979,467	23,006,295	23,048,644	23,039,179	23,059,803	23,097,878
12/31/1998	27,851,013	28,794,619	29,334,778	29,654,159	30,161,127	30,234,703	30,242,145	30,251,404	
12/31/1999	33,166,608	34,300,189	34,623,539	34,916,243	35,375,860	35,462,018	35,482,271		
12/31/2000	43,547,640	43,711,536	43,603,799	43,928,721	44,328,908	44,411,053			
12/31/2001	50,902,383	51,316,961	51,599,347	52,052,383	52,622,815				
12/31/2002	44,457,000	46,016,845	46,266,073	47,332,122					
12/31/2003	46,056,371	46,731,249	47,825,632						
12/31/2004	63,410,293	65,464,199							
12/31/2005	58,702,806								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1997	1.014	1.001	1.002	1.000	1.001	1.002	1.000	*	
12/31/1998	1.011	1.017	1.002	1.000	1.000	1.000	1.000	*	
12/31/1999	1.008	1.013	1.002	1.001	1.000	*	1.000	*	
12/31/2000	1.007	1.009	1.002	1.000	*	1.000	*	1.000	*
12/31/2001	1.009	1.011	1.011	*	1.000	*	1.000	*	1.000
12/31/2002	1.023								

Best 3/5      1.009      1.011      1.002 \*      1.000 \*      1.000 \*      1.000 \*      1.000 \*

171 to Ultimate Factor: 1.022

\* Calculated Using Modified Bondy Method

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

Increments													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	1,542,003	2,980,055	2,282,403	2,746,775	1,452,083	2,635,396	2,336,566	952,414	1,376,518	1,075,849	1,216,000	-110,026	320,771
12/31/1998	1,430,046	2,722,280	4,141,297	3,742,588	2,969,056	2,496,972	2,647,111	2,660,991	1,451,936	1,440,726	410,273	943,606	540,159
12/31/1999	1,794,376	3,134,470	5,214,116	3,732,652	4,013,090	3,550,851	3,221,342	2,980,323	1,788,400	820,710	1,143,064	1,133,581	323,350
12/31/2000	2,608,794	4,081,239	5,350,940	4,534,314	4,616,176	6,780,607	4,395,687	2,050,755	2,771,941	2,071,800	2,159,863	163,896	-107,737
12/31/2001	3,731,406	6,441,804	6,234,691	5,433,880	6,051,029	6,629,716	4,600,915	3,575,334	2,528,609	1,123,948	898,463	414,578	282,386
12/31/2002	4,597,017	6,900,845	6,322,687	5,153,278	3,707,559	3,105,496	2,763,771	3,547,098	2,001,658	1,467,170	1,995,917	1,559,845	249,228
12/31/2003	3,099,207	6,216,420	5,166,817	5,243,261	5,031,467	3,363,019	4,216,847	3,101,519	2,331,694	2,033,042	1,960,741	674,878	1,094,383
12/31/2004	3,529,626	6,498,317	7,228,421	6,035,812	5,723,332	5,839,082	4,955,282	6,243,506	4,557,449	4,877,177	4,773,263	2,053,906	
12/31/2005	5,146,698	7,042,223	7,133,222	6,130,088	7,384,060	5,085,772	5,010,055	5,243,170	4,302,806	3,171,733	723,871		
12/31/2006	5,265,352	8,251,148	8,377,639	7,976,540	7,057,680	7,265,963	4,079,752	6,902,555	3,028,986	3,126,706			
12/31/2007	5,215,505	9,071,034	8,018,725	8,219,695	7,339,302	5,358,405	5,583,725	4,434,488	4,889,082				
12/31/2008	8,498,084	9,556,098	11,394,573	9,828,468	6,627,775	4,809,109	3,683,029	4,224,378					
12/31/2009	8,723,776	12,628,943	13,243,119	9,495,043	7,177,878	5,504,922	6,286,312						
12/31/2010	8,843,789	11,820,396	12,453,418	7,885,656	5,516,398	4,142,846							
12/31/2011	7,488,723	8,414,097	7,384,028	5,457,314	5,723,401								
12/31/2012	6,817,558	8,236,568	8,344,004	9,128,421									
12/31/2013	7,541,256	6,756,354	9,205,190										
12/31/2014	6,969,415	8,170,277											
12/31/2015	6,933,273												

Incremental Percentages													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	0.0293	0.0566	0.0434	0.0522	0.0276	0.0501	0.0444	0.0181	0.0262	0.0204	0.0231	-0.0021	0.0061
12/31/1998	0.0228	0.0434	0.0661	0.0597	0.0474	0.0398	0.0422	0.0425	0.0232	0.0230	0.0065	0.0151	0.0086
12/31/1999	0.0294	0.0513	0.0854	0.0611	0.0657	0.0582	0.0528	0.0488	0.0293	0.0134	0.0187	0.0186	0.0053
12/31/2000	0.0328	0.0514	0.0673	0.0571	0.0581	0.0853	0.0553	0.0258	0.0349	0.0261	0.0272	0.0021	-0.0014
12/31/2001	0.0463	0.0800	0.0774	0.0675	0.0751	0.0823	0.0571	0.0444	0.0314	0.0140	0.0112	0.0051	0.0035
12/31/2002	0.0585	0.0877	0.0804	0.0655	0.0471	0.0395	0.0351	0.0451	0.0255	0.0187	0.0254	0.0198	0.0032
12/31/2003	0.0411	0.0825	0.0686	0.0696	0.0668	0.0446	0.0560	0.0412	0.0309	0.0270	0.0260	0.0090	0.0145
12/31/2004	0.0388	0.0715	0.0795	0.0664	0.0630	0.0642	0.0545	0.0687	0.0501	0.0537	0.0525	0.0226	
12/31/2005	0.0603	0.0825	0.0835	0.0718	0.0865	0.0596	0.0587	0.0614	0.0504	0.0371	0.0085		
12/31/2006	0.0494	0.0774	0.0786	0.0748	0.0662	0.0681	0.0383	0.0647	0.0284	0.0293			
12/31/2007	0.0459	0.0799	0.0706	0.0724	0.0647	0.0472	0.0492	0.0391	0.0431				
12/31/2008	0.0656	0.0738	0.0879	0.0759	0.0512	0.0371	0.0284	0.0326					
12/31/2009	0.0681	0.0986	0.1034	0.0741	0.0560	0.0430	0.0491						
12/31/2010	0.0728	0.0973	0.1026	0.0649	0.0454	0.0341							
12/31/2011	0.0685	0.0770	0.0676	0.0499	0.0524								
12/31/2012	0.0674	0.0815	0.0825	0.0903									
12/31/2013	0.0800	0.0717	0.0977										
12/31/2014	0.0716	0.0839											
12/31/2015	0.0741												

Best 3/5	0.0714	0.0808	0.0943	0.0716	0.0532	0.0424	0.0455	0.0551	0.0414	0.0311	0.0209	0.0113	0.0040
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LOCAL PRODUCTS (Subline Code 336)  
FULL COVERAGE  
MULTISTATE  
BODILY INJURY - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	7,439,615	8,227,439	8,523,610	9,139,842	9,029,492	9,663,594	12,631,135	13,331,025	9,153,165	9,171,003	9,082,934
12/31/1998	6,622,351	7,292,022	8,007,532	8,303,794	7,913,238	8,101,716	8,057,765	8,168,423	8,058,976	8,107,695	7,972,733
12/31/1999	6,183,977	7,749,736	8,733,194	9,172,086	9,304,400	8,952,080	8,828,507	8,947,621	8,899,412	8,917,384	8,962,393
12/31/2000	6,759,702	8,374,218	9,462,840	10,684,728	9,784,873	9,735,436	9,701,512	9,758,700	9,675,712	9,690,445	9,673,871
12/31/2001	6,514,665	8,071,985	9,380,544	9,767,426	9,649,869	9,898,481	9,946,074	9,833,187	9,888,148	9,870,027	9,918,447
12/31/2002	6,967,152	8,264,684	9,831,635	11,038,987	10,988,162	10,890,407	10,891,012	10,874,392	10,874,592	10,870,770	10,976,771
12/31/2003	4,929,370	6,902,208	9,277,753	9,992,691	10,411,044	10,321,295	10,105,420	9,999,237	10,012,417	10,097,454	9,978,516
12/31/2004	5,960,836	7,305,219	8,677,233	9,425,082	9,199,807	8,859,717	8,932,879	8,776,365	8,815,357	8,836,786	8,808,321
12/31/2005	6,593,800	7,057,704	8,664,865	8,755,525	8,717,236	8,648,872	8,637,005	8,675,878	8,568,758	8,547,627	8,547,478
12/31/2006	5,837,115	7,125,673	8,671,010	8,713,463	8,549,390	8,323,991	8,136,572	8,147,864	8,209,776	8,209,776	8,209,776
12/31/2007	5,734,830	6,813,438	8,289,709	8,232,484	8,412,909	8,258,398	8,105,941	7,883,553	7,773,944	7,788,941	
12/31/2008	5,936,060	7,274,356	8,233,237	7,937,170	7,739,731	7,841,577	7,862,013	7,743,262	7,743,262		
12/31/2009	6,765,398	7,604,254	9,168,129	9,283,900	9,239,386	9,231,236	9,159,264	9,183,020			
12/31/2010	7,451,371	8,952,226	10,488,889	10,620,587	11,027,583	10,862,547	10,806,269				
12/31/2011	7,149,652	8,216,988	9,264,784	9,799,814	9,588,332	9,439,737					
12/31/2012	5,206,546	6,476,927	7,805,215	7,854,977	7,851,150						
12/31/2013	5,855,682	7,128,854	7,714,605	7,719,676							
12/31/2014	5,917,532	6,807,963	7,084,815								
12/31/2015	5,622,262	5,856,578									
12/31/2016	4,585,506										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	9,104,034	9,026,598	9,019,588	9,001,588	8,946,588	8,949,889	8,942,389	8,901,888	8,901,888
12/31/1998	7,996,132	7,985,437	7,985,937	7,986,437	7,990,739	8,015,738	8,215,737	8,190,737	
12/31/1999	8,941,847	8,924,898	9,023,898	9,028,699	9,033,699	9,048,699	9,048,699		
12/31/2000	9,770,371	9,695,915	9,732,210	9,768,710	9,758,458	9,738,708			
12/31/2001	9,924,206	9,923,206	9,965,106	9,922,206	9,902,571				
12/31/2002	10,949,833	10,962,832	10,970,362	11,090,361					
12/31/2003	9,967,516	9,957,517	9,957,516						
12/31/2004	8,810,820	8,809,177							
12/31/2005	8,554,902								



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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.106	1.036	1.072	0.988	1.070	1.307	1.055	0.687	1.002	0.990	1.002
12/31/1998	1.101	1.098	1.037	0.953	1.024	0.995	1.014	0.987	1.006	0.983	1.003
12/31/1999	1.253	1.127	1.050	1.014	0.962	0.986	1.013	0.995	1.002	1.005	0.998
12/31/2000	1.239	1.130	1.129	0.916	0.995	0.997	1.006	0.991	1.002	0.998	1.010
12/31/2001	1.239	1.162	1.041	0.988	1.026	1.005	0.989	1.006	0.998	1.005	1.001
12/31/2002	1.186	1.190	1.123	0.995	0.991	1.000	0.998	1.000	1.000	1.010	0.998
12/31/2003	1.400	1.344	1.077	1.042	0.991	0.979	0.989	1.001	1.008	0.988	0.999
12/31/2004	1.226	1.188	1.086	0.976	0.963	1.008	0.982	1.004	1.002	0.997	1.000
12/31/2005	1.070	1.228	1.010	0.996	0.992	0.999	1.005	0.988	0.998	1.000	1.001
12/31/2006	1.221	1.217	1.005	0.981	0.974	0.977	1.001	1.008	1.000	1.000	
12/31/2007	1.188	1.217	0.993	1.022	0.982	0.982	0.973	0.986	1.002		
12/31/2008	1.225	1.132	0.964	0.975	1.013	1.003	0.985	1.000			
12/31/2009	1.124	1.206	1.013	0.995	0.999	0.992	1.003				
12/31/2010	1.201	1.172	1.013	1.038	0.985	0.995					
12/31/2011	1.149	1.128	1.058	0.978	0.985						
12/31/2012	1.244	1.205	1.006	1.000							
12/31/2013	1.217	1.082	1.001								
12/31/2014	1.150	1.041									
12/31/2015	1.042										

3 Yr Mean	1.136	1.109	1.022	1.005	0.990	0.997	0.987	0.998	1.000	0.999	1.000
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Best 3/5	1.172	1.127	1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.991	0.999	0.998	0.994	1.000	0.999	0.995	1.000			
12/31/1998	0.999	1.000	1.000	1.001	1.003	1.025	0.997	0.999 *			
12/31/1999	0.998	1.011	1.001	1.001	1.002	1.000	1.000 *	0.999 *			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.000 *	1.000 *	0.999 *			
12/31/2001	1.000	1.004	0.996	0.998	0.999 *	1.000 *	1.000 *	0.999 *			
12/31/2002	1.001	1.001	1.011								
12/31/2003	0.999	1.000									
12/31/2004	1.000										

3 Yr Mean	1.000	1.002	1.004	0.999	1.001 @	1.008 @	0.996 @	1.000 @			
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Best 3/5	1.000	1.003	1.002	0.999	1.000 *	1.000 *	0.999 *	0.999 *			
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Development From											
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2013				0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2014			1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2015		1.127	1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2016	1.172	1.127	1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	0.971
12/31/2013	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	0.963
12/31/2014	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	0.973
12/31/2015	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	1.097
12/31/2016	1.000	1.003	1.002	0.999	1.000	1.000	0.999	0.999	0.996*	1.285

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

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	357,857	430,629	856,827	832,801	712,801	709,801	709,801	709,801	704,801	706,861	704,801
12/31/1998	104,651	183,618	137,402	75,802	75,802	76,802	76,802	76,802	84,345	84,302	84,302
12/31/1999	357,147	246,142	223,437	219,338	221,172	221,172	221,172	221,172	221,172	221,172	221,172
12/31/2000	314,291	528,582	556,688	476,626	501,626	490,970	486,970	487,970	487,970	486,970	521,970
12/31/2001	278,206	352,745	423,834	497,226	463,174	463,174	453,174	453,174	453,174	466,578	466,578
12/31/2002	408,226	436,004	390,234	498,725	484,971	446,232	446,231	446,231	446,231	446,231	446,231
12/31/2003	137,726	261,136	219,409	274,123	191,730	123,445	121,945	96,844	96,844	96,844	96,844
12/31/2004	711,594	664,590	1,075,135	1,252,571	863,010	864,290	841,891	841,890	841,890	841,890	841,890
12/31/2005	648,240	814,848	1,114,321	1,010,826	905,856	988,273	988,272	988,322	988,322	988,951	988,951
12/31/2006	449,818	935,743	937,460	812,104	834,562	834,005	834,005	834,005	834,005	834,005	834,005
12/31/2007	366,539	604,551	956,120	997,329	947,160	937,260	937,260	968,260	968,260	968,260	
12/31/2008	527,184	422,912	537,374	427,853	351,603	368,464	367,964	367,964	367,964		
12/31/2009	283,339	295,250	308,523	246,539	438,219	439,219	439,119	439,130			
12/31/2010	430,140	332,606	401,643	289,143	389,473	389,473	389,473				
12/31/2011	427,122	653,662	887,478	869,628	877,128	860,729					
12/31/2012	334,930	460,918	560,127	584,965	719,491						
12/31/2013	398,180	730,228	918,552	1,033,380							
12/31/2014	950,609	1,110,949	1,056,201								
12/31/2015	618,643	844,501									
12/31/2016	456,718										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	704,801	704,801	704,801	704,801	756,702	816,702	831,302	831,302	831,302
12/31/1998	84,302	84,302	84,302	84,302	84,302	84,302	85,302	104,302	
12/31/1999	221,172	221,172	247,673	247,673	247,673	247,673	247,673		
12/31/2000	505,070	505,571	571,905	560,889	567,011	566,053			
12/31/2001	466,578	463,774	505,428	505,428	480,116				
12/31/2002	446,231	446,231	446,231	438,731					
12/31/2003	96,844	96,844	96,844						
12/31/2004	841,893	841,890							
12/31/2005	988,951								

LOCAL PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.203	1.990	0.972	0.856	0.996	1.000	1.000	0.993	1.003	0.997	1.000
12/31/1998	1.755	0.748	0.552	1.000	1.013	1.000	1.000	1.098	0.999	1.000	1.000
12/31/1999	0.689	0.908	0.982	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.682	1.053	0.856	1.052	0.979	0.992	1.002	1.000	0.998	1.072	0.968
12/31/2001	1.268	1.202	1.173	0.932	1.000	0.978	1.000	1.000	1.030	1.000	1.000
12/31/2002	1.068	0.895	1.278	0.972	0.920	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.896	0.840	1.249	0.699	0.644	0.988	0.794	1.000	1.000	1.000	1.000
12/31/2004	0.934	1.618	1.165	0.689	1.001	0.974	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.257	1.368	0.907	0.896	1.091	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	2.080	1.002	0.866	1.028	0.999	1.000	1.000	1.000	1.000	1.000	
12/31/2007	1.649	1.582	1.043	0.950	0.990	1.000	1.033	1.000	1.000		
12/31/2008	0.802	1.271	0.796	0.822	1.048	0.999	1.000	1.000			
12/31/2009	1.042	1.045	0.799	1.777	1.002	1.000	1.000				
12/31/2010	0.773	1.208	0.720	1.347	1.000	1.000					
12/31/2011	1.530	1.358	0.980	1.009	0.981						
12/31/2012	1.376	1.215	1.044	1.230							
12/31/2013	1.834	1.258	1.125								
12/31/2014	1.169	0.951									
12/31/2015	1.365										
3 Yr Mean	1.456	1.141	1.050	1.195	0.994	1.000	1.011	1.000	1.000	1.000	1.000
Best 3/5	1.424	1.227	0.941	1.195	0.997	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.000	1.000	1.000	1.074	1.079	1.018	1.000	1.000			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.012	1.223	1.004 *			
12/31/1999	1.000	1.120	1.000	1.000	1.000	1.000	1.004 *	1.004 *			
12/31/2000	1.001	1.131	0.981	1.011	0.998	1.000 *	1.004 *	1.004 *			
12/31/2001	0.994	1.090	1.000	0.950	1.004 *	1.000 *	1.004 *	1.004 *			
12/31/2002	1.000	1.000	0.983								
12/31/2003	1.000	1.000									
12/31/2004	1.000										
3 Yr Mean	1.000	1.030	0.988	0.987	0.999 @	1.010 @	1.112 @	1.000 @			
Best 3/5	1.000	1.070	0.994	1.004	1.001 *	1.004 *	1.004 *	1.004 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2013				1.195	0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2014			0.941	1.195	0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015		1.227	0.941	1.195	0.997	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016	1.424	1.227	0.941	1.195	0.997	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	1.096
12/31/2013	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	1.309
12/31/2014	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	1.232
12/31/2015	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	1.512
12/31/2016	1.000	1.070	0.994	1.004	1.001	1.004	1.004	1.004	1.016*	2.153

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

Allocated Expenses as of:

<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>
12/31/1997	1,797,776	2,462,603	2,670,354	3,382,105	3,685,532	3,818,155	3,924,462	3,957,626	4,123,673	4,197,066	4,251,148
12/31/1998	783,749	1,598,562	2,406,606	2,708,670	2,413,521	2,488,121	2,499,836	2,601,236	2,734,134	2,773,747	2,793,066
12/31/1999	809,270	1,810,850	2,455,867	3,171,865	3,519,551	3,521,975	3,620,704	4,015,372	4,012,006	4,049,567	4,060,385
12/31/2000	1,172,363	1,557,873	2,548,920	3,837,897	4,619,451	4,963,621	5,110,438	5,056,324	5,096,971	5,115,163	5,140,834
12/31/2001	1,003,745	2,141,272	3,491,378	4,414,773	5,537,942	6,050,510	6,954,182	7,205,723	7,460,107	7,299,517	7,455,682
12/31/2002	1,627,848	2,452,570	3,868,152	4,584,962	5,615,270	5,930,045	6,033,544	6,187,178	6,249,359	6,252,874	6,351,020
12/31/2003	784,219	1,606,060	2,487,562	3,311,108	4,055,141	4,427,418	4,605,572	4,585,043	4,594,291	4,633,139	4,707,105
12/31/2004	677,673	1,395,481	2,411,642	3,083,451	3,617,592	3,824,563	3,967,268	4,109,361	4,107,303	4,106,518	4,107,263
12/31/2005	539,413	1,246,739	2,291,154	2,849,430	4,034,356	3,353,331	3,469,163	3,479,086	3,475,315	3,456,128	3,456,158
12/31/2006	706,919	1,684,520	2,863,519	4,145,722	4,911,685	5,279,510	5,388,290	5,345,542	5,378,852	5,374,173	5,374,173
12/31/2007	719,557	1,570,333	2,986,159	3,590,135	4,341,543	4,593,031	4,800,299	4,639,352	4,677,612	4,673,491	
12/31/2008	564,849	1,301,343	2,729,972	3,324,015	3,567,044	3,681,739	3,753,441	3,786,694	3,800,968		
12/31/2009	589,313	1,523,551	3,397,063	3,470,476	4,130,202	4,109,070	4,125,297	4,138,913			
12/31/2010	930,006	1,918,619	3,359,864	4,812,453	5,974,707	6,217,466	6,139,773				
12/31/2011	764,022	1,457,175	3,036,062	4,278,805	4,891,759	5,236,812					
12/31/2012	622,856	1,635,814	3,686,950	4,715,469	5,310,593						
12/31/2013	1,033,587	2,311,455	3,786,965	4,884,549							
12/31/2014	916,213	1,597,959	2,601,844								
12/31/2015	564,141	1,079,946									
12/31/2016	519,739										

<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>
12/31/1997	4,325,150	4,498,509	4,590,876	4,735,238	4,762,936	4,798,080	4,847,304	4,907,766	4,964,565
12/31/1998	2,807,476	2,815,190	2,825,726	2,850,641	2,848,035	2,855,578	3,006,040	3,116,164	
12/31/1999	4,091,908	4,105,709	4,296,650	4,327,363	4,275,612	4,291,373	4,305,461		
12/31/2000	5,540,139	5,304,998	5,375,115	5,427,854	5,490,045	5,513,298			
12/31/2001	7,560,816	7,729,626	7,839,853	7,982,872	8,166,783				
12/31/2002	6,403,713	6,467,472	6,473,295	6,738,353					
12/31/2003	4,687,395	4,687,395	4,685,288						
12/31/2004	4,104,463	4,127,130							
12/31/2005	3,456,158								

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

Increments													
A.Y.E	<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>
12/31/1997	664,827	207,751	711,751	303,427	132,623	106,307	33,164	166,047	73,393	54,082	74,002	173,359	92,367
12/31/1998	814,813	808,044	302,064	-295,149	74,600	11,715	101,400	132,898	39,613	19,319	14,410	7,714	10,536
12/31/1999	1,001,580	645,017	715,998	347,686	2,424	98,729	394,668	-3,366	37,561	10,818	31,523	13,801	190,941
12/31/2000	385,510	991,047	1,288,977	781,554	344,170	146,817	-54,114	40,647	18,192	25,671	399,305	-235,141	70,117
12/31/2001	1,137,527	1,350,106	923,395	1,123,169	512,568	903,672	251,541	254,384	-160,590	156,165	105,134	168,810	110,227
12/31/2002	824,722	1,415,582	716,810	1,030,308	314,775	103,499	153,634	62,181	3,515	98,146	52,693	63,759	5,823
12/31/2003	821,841	881,502	823,546	744,033	372,277	178,154	-20,529	9,248	38,848	73,966	-19,710	0	-2,107
12/31/2004	717,808	1,016,161	671,809	534,141	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	
12/31/2005	707,326	1,044,415	558,276	1,184,926	-681,025	115,832	9,923	-3,771	-19,187	30	0		
12/31/2006	977,601	1,178,999	1,282,203	765,963	367,825	108,780	-42,748	33,310	-4,679	0			
12/31/2007	850,776	1,415,826	603,976	751,408	251,488	207,268	-160,947	38,260	-4,121				
12/31/2008	736,494	1,428,629	594,043	243,029	114,695	71,702	33,253	14,274					
12/31/2009	934,238	1,873,512	73,413	659,726	-21,132	16,227	13,616						
12/31/2010	988,613	1,441,245	1,452,589	1,162,254	242,759	-77,693							
12/31/2011	693,153	1,578,887	1,242,743	612,954	345,053								
12/31/2012	1,012,958	2,051,136	1,028,519	595,124									
12/31/2013	1,277,868	1,475,510	1,097,584										
12/31/2014	681,746	1,003,885											
12/31/2015	515,805												

Incremental Percentages													
A.Y.E	<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>
12/31/1997	0.0508	0.0159	0.0544	0.0232	0.0101	0.0081	0.0025	0.0127	0.0056	0.0041	0.0057	0.0133	0.0071
12/31/1998	0.0651	0.0645	0.0241	-0.0236	0.0060	0.0009	0.0081	0.0106	0.0032	0.0015	0.0012	0.0006	0.0008
12/31/1999	0.0788	0.0508	0.0564	0.0274	0.0002	0.0078	0.0311	-0.0003	0.0030	0.0009	0.0025	0.0011	0.0150
12/31/2000	0.0283	0.0727	0.0945	0.0573	0.0252	0.0108	-0.0040	0.0030	0.0013	0.0019	0.0293	-0.0172	0.0051
12/31/2001	0.0783	0.0930	0.0636	0.0774	0.0353	0.0622	0.0173	0.0175	-0.0111	0.0108	0.0072	0.0116	0.0076
12/31/2002	0.0463	0.0794	0.0402	0.0578	0.0177	0.0058	0.0086	0.0035	0.0002	0.0055	0.0030	0.0036	0.0003
12/31/2003	0.0497	0.0533	0.0498	0.0450	0.0225	0.0108	-0.0012	0.0006	0.0023	0.0045	-0.0012	0.0000	-0.0001
12/31/2004	0.0586	0.0829	0.0548	0.0436	0.0169	0.0116	0.0116	-0.0002	-0.0001	0.0001	-0.0002	0.0018	
12/31/2005	0.0532	0.0785	0.0420	0.0891	-0.0512	0.0087	0.0007	-0.0003	-0.0014	0.0000	0.0000		
12/31/2006	0.0731	0.0882	0.0959	0.0573	0.0275	0.0081	-0.0032	0.0025	-0.0003	0.0000			
12/31/2007	0.0588	0.0978	0.0417	0.0519	0.0174	0.0143	-0.0111	0.0026	-0.0003				
12/31/2008	0.0559	0.1085	0.0451	0.0185	0.0087	0.0054	0.0025	0.0011					
12/31/2009	0.0695	0.1394	0.0055	0.0491	-0.0016	0.0012	0.0010						
12/31/2010	0.0641	0.0934	0.0941	0.0753	0.0157	-0.0050							
12/31/2011	0.0452	0.1030	0.0810	0.0400	0.0225								
12/31/2012	0.0844	0.1710	0.0857	0.0496									
12/31/2013	0.0957	0.1105	0.0822										
12/31/2014	0.0578	0.0851											
12/31/2015	0.0499												

Best 3/5	0.0641	0.1023	0.0830	0.0462	0.0139	0.0049	-0.0005	0.0011	-0.0002	0.0015	0.0009	0.0018	0.0044
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LOCAL PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE  
 BODILY INJURY - OCCURRENCE  
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	Link Ratios						
	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1997	1.031	1.006	1.007	1.010	1.012	1.012	1.031 *
12/31/1998	1.009	0.999	1.003	1.053	1.037	1.008 *	1.031 *
12/31/1999	1.007	0.988	1.004	1.003	1.005 *	1.008 *	1.031 *
12/31/2000	1.010	1.011	1.004	1.002 *	1.005 *	1.008 *	1.031 *
12/31/2001	1.018	1.023	1.002 *	1.002 *	1.005 *	1.008 *	1.031 *
12/31/2002	1.041						
Best 3/5	1.012	1.005	1.004 *	1.005 *	1.007 *	1.008 *	1.031 *

171 to Ultimate Factor: 1.074

<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>
	0.323	0.259	0.157	0.074	0.028	0.014	0.009
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.009	0.008	0.009	0.007	0.006	0.004	0.000

A.Y.E	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2014	2,483,800	11,974,007	0.157	1,879,929	4,363,729	1.074	4,686,451
12/31/2015	919,749	10,196,622	0.259	2,640,926	3,560,675	1.074	3,823,990
12/31/2016	544,609	11,917,168	0.323	3,849,240	4,393,849	1.074	4,718,809

\* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

<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>
12/31/1997	1,953,974	1,964,549	1,832,575	2,092,458	2,040,272	2,152,401	2,324,184	2,359,502	2,338,871	2,407,075	2,447,850
12/31/1998	1,376,246	1,584,285	1,827,587	1,989,165	2,007,293	1,856,698	1,895,083	1,871,634	1,918,615	2,049,084	1,968,505
12/31/1999	1,622,564	2,017,237	2,095,285	2,257,097	2,261,634	2,244,951	2,349,147	2,321,868	2,383,720	2,329,275	2,347,247
12/31/2000	2,153,802	2,368,783	2,567,661	2,657,625	2,846,689	3,195,261	3,052,674	3,098,150	3,260,826	3,340,009	3,322,925
12/31/2001	1,731,912	1,779,507	2,057,641	2,139,241	2,056,011	2,093,344	2,259,820	2,432,396	2,440,122	2,512,778	2,506,924
12/31/2002	1,627,015	1,773,646	1,929,360	1,991,502	1,951,566	1,976,361	2,055,109	2,051,078	2,101,695	2,166,817	2,231,202
12/31/2003	1,471,559	2,083,659	2,442,765	2,396,033	2,672,429	2,667,941	2,704,455	2,723,521	2,723,667	2,774,557	2,775,111
12/31/2004	2,245,149	2,535,073	2,588,741	2,478,879	2,544,085	2,550,663	2,479,290	2,517,773	2,538,622	2,547,105	2,557,072
12/31/2005	3,074,372	3,325,448	3,553,068	3,639,529	3,724,860	3,589,172	3,602,528	3,649,016	3,658,386	3,652,096	3,652,374
12/31/2006	3,319,395	3,819,872	3,811,854	3,845,683	3,860,534	4,019,137	4,055,225	4,219,507	4,266,936	4,344,031	4,337,005
12/31/2007	3,233,879	3,375,774	3,523,997	3,749,608	4,047,727	3,967,041	4,109,477	4,082,076	4,074,338	4,067,547	
12/31/2008	4,291,659	4,633,951	4,771,174	4,865,990	5,058,125	5,308,163	5,564,119	5,918,857	6,160,999		
12/31/2009	3,865,924	4,035,038	4,091,697	4,094,615	4,095,088	4,314,565	4,327,899	4,468,271			
12/31/2010	4,779,346	4,868,388	5,126,035	5,167,057	4,770,697	5,013,259	5,054,462				
12/31/2011	4,472,978	4,646,825	4,939,642	4,879,585	4,986,972	5,141,889					
12/31/2012	4,265,254	4,380,478	4,105,818	3,985,145	4,142,509						
12/31/2013	4,009,776	3,907,044	4,507,617	4,426,008							
12/31/2014	3,789,807	4,109,838	4,023,021								
12/31/2015	5,159,993	5,396,463									
12/31/2016	4,834,540										
<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>		
12/31/1997	2,434,468	2,419,567	2,518,622	2,518,622	2,518,622	2,518,625	2,518,622	2,518,622	2,518,622		
12/31/1998	1,895,894	1,901,179	1,900,644	1,900,644	1,903,816	1,900,483	1,900,482	1,900,482			
12/31/1999	2,359,524	2,440,346	2,450,629	2,425,118	2,490,017	2,491,218	2,488,717				
12/31/2000	3,329,570	3,322,818	3,326,317	3,319,315	3,319,314	3,317,314					
12/31/2001	2,489,513	2,446,591	2,452,085	2,453,264	2,465,271						
12/31/2002	2,213,098	2,278,740	2,285,615	2,294,215							
12/31/2003	2,815,167	2,799,953	2,783,902								
12/31/2004	2,517,294	2,519,073									
12/31/2005	3,647,774										

LOCAL PRODUCTS (Subline Code 336)  
FULL COVERAGE  
MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE  
Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.005	0.933	1.142	0.975	1.055	1.080	1.015	0.991	1.029	1.017	0.995
12/31/1998	1.151	1.154	1.088	1.009	0.925	1.021	0.988	1.025	1.068	0.961	0.963
12/31/1999	1.243	1.039	1.077	1.002	0.993	1.046	0.988	1.027	0.977	1.008	1.005
12/31/2000	1.100	1.084	1.035	1.071	1.122	0.955	1.015	1.053	1.024	0.995	1.002
12/31/2001	1.027	1.156	1.040	0.961	1.018	1.080	1.076	1.003	1.030	0.998	0.993
12/31/2002	1.090	1.088	1.032	0.980	1.013	1.040	0.998	1.025	1.031	1.030	0.992
12/31/2003	1.416	1.172	0.981	1.115	0.998	1.014	1.007	1.000	1.019	1.000	1.014
12/31/2004	1.129	1.021	0.958	1.026	1.003	0.972	1.016	1.008	1.003	1.016	0.984
12/31/2005	1.082	1.068	1.024	1.023	0.964	1.004	1.013	1.003	0.998	1.000	0.999
12/31/2006	1.151	0.998	1.009	1.004	1.041	1.009	1.041	1.011	1.018	0.998	
12/31/2007	1.044	1.044	1.064	1.080	0.980	1.036	0.993	0.998	0.998		
12/31/2008	1.080	1.030	1.020	1.039	1.049	1.048	1.064	1.041			
12/31/2009	1.044	1.014	1.001	1.000	1.054	1.003	1.032				
12/31/2010	1.019	1.053	1.008	0.923	1.051	1.008					
12/31/2011	1.039	1.063	0.988	1.022	1.031						
12/31/2012	1.027	0.937	0.971	1.039							
12/31/2013	0.974	1.154	0.982								
12/31/2014	1.084	0.979									
12/31/2015	1.046										

3 Yr Mean 1.035 1.023 0.980 0.995 1.045 1.020 1.030 1.017 1.005 1.001 0.999

Best 3/5 1.037 1.032 0.990 1.020 1.044 1.018 1.029 1.007 1.006 1.001 0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.994	1.041	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1998	1.003	1.000	1.000	1.002	0.998	1.000	1.000	1.000 *			
12/31/1999	1.034	1.004	0.990	1.027	1.000	0.999	1.000 *	1.000 *			
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000 *	1.000 *	1.000 *			
12/31/2001	0.983	1.002	1.000	1.005	1.002 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.030	1.003	1.004								
12/31/2003	0.995	0.994									
12/31/2004	1.001										

3 Yr Mean 1.009 1.000 1.001 1.011 0.999 @ 1.000 @ 1.000 @ 1.000 @

Best 3/5 0.998 1.002 0.999 1.002 1.000 \* 1.000 \* 1.000 \* 1.000 \*

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.044	1.018	1.029	1.007	1.006	1.001	0.995
12/31/2013				1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995
12/31/2014			0.990	1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995
12/31/2015		1.032	0.990	1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995
12/31/2016	1.037	1.032	0.990	1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.105
12/31/2013	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.127
12/31/2014	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.115
12/31/2015	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.151
12/31/2016	0.998	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.194

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



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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	157,727	122,846	167,989	148,509	149,509	156,242	157,010	189,866	194,714	174,444	221,954
12/31/1998	157,924	224,899	253,590	229,478	251,902	259,200	225,813	222,912	284,696	286,522	285,522
12/31/1999	126,641	317,779	318,867	283,866	309,479	293,503	274,445	273,947	280,945	273,945	273,945
12/31/2000	150,416	248,134	188,848	196,780	189,280	253,280	237,878	257,878	215,285	215,285	215,285
12/31/2001	208,337	185,152	211,169	225,824	225,824	216,726	265,726	270,726	265,727	267,726	365,726
12/31/2002	126,361	142,070	179,489	193,002	260,082	377,800	491,895	473,896	511,136	547,821	575,216
12/31/2003	301,928	273,260	286,387	400,997	521,569	603,103	647,217	719,333	800,317	989,921	1,086,391
12/31/2004	271,414	148,753	234,289	358,922	445,685	636,408	620,290	908,519	1,012,477	1,091,692	1,300,429
12/31/2005	197,281	268,813	319,792	399,663	440,559	544,464	604,272	604,850	649,740	1,097,958	1,212,221
12/31/2006	329,693	314,413	429,191	574,642	694,425	791,636	765,563	789,657	977,751	1,111,968	1,015,782
12/31/2007	444,093	654,857	681,805	622,939	592,373	583,394	587,261	684,261	681,411	678,189	
12/31/2008	341,102	249,777	378,523	377,040	388,540	386,540	486,540	486,540	480,041		
12/31/2009	183,622	185,756	157,956	156,256	156,356	263,169	263,069	363,069			
12/31/2010	263,109	267,778	262,233	266,329	360,329	360,329	360,329				
12/31/2011	318,781	343,489	316,318	337,818	315,907	325,907					
12/31/2012	301,846	261,235	268,400	276,297	262,657						
12/31/2013	508,761	545,111	574,416	724,757							
12/31/2014	426,117	524,296	517,358								
12/31/2015	669,243	760,156									
12/31/2016	1,081,583										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	224,822	234,855	241,102	235,639	242,201	242,200	242,200	242,200	242,200
12/31/1998	285,637	285,637	285,637	285,637	285,637	285,637	285,637	285,637	
12/31/1999	273,945	273,945	273,945	273,945	273,945	273,945	273,945		
12/31/2000	215,285	215,285	215,285	215,285	215,285	215,285			
12/31/2001	365,727	365,726	365,726	365,726	365,726				
12/31/2002	574,442	569,196	569,552	575,757					
12/31/2003	1,280,210	1,300,582	1,222,192						
12/31/2004	1,292,790	1,187,108							
12/31/2005	1,201,211								

LOCAL PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	0.779	1.367	0.884	1.007	1.045	1.005	1.209	1.026	0.896	1.272	1.013
12/31/1998	1.424	1.128	0.905	1.098	1.029	0.871	0.987	1.277	1.006	0.997	1.000
12/31/1999	2.509	1.003	0.890	1.090	0.948	0.935	0.998	1.026	0.975	1.000	1.000
12/31/2000	1.650	0.761	1.042	0.962	1.338	0.939	1.084	0.835	1.000	1.000	1.000
12/31/2001	0.889	1.141	1.069	1.000	0.960	1.226	1.019	0.982	1.008	1.366	1.000
12/31/2002	1.124	1.263	1.075	1.348	1.453	1.302	0.963	1.079	1.072	1.050	0.999
12/31/2003	0.905	1.048	1.400	1.301	1.156	1.073	1.111	1.113	1.237	1.097	1.178
12/31/2004	0.548	1.575	1.532	1.242	1.428	0.975	1.465	1.114	1.078	1.191	0.994
12/31/2005	1.363	1.190	1.250	1.102	1.236	1.110	1.001	1.074	1.690	1.104	0.991
12/31/2006	0.954	1.365	1.339	1.208	1.140	0.967	1.031	1.238	1.137	0.913	
12/31/2007	1.475	1.041	0.914	0.951	0.985	1.007	1.165	0.996	0.995		
12/31/2008	0.732	1.515	0.996	1.031	0.995	1.259	1.000	0.987			
12/31/2009	1.012	0.850	0.989	1.001	1.683	1.000	1.380				
12/31/2010	1.018	0.979	1.016	1.353	1.000	1.000					
12/31/2011	1.078	0.921	1.068	0.935	1.032						
12/31/2012	0.865	1.027	1.029	0.951							
12/31/2013	1.071	1.054	1.262								
12/31/2014	1.230	0.987									
12/31/2015	1.136										

3 Yr Mean 1.146 1.023 1.120 1.080 1.238 1.086 1.182 1.074 1.274 1.069 1.054

Best 3/5 1.095 0.998 1.038 0.994 1.009 1.002 1.066 1.061 1.151 1.084 0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.045	1.027	0.977	1.028	1.000	1.000	1.000	1.000			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2001	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2002	0.991	1.001	1.011								
12/31/2003	1.016	0.940									
12/31/2004	0.918										

3 Yr Mean 0.975 0.980 1.004 1.000 1.000 @ 1.000 @ 1.000 @ 1.000 @

Best 3/5 0.997 1.000 1.000 1.000 1.000 \* 1.000 \* 1.000 \* 1.000 \*

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.009	1.002	1.066	1.061	1.151	1.084	0.998
12/31/2013				0.994	1.009	1.002	1.066	1.061	1.151	1.084	0.998
12/31/2014			1.038	0.994	1.009	1.002	1.066	1.061	1.151	1.084	0.998
12/31/2015		0.998	1.038	0.994	1.009	1.002	1.066	1.061	1.151	1.084	0.998
12/31/2016	1.095	0.998	1.038	0.994	1.009	1.002	1.066	1.061	1.151	1.084	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.420
12/31/2013	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.411
12/31/2014	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.465
12/31/2015	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.462
12/31/2016	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.601

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

Allocated Expenses as of:

<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>
12/31/1997	276,948	175,093	353,525	484,554	687,733	803,728	1,019,497	1,117,863	1,130,837	1,252,239	1,320,583
12/31/1998	93,603	143,477	258,898	419,295	524,305	681,129	713,853	694,991	848,370	1,138,690	1,398,101
12/31/1999	188,541	344,283	618,993	782,757	858,064	952,209	1,141,439	1,245,594	1,389,838	1,572,588	1,703,041
12/31/2000	303,570	496,985	722,201	878,051	1,101,037	1,356,903	1,776,754	1,996,270	2,170,596	2,470,894	2,642,564
12/31/2001	216,535	309,054	519,627	758,125	974,729	1,211,299	1,655,782	1,987,186	1,938,171	2,141,414	2,265,679
12/31/2002	181,645	341,083	602,624	957,722	1,088,629	1,220,860	1,310,414	1,383,922	1,445,500	1,642,839	1,833,162
12/31/2003	67,471	688,627	1,100,727	1,269,840	1,426,435	1,459,683	1,516,286	1,619,182	1,692,631	1,794,548	1,878,263
12/31/2004	167,816	324,797	508,119	782,438	906,663	1,081,638	1,113,814	1,135,397	1,166,819	1,175,000	1,234,712
12/31/2005	260,203	362,824	674,254	884,368	958,767	1,055,372	1,121,177	1,244,885	1,239,400	1,238,710	1,243,019
12/31/2006	178,573	417,601	706,797	1,015,689	1,339,711	1,704,775	1,803,005	2,175,843	2,223,719	2,313,659	2,315,254
12/31/2007	434,289	1,006,722	1,413,658	2,157,512	2,507,554	2,952,888	2,986,494	3,205,523	3,275,550	3,255,682	
12/31/2008	455,970	1,055,683	1,606,739	2,787,689	3,791,626	6,002,908	8,505,239	9,929,022	9,914,310		
12/31/2009	684,001	1,192,213	1,337,061	1,369,099	1,526,956	1,598,087	1,911,802	2,093,860			
12/31/2010	235,257	441,591	782,426	1,158,372	1,285,651	1,461,769	1,717,206				
12/31/2011	423,139	774,793	1,166,146	1,554,962	1,874,103	1,885,801					
12/31/2012	272,043	586,000	978,794	1,129,267	1,326,320						
12/31/2013	440,144	599,821	874,329	1,148,333							
12/31/2014	289,115	607,907	942,786								
12/31/2015	437,433	889,161									
12/31/2016	350,376										

<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>
12/31/1997	1,376,572	1,377,742	1,397,896	1,397,896	1,397,896	1,397,896	1,397,896	1,397,896	1,397,896
12/31/1998	1,405,266	1,415,030	1,427,659	1,427,383	1,427,894	1,425,384	1,425,384	1,425,384	
12/31/1999	2,100,349	2,235,293	2,395,830	2,518,468	2,535,514	2,536,240	2,536,302		
12/31/2000	2,791,939	2,904,640	2,970,150	2,916,960	2,941,496	2,966,496			
12/31/2001	2,380,396	2,467,803	2,495,673	2,585,284	2,811,773				
12/31/2002	1,925,053	2,197,675	2,356,517	2,387,504					
12/31/2003	1,938,946	1,958,213	1,981,495						
12/31/2004	1,234,376	1,246,050							
12/31/2005	1,420,020								

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

Increments													
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	-101,855	178,432	131,029	203,179	115,995	215,769	98,366	12,974	121,402	68,344	55,989	1,170	20,154
12/31/1998	49,874	115,421	160,397	105,010	156,824	32,724	-18,862	153,379	290,320	259,411	7,165	9,764	12,629
12/31/1999	155,742	274,710	163,764	75,307	94,145	189,230	104,155	144,244	182,750	130,453	397,308	134,944	160,537
12/31/2000	193,415	225,216	155,850	222,986	255,866	419,851	219,516	174,326	300,298	171,670	149,375	112,701	65,510
12/31/2001	92,519	210,573	238,498	216,604	236,570	444,483	331,404	-49,015	203,243	124,265	114,717	87,407	27,870
12/31/2002	159,438	261,541	355,098	130,907	132,231	89,554	73,508	61,578	197,339	190,323	91,891	272,622	158,842
12/31/2003	621,156	412,100	169,113	156,595	33,248	56,603	102,896	73,449	101,917	83,715	60,683	19,267	23,282
12/31/2004	156,981	183,322	274,319	124,225	174,975	32,176	21,583	31,422	8,181	59,712	-336	11,674	
12/31/2005	102,621	311,430	210,114	74,399	96,605	65,805	123,708	-5,485	-690	4,309	177,001		
12/31/2006	239,028	289,196	308,892	324,022	365,064	98,230	372,838	47,876	89,940	1,595			
12/31/2007	572,433	406,936	743,854	350,042	445,334	33,606	219,029	70,027	-19,868				
12/31/2008	599,713	551,056	1,180,950	1,003,937	2,211,282	2,502,331	1,423,783	-14,712					
12/31/2009	508,212	144,848	32,038	157,857	71,131	313,715	182,058						
12/31/2010	206,334	340,835	375,946	127,279	176,118	255,437							
12/31/2011	351,654	391,353	388,816	319,141	11,698								
12/31/2012	313,957	392,794	150,473	197,053									
12/31/2013	159,677	274,508	274,004										
12/31/2014	318,792	334,879											
12/31/2015	451,728												

Incremental Percentages													
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	-0.0282	0.0494	0.0363	0.0563	0.0321	0.0598	0.0273	0.0036	0.0336	0.0189	0.0155	0.0003	0.0056
12/31/1998	0.0250	0.0579	0.0804	0.0526	0.0786	0.0164	-0.0095	0.0769	0.1456	0.1301	0.0036	0.0049	0.0063
12/31/1999	0.0501	0.0884	0.0527	0.0242	0.0303	0.0609	0.0335	0.0464	0.0588	0.0420	0.1279	0.0434	0.0517
12/31/2000	0.0456	0.0531	0.0367	0.0526	0.0603	0.0990	0.0518	0.0411	0.0708	0.0405	0.0352	0.0266	0.0154
12/31/2001	0.0281	0.0639	0.0724	0.0658	0.0718	0.1349	0.1006	-0.0149	0.0617	0.0377	0.0348	0.0265	0.0085
12/31/2002	0.0683	0.1121	0.1521	0.0561	0.0567	0.0384	0.0315	0.0264	0.0846	0.0815	0.0394	0.1168	0.0681
12/31/2003	0.2115	0.1403	0.0576	0.0533	0.0113	0.0193	0.0350	0.0250	0.0347	0.0285	0.0207	0.0066	0.0079
12/31/2004	0.0550	0.0642	0.0961	0.0435	0.0613	0.0113	0.0076	0.0110	0.0029	0.0209	-0.0001	0.0041	
12/31/2005	0.0248	0.0752	0.0507	0.0180	0.0233	0.0159	0.0299	-0.0013	-0.0002	0.0010	0.0428		
12/31/2006	0.0477	0.0577	0.0616	0.0646	0.0728	0.0196	0.0744	0.0095	0.0179	0.0003			
12/31/2007	0.1065	0.0757	0.1384	0.0651	0.0829	0.0063	0.0408	0.0130	-0.0037				
12/31/2008	0.0865	0.0795	0.1704	0.1448	0.3190	0.3610	0.2054	-0.0021					
12/31/2009	0.1075	0.0306	0.0068	0.0334	0.0150	0.0663	0.0385						
12/31/2010	0.0362	0.0599	0.0660	0.0224	0.0309	0.0449							
12/31/2011	0.0555	0.0617	0.0613	0.0503	0.0018								
12/31/2012	0.0630	0.0788	0.0302	0.0395									
12/31/2013	0.0306	0.0525	0.0524										
12/31/2014	0.0578	0.0607											
12/31/2015	0.0599												

Best 3/5	0.0577	0.0608	0.0480	0.0411	0.0430	0.0436	0.0512	0.0064	0.0069	0.0168	0.0316	0.0199	0.0252
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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>
12/31/1997	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/1998	1.000	1.000	0.998	1.000	1.000	1.000 *	1.000 *
12/31/1999	1.051	1.007	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2000	0.982	1.008	1.008	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2001	1.036	1.088	1.002 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.013						
Best 3/5	1.016	1.005	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.022

<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>
	0.452	0.394	0.334	0.286	0.245	0.202	0.158
<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>
	0.107	0.100	0.094	0.077	0.045	0.025	0.000

A.Y.E	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2014	1,094,430	5,686,667	0.334	1,899,341	2,993,771	1.022	3,059,493
12/31/2015	965,324	7,809,081	0.394	3,076,789	4,042,113	1.022	4,130,884
12/31/2016	426,716	7,293,774	0.452	3,296,788	3,723,504	1.022	3,805,255

\* Calculated Using Modified Bondy Method

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

<u>Item *</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2012 - 2016 Mean</u>
1. Direct Losses Incurred	\$18,480,140	\$18,521,277	\$19,140,390	\$24,110,646	\$25,085,478	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,270,137	\$5,080,420	\$4,727,492	\$5,601,664	\$4,581,304	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$1,892,698	\$2,061,866	\$2,159,178	\$2,371,173	\$2,496,550	
4. Incurred Losses + ALAE [(1) + (2)]	\$23,750,277	\$23,601,697	\$23,867,882	\$29,712,310	\$29,666,781	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.0%	8.7%	9.0%	8.0%	8.4%	8.4%
6. Selected	8.5%					

Notes: All dollar amounts are displayed in thousands.

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

# LOCAL PRODUCTS / COMPLETED OPERATIONS TREND SUMMARY

(1) <u>EXPOSURE TREND</u>	<u>LOCAL PRODUCTS</u>	<u>COMPLETED OPERATIONS</u>	<u>LOCAL PRODUCTS / COMPLETED OPERATIONS COMBINED</u>
Average Annual Percent Change			
a) 7/1/2014 to 7/1/2019 AYE 12/31/2014	+ 1.3%	+ 2.8%	+ 2.6%
b) 7/1/2015 to 7/1/2019 AYE 12/31/2015	+ 1.5%	+ 3.0%	+ 2.8%
c) 7/1/2016 to 7/1/2019 AYE 12/31/2016	+ 2.1%	+ 2.9%	+ 2.8%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 1.9%	+ 3.5%	
Eight Years	+ 1.5%	+ 4.2%	
Six Years	+ 1.1%	+ 7.7%	
b) Selected	+ 2.5%	+ 4.0%	
(3) <u>FREQUENCY TREND</u>			
Selected	+ 0.0%		
(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 12/31/2014, 12/31/2015 & 12/31/2016

(1) YEAR ENDING QUARTER*			(2) LOCAL PRODUCTS CLASS GROUP SALES EXPOSURE INDICES			(3) COMPLETED OPERATIONS CLASS GROUP PAYROLL EXPOSURE INDICES			(1) YEAR ENDING QUARTER*			(2) LOCAL PRODUCTS CLASS GROUP SALES EXPOSURE INDICES			(3) COMPLETED OPERATIONS CLASS GROUP PAYROLL EXPOSURE INDICES		
2006	1		0.957			19.526			2013	1		1.031			24.063		
	2		0.963			19.645				2		1.033			24.139		
	3		0.968			19.803				3		1.034			24.179		
	4		0.973			20.002				4		1.036			24.225		
2007	1		0.978			20.243			2014	1		1.037			24.307		
	2		0.982			20.497				2		1.041			24.414		
	3		0.984			20.718				3		1.044			24.541		
	4		0.986			20.928				4		1.045			24.663		
2008	1		0.984			21.143			2015	1		1.046			24.772		
	2		0.980			21.357				2		1.047			24.918		
	3		0.979			21.604				3		1.048			25.015		
	4		0.981			21.880				4		1.049			25.169		
2009	1		0.988			22.128			2016	1		1.050			25.308		
	2		0.995			22.349				2		1.050			25.475		
	3		0.999			22.502				3		1.049			25.730		
	4		1.000			22.653				4		1.050			25.941		
2010	1		0.996			22.806			2017	1		1.052			26.150		
	2		0.993			22.928				2		1.052			26.308		
	3		0.993			23.080				3P		1.054			26.489		
	4		0.996			23.208				4P		1.055			26.681		
2011	1		0.999			23.312			2018	1P		1.057			26.894		
	2		1.004			23.427				2P		1.062			27.113		
	3		1.009			23.556				3P		1.068			27.295		
	4		1.012			23.638				4P		1.077			27.491		
2012	1		1.016			23.715			2019	1P		1.087			27.694		
	2		1.019			23.794				2P		1.097			27.902		
	3		1.023			23.873				3P		1.107			28.109		
	4		1.027			23.965				4P		1.115			28.310		
CHANGE IN EXPOSURES			LOCAL PRODUCTS			COMPLETED OPERATIONS											
7/1/2014 to 7/1/2019			(2019:4/2014:4)			1.067			1.148								
7/1/2015 to 7/1/2019			(2019:4/2015:4)			1.063			1.125								
7/1/2016 to 7/1/2019			(2019:4/2016:4)			1.063			1.091								
AVERAGE ANNUAL TREND FACTOR																	
7/1/2014 to 7/1/2019			( 5.0 YRS )			1.013			1.028								
7/1/2015 to 7/1/2019			( 4.0 YRS )			1.015			1.030								
7/1/2016 to 7/1/2019			( 3.0 YRS )			1.021			1.029								

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

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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
12/31/2007	\$39,711,106	1,624	\$24,453		\$25,691		
12/31/2008	40,125,244	1,496	26,822		26,168		
12/31/2009	40,025,039	1,578	25,364		26,653	\$27,095	
12/31/2010	49,711,859	1,695	29,329		27,147	27,492	
12/31/2011	45,171,066	1,578	28,626		27,650	27,895	\$28,185
12/31/2012	42,978,587	1,523	28,220		28,163	28,304	28,483
12/31/2013	46,577,567	1,629	28,593		28,685	28,719	28,784
12/31/2014	41,538,760	1,412	29,418		29,217	29,140	29,088
12/31/2015	32,968,872	1,171	28,154		29,759	29,567	29,395
12/31/2016	30,310,553	988	30,679		30,311	30,001	29,705

Goodness of Fit Statistic, R-Squared: 0.636 0.421 0.362

Average Annual Severity Trend (10 yr) + 1.9%

Average Annual Severity Trend ( 8 yr) + 1.5%

Average Annual Severity Trend ( 6 yr) + 1.1%

Selected Annual Severity Trend + 2.5%

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

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

(See Section B - Explanation of Trend Calculation).

# OCCURRENCE SEVERITY TREND

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

### Property Damage

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Paid <u>Occurrences</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2007	\$162,859,717	5,614	\$29,010	\$27,861		
12/31/2008	187,411,113	6,393	29,315	28,827		
12/31/2009	202,383,225	6,162	32,844	29,826	\$28,888	
12/31/2010	189,323,631	6,300	30,051	30,860	30,102	
12/31/2011	165,611,714	6,031	27,460	31,929	31,366	\$28,303
12/31/2012	168,565,382	5,338	31,578	33,036	32,684	30,471
12/31/2013	147,563,042	4,550	32,431	34,181	34,058	32,806
12/31/2014	150,892,903	4,119	36,633	35,365	35,489	35,319
12/31/2015	149,995,453	4,065	36,899	36,591	36,980	38,025
12/31/2016	153,544,465	3,752	40,923	37,859	38,533	40,939
Goodness of Fit Statistic, R-Squared:				0.672	0.627	0.954
Average Annual Severity Trend (10 yr)				+ 3.5%		
Average Annual Severity Trend ( 8 yr)				+ 4.2%		
Average Annual Severity Trend ( 6 yr)				+ 7.7%		
Selected Annual Severity Trend				+ 4.0%		

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

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

(See Section B - Explanation of Trend Calculation).

LOCAL PRODUCTS/COMPLETED OPERATIONS

FREQUENCY TREND  
MULTISTATE

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

Bodily Injury and Property Damage Combined

(1) Accident Year <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>
12/31/2003	\$ 281,552,759	7,429	26.38
12/31/2004	291,285,608	8,131	27.91
12/31/2005	320,725,495	7,886	24.59
12/31/2006	342,598,346	8,439	24.63
12/31/2007	341,644,969	8,390	24.56
12/31/2008	331,317,722	8,874	26.78
12/31/2009	301,781,349	8,695	28.81
12/31/2010	287,667,011	8,923	31.02
12/31/2011	294,292,796	8,661	29.43
12/31/2012	315,415,460	8,749	27.74
12/31/2013	322,496,477	8,397	26.04
12/31/2014	333,744,160	8,115	24.32
12/31/2015	345,720,704	7,789	22.53
12/31/2016	353,178,141	7,259	20.55

Selected Annual Frequency Trend: 0.0%

<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)

\*Note: The latest year of ALCCL in this filing reflects the full implementation of monoline/multiline data versus the prior filing.

## CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

### Explanatory Notes (Cont'd)

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

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

$\bar{X}_i$  = 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" equals the selected state monoline loss cost level change.

The off balance factor of 0.994 results from capping.

\*Note: The latest year of ALCCL in this filing reflects the full implementation of monoline/multiline data versus the prior filing.

## CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

### Explanatory Notes (Cont'd)

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

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 01

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* .905 \* .829

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
10100	242680	1104832	.54675	.3744	.665	.811	.608	-36.6	.082	.052	L
10145	133114	899381	.16987	.3354	.546	.666	.500	-33.3	.018	.012	L
10146	59215	427161	.43688	.2242	.669	.816	.612	-36.7	.030	.019	L
10352	76020	307822	.33121	.1899	.659	.804	.603	-36.7	.139	.088	L
11039	538300	2480791	.88189	.5510	.816	.995	.746	-25.3	.091	.068	
11258	91285	190371	.12853	.1531	.643	.784	.588	-35.8	.530	.340	L
11259	1961	3420	.00000	.0870	.672	.820	.615	-36.9	.360	.227	L
11288	121590	596095	.88913	.2680	.777	.948	.711	-28.7	.122	.087	
12374	365300	1238653	.58269	.3975	.675	.823	.617	-36.9	.111	.070	L
12375	241228	930708	.51273	.3417	.659	.804	.603	-36.6	.093	.059	L
13673	422822	2431855	.96723	.5465	.862	1.051	.789	-18.8	.016	.013	
13720	51808	300416	.37197	.1877	.667	.813	.610	-36.1	.108	.069	L
14401	91340	326128	.73252	.1953	.735	.896	.672	-32.7	.211	.142	
15224	156962	689690	.93016	.2902	.792	.966	.725	-27.7	.101	.073	
16900	1256447	4234761	.78593	.6698	.769	.938	.704	-29.7	.202	.142	
16901	3465267	12291415	1.05720	.8510	1.009	1.230	.923	-7.8	.180	.166	
16902	212334	1032074	.59971	.3612	.687	.838	.629	-36.5	.126	.080	L
16905								-29.7	.202	.142	
16906								-7.8	.180	.166	
16910	4096198	16350786	.80670	.8832	.798	.973	.730	-26.9	.093	.068	
16911	286669	1201077	.88579	.3912	.794	.968	.726	-27.6	.098	.071	
16915	139599	721030	1.07366	.2974	.836	1.020	.765	-23.5	.085	.065	
16916	2135422	8154549	.70815	.7925	.714	.871	.653	-34.8	.115	.075	
16920	24098	121720	.88376	.1300	.755	.921	.691	-30.6	.186	.129	
16921	2340	10368	.00000	.0897	.670	.817	.613	-36.9	.103	.065	L
16930	118690	397652	1.36077	.2160	.871	1.062	.797	-20.5	.244	.194	
16931	78124	160507	.14811	.1432	.651	.794	.596	-36.4	.143	.091	L
16940	1182	6876	.00000	.0883	.671	.818	.614	-36.9	.103	.065	L
16941	44660	148643	.19015	.1392	.660	.805	.604	-36.7	.221	.140	L
18435	337268	1840585	.93621	.4831	.833	1.016	.762	-23.2	.069	.053	
18436	34745	148508	.27391	.1391	.671	.818	.614	-36.8	.370	.234	L
18501	813272	3298274	.70684	.6155	.718	.876	.657	-36.0	.025	.016	
45900	102564	542277	.00000	.2546	.548	.668	.501	-36.8	.106	.067	L
49617	837930	2831259	1.06618	.5811	.928	1.132	.849	-15.0	.260	.221	
57001	36302	180388	2.39489	.1498	.984	1.200	.900	-8.7	.023	.021	

X-TILDE: .821 X-TILDE (MONOLINE): .820 PI-TILDE: .0050174  
 TAU SQUARED: .03000 SIGMA SQUARED: 71811.72971

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

## LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.001 \* .829

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
10026	7980	51665	1.89428	.0922	.990	1.043	.866	-12.5	.024	.021	
10042	2203125	7080456	1.09661	.8481	1.066	1.123	.932	-5.9	.510	.480	
10060	6687	23287	.00000	.0735	.832	.877	.728	-27.1	.118	.086	
10065	42723	248202	.10774	.2030	.738	.778	.646	-35.7	.056	.036	
10066	6664	23978	4.43202	.0740	1.159	1.221	1.013	1.5	.066	.067	
10071	732860	3763833	.90703	.7497	.905	.954	.792	-20.8	.120	.095	
10073	13758822	49487044	.95071	.9748	.949	1.000	.830	-16.7	.660	.550	
10075	1847	23601	.09067	.0738	.838	.883	.733	-26.8	.250	.183	
10107	103051	496210	.57130	.3094	.797	.840	.697	-30.3	.300	.209	
10115	106870	435529	.49496	.2861	.783	.825	.685	-31.1	.119	.082	
10309	44433	224545	.16001	.1911	.757	.798	.662	-32.3	.031	.021	
11020	9571	46570	18.50331	.0889	2.463	2.595	2.153	25.0	.120	.150	U
11127	148935	773967	.49374	.3993	.737	.777	.645	-31.3	.016	.011	L
11128	35191	181997	1.64101	.1688	1.023	1.078	.895	-10.0	.080	.072	
11204	34474	159836	1.43761	.1567	.983	1.036	.860	-13.9	2.080	1.790	
11234	45655	224340	.35574	.1910	.794	.837	.695	-30.4	.102	.071	
12014	37090	253242	.05449	.2055	.725	.764	.634	-35.8	.067	.043	L
12356	17155	93346	.14522	.1182	.809	.852	.707	-30.2	.043	.030	
12510	11306	57630	.00000	.0960	.812	.856	.710	-28.9	.045	.032	
12805	1104540	5579651	1.11128	.8152	1.072	1.130	.938	-6.4	.140	.131	
13351	774740	4635706	1.20547	.7861	1.140	1.201	.997	0.0	.042	.042	
13352	23479	75492	.33635	.1072	.838	.883	.733	-27.0	.074	.054	
13506	151486	654703	.93026	.3637	.910	.959	.796	-20.2	.104	.083	
13507	156757	424020	.86104	.2815	.888	.936	.777	-22.4	.250	.194	
13716	1104854	5119152	.87699	.8021	.881	.928	.770	-22.9	.179	.138	
13759	44695	147150	.01922	.1496	.766	.807	.670	-33.1	.260	.174	
14101	19055	104002	.80939	.1246	.887	.935	.776	-22.4	.049	.038	
14279	264218	1326239	.17813	.5227	.522	.550	.456	-36.4	.118	.075	L
14913	102523	349968	1.25429	.2504	.987	1.040	.863	-13.7	.168	.145	
15538	26907	169906	.11785	.1623	.771	.812	.674	-32.1	.028	.019	
15600	6321	39217	.00000	.0841	.822	.866	.719	-28.2	.142	.102	
15608	2473	18832	.00000	.0706	.835	.880	.730	-25.0	.016	.012	
15839	29551	188006	.11440	.1720	.763	.804	.667	-33.3	.042	.028	
15991	62125	343606	.55692	.2476	.814	.858	.712	-29.1	.117	.083	
15993	12875	62501	1.94733	.0991	1.002	1.056	.876	-12.1	.058	.051	
16403	114602	561795	.39196	.3330	.729	.768	.637	-36.5	.203	.129	
16676	2050	13644	.00447	.0670	.838	.883	.733	-25.0	.020	.015	

X-TILDE: .939 X-TILDE (MONOLINE): .949 PI-TILDE: .0026908  
 TAU SQUARED: .14264 SIGMA SQUARED: 194160.73471

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



## LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.001 \* .829

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
18078	91848	550925	1.75756	.3292	1.181	1.244	1.032	3.0	.165	.170	
18109	755	3985	.00000	.0604	.844	.889	.738	-26.0	.050	.037	
18110	162883	581934	.39153	.3399	.726	.765	.635	-35.7	.070	.045	L
18206	514128	2929357	1.01673	.7010	.981	1.034	.858	-14.0	.107	.092	
18335	14175	104812	.06048	.1251	.793	.836	.694	-32.1	.028	.019	
18506	97	385	.00000	.0580	.846	.891	.739	-25.0	.008	.006	
18507	1727	12995	.00000	.0666	.838	.883	.733	-25.0	.012	.009	
18708	13490	58457	.93852	.0965	.902	.950	.788	-20.0	.015	.012	
18834	9490	50396	.00000	.0913	.816	.860	.714	-28.6	.185	.132	
18911	8492	65652	.18601	.1010	.826	.870	.722	-29.6	.027	.019	
18912	1653	6278	1.39599	.0620	.929	.979	.812	-19.5	.041	.033	
18920	887	20608	.00000	.0717	.834	.879	.729	-28.6	.028	.020	
45819	765029	4330772	.66443	.7747	.717	.756	.627	-36.0	.075	.048	L
49618	636	3237	.00000	.0599	.844	.889	.738	-26.7	.075	.055	
49619	192202	887519	1.11937	.4296	.993	1.046	.868	-13.1	.107	.093	

X-TILDE: .939 X-TILDE (MONOLINE): .949 PI-TILDE: .0026908  
 TAU SQUARED: .14264 SIGMA SQUARED: 194160.73471

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 U - CAPPED UP  
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 E - SUBJECT TO CAPPING EXCEPTION

## LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 11

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.006 \* .829

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
92053	0	0	.00000	.0000	.000	.000	.000	-16.9	.710	.590
92054	0	23	.00000	.1250	.762	.871	.726	-28.6	.420	.300
92055	1912	5960	.00000	.1256	.761	.870	.726	-26.7	.450	.330
95124	797295	4868103	.75676	.4454	.820	.937	.781	-22.0	.910	.710
98303	148268	500895	1.32941	.1741	.951	1.087	.907	-9.6	11.400	10.300
98304	4335753	13556892	.92455	.6646	.907	1.037	.865	-13.5	5.130	4.440
98305	4078971	13224887	.96847	.6594	.935	1.069	.892	-10.8	2.120	1.890
98306	57511	128104	.08971	.1381	.763	.872	.727	-27.3	1.650	1.200
98307	3095	13271	.18612	.1264	.784	.896	.747	-25.3	.950	.710
98308	367083	1588113	1.66180	.2638	1.080	1.234	1.029	2.6	.760	.780
98309	67078	198615	.20264	.1451	.774	.885	.738	-26.2	4.840	3.570
98344	75778	305562	.88961	.1556	.874	.999	.833	-17.2	.870	.720
98449	3179500	9307611	1.06182	.5842	.982	1.122	.936	-6.3	30.300	28.400
98805	390028	1393192	.50745	.2491	.780	.891	.743	-25.7	1.910	1.420
98813	702353	2313567	1.09311	.3135	.941	1.075	.897	-10.2	3.320	2.980
98967	2222664	6608153	.71737	.5096	.793	.906	.756	-24.4	11.600	8.770
99003	48341	175115	3.89122	.1428	1.302	1.488	1.241	23.8	1.430	1.770
99826	47237	221634	.53260	.1474	.821	.938	.782	-21.5	.790	.620
99827	131281	600510	.32760	.1832	.771	.881	.735	-26.7	.860	.630
99948	5226474	15611786	.84818	.6933	.855	.977	.815	-18.4	41.300	33.700
99952	636353	1697613	1.22019	.2717	.966	1.104	.921	-7.7	24.600	22.700
99953	400784	1206812	.84830	.2346	.866	.990	.826	-17.4	15.500	12.800
99954	270596	877864	1.13265	.2076	.925	1.057	.882	-11.7	16.300	14.400
99955	2147899	7651393	.40225	.5414	.617	.705	.588	-36.8	21.200	13.400

L

X-TILDE: .877 X-TILDE (MONOLINE): .875 PI-TILDE: .0073666  
 TAU SQUARED: .03000 SIGMA SQUARED: 252806.36114

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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 \* 1.012 \* .829

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
91111	2993679	12358249	.93564	.5428	.889	1.034	.867	-13.3	7.680	6.660
91150	2030192	6761910	.86902	.4029	.848	.986	.827	-17.3	8.160	6.750
91155	8853586	24049248	.97095	.6931	.929	1.080	.906	-9.4	51.100	46.300
91340	36443951	104515618	.84938	.9059	.848	.986	.827	-17.6	13.100	10.800
91341	12437224	37296620	.96654	.7763	.937	1.090	.914	-8.5	5.290	4.840
91342	17136279	54900693	.91947	.8356	.905	1.052	.883	-11.7	5.720	5.050
91343	432969	1783031	1.45075	.1796	.944	1.098	.921	-7.7	1.550	1.430
91436	431524	1713506	.56507	.1752	.786	.914	.767	-23.2	3.840	2.950
91507	89788	302090	.02523	.0768	.771	.897	.753	-24.8	6.300	4.740
91551	1495198	6208553	.57600	.3843	.734	.853	.716	-28.2	1.170	.840
91555	334532	1154448	.18926	.1389	.744	.865	.726	-27.3	1.760	1.280
91560	18594881	58729699	.96570	.8446	.945	1.099	.922	-7.8	6.540	6.030
91577	2429957	8885829	.67293	.4650	.759	.883	.741	-26.0	4.660	3.450
91746	4414773	18435814	.75001	.6356	.780	.907	.761	-23.9	7.060	5.370
92101	805414	3081050	.99170	.2525	.873	1.015	.852	-14.7	3.800	3.240
92102	849162	3525614	.78485	.2745	.820	.953	.800	-20.0	4.390	3.510
92215	14782844	47113488	.94381	.8138	.923	1.073	.900	-10.0	4.820	4.340
92338	6095905	19250307	.97078	.6452	.922	1.072	.899	-10.1	2.580	2.320
92446	351609	1747527	.55512	.1774	.784	.912	.765	-23.5	3.060	2.340
92447	68242	351929	.05095	.0807	.770	.895	.751	-24.9	2.730	2.050
92451	2847798	13974522	.94202	.5718	.896	1.042	.874	-12.7	2.670	2.330
92478	25229428	94824005	.89096	.8973	.885	1.029	.863	-13.5	2.590	2.240
94007	16241015	46910515	.73884	.8131	.757	.880	.738	-26.2	8.650	6.380
94276	2630612	9283341	.84790	.4753	.840	.977	.820	-18.0	7.210	5.910
94569	3132328	12946848	.78339	.5538	.806	.937	.786	-21.3	4.130	3.250
95410	8910999	29393417	.95271	.7331	.921	1.071	.899	-10.2	3.920	3.520
95455	1706099	6105620	.68443	.3807	.777	.903	.758	-24.1	2.740	2.080
95505	149258	584471	.04835	.0984	.756	.879	.737	-26.4	3.640	2.680
95625	1806836	6451646	.87320	.3926	.849	.987	.828	-17.1	4.730	3.920
95647	34996455	149714558	.87364	.9323	.871	1.013	.850	-15.0	6.660	5.660
96053	899238	2642410	.70754	.2293	.805	.936	.785	-21.5	7.580	5.950
96410	2506671	8705911	.78429	.4603	.811	.943	.791	-20.9	13.400	10.600
96611	355656	1238102	1.98136	.1445	.999	1.162	.975	-2.6	1.890	1.840
97447	10920395	35585755	.87716	.7682	.867	1.008	.846	-15.3	6.260	5.300
97650	715030	2316117	.65672	.2111	.796	.926	.777	-22.3	6.330	4.920
97651	551902	1461851	.54292	.1593	.787	.915	.768	-23.1	6.610	5.080
97652	93332	311684	.18957	.0776	.783	.910	.763	-23.8	6.820	5.200

X-TILDE: .859 X-TILDE (MONOLINE): .860 PI-TILDE: .0032943  
 TAU SQUARED: .03000 SIGMA SQUARED: 345782.66483

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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 \* 1.012 \* .829

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
97653	961239	3054647	1.04822	.2511	.887	1.031	.865	-13.5	3.710	3.210
97654	134872	575377	.43429	.0977	.794	.923	.774	-22.7	4.580	3.540
97655	2706586	7618159	.68450	.4296	.769	.894	.750	-24.9	9.100	6.830
98002	197446	563232	.00000	.0968	.753	.876	.735	-26.4	1.780	1.310
98482	40786342	137289384	.84244	.9266	.842	.979	.821	-17.9	11.600	9.520
98483	49425231	157305085	.86239	.9353	.861	1.001	.840	-15.8	27.800	23.400
98502	538407	1946182	.85496	.1895	.838	.974	.817	-18.3	5.570	4.550
98636	2778406	10451421	.94860	.5032	.891	1.036	.869	-13.0	5.070	4.410
98677	7871606	24400713	.72664	.6961	.759	.883	.741	-26.1	16.500	12.200
98678	4924483	15193455	.74831	.5913	.783	.910	.763	-23.5	23.400	17.900
98806	960761	3991573	.69835	.2963	.793	.922	.774	-22.7	4.940	3.820
98820	5198223	17449555	.71332	.6232	.759	.883	.741	-26.0	6.200	4.590
98884	2830783	10562965	.74569	.5057	.789	.917	.769	-23.2	2.460	1.890
99004	57090	201117	.98270	.0689	.844	.981	.823	-17.6	2.720	2.240
99080	1422295	4051250	1.26807	.2990	.963	1.120	.940	-5.6	10.800	10.200
99315	1587360	5854899	.67712	.3718	.775	.901	.756	-24.5	2.770	2.090
99321	3266869	12259858	.80462	.5409	.818	.951	.798	-20.2	3.920	3.130
99613	2034128	7457116	.72780	.4248	.789	.917	.769	-23.1	3.850	2.960
99650	773607	3025828	1.05060	.2496	.888	1.033	.867	-13.0	1.230	1.070
99746	4405942	16136920	.76505	.6053	.792	.921	.773	-22.8	3.990	3.080

X-TILDE: .859 X-TILDE (MONOLINE): .860 PI-TILDE: .0032943  
 TAU SQUARED: .03000 SIGMA SQUARED: 345782.66483

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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 \* .931 \* .829

CLASS	AYE 2016 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
91125	89177	192269	.05276	.1529	.525	.760	.587	-36.9	5.860	3.700	L
91127	1810800	7815806	.62044	.6839	.617	.893	.689	-31.3	2.910	2.000	
91235	760700	3637788	.75045	.5184	.683	.988	.763	-23.6	3.940	3.010	
91265	57985	272391	.00674	.1676	.509	.737	.569	-36.9	6.510	4.110	L
91266	323568	1213434	.33287	.3084	.525	.760	.587	-36.9	1.870	1.180	L
91280	22994	113203	.00000	.1378	.526	.761	.587	-36.9	5.960	3.760	L
94381	4282468	13601157	.69623	.7858	.678	.981	.757	-24.2	28.100	21.300	
94404	150095	442945	.39595	.1972	.568	.822	.634	-36.6	11.000	6.970	
95310	866715	2971454	.26415	.4746	.446	.645	.498	-36.9	3.550	2.240	L
96408	2488109	8131147	.59329	.6919	.599	.867	.669	-33.2	25.900	17.300	
96409	3271988	10802975	.93986	.7462	.856	1.239	.956	-4.5	15.500	14.800	
97221	1747515	7629751	.55527	.6790	.573	.829	.640	-36.0	2.110	1.350	
97222	7026365	29512694	.65677	.8864	.652	.944	.729	-27.0	3.920	2.860	
97223	4851166	17925810	.85101	.8274	.809	1.171	.904	-9.7	4.640	4.190	
98152	630342	2734585	.95966	.4570	.770	1.114	.860	-13.8	.580	.500	
98157	142073	851921	.60215	.2604	.608	.880	.679	-31.5	.730	.500	
98163	10472	64596	.00000	.1283	.532	.770	.594	-35.3	.510	.330	L
98164	44327	147054	.00000	.1443	.522	.755	.583	-37.0	.173	.109	L
98659	559	2963	.00000	.1160	.540	.781	.603	-36.8	.950	.600	L
98914	729	2342	.00000	.1159	.540	.781	.603	-36.9	1.410	.890	L
98949	3155	12747	.00000	.1180	.538	.779	.601	-35.8	.810	.520	L
98993	2062714	9241629	.61037	.7170	.610	.883	.681	-31.9	7.360	5.010	
99163	1690	7114	.00000	.1168	.539	.780	.602	-36.3	1.130	.720	L
99803	24413	136088	.49614	.1422	.594	.860	.664	-33.3	16.200	10.800	
99946	3985454	14568291	.76061	.7967	.730	1.056	.815	-18.5	4.430	3.610	
99969	1056188	3994473	.92502	.5390	.780	1.129	.871	-13.0	3.470	3.020	

X-TILDE: .703 X-TILDE (MONOLINE): .691 PI-TILDE: .0069035  
 TAU SQUARED: .03000 SIGMA SQUARED: 130394.21986

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OREGON GL-2018-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 LEVEL CHANGES** The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	-10.8%	- 5.0%
OL&T	+ 4.6%	0.0%
Premises/Operations	- 3.8%	- 2.7%
Products	- 8.2%	- 8.2%
Local Products/Completed Operations	-16.6%	-16.6%
Products/Completed Operations	-14.7%	-14.7%
GL Overall	- 7.7%	- 7.0%

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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 except for Manufacturers and Contractors and Owners, Landlords and Tenants where changes of -5.0% and 0.0% have been selected respectively to temper the effect of the experience for the latest year and to avoid swings in loss costs.

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**CHANGES TO METHODOLOGY** When calculating the statewide loss cost level change indication, the expected experience ratio no longer includes the selected change from the last review divided by the implemented change.

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

ISO reporting companies' voluntary experience.  
Fiscal - accident year data through year ended 6/30/2017 for Premises/Operations.  
Calendar - accident year data through year ended 12/31/2016 for Products/Completed Operations.

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

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

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## CALL TO CALL COMPARISON

### Manufacturers and Contractors

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 10.6%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 0.3% increase in ALCCL;
- Implemented loss cost level change (- 13.2%);
- A change in exposure trend plus an additional year of trending (+ 2.6%);
- The effect on ALCCL due to a change in average IPMFs (- 0.1%).

The Basic Limit Experience Ratios (BLERs) increased in 2015 (+33.9%) and 2016 (+35.8%). 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) decreased by an average of 4.8%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused an 2.3% increase in ALCCL;
- Implemented loss cost level change (- 7.1%);
- A change in exposure trend plus an additional year of trending (+ 0.3%).

The BLER increased in 2016 (+26.4%). This is mainly due to unfavorable experience across several class groups.

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### Products

Multistate ALCCL decreased by an average of 7.0% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in company mix which caused a 1.2% decrease in ALCCL;
- Implemented an average loss cost level change of approximately - 8.5% in most states;
- A change in exposure trend plus an additional year of trending of + 1.8%;
- The effect on ALCCL due to a change in average IPMFs (+ 1.3%).

The BLERs increased mainly due to the implemented average loss cost level change.

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CALL TO CALL  
COMPARISON  
(Cont'd)

Local Products/  
Completed Ops

Multistate ALCCL decreased by an average of 9.6% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in the companies mix which caused a 6.2% decrease in ALCCL;
- Implemented an average loss cost level change of approximately -5.9% in most states;
- A change in exposure trend plus an additional year of trending of + 2.9%;
- The effect on ALCCL due to a change in average IPMFs (- 1.6%).

The BLERs increased mainly due to the implemented average loss cost level change.

LATEST CALL  
YEAR TO YEAR  
COMPARISON

Manufacturers and  
Contractors

The ALCCL increased from 2013 to 2017.

The high BLER for 2013 (1.119) is attributable to unfavorable experience in several class groups. The low BLERs for 2015 (0.850) and 2017 (0.659) are attributable to favorable experience in several class groups.

Owners, Landlords  
and Tenants

The ALCCL increased from 2013 to 2017.

The low BLER for 2013 (0.707) is attributable to favorable experience in several class groups. The high BLERs for 2014 (1.139) and 2017 (1.303) are attributable to unfavorable experience in several class groups.

Products

The ALCCL increased steadily from 2012 to 2016.

The BLER decreased steadily from 2012 to 2016.

Local Products/  
Completed Ops

The ALCCL increased steadily from 2012 to 2016.

The BLER decreased steadily from 2012 to 2016.



LOSS  
DEVELOPMENT  
FACTOR  
COMPARISON

Manufacturers and  
Contractors

The BI indemnity loss development factors for the 2018 review remained stable compared to those in the 2017 review, except for the 27 months-to-ultimate factor which increased by 10.0%. This can largely be attributed to a higher 27-to-39 months state link ratio. The PD indemnity loss development factors for the 2018 review remained stable compared to those in the 2017 review.

The multistate full coverage BI and PD indemnity factors remained stable compared to the 2017 review.

The multistate deductible coverage BI and PD indemnity factors remained stable compared to the 2017 review.

The multistate Fringe indemnity factors have increased compared to the 2017 review.

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Owners, Landlords  
and Tenants

The BI and PD indemnity loss development factors for the 2018 review remained stable compared to those in the 2017 review.

The multistate full coverage BI and PD Indemnity factors remained stable compared to those in the 2017 review.

The multistate deductible coverage BI and PD Indemnity factors remained stable compared to the 2017 review.

The multistate Fringe indemnity factors remained stable compared to the 2017 review.

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Products

The multistate full coverage BI and PD indemnity development factors for the 2018 review remained stable compared to those in the 2017 review.

The multistate deductible coverage BI and PD indemnity development factors have decreased compared to the 2017 review. The fluctuations in these factors are due to the low volume of the deductible coverage data.

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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 have decreased compared to those in the 2017 review. The multistate deductible coverage BI indemnity development factors have increased compared to the 2017 review for the latest four years. The earlier years remained stable. The multistate deductible coverage PD indemnity development factors have decreased compared to the 2017 review. The fluctuations in these factors are due to the low volume of the deductible coverage data.

For Completed Operations, the full coverage BI indemnity loss development factors for the 2018 review remained stable compared to those in the 2017 review, except for the 27, 39, 51 and 63 months-to-ultimate factors which decreased by 19.2%, 15.5%, 14.5% and 13.8% respectively. This can largely be attributed to a lower 75-to-87 months state link ratio. The full coverage PD indemnity loss development factors for the 2018 review remained stable compared to those in the 2017 review.

The Completed Operations multistate full coverage BI indemnity factors have decreased compared to those in the 2017 review except for the second to last year, which remained stable. The multistate full coverage PD indemnity factors have decreased compared to those in the 2017 review. The multistate deductible coverage BI indemnity factors have decreased compared to those in the 2017 review. The multistate deductible coverage PD indemnity factors remained stable compared to those in the 2017 review.

One might expect PD development to be higher due to the Montrose decision in California. In response to the Montrose decision, ISO has introduced revised wording into the CGL policy to better define the concept of known loss. This revision represents neither a broadening nor a restriction in coverage from the original intent, however, it may result in the shifting of coverage, under certain circumstances, between an insured's current policy and past or future policies.

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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	The BI severity trend selection is +4.5%, up from +4.0% in the previous Fiscal review.
		The PD severity trend selection is +4.0%, unchanged from +4.0% in the previous Fiscal review.
		The Fringe severity trend selection is +0.5%, down from +1.0% in the previous Fiscal review.
	<hr/>	
	Owners, Landlords and Tenants	The BI severity trend selection is +4.0%, down from +4.5% in the previous Fiscal review.
		The PD severity trend selection is +4.5%, unchanged from +4.5% in the previous Fiscal review.
		The Fringe severity selection is +2.5%, down from +4.5% in the previous Fiscal review.
	<hr/>	
	Products	The BI severity trend selection is +2.5%, unchanged from +2.5% in the previous review.
		The PD severity trend selection is +6.5%, unchanged from +6.5% in the previous review.
	<hr/>	
	Local Products/ Completed Ops	The BI severity trend selection is +2.5%, down from +3.0% in the previous review.
		The PD selected severity trend is +4.0%, unchanged from +4.0% in the previous review.
	<hr/>	

FREQUENCY  
TREND  
COMPARISON

We have selected a frequency trend of -0.5% for Manufacturers & Contractors, -1.5% for Owners, Landlords and Tenants, -1.0% for Products, and 0.0% for Local Products/Completed Operations. This is consistent with our conservative approach toward frequency trend selections. This conservatism reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

Manufacturers and  
Contractors

The latest frequency point is lower than the prior point.

Owners, Landlords  
and Tenants

The latest frequency point is higher than the prior point.

Products

The latest frequency point is lower than the prior point.

Local Products/  
Completed Ops

The latest frequency point is lower than the prior point.

EXPOSURE  
TREND  
COMPARISON

Manufacturers and  
Contractors

The exposure trend factors for Manufacturers are higher than those used in the previous review for the latest two years. The earliest year's factor remained the same. The exposure trend factors for Contractors are higher than those used in the previous review all three years.

Owners, Landlords  
and Tenants

The exposure trend factors for Class Groups 1-13 are lower than those used in the previous review for all three years. For Class Group 16, the exposure trend factors for the earliest two years are higher than the previous review and remains the same for the latest year.

Products

The exposure trend factors are higher than those used in the previous review all three years.

Local Products/  
Completed Ops

The exposure trend factors for Local Products are higher than those used in the previous review for all three years. The exposure trend factors for Completed Operations are higher than those used in the previous review for the earliest two years and the same for the latest year.

WEIGHTED AVERAGE IMPLICIT PACKAGE MODIFICATION FACTOR (IPMF) COMPARISON	Manufacturers and Contractors	The current weighted average IPMF is 0.867. In the 2017 review the weighted average IPMF was 0.867.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.840. In the 2017 review the weighted average IPMF was 0.842.
	Products	The current multistate weighted average IPMF is 0.815. In the 2017 review the multistate weighted average IPMF was 0.799.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.980. In the Group 3, 2017 review the multistate weighted average IPMF was 0.999.
The IPMF's are applied to the multiline ALCCL.		
CLASS GROUP/ TERRITORY/ STATE RELATIVE CHANGE	The class group relative changes for Manufacturers and Contractors vary within reasonable limits.	
	The class group and territory relative changes for Owners, Landlords and Tenants vary within reasonable limits.	
	For Local Products, Oregon's state balanced relative change (0.927) ranks 3rd lowest overall. In last year's review, Oregon's state balanced relative change (0.959) ranked 9th lowest overall.	
CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average increase of 0.3% in the total statewide ALCCL.	
	For Owners, Landlords and Tenants, the change in company mix results in an average increase of 2.3% in the total statewide ALCCL.	
	For Products, the change in company mix results in a 1.2% decrease in the total multistate ALCCL.	
	For Local Products/Completed Operations, the change in company mix results in a 6.2% decrease in the total multistate ALCCL.	

\$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	.104	.224	10205	.178	—	11210	2.37	—	13207	(a)	(a)
10015	4.59	—	10220	3.34	—	11211	12.30	—	13208	(a)	(a)
10020	(a)	(a)	10255	.248	.152	11212	1.87	—	13314	.085	.02
10026	.46	.021	10256	.91	.158	11213	1.52	—	13351	.207	.042
10036	.67	(a)	10257	.171	.187	11214	3.75	—	13352	.211	.054
10040	.079	.30	10309	.115	.021	11222	.063	—	13410	1.43	2.55
10042	.26	.48	10315	.27	(a)	11234	.20	.071	13411	(a)	(a)
10052	3.18	—	10331	6.23	—	11248	.047	.022	13412	.48	1.11
10054	2.82	—	10332	10.70	—	11258	.52	.34	13453	.56	(a)
10060	.126	.086	10352	.25	.088	11259	.56	.227	13454	.65	(a)
10065	.189	.036	10367	3.17	—	11273	9.90	—	13455	.66	(a)
10066	.192	.067	10368	4.64	—	11274	9.50	—	13461	(a)	(a)
10070	.06	.141	10375	(a)	—	11288	.64	.087	13506	.65	.083
10071	.226	.095	10378	6.30	—	12014	.102	.043	13507	.78	.194
10072	3.59	—	10379	2.93	—	12356	.84	.03	13590	.49	.77
10073	1.04	.55	10380	5.00	—	12361	.068	.091	13621	.124	.42
10075	7.73	.183	10381	4.33	—	12362	.066	(a)	13670	.038	.013
10100	.43	.052	11007	1.35	—	12373	.025	.031	13673	.39	.013
10101	.17	.191	11020	.215	.15	12374	.44	.07	13715	.066	.151
10105	1.84	—	11039	.91	.068	12375	.215	.059	13716	.32	.138
10107	3.19	.209	11052	3.32	—	12391	.049	.10	13720	.222	.069
10110	15.60	—	11101	(a)	(a)	12393	.28	(a)	13759	.126	.174
10111	.131	.098	11120	(a)	—	12467	.118	(a)	13930	.14	.205
10113	.26	—	11126	.044	.024	12509	.062	.047	14068	.028	.018
10115	.51	.082	11127	.33	.011	12510	.79	.032	14101	.33	.038
10117	4.56	—	11128	.45	.072	12583	.35	(a)	14279	.47	.075
10119	(a)	—	11138	1.56	—	12651	1.02	.56	14401	.52	.142
10120	10.20	—	11155	.152	—	12683	.47	(a)	14405	.79	—
10130	2.51	—	11160	(a)	(a)	12707	.43	.79	14527	.27	.202
10132	2.16	—	11167	.76	—	12797	.091	.168	14655	.063	—
10133	3.19	—	11168	3.96	—	12805	.229	.131	14731	3.29	—
10135	(a)	—	11201	11.80	—	12841	.38	—	14732	.243	—
10140	.031	.02	11202	3.49	—	12927	.067	—	14733	.44	—
10141	.063	.022	11203	.77	.65	13049	.036	.058	14734	.189	—
10145	.30	.012	11204	.222	1.79	13111	.48	.113	14855	.218	.20
10146	.193	.019	11205	(a)	—	13112	.058	.083	14913	.237	.145
10150	.35	(a)	11206	.55	—	13201	.90	.201	15060	(a)	(a)
10151	8.85	—	11207	6.92	—	13204	1.02	1.24	15061	(a)	(a)
10160	1.58	—	11208	1.19	—	13205	.39	.45	15062	.196	(a)
10204	.159	—	11209	5.57	—	13206	(a)	(a)	15063	.228	(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	.106	—	16750	.074	.041	18707	.01	.003	40117	(a)	—
15119	(a)	—	16751	.074	—	18708	.081	.012	40140	(a)	—
15120	(a)	—	16819	1.19	(a)	18833	.117	(a)	41001	.171	—
15123	3.18	—	16820	.92	(a)	18834	.211	.132	41210	(a)	—
15124	1.11	—	16881	1.16	(a)	18911	.67	.019	41421	.32	—
15188	.34	(a)	16890	.139	(a)	18912	1.25	.033	41422	.168	—
15223	.045	.035	16891	.151	(a)	18920	.33	.02	41510	33.50	—
15224	.235	.073	16892	.28	(a)	18991	(a)	—	41603	14.90	—
15300	(a)	—	16900	2.17	.142	19007	1.24	—	41604	8.21	—
15314	.152	(a)	16901	1.39	.166	19051	2.76	—	41620	.99	—
15404	.089	(a)	16902	1.18	.08	19061	(a)	—	41650	21.00	—
15405	.132	(a)	16905	2.29	.142	19795	.218	(a)	41664	21.70	—
15406	.34	.047	16906	1.46	.166	19796	.26	—	41665	2.54	—
15488	.84	(a)	16910	1.30	.068	40005	(a)	—	41666	(a)	—
15538	.27	.019	16911	1.18	.071	40006	(a)	—	41667	59.20	—
15600	.68	.102	16915	1.34	.065	40010	(a)	—	41668	55.50	—
15607	.139	—	16916	1.12	.075	40015	(a)	—	41669	.39	—
15608	.152	.012	16920	2.97	.129	40020	(a)	—	41670	.65	—
15656	4.48	—	16921	2.71	.065	40026	(a)	—	41672	(a)	—
15699	.34	—	16930	1.71	.194	40031	(a)	—	41673	(a)	—
15733	.218	.044	16931	1.84	.091	40032	(a)	—	41675	(a)	—
15839	.203	.028	16940	3.70	.065	40040	(a)	—	41677	.204	—
15991	.166	.083	16941	1.48	.14	40041	(a)	—	41678	66.30	—
15993	.141	.051	18078	.119	.17	40042	(a)	—	41679	(a)	(a)
16005	.035	.04	18109	.28	.037	40045	143.00	—	41680	10.90	—
16009	.27	.073	18110	.222	.045	40046	28.30	—	41696	.65	—
16402	1.01	—	18200	(a)	—	40047	10.10	—	41697	.45	—
16403	.64	.129	18205	.183	.36	40059	3.61	—	41700	(a)	—
16404	.80	—	18206	.36	.092	40061	1.91	—	41715	6.94	—
16471	.196	—	18335	.26	.019	40063	64.10	—	41716	4.42	—
16501	.074	(a)	18435	.46	.053	40064	18.80	—	43007	(a)	—
16527	.113	.42	18436	.37	.234	40066	(a)	—	43117	(a)	—
16588	.124	(a)	18437	.37	(a)	40067	(a)	—	43151	20.20	—
16604	.208	.212	18438	.71	(a)	40069	(a)	—	43152	19.90	—
16670	2.58	—	18501	.42	.016	40072	(a)	—	43200	76.80	—
16676	.211	.015	18506	.44	.006	40075	40.50	—	43215	(a)	—
16694	.41	(a)	18507	.133	.009	40101	9.53	—	43421	21.00	—
16705	.209	.173	18570	1.39	—	40102	8.42	—	43422	110.00	—
16722	(a)	—	18575	(a)	(a)	40111	5.07	—	43424	(a)	—
16723	(a)	—	18616	.33	.61	40115	(a)	—	43470	3.76	—

\$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	66.80	—	46004	20.00	—	47471	2.74	—
43518	9.29	—	44280	.204	—	46005	16.00	—	47473	3.58	—
43550	75.00	—	44311	4.79	—	46112	.037	—	47474	4.00	—
43551	41.60	—	44315	3.22	—	46202	3.04	—	47475	3.16	—
43626	7.43	—	44427	34.50	—	46362	231.00	—	47476	3.16	—
43628	96.50	—	44428	34.60	—	46426	33.80	—	47477	4.21	—
43629	81.80	—	44429	.52	—	46427	45.20	—	47478	4.42	—
43754	(a)	—	44430	.36	—	46510	(a)	—	47600	(a)	—
43760	2.72	—	44431	1.15	—	46590	(a)	—	47610	(a)	—
43822	2.99	—	44432	.37	—	46603	2.84	—	48039	54.40	—
43840	.037	—	44433	11.60	—	46604	3.27	—	48177	(a)	—
43860	2.36	—	44434	22.30	—	46606	8.73	—	48178	(a)	—
43889	.84	—	44435	23.10	—	46607	12.00	—	48206	19.60	—
43945	(a)	—	44436	26.90	—	46622	8.74	—	48252	(a)	—
43946	(a)	—	44437	22.30	—	46671	(a)	—	48441	.083	—
43990	(a)	(a)	44438	17.60	—	46700	154.00	—	48557	8.25	—
43991	(a)	—	44439	34.40	—	46773	(a)	—	48558	7.18	—
44009	3.88	—	44440	28.40	—	46822	(a)	—	48600	67.60	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	7.94	—	44501	(a)	—	46882	(a)	—	48636	1.19	(a)
44070	2.35	—	45190	2.39	—	46911	14.70	—	48637	6.30	—
44071	2.62	—	45191	1.70	—	46912	26.90	—	48638	3.13	—
44072	1.81	—	45192	1.99	—	46913	(a)	—	48727	(a)	—
44100	4.70	—	45193	1.17	—	46914	(a)	—	48808	1.15	—
44101	4.90	—	45210	1.48	—	46915	(a)	—	48924	(a)	—
44102	3.82	—	45224	(a)	—	46916	(a)	—	48925	151.00	—
44103	3.38	—	45225	(a)	—	47050	.82	—	49005	.139	—
44104	1.42	—	45334	44.20	—	47051	(a)	—	49111	1.75	—
44105	(a)	—	45380	.26	(a)	47052	(a)	—	49181	17.80	—
44106	(a)	—	45450	13.00	—	47103	(a)	—	49183	21.70	—
44108	1.66	—	45523	(a)	—	47146	(a)	—	49184	45.70	—
44109	4.21	—	45524	(a)	—	47147	(a)	—	49185	41.60	—
44110	4.31	—	45539	(a)	—	47221	169.00	—	49239	.191	.83
44111	2.64	—	45678	.221	—	47253	(a)	—	49292	1.30	—
44112	1.57	—	45771	.39	.22	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.127	.048	47318	6.04	—	49333	9.54	—
44193	(a)	—	45900	.078	.067	47367	.204	—	49451	(a)	—
44194	(a)	—	45901	.067	.06	47420	1.32	—	49452	(a)	—
44222	(a)	—	45937	.173	—	47468	(a)	—	49617	.26	.221
44276	103.00	—	45993	(a)	(a)	47469	3.16	—	49618	.22	.055



## 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	.41	.093	51315	.124	.116	51809	.26	.184	52341	.034	(a)
49763	2.68	—	51330	.073	.43	51833	.129	.103	52342	.099	(a)
49800	(a)	—	51333	.024	.34	51850	.176	(a)	52343	.06	(a)
49801	149.00	—	51340	.025	(a)	51851	.119	(a)	52401	.187	(a)
49802	13.20	—	51350	.199	.177	51852	.28	(a)	52402	.014	(a)
49803	23.40	—	51351	.178	.054	51853	.113	(a)	52432	.07	(a)
49840	.84	—	51352	.244	.138	51854	.25	(a)	52433	.064	1.46
49870	63.10	—	51355	.166	.116	51855	.27	(a)	52435	.08	(a)
49890	(a)	—	51356	.179	.85	51856	.146	(a)	52438	.058	(a)
49891	(a)	—	51357	.176	.43	51857	.249	(a)	52440	.091	(a)
49902	(a)	—	51358	.42	.175	51869	.069	.19	52467	.084	(a)
49903	(a)	—	51359	.37	1.01	51877	.39	.26	52469	.029	.10
50010	.151	.82	51370	.30	6.02	51889	.064	.02	52505	.146	.224
50015	.098	(a)	51380	.03	.072	51896	.03	.023	52547	.162	.093
50017	.075	(a)	51400	.171	(a)	51900	.096	.105	52581	.71	5.33
50045	.171	(a)	51401	.25	(a)	51909	.159	.066	52619	.05	(a)
50047	.019	(a)	51500	.057	.125	51919	.065	(a)	52660	.073	—
51001	.041	.53	51516	.061	—	51926	.066	.049	52744	.49	.126
51005	.008	(a)	51517	.07	—	51927	.036	.126	52767	.148	(a)
51116	.104	.55	51550	.071	.41	51934	.072	.178	52876	(a)	(a)
51201	.026	(a)	51551	.025	1.06	51941	.066	.045	52911	.04	.68
51205	.079	.111	51552	.043	.169	51942	.105	—	52967	.015	.074
51206	.012	.61	51553	.076	(a)	51956	.28	.30	53001	.147	.38
51210	.072	(a)	51554	.007	(a)	51957	.25	.42	53077	.07	.248
51211	(a)	(a)	51575	.053	.028	51958	.222	.39	53095	.048	(a)
51220	.246	3.25	51576	.136	.10	51959	.227	(a)	53096	.067	(a)
51221	.137	2.44	51600	.093	.232	51960	.03	.42	53121	.191	.54
51222	.166	3.38	51613	.061	.20	51970	.13	.25	53147	.025	(a)
51224	.174	1.19	51625	.038	(a)	51982	.038	.099	53229	.14	(a)
51230	.03	.88	51666	.084	.127	51985	.057	—	53271	.036	(a)
51240	.31	.213	51702	.113	(a)	51986	.151	.128	53333	.138	.238
51241	.92	.34	51703	.047	(a)	51999	.064	.54	53374	.13	.45
51250	.189	(a)	51734	.088	.36	52002	.056	.112	53375	.069	.244
51251	.027	(a)	51741	.161	.28	52075	.139	.29	53376	.11	.212
51252	.094	.11	51752	.136	.199	52076	.167	(a)	53377	.113	.27
51253	.08	(a)	51767	.025	.012	52109	.014	(a)	53403	.071	(a)
51254	.025	.06	51777	.086	.084	52134	.187	.75	53425	.13	(a)
51255	.48	(a)	51790	.143	(a)	52137	.055	(a)	53565	.083	.158
51300	.118	.209	51796	.059	(a)	52150	.34	(a)	53631	.022	.025
51305	.118	1.23	51808	.209	.76	52315	.112	.27	53632	.025	.04

\$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	.023	(a)	56170	.127	(a)	57401	.046	.113	58503	.056	.077
53732	.16	.60	56171	.063	(a)	57403	.175	.041	58532	.072	(a)
53733	.104	.26	56202	.053	.126	57410	.022	.188	58559	.015	(a)
53734	.37	—	56390	.093	.62	57411	.032	(a)	58560	.035	(a)
53803	.31	(a)	56391	.08	.36	57572	.013	.107	58561	(a)	(a)
53901	(a)	(a)	56427	.129	.146	57600	.039	.039	58575	.046	.143
53902	(a)	(a)	56488	.143	.039	57611	.068	.075	58627	.146	.022
53903	(a)	(a)	56567	.132	(a)	57625	.35	(a)	58663	.29	1.87
53904	(a)	(a)	56650	.40	(a)	57651	.042	.05	58682	.13	(a)
53905	(a)	(a)	56651	.22	(a)	57690	.089	.64	58713	.055	(a)
53907	.07	.139	56652	.157	(a)	57716	.042	.106	58737	.094	1.01
53951	(a)	(a)	56653	.151	(a)	57725	.092	.094	58756	.055	(a)
53952	(a)	(a)	56654	.077	(a)	57726	.072	.019	58757	.32	(a)
53953	(a)	(a)	56690	.074	.42	57798	.021	(a)	58759	.039	(a)
54012	.037	—	56699	.059	.051	57800	.079	(a)	58802	.045	.50
54077	.096	.39	56758	.05	.178	57808	.035	(a)	58813	.134	(a)
54444	(a)	(a)	56759	.052	.118	57809	.036	(a)	58822	.123	(a)
55010	.29	1.25	56760	.074	.127	57810	.035	.126	58837	.27	.132
55011	.078	1.14	56805	.097	(a)	57871	.042	.127	58840	.081	.128
55012	.093	1.32	56806	.069	(a)	57913	.103	.43	58873	.129	.034
55013	.117	1.05	56807	.068	(a)	57997	.082	—	58903	.028	(a)
55014	(a)	(a)	56808	.089	(a)	57998	.046	.067	58904	.022	.152
55214	.076	.103	56900	.086	(a)	57999	.058	.081	58922	.214	.241
55371	.33	.158	56910	.043	(a)	58009	.058	(a)	59005	.053	.108
55410	(a)	(a)	56911	.114	(a)	58010	.106	(a)	59057	.40	(a)
55426	.142	(a)	56912	.092	.105	58020	.188	(a)	59058	.26	(a)
55597	.019	1.99	56913	.075	(a)	58056	.126	(a)	59188	.37	.065
55647	.038	.08	56915	.44	(a)	58057	.079	(a)	59189	.51	.35
55648	.017	(a)	56916	.40	.196	58058	.071	(a)	59223	.133	.087
55649	.02	(a)	56917	.116	(a)	58095	.10	1.95	59257	.014	.021
55715	.15	.27	56918	.056	(a)	58096	.133	1.06	59306	.09	(a)
55716	.217	.59	56919	.142	(a)	58301	.044	.086	59378	.086	.175
55717	.188	(a)	56920	.13	(a)	58302	.036	.064	59481	.243	.101
55718	.182	(a)	56980	.074	(a)	58397	.209	.97	59482	.39	(a)
55802	.086	.013	57001	.025	.021	58408	.048	—	59537	.093	.172
55918	.086	4.30	57002	.016	.13	58409	.061	—	59601	.091	3.05
55919	.012	4.86	57090	.208	.71	58456	.033	—	59647	.174	.205
56040	.008	.057	57146	.132	.73	58457	.047	—	59660	.168	1.20
56041	.053	(a)	57202	.066	(a)	58458	.061	—	59661	.082	(a)
56042	.067	(a)	57257	.082	.05	58459	.074	—	59693	.014	—

## 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	.42	.066	63220	(a)	—	91190	1.79	(a)
59701	.007	.227	59970	.08	.212	64074	16.90	—	91200	.67	—
59713	.151	.37	59973	.115	(a)	64075	11.90	—	91210	(a)	—
59722	.078	.036	59975	.112	.237	64500	(a)	—	91235	2.23	3.01
59723	.029	.044	59977	.064	(a)	65007	36.00	—	91250	3.35	(a)
59724	.045	.031	59984	.031	.064	66122	15.50	—	91265	14.40	4.11
59725	.056	.103	59985	.123	(a)	66123	8.51	—	91266	7.61	1.18
59726	.041	.026	59986	.094	(a)	66309	24.90	—	91280	(a)	3.76
59738	.13	.077	59988	.028	.069	66561	57.60	—	91302	7.71	(a)
59750	.069	.28	59989	.016	.052	67017	53.40	—	91315	2.34	—
59751	.025	(a)	60010	17.80	—	67508	25.20	—	91324	5.21	(a)
59773	.022	.032	60011	20.50	—	67509	18.50	—	91325	(a)	(a)
59774	.018	.175	60012	33.70	—	67510	10.30	—	91340	3.40	10.80
59775	.023	.211	60013	28.90	—	67511	11.20	—	91341	3.80	4.84
59781	.06	.088	60015	21.60	—	67512	47.80	—	91342	3.12	5.05
59782	.09	.69	60016	24.30	—	67513	30.30	—	91343	.84	1.43
59783	.088	(a)	60035	40.60	—	67634	46.20	—	91405	3.96	—
59784	.067	(a)	61000	17.70	—	67635	32.70	—	91436	4.30	2.95
59790	.10	(a)	61212	21.80	—	68001	99.90	—	91481	15.70	—
59798	.229	.53	61216	24.20	—	68439	128.00	—	91507	2.31	4.74
59806	.164	(a)	61217	22.00	—	68500	3.92	—	91523	35.70	—
59867	.113	(a)	61218	15.10	—	68604	2.40	—	91547	.203	—
59886	.015	.131	61223	102.00	—	68606	9.38	—	91551	1.26	.84
59889	.073	.169	61224	36.00	—	68607	7.42	—	91555	1.34	1.28
59892	.088	(a)	61225	50.00	—	68702	6.11	—	91560	4.21	6.03
59904	.059	.08	61226	79.60	—	68703	4.58	—	91562	2.80	—
59905	.071	.138	61227	72.90	—	68706	19.60	—	91577	10.00	3.45
59914	.42	.70	62000	16.60	—	68707	19.40	—	91580	5.55	—
59915	.197	.88	62001	12.40	—	90089	3.64	—	91581	(a)	(a)
59917	.036	.164	62002	5.67	—	91111	2.87	6.66	91582	(a)	(a)
59923	.01	.007	62003	17.90	—	91125	2.19	3.70	91583	(a)	(a)
59925	.38	1.06	63010	32.10	—	91127	1.93	2.00	91584	(a)	(a)
59926	.33	.49	63011	40.10	—	91130	1.18	—	91585	(a)	(a)
59927	.218	1.71	63012	57.10	—	91135	.33	(a)	91586	(a)	(a)
59931	.187	.69	63013	54.00	—	91150	1.82	6.75	91587	(a)	(a)
59932	.201	1.11	63215	59.10	—	91155	4.05	46.30	91588	(a)	(a)
59941	.063	(a)	63216	41.00	—	91160	.88	—	91589	(a)	(a)
59947	.059	.39	63217	28.80	—	91175	.76	—	91590	2.91	—
59955	.024	.171	63218	9.68	—	91177	3.32	—	91591	(a)	(a)
59963	.178	.54	63219	(a)	—	91179	3.33	—	91606	11.50	—

\$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
91618	(a)	(a)	95357	1.18	—	97653	2.64	3.21	98426	2.14	(a)
91629	2.36	(a)	95358	(a)	—	97654	4.60	3.54	98427	2.08	—
91636	4.04	—	95410	3.73	3.52	97655	4.42	6.83	98428	(a)	—
91641	1.09	(a)	95455	4.88	2.08	98002	.80	1.31	98429	1.05	—
91666	.78	(a)	95487	2.00	(a)	98003	.83	(a)	98430	(a)	—
91722	3.53	(a)	95505	2.27	2.68	98090	.111	—	98449	2.99	28.40
91746	2.80	5.37	95620	1.62	(a)	98091	.12	—	98482	3.21	9.52
91805	.176	—	95625	3.68	3.92	98092	.37	—	98483	4.74	23.40
92053	.43	.59	95630	(a)	(a)	98111	.56	—	98502	4.53	4.55
92054	.149	.30	95647	2.68	5.66	98150	(a)	—	98555	2.11	—
92055	4.15	.33	95648	(a)	(a)	98151	(a)	—	98597	.47	—
92101	6.49	3.24	96053	2.04	5.95	98152	2.69	.50	98598	.162	—
92102	3.91	3.51	96317	1.22	—	98153	3.03	(a)	98601	5.43	(a)
92215	3.19	4.34	96408	3.23	17.30	98154	3.58	(a)	98622	(a)	—
92338	1.50	2.32	96409	2.99	14.80	98155	5.01	(a)	98623	(a)	—
92445	2.31	—	96410	2.63	10.60	98156	(a)	(a)	98624	.85	—
92446	4.94	2.34	96611	.78	1.84	98157	3.20	.50	98636	2.74	4.41
92447	4.32	2.05	96702	3.72	(a)	98158	(a)	(a)	98640	93.60	—
92451	2.23	2.33	96703	(a)	—	98159	2.15	(a)	98658	5.17	—
92453	2.73	—	96816	3.49	—	98160	4.54	(a)	98659	.93	.60
92478	1.35	2.24	96872	4.33	(a)	98161	5.09	(a)	98677	14.70	12.20
92593	29.20	—	96930	(a)	—	98162	(a)	(a)	98678	13.10	17.90
92663	.55	—	97002	(a)	(a)	98163	5.34	.33	98698	(a)	(a)
94007	9.27	6.38	97003	(a)	(a)	98164	1.88	.109	98699	4.26	(a)
94099	2.11	—	97047	2.37	—	98257	1.24	—	98705	7.32	—
94225	7.43	—	97050	1.84	—	98303	10.10	10.30	98710	2.96	—
94276	3.87	5.91	97111	4.47	—	98304	4.61	4.44	98751	3.91	—
94304	2.84	(a)	97220	.32	(a)	98305	1.90	1.89	98805	3.87	1.42
94381	5.34	21.30	97221	(a)	1.35	98306	4.90	1.20	98806	2.55	3.82
94404	3.67	6.97	97222	1.47	2.86	98307	1.46	.71	98810	2.68	—
94444	(a)	(a)	97223	2.23	4.19	98308	.96	.78	98813	2.59	2.98
94569	2.48	3.25	97308	.59	—	98309	5.05	3.57	98820	7.39	4.59
94590	10.70	—	97447	1.94	5.30	98344	.53	.72	98871	(a)	(a)
94617	3.37	—	97501	(a)	—	98405	.87	—	98884	1.92	1.89
94638	(a)	—	97502	(a)	—	98413	12.20	(a)	98914	.63	.89
95124	1.24	.71	97503	(a)	—	98414	11.10	(a)	98949	.88	.52
95233	2.67	—	97504	(a)	—	98415	1.46	(a)	98967	3.02	8.77
95305	2.90	—	97650	3.09	4.92	98423	3.48	(a)	98993	5.23	5.01
95306	4.63	—	97651	5.72	5.08	98424	5.90	(a)	99003	1.43	1.77
95310	6.91	2.24	97652	4.96	5.20	98425	2.42	(a)	99004	2.15	2.24

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.01	10.20	99826	.53	.62						
99081	(a)	—	99827	.37	.63						
99082	(a)	—	99851	1.49	—						
99083	(a)	—	99917	2.41	—						
99084	(a)	(a)	99938	2.71	—						
99085	(a)	(a)	99943	7.85	—						
99111	1.47	—	99946	5.85	3.61						
99160	(a)	—	99948	6.30	33.70						
99163	3.52	.72	99952	3.93	22.70						
99165	.77	(a)	99953	4.24	12.80						
99220	1.39	(a)	99954	3.09	14.40						
99221	(a)	(a)	99955	3.87	13.40						
99222	2.61	(a)	99963	.58	—						
99223	.216	(a)	99969	2.52	3.02						
99303	11.80	—	99975	3.43	—						
99310	2.95	(a)	99986	(a)	—						
99315	8.67	2.09	99987	(a)	—						
99321	8.42	3.13	99988	2.23	—						
99445	(a)	(a)									
99471	.63	—									
99505	4.42	—									
99506	5.44	—									
99507	4.75	—									
99570	2.55	(a)									
99571	.62	(a)									
99572	1.21	(a)									
99573	1.15	(a)									
99600	.94	—									
99613	7.46	2.96									
99614	2.09	—									
99620	.41	—									
99650	1.21	1.07									
99709	2.98	(a)									
99718	1.19	—									
99746	2.02	3.08									
99760	.23	—									
99777	4.65	—									
99793	2.56	—									
99798	(a)	(a)									
99803	(a)	10.80									

\$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	.111	.224	10205	.236	—	11210	2.30	—	13207	(a)	(a)
10015	3.58	—	10220	4.45	—	11211	11.90	—	13208	(a)	(a)
10020	(a)	(a)	10255	.231	.152	11212	1.80	—	13314	.113	.02
10026	.61	.021	10256	.85	.158	11213	1.47	—	13351	.28	.042
10036	.62	(a)	10257	.16	.187	11214	3.62	—	13352	.28	.054
10040	.085	.30	10309	.153	.021	11222	.061	—	13410	1.33	2.55
10042	.35	.48	10315	.36	(a)	11234	.27	.071	13411	(a)	(a)
10052	2.48	—	10331	4.86	—	11248	.044	.022	13412	.45	1.11
10054	2.20	—	10332	8.39	—	11258	.55	.34	13453	.52	(a)
10060	.167	.086	10352	.27	.088	11259	.59	.227	13454	.61	(a)
10065	.25	.036	10367	3.07	—	11273	13.20	—	13455	.62	(a)
10066	.26	.067	10368	4.49	—	11274	12.70	—	13461	(a)	(a)
10070	.064	.141	10375	(a)	—	11288	.68	.087	13506	.87	.083
10071	.30	.095	10378	4.92	—	12014	.095	.043	13507	1.04	.194
10072	3.47	—	10379	2.28	—	12356	1.12	.03	13590	.46	.77
10073	.97	.55	10380	3.90	—	12361	.062	.091	13621	.116	.42
10075	7.21	.183	10381	3.38	—	12362	.07	(a)	13670	.035	.013
10100	.46	.052	11007	1.31	—	12373	.027	.031	13673	.42	.013
10101	.227	.191	11020	.29	.15	12374	.58	.07	13715	.07	.151
10105	2.45	—	11039	.84	.068	12375	.29	.059	13716	.43	.138
10107	2.97	.209	11052	1.90	—	12391	.053	.10	13720	.235	.069
10110	12.20	—	11101	(a)	(a)	12393	.38	(a)	13759	.167	.174
10111	.14	.098	11120	(a)	—	12467	.158	(a)	13930	.149	.205
10113	.34	—	11126	.059	.024	12509	.058	.047	14068	.037	.018
10115	.67	.082	11127	.36	.011	12510	.73	.032	14101	.43	.038
10117	3.56	—	11128	.48	.072	12583	.33	(a)	14279	.44	.075
10119	(a)	—	11138	1.22	—	12651	.95	.56	14401	.56	.142
10120	7.98	—	11155	.202	—	12683	.43	(a)	14405	.77	—
10130	3.34	—	11160	(a)	(a)	12707	.46	.79	14527	.29	.202
10132	2.88	—	11167	.44	—	12797	.097	.168	14655	.084	—
10133	1.83	—	11168	2.27	—	12805	.31	.131	14731	1.89	—
10135	(a)	—	11201	11.40	—	12841	.51	—	14732	.139	—
10140	.029	.02	11202	3.38	—	12927	.089	—	14733	.59	—
10141	.057	.022	11203	.83	.65	13049	.032	.058	14734	.25	—
10145	.27	.012	11204	.30	1.79	13111	.51	.113	14855	.203	.20
10146	.204	.019	11205	(a)	—	13112	.053	.083	14913	.32	.145
10150	.47	(a)	11206	.53	—	13201	.84	.201	15060	(a)	(a)
10151	11.80	—	11207	6.70	—	13204	.95	1.24	15061	(a)	(a)
10160	2.10	—	11208	1.15	—	13205	.37	.45	15062	.183	(a)
10204	.212	—	11209	5.39	—	13206	(a)	(a)	15063	.213	(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	.103	—	16750	.098	.041	18707	.011	.003	40117	(a)	—
15119	(a)	—	16751	.098	—	18708	.108	.012	40140	(a)	—
15120	(a)	—	16819	1.11	(a)	18833	.126	(a)	41001	.134	—
15123	1.82	—	16820	.86	(a)	18834	.28	.132	41210	(a)	—
15124	.64	—	16881	1.54	(a)	18911	.89	.019	41421	.217	—
15188	.32	(a)	16890	.129	(a)	18912	1.67	.033	41422	.116	—
15223	.041	.035	16891	.141	(a)	18920	.43	.02	41510	44.60	—
15224	.249	.073	16892	.26	(a)	18991	(a)	—	41603	10.30	—
15300	(a)	—	16900	1.67	.142	19007	.71	—	41604	5.65	—
15314	.202	(a)	16901	1.07	.166	19051	1.58	—	41620	.96	—
15404	.083	(a)	16902	.91	.08	19061	(a)	—	41650	14.50	—
15405	.123	(a)	16905	1.76	.142	19795	.29	(a)	41664	16.90	—
15406	.31	.047	16906	1.12	.166	19796	.34	—	41665	1.98	—
15488	.78	(a)	16910	1.00	.068	40005	(a)	—	41666	(a)	—
15538	.36	.019	16911	.91	.071	40006	(a)	—	41667	46.20	—
15600	.91	.102	16915	1.03	.065	40010	(a)	—	41668	43.30	—
15607	.135	—	16916	.86	.075	40015	(a)	—	41669	.30	—
15608	.202	.012	16920	2.28	.129	40020	(a)	—	41670	.51	—
15656	5.96	—	16921	2.08	.065	40026	(a)	—	41672	(a)	—
15699	.33	—	16930	1.31	.194	40031	(a)	—	41673	(a)	—
15733	.203	.044	16931	1.41	.091	40032	(a)	—	41675	(a)	—
15839	.27	.028	16940	2.84	.065	40040	(a)	—	41677	.198	—
15991	.222	.083	16941	1.14	.14	40041	(a)	—	41678	37.90	—
15993	.187	.051	18078	.127	.17	40042	(a)	—	41679	(a)	(a)
16005	.037	.04	18109	.37	.037	40045	112.00	—	41680	7.54	—
16009	.25	.073	18110	.30	.045	40046	22.10	—	41696	.63	—
16402	1.34	—	18200	(a)	—	40047	7.87	—	41697	.44	—
16403	.85	.129	18205	.196	.36	40059	2.82	—	41700	(a)	—
16404	1.07	—	18206	.48	.092	40061	1.49	—	41715	4.78	—
16471	.19	—	18335	.34	.019	40063	50.00	—	41716	3.04	—
16501	.079	(a)	18435	.48	.053	40064	14.70	—	43007	(a)	—
16527	.121	.42	18436	.39	.234	40066	(a)	—	43117	(a)	—
16588	.116	(a)	18437	.49	(a)	40067	(a)	—	43151	14.30	—
16604	.194	.212	18438	.95	(a)	40069	(a)	—	43152	11.30	—
16670	2.02	—	18501	.44	.016	40072	(a)	—	43200	54.30	—
16676	.28	.015	18506	.41	.006	40075	28.70	—	43215	(a)	—
16694	.38	(a)	18507	.177	.009	40101	9.26	—	43421	14.90	—
16705	.224	.173	18570	1.85	—	40102	8.18	—	43422	78.00	—
16722	(a)	—	18575	(a)	(a)	40111	3.96	—	43424	(a)	—
16723	(a)	—	18616	.31	.61	40115	(a)	—	43470	3.64	—

\$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	47.20	—	46004	13.80	—	47471	1.88	—
43518	7.25	—	44280	.198	—	46005	11.00	—	47473	2.46	—
43550	53.00	—	44311	3.74	—	46112	.036	—	47474	2.75	—
43551	29.40	—	44315	2.52	—	46202	2.30	—	47475	2.17	—
43626	5.80	—	44427	33.50	—	46362	132.00	—	47476	2.17	—
43628	75.30	—	44428	33.70	—	46426	19.30	—	47477	2.90	—
43629	63.80	—	44429	.50	—	46427	25.80	—	47478	3.04	—
43754	(a)	—	44430	.35	—	46510	(a)	—	47600	(a)	—
43760	2.13	—	44431	1.12	—	46590	(a)	—	47610	(a)	—
43822	2.90	—	44432	.36	—	46603	1.62	—	48039	38.50	—
43840	.036	—	44433	11.30	—	46604	1.87	—	48177	(a)	—
43860	2.28	—	44434	21.70	—	46606	4.99	—	48178	(a)	—
43889	.82	—	44435	22.40	—	46607	6.86	—	48206	15.30	—
43945	(a)	—	44436	26.20	—	46622	8.46	—	48252	(a)	—
43946	(a)	—	44437	21.70	—	46671	(a)	—	48441	.064	—
43990	(a)	(a)	44438	17.20	—	46700	109.00	—	48557	6.44	—
43991	(a)	—	44439	33.40	—	46773	(a)	—	48558	5.60	—
44009	2.22	—	44440	27.60	—	46822	(a)	—	48600	38.70	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	6.20	—	44501	(a)	—	46882	(a)	—	48636	2.16	(a)
44070	1.83	—	45190	1.81	—	46911	11.50	—	48637	4.92	—
44071	2.04	—	45191	1.28	—	46912	21.00	—	48638	2.44	—
44072	1.41	—	45192	1.50	—	46913	(a)	—	48727	(a)	—
44100	3.18	—	45193	.89	—	46914	(a)	—	48808	1.53	—
44101	3.31	—	45210	1.12	—	46915	(a)	—	48924	(a)	—
44102	2.58	—	45224	(a)	—	46916	(a)	—	48925	118.00	—
44103	2.28	—	45225	(a)	—	47050	.79	—	49005	.135	—
44104	.96	—	45334	31.30	—	47051	(a)	—	49111	2.33	—
44105	(a)	—	45380	.238	(a)	47052	(a)	—	49181	12.60	—
44106	(a)	—	45450	9.20	—	47103	(a)	—	49183	15.30	—
44108	1.12	—	45523	(a)	—	47146	(a)	—	49184	32.30	—
44109	2.85	—	45524	(a)	—	47147	(a)	—	49185	29.40	—
44110	2.91	—	45539	(a)	—	47221	120.00	—	49239	.178	.83
44111	1.79	—	45678	.214	—	47253	(a)	—	49292	.92	—
44112	1.06	—	45771	.36	.22	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.118	.048	47318	4.72	—	49333	6.75	—
44193	(a)	—	45900	.103	.067	47367	.198	—	49451	(a)	—
44194	(a)	—	45901	.089	.06	47420	1.03	—	49452	(a)	—
44222	(a)	—	45937	.123	—	47468	(a)	—	49617	.15	.221
44276	72.80	—	45993	(a)	(a)	47469	2.17	—	49618	.126	.055



## 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	.237	.093	51315	.116	.116	51809	.34	.184	52341	.062	(a)
49763	1.54	—	51330	.132	.43	51833	.152	.103	52342	.179	(a)
49800	(a)	—	51333	.043	.34	51850	.32	(a)	52343	.109	(a)
49801	105.00	—	51340	.033	(a)	51851	.216	(a)	52401	.34	(a)
49802	9.35	—	51350	.235	.177	51852	.51	(a)	52402	.018	(a)
49803	16.60	—	51351	.21	.054	51853	.204	(a)	52432	.091	(a)
49840	.82	—	51352	.29	.138	51854	.46	(a)	52433	.083	1.46
49870	49.20	—	51355	.197	.116	51855	.48	(a)	52435	.104	(a)
49890	(a)	—	51356	.212	.85	51856	.26	(a)	52438	.075	(a)
49891	(a)	—	51357	.164	.43	51857	.45	(a)	52440	.118	(a)
49902	(a)	—	51358	.40	.175	51869	.09	.19	52467	.109	(a)
49903	(a)	—	51359	.35	1.01	51877	.51	.26	52469	.038	.10
50010	.197	.82	51370	.39	6.02	51889	.084	.02	52505	.191	.224
50015	.128	(a)	51380	.039	.072	51896	.039	.023	52547	.29	.093
50017	.097	(a)	51400	.31	(a)	51900	.114	.105	52581	.93	5.33
50045	.222	(a)	51401	.46	(a)	51909	.29	.066	52619	.065	(a)
50047	.025	(a)	51500	.075	.125	51919	.084	(a)	52660	.07	—
51001	.074	.53	51516	.059	—	51926	.086	.049	52744	.58	.126
51005	.015	(a)	51517	.067	—	51927	.046	.126	52767	.27	(a)
51116	.188	.55	51550	.092	.41	51934	.094	.178	52876	(a)	(a)
51201	.034	(a)	51551	.032	1.06	51941	.086	.045	52911	.052	.68
51205	.102	.111	51552	.055	.169	51942	.137	—	52967	.02	.074
51206	.016	.61	51553	.099	(a)	51956	.37	.30	53001	.191	.38
51210	.13	(a)	51554	.009	(a)	51957	.33	.42	53077	.092	.248
51211	(a)	(a)	51575	.063	.028	51958	.29	.39	53095	.063	(a)
51220	.45	3.25	51576	.177	.10	51959	.30	(a)	53096	.088	(a)
51221	.247	2.44	51600	.121	.232	51960	.039	.42	53121	.249	.54
51222	.30	3.38	51613	.08	.20	51970	.17	.25	53147	.045	(a)
51224	.32	1.19	51625	.068	(a)	51982	.05	.099	53229	.25	(a)
51230	.054	.88	51666	.10	.127	51985	.055	—	53271	.047	(a)
51240	.40	.213	51702	.204	(a)	51986	.197	.128	53333	.249	.238
51241	1.20	.34	51703	.084	(a)	51999	.083	.54	53374	.154	.45
51250	.34	(a)	51734	.159	.36	52002	.073	.112	53375	.081	.244
51251	.035	(a)	51741	.21	.28	52075	.25	.29	53376	.131	.212
51252	.122	.11	51752	.177	.199	52076	.30	(a)	53377	.134	.27
51253	.104	(a)	51767	.029	.012	52109	.018	(a)	53403	.085	(a)
51254	.032	.06	51777	.101	.084	52134	.243	.75	53425	.235	(a)
51255	.87	(a)	51790	.169	(a)	52137	.099	(a)	53565	.098	.158
51300	.14	.209	51796	.077	(a)	52150	.45	(a)	53631	.029	.025
51305	.14	1.23	51808	.27	.76	52315	.132	.27	53632	.033	.04

\$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	.03	(a)	56170	.231	(a)	57401	.061	.113	58503	.073	.077
53732	.208	.60	56171	.113	(a)	57403	.207	.041	58532	.094	(a)
53733	.135	.26	56202	.07	.126	57410	.029	.188	58559	.019	(a)
53734	.36	—	56390	.121	.62	57411	.058	(a)	58560	.046	(a)
53803	.56	(a)	56391	.104	.36	57572	.017	.107	58561	(a)	(a)
53901	(a)	(a)	56427	.168	.146	57600	.051	.039	58575	.059	.143
53902	(a)	(a)	56488	.169	.039	57611	.124	.075	58627	.191	.022
53903	(a)	(a)	56567	.239	(a)	57625	.45	(a)	58663	.53	1.87
53904	(a)	(a)	56650	.73	(a)	57651	.055	.05	58682	.17	(a)
53905	(a)	(a)	56651	.40	(a)	57690	.161	.64	58713	.065	(a)
53907	.091	.139	56652	.28	(a)	57716	.076	.106	58737	.123	1.01
53951	(a)	(a)	56653	.27	(a)	57725	.167	.094	58756	.099	(a)
53952	(a)	(a)	56654	.14	(a)	57726	.13	.019	58757	.41	(a)
53953	(a)	(a)	56690	.088	.42	57798	.028	(a)	58759	.051	(a)
54012	.036	—	56699	.077	.051	57800	.104	(a)	58802	.058	.50
54077	.125	.39	56758	.066	.178	57808	.064	(a)	58813	.243	(a)
54444	(a)	(a)	56759	.067	.118	57809	.066	(a)	58822	.16	(a)
55010	.38	1.25	56760	.096	.127	57810	.064	.126	58837	.49	.132
55011	.102	1.14	56805	.127	(a)	57871	.076	.127	58840	.146	.128
55012	.121	1.32	56806	.09	(a)	57913	.134	.43	58873	.233	.034
55013	.212	1.05	56807	.089	(a)	57997	.079	—	58903	.037	(a)
55014	(a)	(a)	56808	.116	(a)	57998	.059	.067	58904	.028	.152
55214	.098	.103	56900	.112	(a)	57999	.105	.081	58922	.39	.241
55371	.39	.158	56910	.056	(a)	58009	.105	(a)	59005	.07	.108
55410	(a)	(a)	56911	.206	(a)	58010	.138	(a)	59057	.51	(a)
55426	.26	(a)	56912	.167	.105	58020	.223	(a)	59058	.33	(a)
55597	.025	1.99	56913	.136	(a)	58056	.164	(a)	59188	.44	.065
55647	.049	.08	56915	.81	(a)	58057	.104	(a)	59189	.61	.35
55648	.022	(a)	56916	.73	.196	58058	.093	(a)	59223	.241	.087
55649	.027	(a)	56917	.21	(a)	58095	.131	1.95	59257	.019	.021
55715	.195	.27	56918	.101	(a)	58096	.174	1.06	59306	.118	(a)
55716	.28	.59	56919	.26	(a)	58301	.08	.086	59378	.157	.175
55717	.34	(a)	56920	.235	(a)	58302	.047	.064	59481	.32	.101
55718	.33	(a)	56980	.097	(a)	58397	.27	.97	59482	.46	(a)
55802	.101	.013	57001	.033	.021	58408	.047	—	59537	.169	.172
55918	.112	4.30	57002	.021	.13	58409	.059	—	59601	.119	3.05
55919	.015	4.86	57090	.38	.71	58456	.032	—	59647	.206	.205
56040	.011	.057	57146	.239	.73	58457	.046	—	59660	.219	1.20
56041	.07	(a)	57202	.086	(a)	58458	.059	—	59661	.107	(a)
56042	.088	(a)	57257	.107	.05	58459	.071	—	59693	.018	—

## 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	.54	.066	63220	(a)	—	91190	1.79	(a)
59701	.009	.227	59970	.144	.212	64074	12.80	—	91200	.67	—
59713	.196	.37	59973	.15	(a)	64075	8.99	—	91210	(a)	—
59722	.102	.036	59975	.202	.237	64500	(a)	—	91235	2.23	3.01
59723	.038	.044	59977	.115	(a)	65007	20.60	—	91250	3.35	(a)
59724	.059	.031	59984	.041	.064	66122	8.85	—	91265	14.40	4.11
59725	.073	.103	59985	.161	(a)	66123	4.86	—	91266	7.61	1.18
59726	.053	.026	59986	.123	(a)	66309	14.20	—	91280	(a)	3.76
59738	.17	.077	59988	.052	.069	66561	32.90	—	91302	7.71	(a)
59750	.126	.28	59989	.021	.052	67017	30.50	—	91315	2.34	—
59751	.045	(a)	60010	9.29	—	67508	17.40	—	91324	5.21	(a)
59773	.026	.032	60011	10.70	—	67509	12.80	—	91325	(a)	(a)
59774	.022	.175	60012	17.60	—	67510	7.10	—	91340	3.40	10.80
59775	.028	.211	60013	15.10	—	67511	7.68	—	91341	3.80	4.84
59781	.109	.088	60015	11.20	—	67512	32.90	—	91342	3.12	5.05
59782	.163	.69	60016	12.60	—	67513	20.90	—	91343	.84	1.43
59783	.159	(a)	60035	23.20	—	67634	26.40	—	91405	3.96	—
59784	.122	(a)	61000	9.20	—	67635	18.70	—	91436	4.30	2.95
59790	.131	(a)	61212	12.50	—	68001	57.10	—	91481	15.70	—
59798	.41	.53	61216	13.80	—	68439	73.40	—	91507	2.31	4.74
59806	.30	(a)	61217	12.60	—	68500	2.04	—	91523	35.70	—
59867	.147	(a)	61218	8.60	—	68604	1.37	—	91547	.203	—
59886	.02	.131	61223	58.10	—	68606	5.36	—	91551	1.26	.84
59889	.086	.169	61224	20.60	—	68607	4.24	—	91555	1.34	1.28
59892	.159	(a)	61225	28.60	—	68702	3.49	—	91560	4.21	6.03
59904	.107	.08	61226	45.50	—	68703	2.62	—	91562	2.80	—
59905	.092	.138	61227	41.60	—	68706	11.20	—	91577	10.00	3.45
59914	.54	.70	62000	9.48	—	68707	11.10	—	91580	5.55	—
59915	.36	.88	62001	7.11	—	90089	3.64	—	91581	(a)	(a)
59917	.066	.164	62002	3.24	—	91111	2.87	6.66	91582	(a)	(a)
59923	.013	.007	62003	10.20	—	91125	2.19	3.70	91583	(a)	(a)
59925	.36	1.06	63010	16.70	—	91127	1.93	2.00	91584	(a)	(a)
59926	.30	.49	63011	20.90	—	91130	1.18	—	91585	(a)	(a)
59927	.203	1.71	63012	29.70	—	91135	.33	(a)	91586	(a)	(a)
59931	.243	.69	63013	28.20	—	91150	1.82	6.75	91587	(a)	(a)
59932	.26	1.11	63215	33.80	—	91155	4.05	46.30	91588	(a)	(a)
59941	.082	(a)	63216	23.40	—	91160	.88	—	91589	(a)	(a)
59947	.107	.39	63217	22.40	—	91175	.76	—	91590	2.91	—
59955	.031	.171	63218	7.56	—	91177	3.32	—	91591	(a)	(a)
59963	.232	.54	63219	(a)	—	91179	3.33	—	91606	11.50	—

\$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	1.18	—	97653	2.64	3.21	98426	2.14	(a)
91629	2.36	(a)	95358	(a)	—	97654	4.60	3.54	98427	2.08	—
91636	4.04	—	95410	3.73	3.52	97655	4.42	6.83	98428	(a)	—
91641	1.09	(a)	95455	4.88	2.08	98002	.80	1.31	98429	1.05	—
91666	.78	(a)	95487	2.00	(a)	98003	.83	(a)	98430	(a)	—
91722	3.53	(a)	95505	2.27	2.68	98090	.111	—	98449	2.99	28.40
91746	2.80	5.37	95620	1.62	(a)	98091	.12	—	98482	3.21	9.52
91805	.176	—	95625	3.68	3.92	98092	.37	—	98483	4.74	23.40
92053	.43	.59	95630	(a)	(a)	98111	.56	—	98502	4.53	4.55
92054	.149	.30	95647	2.68	5.66	98150	(a)	—	98555	2.11	—
92055	4.15	.33	95648	(a)	(a)	98151	(a)	—	98597	.47	—
92101	6.49	3.24	96053	2.04	5.95	98152	2.69	.50	98598	.162	—
92102	3.91	3.51	96317	1.22	—	98153	3.03	(a)	98601	5.43	(a)
92215	3.19	4.34	96408	3.23	17.30	98154	3.58	(a)	98622	(a)	—
92338	1.50	2.32	96409	2.99	14.80	98155	5.01	(a)	98623	(a)	—
92445	2.31	—	96410	2.63	10.60	98156	(a)	(a)	98624	.85	—
92446	4.94	2.34	96611	.78	1.84	98157	3.20	.50	98636	2.74	4.41
92447	4.32	2.05	96702	3.72	(a)	98158	(a)	(a)	98640	93.60	—
92451	2.23	2.33	96703	(a)	—	98159	2.15	(a)	98658	5.17	—
92453	2.73	—	96816	3.49	—	98160	4.54	(a)	98659	.93	.60
92478	1.35	2.24	96872	4.33	(a)	98161	5.09	(a)	98677	14.70	12.20
92593	29.20	—	96930	(a)	—	98162	(a)	(a)	98678	13.10	17.90
92663	.55	—	97002	(a)	(a)	98163	5.34	.33	98698	(a)	(a)
94007	9.27	6.38	97003	(a)	(a)	98164	1.88	.109	98699	4.26	(a)
94099	2.11	—	97047	2.37	—	98257	1.24	—	98705	7.32	—
94225	7.43	—	97050	1.84	—	98303	10.10	10.30	98710	2.96	—
94276	3.87	5.91	97111	4.47	—	98304	4.61	4.44	98751	3.91	—
94304	2.84	(a)	97220	.32	(a)	98305	1.90	1.89	98805	3.87	1.42
94381	5.34	21.30	97221	(a)	1.35	98306	4.90	1.20	98806	2.55	3.82
94404	3.67	6.97	97222	1.47	2.86	98307	1.46	.71	98810	2.68	—
94444	(a)	(a)	97223	2.23	4.19	98308	.96	.78	98813	2.59	2.98
94569	2.48	3.25	97308	.59	—	98309	5.05	3.57	98820	7.39	4.59
94590	10.70	—	97447	1.94	5.30	98344	.53	.72	98871	(a)	(a)
94617	3.37	—	97501	(a)	—	98405	.87	—	98884	1.92	1.89
94638	(a)	—	97502	(a)	—	98413	12.20	(a)	98914	.63	.89
95124	1.24	.71	97503	(a)	—	98414	11.10	(a)	98949	.88	.52
95233	2.67	—	97504	(a)	—	98415	1.46	(a)	98967	3.02	8.77
95305	2.90	—	97650	3.09	4.92	98423	3.48	(a)	98993	5.23	5.01
95306	4.63	—	97651	5.72	5.08	98424	5.90	(a)	99003	1.43	1.77
95310	6.91	2.24	97652	4.96	5.20	98425	2.42	(a)	99004	2.15	2.24

\$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	1.01	10.20	99826	.53	.62						
99081	(a)	—	99827	.37	.63						
99082	(a)	—	99851	1.49	—						
99083	(a)	—	99917	2.41	—						
99084	(a)	(a)	99938	2.71	—						
99085	(a)	(a)	99943	7.85	—						
99111	1.47	—	99946	5.85	3.61						
99160	(a)	—	99948	6.30	33.70						
99163	3.52	.72	99952	3.93	22.70						
99165	.77	(a)	99953	4.24	12.80						
99220	1.39	(a)	99954	3.09	14.40						
99221	(a)	(a)	99955	3.87	13.40						
99222	2.61	(a)	99963	.58	—						
99223	.216	(a)	99969	2.52	3.02						
99303	11.80	—	99975	3.43	—						
99310	2.95	(a)	99986	(a)	—						
99315	8.67	2.09	99987	(a)	—						
99321	8.42	3.13	99988	2.23	—						
99445	(a)	(a)									
99471	.63	—									
99505	4.42	—									
99506	5.44	—									
99507	4.75	—									
99570	2.55	(a)									
99571	.62	(a)									
99572	1.21	(a)									
99573	1.15	(a)									
99600	.94	—									
99613	7.46	2.96									
99614	2.09	—									
99620	.41	—									
99650	1.21	1.07									
99709	2.98	(a)									
99718	1.19	—									
99746	2.02	3.08									
99760	.23	—									
99777	4.65	—									
99793	2.56	—									
99798	(a)	(a)									
99803	(a)	10.80									