

LOSS COSTS – IMPLEMENTATION

JANUARY 18, 2018

GENERAL LIABILITY

LI-GL-2018-002

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## NORTH DAKOTA GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

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### KEY MESSAGE

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

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### BACKGROUND

In circular [LI-GL-2017-126](#), 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 **June 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 June 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.

WE WILL SUBMIT OUR REFERENCE FILING TO THE INSURANCE DEPARTMENT ON MAY 22, 2018. ANY SUBMISSION YOU MAY MAKE WITH THE INSURANCE DEPARTMENT WITH RESPECT TO THIS FILING SHOULD NOT BE SUBMITTED PRIOR TO THIS DATE.

In all correspondence with the Insurance Department on this revision, you should refer to ISO Reference Filing Number [GL-2018-BGL1](#), NOT this circular number.

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

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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 6-18 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

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## REFERENCE(S)

- [LI-GL-2017-126](#) (12/13/2017) General Liability Basic Limit Experience For 2018 Group 1 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
- Proposed Loss Costs Exhibit
- 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

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

NORTH DAKOTA 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 -6.0% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.
- provides the analyses used to derive these advisory loss costs.

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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	-5.4%	-5.4%
OL&T	-5.3%	-5.3%
Premises/Operations	-5.4%	-5.4%
Products	-6.4%	-6.4%
Local Products/Completed Operations	-7.8%	-7.8%
Products/Completed Operations	-7.5%	-7.5%
GL Overall	-6.0%	-6.0%

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

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

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

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**PRIOR ISO REVISIONS** See Page ES-5 for the latest revisions in this jurisdiction.

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HISTORICAL  
SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Calendar - accident year data through year ended 12/31/2016 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 6/1/2018. 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 12/31/2016 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	Travelers Indemnity Co.
2	Cincinnati Insurance Co.
3	Employers Mutual Casualty Co.
4	Zurich American Insurance Co.
5	Admiral Insurance Co.
6	Continental Casualty Co.
7	Nationwide Mut Insurance Co.
8	Liberty Mutual Insurance Co.
9	Chubb and Son Group
10	Nodak Mutual Insurance Co.

PRODUCTS LIABILITY (ASLOB 18.0)

1	Chubb and Son Group
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)	39.1%
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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NORTH DAKOTA  
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		- 8.2%	- 8.2%	- 8.2%
OL&T		+ 1.1%	+ 1.1%	+ 1.1%
Prem/Ops Combined		- 5.7%	- 5.7%	- 5.7%
Products		- 5.8%	- 5.8%	- 5.8%
Local Products/Completed Ops		- 1.9%	- 1.9%	- 1.9%
Products/Completed Operations		- 2.7%	- 2.7%	- 2.7%
General Liability Overall	6/1/2017	- 5.0%	- 5.0%	- 5.0%

Document: GL-2016-BGL1

<u>Coverage</u>	<u>Effective Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		- 8.4%	- 8.4%	- 8.4%
OL&T		+ 2.3%	0.0%	0.0%
Prem/Ops Combined		- 5.9%	- 6.4%	- 6.4%
Products		- 1.9%	- 1.9%	- 1.9%
Local Products/Completed Ops		- 2.0%	- 2.0%	- 2.0%
Products/Completed Operations		- 2.0%	- 2.0%	- 2.0%
General Liability Overall	6/1/2016	- 4.9%	- 5.3%	- 5.3%

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		-10.6%	-15.0%	-15.0%
OL&T		-4.0%	-10.0%	-10.0%
Prem/Ops Combined		- 9.1%	-13.9%	-13.9%
Products		-7.0%	-7.0%	-7.0%
Local Products/Completed Ops		-19.2%	-19.2%	-19.2%
Products/Completed Operations		-16.4%	-16.4%	-16.4%
General Liability Overall	7/1/2015	-10.8%	-14.5%	-14.5%

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PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS  
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**GENERAL LIABILITY OTHER THAN PROFESSIONAL  
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**GENERAL LIABILITY OTHER THAN PROFESSIONAL  
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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NORTH DAKOTA

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

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

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

<u>Summary of Indications and Selected Loss Cost Level Changes</u>	<u>Manufacturers And Contractors</u>	<u>Owners, Landlords and Tenants</u>	<u>Overall Premises/ Operations</u>	<u>Products</u>	<u>Local Products/ Completed Operations</u>	<u>Products/ Completed Operations</u>	<u>Overall General Liability Other Than Professional</u>
Statewide Indicated Monoline-Multiline Loss Cost Level Change (See Section C)	- 4.9%	- 8.0%	- 5.9%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	- 5.4%	- 5.3%	- 5.4%	- 6.4%*	- 7.8%**	- 7.5%	- 6.0%
Statewide Selected Monoline Loss Cost Level Change (See Section C)	- 5.4%	- 5.3%	- 5.4%	- 6.4%*	- 7.8%	- 7.5%	- 6.0%

\* 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.

NORTH DAKOTA

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

<u>CODE</u>	<u>TERRITORY DESCRIPTION</u>	LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT <u>LEVEL (ALCCL)</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
001	Entire State	\$ 2,097,895	- 5.3%	- 5.3%
	STATEWIDE TOTAL	\$ 2,097,895	- 5.3%	- 5.3%

NORTH DAKOTA

PREMISES/OPERATIONS  
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MONO/MULTI <u>ALCCL</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
30	SERVICE	\$ 305,762	- 5.7%	- 6.2%
31	LIGHT CONTRACTING	261,977	- 6.8%	- 7.3%
32	MEDIUM CONTRACTING	1,424,240	- 3.9%	- 4.4%
33	HEAVY CONTRACTING	1,267,866	- 5.3%	- 5.8%
34	DEALERS OR DISTRIBUTORS	333,986	- 6.6%	- 5.4%
35	LIGHT MANUFACTURERS	35,834	- 0.6%	+ 1.3%
36	MEDIUM MANUFACTURERS	181,028	- 7.3%	- 6.5%
37	HEAVY MANUFACTURERS	262,782	- 10.1%	- 9.1%
38	MISCELLANEOUS OPERATIONS	234,315	- 4.0%	- 3.0%
	TOTAL	\$ 4,307,790	- 5.4%	- 5.4%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MONO/MULTI <u>ALCCL</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
01	FOOD AND BEVERAGE (RETAIL)	\$ 160,457	- 8.0%	- 8.6%
02	RESTAURANTS	208,900	- 3.3%	- 3.1%
03	STORES	101,513	- 6.4%	- 6.3%
04	VENDING AND RENTAL	11,886	- 1.9%	- 2.3%
05	FOOD AND BEVERAGE DISTRIBUTORS	37,400	- 3.7%	- 3.9%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	36,356	- 6.4%	- 6.0%
07	CLUBS, AMUSEMENTS AND SPORTS	70,767	- 5.9%	- 6.0%
08	HEALTH CARE FACILITIES	44,758	- 6.0%	- 6.2%
09	HOTELS AND MOTELS	327,010	- 8.1%	- 8.0%
10	SCHOOLS AND CHURCHES	167,924	+ 4.6%	+ 4.6%
11	APARTMENTS	258,071	- 1.8%	- 1.8%
12	BUILDINGS AND OFFICES	645,443	- 7.6%	- 7.7%
13	MISCELLANEOUS PREMISES	25,871	- 3.2%	- 3.2%
16	GOVERNMENTAL SUBDIVISIONS	1,539	- 3.8%	- 3.9%
	TOTAL	\$ 2,097,895	- 5.3%	- 5.3%

NORTH DAKOTA

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

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MULTISTATE MONO/MULTI ALCCL AT MULTISTATE <u>LEVEL</u>	INDICATED MULTISTATE LOSS COST LEVEL <u>CHANGE</u>	LATEST YEAR STATEWIDE MONO/MULTI ALCCL AT CURRENT <u>LEVEL</u>	INDICATED STATEWIDE LOSS COST LEVEL <u>CHANGE</u>	SELECTED STATEWIDE LOSS COST LEVEL <u>CHANGE</u>
03	MANUFACTURERS, DEALERS OR DISTRIBUTORS-FOOD OR DRUG	\$ 46,246,181	- 10.7%	\$ 260,107	- 5.7%	- 5.7%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	45,592,501	- 5.3%	215,552	- 5.3%	- 5.3%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,691,642	- 5.9%	1,001	- 18.7%	- 18.7%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	40,472,764	- 8.2%	102,757	- 10.0%	- 10.0%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	10,893,110	- 8.4%	5,233	- 16.5%	- 16.5%
	PRODUCTS SUBTOTAL	\$ 148,896,198	- 8.0%	\$ 584,650	- 6.4%	- 6.4%
01	RETAIL STORES-FOOD OR DRUG			\$ 28,717	- 20.8%	- 19.7%
02	RETAIL STORES-NOT FOOD OR DRUG			65,775	- 6.8%	- 6.7%
11	COMPLETED OPERATIONS-LOW			45,304	- 10.2%	- 10.3%
12	COMPLETED OPERATIONS-MEDIUM			1,463,988	- 6.4%	- 6.4%
13	COMPLETED OPERATIONS-HIGH			279,695	- 13.6%	- 13.5%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 1,883,479	- 7.8%	- 7.8%
	TOTAL			\$ 2,468,129	- 7.5%	- 7.5%

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.



STATE: 33 - NORTH DAKOTA  
 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	001	.076	.081	-6.2	10160	001	.870	.930	-6.5	11208	001	1.020	1.050	-2.9
10015	001	4.670	4.960	-5.8	10204	001	.088	.094	-6.4	11209	001	4.800	4.940	-2.8
10026	001	.250	.270	-7.4	10205	001	.098	.105	-6.7	11210	001	2.040	2.110	-3.3
10036	001	.350	.370	-5.4	10220	001	1.850	1.970	-6.1	11211	001	10.600	10.900	-2.8
10040	001	.058	.061	-4.9	10255	001	.129	.136	-5.1	11212	001	1.610	1.660	-3.0
10042	001	.145	.155	-6.5	10256	001	.470	.500	-6.0	11213	001	1.310	1.350	-3.0
10052	001	3.230	3.430	-5.8	10257	001	.089	.094	-5.3	11214	001	3.230	3.330	-3.0
10054	001	2.870	3.050	-5.9	10309	001	.064	.068	-5.9	11222	001	.054	.056	-3.6
10060	001	.070	.074	-5.4	10315	001	.150	.159	-5.7	11234	001	.111	.118	-5.9
10065	001	.104	.111	-6.3	10331	001	6.330	6.730	-5.9	11248	001	.025	.026	-3.8
10066	001	.107	.113	-5.3	10332	001	10.900	11.600	-6.0	11258	001	.510	.560	-8.9
10070	001	.043	.046	-6.5	10352	001	.248	.270	-8.1	11259	001	.550	.600	-8.3
10071	001	.125	.133	-6.0	10367	001	2.730	2.820	-3.2	11273	001	5.480	5.840	-6.2
10072	001	3.090	3.190	-3.1	10368	001	4.000	4.120	-2.9	11274	001	5.260	5.600	-6.1
10073	001	.540	.570	-5.3	10378	001	6.410	6.810	-5.9	11288	001	.630	.690	-8.7
10075	001	4.030	4.240	-5.0	10379	001	2.980	3.160	-5.7	12014	001	.053	.056	-5.4
10100	001	.430	.470	-8.5	10380	001	5.080	5.400	-5.9	12356	001	.470	.500	-6.0
10101	001	.094	.100	-6.0	10381	001	4.400	4.680	-6.0	12361	001	.056	.058	-3.4
10105	001	1.020	1.090	-6.4	11007	001	1.160	1.200	-3.3	12362	001	.048	.051	-5.9
10107	001	1.660	1.750	-5.1	11020	001	.119	.127	-6.3	12373	001	.018	.019	-5.3
10110	001	15.900	16.900	-5.9	11039	001	.470	.500	-6.0	12374	001	.242	.260	-6.9
10111	001	.095	.101	-5.9	11052	001	3.220	3.290	-2.1	12375	001	.119	.127	-6.3
10113	001	.141	.150	-6.0	11126	001	.025	.026	-3.8	12391	001	.036	.038	-5.3
10115	001	.280	.300	-6.7	11127	001	.242	.260	-6.9	12393	001	.158	.168	-6.0
10117	001	4.640	4.930	-5.9	11128	001	.330	.350	-5.7	12467	001	.066	.070	-5.7
10120	001	10.400	11.100	-6.3	11138	001	1.580	1.680	-6.0	12509	001	.032	.034	-5.9
10130	001	1.390	1.480	-6.1	11155	001	.084	.089	-5.6	12510	001	.410	.430	-4.7
10132	001	1.200	1.280	-6.2	11167	001	.740	.760	-2.6	12583	001	.182	.192	-5.2
10133	001	3.090	3.160	-2.2	11168	001	3.840	3.930	-2.3	12651	001	.530	.560	-5.4
10140	001	.026	.027	-3.7	11201	001	10.200	10.500	-2.9	12683	001	.243	.260	-6.5
10141	001	.051	.053	-3.8	11202	001	3.010	3.100	-2.9	12707	001	.310	.330	-6.1
10145	001	.247	.260	-5.0	11203	001	.560	.600	-6.7	12797	001	.066	.070	-5.7
10146	001	.190	.208	-8.7	11204	001	.123	.131	-6.1	12805	001	.127	.135	-5.9
10150	001	.195	.207	-5.8	11206	001	.470	.490	-4.1	12841	001	.211	.225	-6.2
10151	001	4.900	5.220	-6.1	11207	001	5.960	6.140	-2.9	12927	001	.037	.039	-5.1

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STATE: 33 - NORTH DAKOTA  
 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
13049	001	.029	.030	-3.3	14734	001	.104	.111	-6.3	16604	001	.109	.114	-4.4
13111	001	.480	.520	-7.7	14855	001	.114	.120	-5.0	16670	001	2.630	2.790	-5.7
13112	001	.047	.049	-4.1	14913	001	.131	.140	-6.4	16676	001	.117	.124	-5.6
13201	001	.470	.490	-4.1	15062	001	.102	.107	-4.7	16694	001	.215	.226	-4.9
13204	001	.530	.560	-5.4	15063	001	.119	.125	-4.8	16705	001	.152	.162	-6.2
13205	001	.204	.215	-5.1	15070	001	.092	.094	-2.1	16750	001	.041	.044	-6.8
13314	001	.047	.050	-6.0	15123	001	3.080	3.150	-2.2	16751	001	.041	.044	-6.8
13351	001	.115	.122	-5.7	15124	001	1.080	1.100	-1.8	16819	001	.620	.650	-4.6
13352	001	.117	.124	-5.6	15188	001	.180	.189	-4.8	16820	001	.480	.500	-4.0
13410	001	.740	.780	-5.1	15223	001	.037	.038	-2.6	16881	001	.640	.680	-5.9
13412	001	.250	.260	-3.8	15224	001	.232	.250	-7.2	16890	001	.072	.076	-5.3
13453	001	.290	.300	-3.3	15314	001	.084	.089	-5.6	16891	001	.079	.083	-4.8
13454	001	.340	.360	-5.6	15404	001	.047	.049	-4.1	16892	001	.144	.151	-4.6
13455	001	.340	.360	-5.6	15405	001	.069	.072	-4.2	16900	001	1.710	1.770	-3.4
13506	001	.360	.380	-5.3	15406	001	.175	.184	-4.9	16901	001	1.100	1.130	-2.7
13507	001	.430	.460	-6.5	15488	001	.440	.460	-4.3	16902	001	.930	.960	-3.1
13590	001	.260	.270	-3.7	15538	001	.150	.159	-5.7	16905	001	1.800	1.860	-3.2
13621	001	.065	.068	-4.4	15600	001	.380	.400	-5.0	16906	001	1.150	1.190	-3.4
13670	001	.031	.032	-3.1	15607	001	.120	.123	-2.4	16910	001	1.030	1.060	-2.8
13673	001	.390	.420	-7.1	15608	001	.084	.089	-5.6	16911	001	.930	.960	-3.1
13715	001	.048	.051	-5.9	15656	001	2.480	2.640	-6.1	16915	001	1.050	1.090	-3.7
13716	001	.178	.190	-6.3	15699	001	.300	.300	0.0	16916	001	.880	.910	-3.3
13720	001	.219	.239	-8.4	15733	001	.114	.120	-5.0	16920	001	2.330	2.410	-3.3
13759	001	.070	.074	-5.4	15839	001	.113	.120	-5.8	16921	001	2.130	2.200	-3.2
13930	001	.102	.108	-5.6	15991	001	.092	.098	-6.1	16930	001	1.340	1.390	-3.6
14068	001	.015	.016	-6.3	15993	001	.078	.083	-6.0	16931	001	1.450	1.490	-2.7
14101	001	.180	.192	-6.3	16005	001	.025	.027	-7.4	16940	001	2.910	3.010	-3.3
14279	001	.247	.260	-5.0	16009	001	.140	.147	-4.8	16941	001	1.170	1.200	-2.5
14401	001	.520	.560	-7.1	16402	001	.560	.590	-5.1	18078	001	.086	.092	-6.5
14405	001	.680	.700	-2.9	16403	001	.350	.380	-7.9	18109	001	.154	.164	-6.1
14527	001	.194	.206	-5.8	16404	001	.440	.470	-6.4	18110	001	.123	.131	-6.1
14655	001	.035	.037	-5.4	16471	001	.169	.174	-2.9	18205	001	.133	.141	-5.7
14731	001	3.190	3.260	-2.1	16501	001	.053	.057	-7.0	18206	001	.199	.212	-6.1
14732	001	.236	.241	-2.1	16527	001	.082	.087	-5.7	18335	001	.143	.153	-6.5
14733	001	.244	.260	-6.2	16588	001	.065	.068	-4.4	18435	001	.450	.490	-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
18436	001	.360	.400	-10.0	41604	001	7.250	6.930	4.6	44070	001	2.390	2.540	-5.9
18437	001	.205	.218	-6.0	41620	001	.850	.880	-3.4	44071	001	2.660	2.830	-6.0
18438	001	.390	.420	-7.1	41650	001	18.600	17.800	4.5	44072	001	1.840	1.950	-5.6
18501	001	.410	.450	-8.9	41664	001	22.000	23.400	-6.0	44100	001	2.960	3.080	-3.9
18506	001	.228	.239	-4.6	41665	001	2.580	2.740	-5.8	44101	001	3.090	3.210	-3.7
18507	001	.074	.079	-6.3	41667	001	60.200	64.000	-5.9	44102	001	2.410	2.500	-3.6
18570	001	.770	.820	-6.1	41668	001	56.500	60.000	-5.8	44103	001	2.130	2.220	-4.1
18616	001	.173	.182	-4.9	41669	001	.400	.420	-4.8	44104	001	.900	.930	-3.2
18707	001	.007	.008	-12.5	41670	001	.660	.710	-7.0	44108	001	1.050	1.090	-3.7
18708	001	.045	.048	-6.3	41677	001	.176	.182	-3.3	44109	001	2.660	2.760	-3.6
18833	001	.085	.091	-6.6	41678	001	40.200	43.500	-7.6	44110	001	2.720	2.830	-3.9
18834	001	.117	.124	-5.6	41680	001	9.660	9.230	4.7	44111	001	1.670	1.730	-3.5
18911	001	.370	.390	-5.1	41696	001	.560	.570	-1.8	44112	001	.990	1.030	-3.9
18912	001	.690	.740	-6.8	41697	001	.390	.400	-2.5	44276	001	43.800	45.200	-3.1
18920	001	.180	.192	-6.3	41715	001	6.130	5.860	4.6	44277	001	28.400	29.300	-3.1
19007	001	1.210	1.230	-1.6	41716	001	3.900	3.730	4.6	44280	001	.176	.182	-3.3
19051	001	2.670	2.730	-2.2	43151	001	8.570	8.850	-3.2	44311	001	4.880	5.180	-5.8
19795	001	.121	.129	-6.2	43152	001	12.000	13.000	-7.7	44315	001	3.280	3.480	-5.7
19796	001	.141	.150	-6.0	43200	001	32.600	33.700	-3.3	44427	001	55.200	58.900	-6.3
40045	001	146.000	155.000	-5.8	43421	001	8.940	9.230	-3.1	44428	001	55.600	59.200	-6.1
40046	001	28.800	30.600	-5.9	43422	001	46.900	48.500	-3.3	44429	001	.830	.890	-6.7
40047	001	10.300	10.900	-5.5	43470	001	3.240	3.340	-3.0	44430	001	.580	.620	-6.5
40059	001	3.670	3.900	-5.9	43518	001	9.450	10.000	-5.5	44431	001	1.850	1.970	-6.1
40061	001	1.950	2.070	-5.8	43550	001	31.900	32.900	-3.0	44432	001	.590	.620	-4.8
40063	001	65.200	69.300	-5.9	43551	001	17.700	18.300	-3.3	44433	001	18.700	19.900	-6.0
40064	001	19.200	20.400	-5.9	43626	001	7.550	8.030	-6.0	44434	001	35.700	38.100	-6.3
40075	001	17.200	17.800	-3.4	43628	001	98.100	104.000	-5.7	44435	001	37.000	39.400	-6.1
40101	001	15.300	16.300	-6.1	43629	001	83.200	88.400	-5.9	44436	001	43.200	46.100	-6.3
40102	001	13.500	14.400	-6.3	43760	001	2.770	2.940	-5.8	44437	001	35.800	38.200	-6.3
40111	001	5.160	5.490	-6.0	43822	001	2.580	2.660	-3.0	44438	001	28.300	30.200	-6.3
41001	001	.174	.185	-5.9	43840	001	.032	.033	-3.0	44439	001	55.100	58.700	-6.1
41421	001	.280	.270	3.7	43860	001	2.030	2.090	-2.9	44440	001	45.600	48.600	-6.2
41422	001	.149	.142	4.9	43889	001	.730	.750	-2.7	45190	001	1.430	1.550	-7.7
41510	001	18.500	19.700	-6.1	44009	001	3.760	3.840	-2.1	45191	001	1.010	1.100	-8.2
41603	001	13.200	12.600	4.8	44069	001	8.070	8.580	-5.9	45192	001	1.180	1.290	-8.5

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
45193	001	.700	.760	-7.9	47475	001	2.790	2.660	4.9	50017	001	.084	.090	-6.7
45210	001	.880	.960	-8.3	47476	001	2.790	2.660	4.9	50045	001	.192	.206	-6.8
45334	001	18.800	19.400	-3.1	47477	001	3.720	3.550	4.8	50047	001	.022	.023	-4.3
45380	001	.133	.140	-5.0	47478	001	3.900	3.730	4.6	51001	001	.059	.065	-9.2
45450	001	5.530	5.710	-3.2	48039	001	23.100	23.900	-3.3	51005	001	.012	.013	-7.7
45678	001	.190	.196	-3.1	48206	001	20.000	21.200	-5.7	51116	001	.150	.165	-9.1
45771	001	.203	.213	-4.7	48441	001	.084	.089	-5.6	51201	001	.029	.031	-6.5
45819	001	.066	.069	-4.3	48557	001	8.390	8.920	-5.9	51205	001	.088	.095	-7.4
45900	001	.043	.046	-6.5	48558	001	7.300	7.760	-5.9	51206	001	.014	.015	-6.7
45901	001	.037	.039	-5.1	48600	001	41.000	44.400	-7.7	51210	001	.104	.114	-8.8
45937	001	.074	.076	-2.6	48636	001	1.720	1.900	-9.5	51220	001	.360	.390	-7.7
46004	001	17.700	16.900	4.7	48637	001	6.410	6.810	-5.9	51221	001	.197	.218	-9.6
46005	001	14.100	13.500	4.4	48638	001	3.180	3.380	-5.9	51222	001	.240	.260	-7.7
46112	001	.060	.064	-6.2	48808	001	.640	.680	-5.9	51224	001	.250	.280	-10.7
46202	001	1.810	1.970	-8.1	48925	001	153.000	163.000	-6.1	51230	001	.043	.047	-8.5
46362	001	140.000	152.000	-7.9	49005	001	.120	.123	-2.4	51240	001	.350	.370	-5.4
46426	001	20.500	22.200	-7.7	49111	001	.970	1.030	-5.8	51241	001	1.040	1.110	-6.3
46427	001	27.400	29.700	-7.7	49181	001	7.560	7.810	-3.2	51250	001	.270	.300	-10.0
46603	001	1.720	1.860	-7.5	49183	001	9.220	9.520	-3.2	51251	001	.030	.032	-6.3
46604	001	1.980	2.150	-7.9	49184	001	19.400	20.100	-3.5	51252	001	.105	.113	-7.1
46606	001	5.290	5.730	-7.7	49185	001	17.700	18.300	-3.3	51253	001	.090	.096	-6.2
46607	001	7.270	7.880	-7.7	49239	001	.100	.105	-4.8	51254	001	.028	.030	-6.7
46622	001	7.530	7.760	-3.0	49292	001	.550	.570	-3.5	51255	001	.690	.760	-9.2
46700	001	65.600	67.800	-3.2	49333	001	4.060	4.190	-3.1	51300	001	.095	.094	1.1
46911	001	14.900	15.900	-6.3	49617	001	.250	.260	-3.8	51305	001	.095	.094	1.1
46912	001	27.400	29.100	-5.8	49618	001	.213	.218	-2.3	51315	001	.065	.068	-4.4
47050	001	.700	.730	-4.1	49619	001	.400	.410	-2.4	51330	001	.105	.116	-9.5
47221	001	72.000	74.300	-3.1	49763	001	2.600	2.660	-2.3	51333	001	.035	.038	-7.9
47318	001	6.140	6.530	-6.0	49801	001	63.400	65.500	-3.2	51340	001	.029	.031	-6.5
47367	001	.176	.182	-3.3	49802	001	5.620	5.810	-3.3	51350	001	.160	.159	0.6
47420	001	1.350	1.430	-5.6	49803	001	9.950	10.300	-3.4	51351	001	.143	.142	0.7
47469	001	2.790	2.660	4.9	49840	001	.730	.750	-2.7	51352	001	.197	.195	1.0
47471	001	2.420	2.310	4.8	49870	001	64.100	68.200	-6.0	51355	001	.134	.133	0.8
47473	001	3.160	3.020	4.6	50010	001	.170	.182	-6.6	51356	001	.144	.143	0.7
47474	001	3.530	3.370	4.7	50015	001	.110	.118	-6.8	51357	001	.092	.097	-5.2

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
51358	001	.221	.233	-5.2	51853	001	.163	.180	-9.4	52341	001	.049	.054	-9.3
51359	001	.194	.204	-4.9	51854	001	.370	.400	-7.5	52342	001	.143	.158	-9.5
51370	001	.340	.370	-8.1	51855	001	.380	.420	-9.5	52343	001	.087	.096	-9.4
51380	001	.034	.037	-8.1	51856	001	.210	.232	-9.5	52401	001	.270	.300	-10.0
51400	001	.247	.270	-8.5	51857	001	.360	.400	-10.0	52402	001	.016	.017	-5.9
51401	001	.360	.400	-10.0	51869	001	.078	.084	-7.1	52432	001	.079	.084	-6.0
51500	001	.064	.069	-7.2	51877	001	.440	.470	-6.4	52433	001	.072	.077	-6.5
51516	001	.053	.054	-1.9	51889	001	.072	.077	-6.5	52435	001	.090	.097	-7.2
51517	001	.060	.062	-3.2	51896	001	.034	.036	-5.6	52438	001	.065	.070	-7.1
51550	001	.080	.085	-5.9	51900	001	.077	.077	0.0	52440	001	.102	.110	-7.3
51551	001	.028	.030	-6.7	51909	001	.230	.250	-8.0	52467	001	.094	.101	-6.9
51552	001	.048	.051	-5.9	51919	001	.073	.078	-6.4	52469	001	.033	.035	-5.7
51553	001	.085	.092	-7.6	51926	001	.074	.080	-7.5	52505	001	.165	.177	-6.8
51554	001	.008	.009	-11.1	51927	001	.040	.043	-7.0	52547	001	.234	.260	-10.0
51575	001	.043	.043	0.0	51934	001	.081	.087	-6.9	52581	001	.800	.860	-7.0
51576	001	.153	.164	-6.7	51941	001	.074	.079	-6.3	52619	001	.056	.060	-6.7
51600	001	.104	.112	-7.1	51942	001	.118	.127	-7.1	52660	001	.063	.065	-3.1
51613	001	.069	.074	-6.8	51956	001	.320	.340	-5.9	52744	001	.400	.390	2.6
51625	001	.054	.060	-10.0	51957	001	.280	.300	-6.7	52767	001	.214	.236	-9.3
51666	001	.068	.067	1.5	51958	001	.250	.270	-7.4	52911	001	.045	.048	-6.3
51702	001	.163	.180	-9.4	51959	001	.260	.270	-3.7	52967	001	.017	.018	-5.6
51703	001	.067	.074	-9.5	51960	001	.034	.036	-5.6	53001	001	.165	.177	-6.8
51734	001	.127	.140	-9.3	51970	001	.147	.157	-6.4	53077	001	.079	.085	-7.1
51741	001	.182	.195	-6.7	51982	001	.043	.046	-6.5	53095	001	.054	.058	-6.9
51752	001	.153	.164	-6.7	51985	001	.049	.051	-3.9	53096	001	.076	.081	-6.2
51767	001	.020	.020	0.0	51986	001	.170	.182	-6.6	53121	001	.215	.230	-6.5
51777	001	.069	.068	1.5	51999	001	.072	.077	-6.5	53147	001	.036	.040	-10.0
51790	001	.115	.114	0.9	52002	001	.063	.067	-6.0	53229	001	.202	.223	-9.4
51796	001	.066	.071	-7.0	52075	001	.201	.221	-9.0	53271	001	.040	.043	-7.0
51808	001	.235	.250	-6.0	52076	001	.242	.270	-10.4	53333	001	.199	.220	-9.5
51809	001	.290	.310	-6.5	52109	001	.016	.017	-5.9	53374	001	.105	.104	1.0
51833	001	.103	.103	0.0	52134	001	.210	.225	-6.7	53375	001	.055	.055	0.0
51850	001	.250	.280	-10.7	52137	001	.079	.087	-9.2	53376	001	.089	.088	1.1
51851	001	.173	.191	-9.4	52150	001	.390	.420	-7.1	53377	001	.091	.090	1.1
51852	001	.400	.450	-11.1	52315	001	.090	.089	1.1	53403	001	.057	.057	0.0

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53425	001	.187	.207	-9.7	56202	001	.060	.064	-6.2	57146	001	.191	.210	-9.0
53565	001	.067	.066	1.5	56390	001	.105	.113	-7.1	57202	001	.074	.080	-7.5
53631	001	.025	.027	-7.4	56391	001	.090	.097	-7.2	57257	001	.092	.099	-7.1
53632	001	.029	.031	-6.5	56427	001	.145	.156	-7.1	57401	001	.052	.056	-7.1
53731	001	.026	.028	-7.1	56488	001	.115	.114	0.9	57403	001	.141	.140	0.7
53732	001	.179	.192	-6.8	56567	001	.191	.210	-9.0	57410	001	.025	.027	-7.4
53733	001	.117	.125	-6.4	56650	001	.580	.640	-9.4	57411	001	.046	.051	-9.8
53734	001	.320	.330	-3.0	56651	001	.320	.350	-8.6	57572	001	.015	.016	-6.3
53803	001	.450	.490	-8.2	56652	001	.227	.250	-9.2	57600	001	.044	.047	-6.4
53907	001	.079	.085	-7.1	56653	001	.219	.241	-9.1	57611	001	.099	.109	-9.2
54012	001	.032	.033	-3.0	56654	001	.112	.123	-8.9	57625	001	.390	.420	-7.1
54077	001	.108	.116	-6.9	56690	001	.060	.059	1.7	57651	001	.047	.051	-7.8
55010	001	.330	.350	-5.7	56699	001	.067	.072	-6.9	57690	001	.128	.142	-9.9
55011	001	.088	.094	-6.4	56758	001	.057	.061	-6.6	57716	001	.061	.067	-9.0
55012	001	.105	.113	-7.1	56759	001	.058	.062	-6.5	57725	001	.133	.147	-9.5
55013	001	.169	.187	-9.6	56760	001	.083	.089	-6.7	57726	001	.104	.114	-8.8
55214	001	.085	.091	-6.6	56805	001	.110	.118	-6.8	57798	001	.024	.026	-7.7
55371	001	.270	.260	3.8	56806	001	.078	.083	-6.0	57800	001	.089	.096	-7.3
55426	001	.206	.227	-9.3	56807	001	.077	.083	-7.2	57808	001	.051	.056	-8.9
55597	001	.021	.023	-8.7	56808	001	.101	.108	-6.5	57809	001	.053	.058	-8.6
55647	001	.043	.046	-6.5	56900	001	.096	.103	-6.8	57810	001	.051	.056	-8.9
55648	001	.019	.021	-9.5	56910	001	.048	.052	-7.7	57871	001	.061	.067	-9.0
55649	001	.023	.025	-8.0	56911	001	.164	.181	-9.4	57913	001	.116	.124	-6.5
55715	001	.169	.181	-6.6	56912	001	.133	.147	-9.5	57997	001	.070	.073	-4.1
55716	001	.244	.260	-6.2	56913	001	.109	.120	-9.2	57998	001	.051	.055	-7.3
55717	001	.270	.300	-10.0	56915	001	.640	.710	-9.9	57999	001	.084	.093	-9.7
55718	001	.260	.290	-10.3	56916	001	.580	.640	-9.4	58009	001	.084	.093	-9.7
55802	001	.069	.068	1.5	56917	001	.168	.185	-9.2	58010	001	.119	.128	-7.0
55918	001	.096	.103	-6.8	56918	001	.081	.089	-9.0	58020	001	.152	.150	1.3
55919	001	.013	.014	-7.1	56919	001	.206	.227	-9.3	58056	001	.142	.152	-6.6
56040	001	.009	.010	-10.0	56920	001	.187	.207	-9.7	58057	001	.089	.096	-7.3
56041	001	.060	.064	-6.2	56980	001	.084	.090	-6.7	58058	001	.080	.086	-7.0
56042	001	.076	.081	-6.2	57001	001	.029	.031	-6.5	58095	001	.113	.121	-6.6
56170	001	.184	.203	-9.4	57002	001	.019	.020	-5.0	58096	001	.150	.161	-6.8
56171	001	.090	.100	-10.0	57090	001	.300	.330	-9.1	58301	001	.064	.071	-9.9

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58302	001	.040	.043	-7.0	59223	001	.192	.212	-9.4	59892	001	.127	.140	-9.3
58397	001	.235	.250	-6.0	59257	001	.016	.017	-5.9	59904	001	.086	.094	-8.5
58408	001	.042	.043	-2.3	59306	001	.102	.109	-6.4	59905	001	.080	.085	-5.9
58409	001	.053	.054	-1.9	59378	001	.125	.138	-9.4	59914	001	.470	.500	-6.0
58456	001	.028	.029	-3.4	59481	001	.270	.290	-6.9	59915	001	.280	.310	-9.7
58457	001	.041	.042	-2.4	59482	001	.310	.310	0.0	59917	001	.053	.058	-8.6
58458	001	.053	.054	-1.9	59537	001	.135	.149	-9.4	59923	001	.011	.012	-8.3
58459	001	.063	.065	-3.1	59601	001	.103	.110	-6.4	59925	001	.199	.209	-4.8
58503	001	.063	.067	-6.0	59647	001	.140	.139	0.7	59926	001	.169	.178	-5.1
58532	001	.081	.087	-6.9	59660	001	.189	.203	-6.9	59927	001	.114	.120	-5.0
58559	001	.017	.018	-5.6	59661	001	.093	.100	-7.0	59931	001	.210	.225	-6.7
58560	001	.040	.043	-7.0	59693	001	.016	.017	-5.9	59932	001	.226	.243	-7.0
58575	001	.051	.055	-7.3	59701	001	.007	.008	-12.5	59941	001	.071	.076	-6.6
58627	001	.165	.177	-6.8	59713	001	.169	.182	-7.1	59947	001	.086	.094	-8.5
58663	001	.420	.470	-10.6	59722	001	.088	.094	-6.4	59955	001	.027	.029	-6.9
58682	001	.146	.157	-7.0	59723	001	.033	.035	-5.7	59963	001	.201	.215	-6.5
58713	001	.044	.044	0.0	59724	001	.051	.054	-5.6	59964	001	.470	.500	-6.0
58737	001	.106	.114	-7.0	59725	001	.063	.068	-7.4	59970	001	.115	.127	-9.4
58756	001	.079	.087	-9.2	59726	001	.046	.049	-6.1	59973	001	.130	.139	-6.5
58757	001	.360	.380	-5.3	59738	001	.146	.157	-7.0	59975	001	.161	.178	-9.6
58759	001	.044	.047	-6.4	59750	001	.100	.111	-9.9	59977	001	.092	.102	-9.8
58802	001	.050	.054	-7.4	59751	001	.036	.040	-10.0	59984	001	.035	.038	-7.9
58813	001	.194	.214	-9.3	59773	001	.018	.018	0.0	59985	001	.139	.149	-6.7
58822	001	.138	.148	-6.8	59774	001	.015	.015	0.0	59986	001	.106	.114	-7.0
58837	001	.390	.430	-9.3	59775	001	.019	.019	0.0	59988	001	.041	.045	-8.9
58840	001	.117	.129	-9.3	59781	001	.087	.096	-9.4	59989	001	.019	.020	-5.0
58873	001	.186	.205	-9.3	59782	001	.130	.143	-9.1	60010	001	9.920	10.100	-1.8
58903	001	.032	.034	-5.9	59783	001	.127	.140	-9.3	60011	001	11.400	11.600	-1.7
58904	001	.024	.026	-7.7	59784	001	.097	.107	-9.3	60012	001	18.700	19.100	-2.1
58922	001	.310	.340	-8.8	59790	001	.113	.121	-6.6	60013	001	16.100	16.400	-1.8
59005	001	.060	.064	-6.2	59798	001	.330	.360	-8.3	60015	001	12.000	12.300	-2.4
59057	001	.440	.480	-8.3	59806	001	.237	.260	-8.8	60016	001	13.500	13.800	-2.2
59058	001	.290	.310	-6.5	59867	001	.127	.136	-6.6	60035	001	24.600	26.600	-7.5
59188	001	.300	.300	0.0	59886	001	.017	.018	-5.6	61000	001	9.820	10.000	-1.8
59189	001	.410	.410	0.0	59889	001	.059	.058	1.7	61212	001	13.200	14.300	-7.7

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61216	001	14.700	15.900	-7.5	67635	001	19.800	21.500	-7.9	91343	001	.770	.800	-3.8
61217	001	13.400	14.500	-7.6	68001	001	60.600	65.600	-7.6	91405	001	5.380	5.810	-7.4
61218	001	9.130	9.880	-7.6	68439	001	77.900	84.400	-7.7	91436	001	3.930	4.100	-4.1
61223	001	61.600	66.800	-7.8	68500	001	2.180	2.230	-2.2	91481	001	14.300	15.000	-4.7
61224	001	21.800	23.600	-7.6	68604	001	1.450	1.580	-8.2	91507	001	2.110	2.210	-4.5
61225	001	30.300	32.800	-7.6	68606	001	5.690	6.160	-7.6	91523	001	32.600	34.000	-4.1
61226	001	48.300	52.300	-7.6	68607	001	4.500	4.870	-7.6	91547	001	.185	.194	-4.6
61227	001	44.200	47.800	-7.5	68702	001	3.700	4.010	-7.7	91551	001	1.150	1.200	-4.2
62000	001	10.100	10.900	-7.3	68703	001	2.780	3.010	-7.6	91555	001	1.570	1.670	-6.0
62001	001	7.540	8.160	-7.6	68706	001	11.900	12.900	-7.8	91560	001	5.180	5.500	-5.8
62002	001	3.440	3.720	-7.5	68707	001	11.800	12.700	-7.1	91562	001	2.560	2.670	-4.1
62003	001	10.800	11.700	-7.7	90089	001	3.320	3.470	-4.3	91577	001	9.150	9.560	-4.3
63010	001	17.900	18.200	-1.6	91111	001	3.360	3.580	-6.1	91580	001	6.840	7.260	-5.8
63011	001	22.300	22.800	-2.2	91125	001	2.000	2.090	-4.3	91590	001	2.650	2.780	-4.7
63012	001	31.700	32.400	-2.2	91127	001	2.260	2.410	-6.2	91606	001	14.200	15.100	-6.0
63013	001	30.100	30.700	-2.0	91130	001	1.450	1.540	-5.8	91629	001	2.900	3.080	-5.8
63215	001	35.800	38.800	-7.7	91135	001	.400	.430	-7.0	91636	001	4.970	5.280	-5.9
63216	001	24.900	26.900	-7.4	91150	001	2.130	2.270	-6.2	91641	001	1.350	1.430	-5.6
63217	001	29.200	31.100	-6.1	91155	001	4.740	5.050	-6.1	91666	001	.720	.750	-4.0
63218	001	9.850	10.500	-6.2	91160	001	.800	.840	-4.8	91722	001	4.350	4.620	-5.8
64074	001	10.100	10.900	-7.3	91175	001	.690	.720	-4.2	91746	001	2.560	2.670	-4.1
64075	001	7.090	7.710	-8.0	91177	001	3.020	3.160	-4.4	91805	001	.160	.168	-4.8
65007	001	21.800	23.600	-7.6	91179	001	3.040	3.180	-4.4	92053	001	.390	.410	-4.9
66122	001	9.390	10.200	-7.9	91190	001	1.630	1.700	-4.1	92054	001	.136	.142	-4.2
66123	001	5.160	5.590	-7.7	91200	001	.830	.880	-5.7	92055	001	3.790	3.960	-4.3
66309	001	15.100	16.300	-7.4	91235	001	2.600	2.780	-6.5	92101	001	5.920	6.200	-4.5
66561	001	34.900	37.800	-7.7	91250	001	3.920	4.180	-6.2	92102	001	3.570	3.730	-4.3
67017	001	32.400	35.100	-7.7	91265	001	17.700	18.800	-5.9	92215	001	3.730	3.980	-6.3
67508	001	22.300	21.300	4.7	91266	001	9.370	9.950	-5.8	92338	001	1.370	1.430	-4.2
67509	001	16.400	15.600	5.1	91302	001	10.500	11.300	-7.1	92445	001	2.850	3.020	-5.6
67510	001	9.110	8.700	4.7	91315	001	3.180	3.430	-7.3	92446	001	4.510	4.710	-4.2
67511	001	9.850	9.410	4.7	91324	001	7.070	7.630	-7.3	92447	001	3.940	4.120	-4.4
67512	001	42.200	40.300	4.7	91340	001	4.620	4.980	-7.2	92451	001	2.600	2.780	-6.5
67513	001	26.800	25.600	4.7	91341	001	3.470	3.630	-4.4	92453	001	2.490	2.610	-4.6
67634	001	28.000	30.400	-7.9	91342	001	4.240	4.570	-7.2	92478	001	1.230	1.290	-4.7

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STATE: 33 - NORTH DAKOTA  
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
92593	001	34.200	36.500	-6.3	97050	001	2.500	2.700	-7.4	98308	001	.880	.920	-4.3
92663	001	.670	.710	-5.6	97111	001	4.070	4.260	-4.5	98309	001	6.210	6.600	-5.9
94007	001	8.460	8.840	-4.3	97220	001	.390	.410	-4.9	98344	001	.720	.780	-7.7
94099	001	1.930	2.010	-4.0	97222	001	1.730	1.840	-6.0	98405	001	1.190	1.280	-7.0
94225	001	6.780	7.090	-4.4	97223	001	2.600	2.780	-6.5	98413	001	11.100	11.600	-4.3
94276	001	3.530	3.690	-4.3	97308	001	.730	.770	-5.2	98414	001	10.100	10.600	-4.7
94304	001	3.330	3.550	-6.2	97447	001	2.380	2.530	-5.9	98415	001	1.330	1.390	-4.3
94381	001	6.250	6.660	-6.2	97650	001	2.810	2.940	-4.4	98423	001	3.170	3.320	-4.5
94404	001	3.350	3.500	-4.3	97651	001	7.040	7.480	-5.9	98424	001	5.380	5.630	-4.4
94569	001	2.260	2.360	-4.2	97652	001	6.110	6.490	-5.9	98425	001	2.210	2.310	-4.3
94590	001	9.740	10.200	-4.5	97653	001	2.410	2.520	-4.4	98426	001	1.950	2.040	-4.4
94617	001	3.070	3.210	-4.4	97654	001	4.200	4.390	-4.3	98427	001	1.900	1.990	-4.5
95124	001	1.140	1.190	-4.2	97655	001	5.440	5.770	-5.7	98429	001	1.290	1.370	-5.8
95233	001	2.430	2.540	-4.3	98002	001	.980	1.040	-5.8	98449	001	2.730	2.850	-4.2
95305	001	2.640	2.760	-4.3	98003	001	.750	.790	-5.1	98482	001	2.930	3.060	-4.2
95306	001	5.700	6.050	-5.8	98090	001	.101	.106	-4.7	98483	001	4.320	4.520	-4.4
95310	001	6.310	6.600	-4.4	98091	001	.110	.115	-4.3	98502	001	4.140	4.320	-4.2
95357	001	1.450	1.540	-5.8	98092	001	.330	.350	-5.7	98555	001	1.930	2.010	-4.0
95410	001	3.410	3.560	-4.2	98111	001	.660	.700	-5.7	98597	001	.430	.450	-4.4
95455	001	6.010	6.380	-5.8	98152	001	3.310	3.520	-6.0	98598	001	.148	.155	-4.5
95487	001	1.830	1.910	-4.2	98153	001	3.730	3.960	-5.8	98601	001	4.950	5.180	-4.4
95505	001	2.800	2.970	-5.7	98154	001	4.400	4.670	-5.8	98624	001	.780	.810	-3.7
95620	001	1.480	1.550	-4.5	98155	001	6.160	6.540	-5.8	98636	001	3.200	3.410	-6.2
95625	001	5.000	5.390	-7.2	98157	001	3.940	4.180	-5.7	98640	001	85.300	89.200	-4.4
95647	001	3.140	3.340	-6.0	98159	001	2.640	2.800	-5.7	98658	001	6.370	6.760	-5.8
96053	001	2.390	2.540	-5.9	98160	001	5.590	5.940	-5.9	98659	001	1.140	1.210	-5.8
96317	001	1.500	1.590	-5.7	98161	001	6.270	6.650	-5.7	98677	001	13.500	14.100	-4.3
96408	001	2.950	3.080	-4.2	98163	001	6.580	6.980	-5.7	98678	001	11.900	12.500	-4.8
96409	001	2.730	2.850	-4.2	98164	001	2.200	2.340	-6.0	98699	001	3.890	4.070	-4.4
96410	001	2.390	2.500	-4.4	98257	001	1.140	1.190	-4.2	98705	001	9.010	9.570	-5.9
96611	001	1.060	1.140	-7.0	98303	001	12.400	13.100	-5.3	98710	001	2.700	2.830	-4.6
96702	001	3.390	3.550	-4.5	98304	001	4.210	4.400	-4.3	98751	001	4.820	5.110	-5.7
96816	001	3.180	3.330	-4.5	98305	001	2.580	2.790	-7.5	98805	001	3.530	3.690	-4.3
96872	001	5.330	5.660	-5.8	98306	001	6.650	7.180	-7.4	98806	001	2.980	3.180	-6.3
97047	001	3.220	3.470	-7.2	98307	001	1.330	1.390	-4.3	98810	001	3.640	3.930	-7.4

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98813	001	3.520	3.790	-7.1	99746	001	1.840	1.920	-4.2					
98820	001	6.740	7.050	-4.4	99760	001	.210	.219	-4.1					
98884	001	1.750	1.830	-4.4	99777	001	6.310	6.810	-7.3					
98914	001	.780	.820	-4.9	99793	001	2.330	2.440	-4.5					
98949	001	1.090	1.150	-5.2	99826	001	.720	.780	-7.7					
98967	001	2.750	2.880	-4.5	99827	001	.330	.350	-5.7					
98993	001	6.120	6.520	-6.1	99851	001	1.360	1.420	-4.2					
99003	001	1.310	1.370	-4.4	99917	001	2.200	2.300	-4.3					
99004	001	2.920	3.150	-7.3	99938	001	2.470	2.580	-4.3					
99080	001	.930	.970	-4.1	99943	001	7.160	7.490	-4.4					
99111	001	1.350	1.410	-4.3	99946	001	5.330	5.580	-4.5					
99163	001	3.210	3.360	-4.5	99948	001	7.380	7.860	-6.1					
99165	001	.700	.740	-5.4	99952	001	5.340	5.760	-7.3					
99220	001	1.710	1.810	-5.5	99953	001	5.760	6.220	-7.4					
99222	001	3.210	3.410	-5.9	99954	001	4.190	4.530	-7.5					
99223	001	.197	.207	-4.8	99955	001	5.250	5.670	-7.4					
99303	001	10.800	11.300	-4.4	99963	001	.530	.560	-5.4					
99310	001	2.690	2.810	-4.3	99969	001	3.110	3.300	-5.8					
99315	001	7.910	8.270	-4.4	99975	001	4.660	5.030	-7.4					
99321	001	7.680	8.030	-4.4	99988	001	2.740	2.910	-5.8					
99471	001	.780	.820	-4.9										
99505	001	5.180	5.520	-6.2										
99506	001	6.370	6.790	-6.2										
99507	001	5.550	5.920	-6.3										
99570	001	2.980	3.180	-6.3										
99571	001	.720	.770	-6.5										
99572	001	1.410	1.510	-6.6										
99573	001	1.350	1.440	-6.3										
99600	001	1.270	1.370	-7.3										
99613	001	6.800	7.110	-4.4										
99614	001	2.840	3.060	-7.2										
99620	001	.370	.390	-5.1										
99650	001	1.410	1.510	-6.6										
99709	001	3.480	3.710	-6.2										
99718	001	1.090	1.140	-4.4										

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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	.132	.183	-27.9 L	13759	.110	.145	-24.1
10026	.018	.018	0.0	11288	.074	.092	-19.6	13930	.205	.201	2.0
10040	.300	.310	-3.2	12014	.031	.043	-27.9	14068	.018	.020	-10.0
10042	.300	.280	7.1	12356	.026	.032	-18.8	14101	.029	.033	-12.1
10060	.065	.079	-17.7	12361	.091	.095	-4.2	14279	.065	.090	-27.8 L
10065	.022	.030	-26.7	12373	.031	.036	-13.9	14401	.137	.181	-24.3
10066	.057	.050	14.0	12374	.069	.095	-27.4 L	14527	.202	.206	-1.9
10070	.141	.143	-1.4	12375	.048	.066	-27.3 L	14855	.200	.217	-7.8
10071	.095	.106	-10.4	12391	.100	.107	-6.5	14913	.121	.124	-2.4
10073	.600	.640	-6.3	12509	.047	.052	-9.6	15223	.035	.040	-12.5
10075	.127	.153	-17.0	12510	.028	.035	-20.0	15224	.058	.071	-18.3
10100	.042	.058	-27.6 L	12651	.560	.590	-5.1	15406	.047	.050	-6.0
10101	.191	.198	-3.5	12707	.790	.790	0.0	15538	.018	.023	-21.7
10107	.162	.206	-21.4	12797	.168	.176	-4.5	15600	.084	.103	-18.4
10111	.098	.106	-7.5	12805	.103	.097	6.2	15608	.009	.011	-18.2
10115	.077	.100	-23.0	13049	.058	.063	-7.9	15733	.044	.052	-15.4
10140	.020	.022	-9.1	13111	.113	.141	-19.9	15839	.023	.031	-25.8
10141	.022	.025	-12.0	13112	.083	.070	18.6	15991	.062	.077	-19.5
10145	.010	.013	-23.1 L	13201	.201	.221	-9.0	15993	.041	.041	0.0
10146	.018	.025	-28.0 L	13204	1.240	1.130	9.7	16005	.040	.042	-4.8
10255	.152	.177	-14.1	13205	.450	.440	2.3	16009	.073	.059	23.7 U
10256	.158	.162	-2.5	13314	.020	.022	-9.1	16403	.082	.113	-27.4 L
10257	.187	.196	-4.6	13351	.034	.030	13.3	16527	.420	.430	-2.3
10309	.016	.022	-27.3	13352	.043	.052	-17.3	16604	.212	.290	-26.9
10352	.080	.110	-27.3 L	13410	2.550	2.670	-4.5	16676	.012	.015	-20.0
11020	.102	.082	24.4 U	13412	1.110	1.040	6.7	16705	.173	.188	-8.0
11039	.063	.075	-16.0	13506	.082	.091	-9.9	16750	.041	.045	-8.9
11126	.024	.026	-7.7	13507	.160	.182	-12.1	16900	.110	.139	-20.9
11127	.009	.012	-25.0	13590	.770	.850	-9.4	16901	.169	.163	3.7
11128	.054	.053	1.9	13621	.420	.440	-4.5	16902	.083	.114	-27.2 L
11203	.650	.720	-9.7	13670	.013	.015	-13.3	16905	.110	.139	-20.9
11204	1.510	1.550	-2.6	13673	.011	.012	-8.3	16906	.169	.163	3.7
11234	.061	.077	-20.8	13715	.151	.153	-1.3	16910	.071	.086	-17.4
11248	.022	.024	-8.3	13716	.082	.094	-12.8	16911	.062	.076	-18.4
11258	.238	.330	-27.9 L	13720	.057	.079	-27.8 L	16915	.063	.073	-13.7

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LOSS COST % CHANGE BY CLASS

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16916	.067	.091	-26.4	51116	.550	.590	-6.8	51666	.127	.102	24.5 U
16920	.126	.162	-22.2	51205	.111	.135	-17.8	51734	.360	.420	-14.3
16921	.066	.091	-27.5 L	51206	.610	.750	-18.7	51741	.280	.320	-12.5
16930	.175	.195	-10.3	51220	3.250	3.240	0.3	51752	.199	.250	-20.4
16931	.081	.112	-27.7 L	51221	2.440	2.400	1.7	51767	.012	.016	-25.0 L
16940	.067	.092	-27.2 L	51222	3.380	3.280	3.0	51777	.084	.097	-13.4
16941	.119	.164	-27.4 L	51224	1.190	1.220	-2.5	51808	.760	.800	-5.0
18078	.144	.123	17.1	51230	.880	.960	-8.3	51809	.184	.216	-14.8
18109	.029	.035	-17.1	51240	.213	.250	-14.8	51833	.103	.142	-27.5 L
18110	.036	.050	-28.0	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	.067	.069	-2.9	51254	.060	.073	-17.8	51889	.020	.027	-25.9 L
18335	.013	.017	-23.5	51300	.209	.260	-19.6	51896	.023	.028	-17.9
18435	.051	.060	-15.0	51305	1.230	1.510	-18.5	51900	.105	.120	-12.5
18436	.202	.280	-27.9 L	51315	.116	.139	-16.5	51909	.066	.076	-13.2
18501	.014	.019	-26.3	51330	.430	.490	-12.2	51926	.049	.054	-9.3
18506	.006	.007	-14.3	51333	.340	.330	3.0	51927	.126	.157	-19.7
18507	.007	.009	-22.2	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	.010	.011	-9.1	51355	.116	.141	-17.7	51957	.420	.410	2.4
18834	.082	.101	-18.8	51356	.850	1.050	-19.0	51958	.390	.530	-26.4
18911	.016	.019	-15.8	51357	.430	.540	-20.4	51960	.420	.490	-14.3
18912	.027	.029	-6.9	51358	.175	.211	-17.1	51970	.250	.247	1.2
18920	.017	.020	-15.0	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	.044	.061	-27.9 L	51380	.072	.088	-18.2	51999	.540	.630	-14.3
45900	.067	.092	-27.2 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	.138	.145	-4.8	51552	.169	.173	-2.3	52315	.270	.290	-6.9
49618	.040	.048	-16.7	51575	.028	.035	-20.0	52433	1.460	1.660	-12.0
49619	.073	.074	-1.4	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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LOSS COST % CHANGE BY CLASS

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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	.017	.017	0.0	58904	.152	.177	-14.1
53377	.270	.330	-18.2	57002	.130	.161	-19.3	58922	.241	.227	6.2
53565	.158	.207	-23.7	57090	.710	.820	-13.4	59005	.108	.137	-21.2
53631	.025	.029	-13.8	57146	.730	.860	-15.1	59188	.065	.075	-13.3
53632	.040	.046	-13.0	57257	.050	.040	25.0 U	59189	.350	.410	-14.6
53732	.600	.700	-14.3	57401	.113	.131	-13.7	59223	.087	.099	-12.1
53733	.260	.290	-10.3	57403	.041	.048	-14.6	59257	.021	.028	-25.0 L
53907	.139	.155	-10.3	57410	.188	.260	-27.7 L	59378	.175	.203	-13.8
54077	.390	.350	11.4	57572	.107	.118	-9.3	59481	.101	.121	-16.5
55010	1.250	1.370	-8.8	57600	.039	.047	-17.0	59537	.172	.181	-5.0
55011	1.140	1.290	-11.6	57611	.075	.089	-15.7	59601	3.050	2.720	12.1
55012	1.320	1.440	-8.3	57651	.050	.066	-24.2	59647	.205	.249	-17.7
55013	1.050	1.180	-11.0	57690	.640	.820	-22.0	59660	1.200	1.110	8.1
55214	.103	.119	-13.4	57716	.106	.129	-17.8	59701	.227	.250	-9.2
55371	.158	.200	-21.0	57725	.094	.094	0.0	59713	.370	.400	-7.5
55597	1.990	2.170	-8.3	57726	.019	.022	-13.6	59722	.036	.041	-12.2
55647	.080	.110	-27.3 L	57810	.126	.146	-13.7	59723	.044	.051	-13.7
55715	.270	.320	-15.6	57871	.127	.139	-8.6	59724	.031	.039	-20.5
55716	.590	.610	-3.3	57913	.430	.590	-27.1 L	59725	.103	.117	-12.0
55802	.013	.017	-23.5	57998	.067	.079	-15.2	59726	.026	.028	-7.1
55918	4.300	5.280	-18.6	57999	.081	.093	-12.9	59738	.077	.090	-14.4
55919	4.860	5.900	-17.6	58095	1.950	2.030	-3.9	59750	.280	.310	-9.7
56040	.057	.078	-26.9 L	58096	1.060	1.150	-7.8	59773	.032	.037	-13.5
56202	.126	.159	-20.8	58301	.086	.090	-4.4	59774	.175	.203	-13.8
56390	.620	.620	0.0	58302	.064	.075	-14.7	59775	.211	.230	-8.3

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

STATE: 33 - NORTH DAKOTA  
 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	3.960	3.820	3.7	96409	9.880	9.080	8.8
59782	.690	.910	-24.2	91342	4.730	4.740	-0.2	96410	9.050	10.100	-10.4
59798	.530	.550	-3.6	91343	1.420	1.360	4.4	96611	1.670	1.500	11.3
59886	.131	.155	-15.5	91436	2.730	3.140	-13.1	97221	1.080	1.490	-27.5
59889	.169	.198	-14.6	91507	3.950	4.640	-14.9	97222	2.440	2.960	-17.6
59904	.080	.101	-20.8	91551	.700	.860	-18.6	97223	3.380	3.290	2.7
59905	.138	.150	-8.0	91555	1.150	1.400	-17.9	97447	4.710	4.930	-4.5
59914	.700	.760	-7.9	91560	4.950	4.750	4.2	97650	3.920	4.450	-11.9
59915	.880	.970	-9.3	91577	2.840	3.390	-16.2	97651	4.540	5.210	-12.9
59917	.164	.154	6.5	91746	5.010	5.820	-13.9	97652	4.700	5.420	-13.3
59923	.007	.009	-22.2 L	92053	.600	.640	-6.3	97653	2.640	2.690	-1.9
59925	1.060	1.250	-15.2	92054	.320	.390	-17.9	97654	2.980	3.390	-12.1
59926	.490	.590	-16.9	92055	.300	.370	-18.9	97655	5.330	6.250	-14.7
59927	1.710	1.710	0.0	92101	2.730	2.830	-3.5	98002	1.100	1.320	-16.7
59931	.690	.790	-12.7	92102	2.900	3.200	-9.4	98152	.390	.400	-2.5
59932	1.110	1.340	-17.2	92215	3.180	3.120	1.9	98157	.500	.650	-23.1
59947	.390	.440	-11.4	92338	2.110	2.070	1.9	98163	.340	.460	-26.1 L
59955	.171	.200	-14.5	92446	2.020	2.330	-13.3	98164	.108	.150	-28.0 L
59963	.540	.670	-19.4	92447	1.870	2.200	-15.0	98303	10.000	9.740	2.7
59964	.066	.075	-12.0	92451	2.050	2.050	0.0	98304	3.580	3.660	-2.2
59970	.212	.249	-14.9	92478	1.950	1.980	-1.5	98305	1.590	1.580	0.6
59975	.237	.230	3.0	94007	5.520	6.630	-16.7	98306	1.110	1.350	-17.8
59984	.064	.072	-11.1	94276	5.350	5.760	-7.1	98307	.710	.840	-15.5
59988	.069	.080	-13.7	94381	17.500	20.200	-13.4	98308	.700	.600	16.7
59989	.052	.060	-13.3	94404	6.270	8.660	-27.6	98309	3.450	4.130	-16.5
91111	6.180	6.290	-1.7	94569	2.790	3.130	-10.9	98344	.590	.630	-6.3
91125	2.890	4.010	-27.9 L	95124	.660	.750	-12.0	98449	26.700	25.200	6.0
91127	1.780	2.270	-21.6	95310	1.420	1.960	-27.6 L	98482	7.720	8.340	-7.4
91150	5.750	6.140	-6.4	95410	3.180	3.100	2.6	98483	18.700	19.700	-5.1
91155	39.600	38.200	3.7	95455	2.270	2.640	-14.0	98502	3.830	4.140	-7.5
91235	2.380	2.720	-12.5	95505	2.350	2.810	-16.4	98636	3.530	3.580	-1.4
91265	3.190	4.420	-27.8 L	95625	3.210	3.410	-5.9	98659	.570	.790	-27.8 L
91266	1.060	1.460	-27.4 L	95647	5.500	5.740	-4.2	98677	12.100	14.500	-16.6
91280	3.090	4.290	-28.0 L	96053	5.170	5.800	-10.9	98678	15.500	18.000	-13.9
91340	8.720	9.320	-6.4	96408	14.900	19.600	-24.0	98805	1.320	1.560	-15.4

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STATE: 33 - NORTH DAKOTA  
 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	3.220	3.670	-12.3								
98813	2.510	2.460	2.0								
98820	3.920	4.700	-16.6								
98884	1.550	1.780	-12.9								
98914	.780	1.070	-27.1	L							
98949	.460	.630	-27.0	L							
98967	6.940	8.140	-14.7								
98993	4.110	5.310	-22.6								
99003	1.500	1.200	25.0	U							
99004	2.030	2.170	-6.5								
99080	8.510	7.960	6.9								
99163	.680	.940	-27.7	L							
99315	1.700	1.990	-14.6								
99321	2.580	2.850	-9.5								
99613	2.430	2.790	-12.9								
99650	.970	.980	-1.0								
99746	2.630	3.000	-12.3								
99803	7.260	9.600	-24.4								
99826	.590	.660	-10.6								
99827	.530	.640	-17.2								
99946	2.930	3.160	-7.3								
99948	28.300	30.400	-6.9								
99952	21.900	21.000	4.3								
99953	11.500	12.400	-7.3								
99954	10.700	10.800	-0.9								
99955	13.700	18.900	-27.5	L							
99969	2.420	2.420	0.0								

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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.

---

STEP 1:  
DETERMINATION  
OF INDICATED  
LOSS COST  
LEVEL CHANGES                      The first step in this process is the determination of the statewide loss cost level indication for Owners, Landlords and Tenants and for Manufacturers and Contractors. A multistate loss cost level indication is determined for Products and for Local Products/Completed Operations. This loss cost indication represents the percentage change that on average must be made to the current ISO loss costs in order to achieve adequacy for the prospective conditions. The percentage changes are presented in Section C - Calculation of Indications.

---

STEP 2:  
DISTRIBUTION OF  
BASIC LIMIT LOSS  
COST LEVEL  
INDICATION                      For Owners, Landlords and Tenants and for Manufacturers and Contractors, ISO then distributes the statewide basic limit loss cost indication to the individual types of policy, territories and class groups using a minimum bias iterative procedure (territory is used for Owners, Landlords and Tenants only).

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

---

METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 3:  
APPLICATION OF  
PERCENTAGE  
CHANGES

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

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

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

---



METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

INCURRED  
LOSSES  
& LAE

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

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

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

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

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

---

EXPERIENCE  
RATIO

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

---

EXPECTED  
EXPERIENCE  
RATIO

The expected experience ratio is our best prediction of the experience ratio if the most recent data were not available. For this review we have assumed that the current loss costs will be inadequate for the prospective period to the extent of the net trend and the level of adequacy of the current loss costs. The expected experience ratio is calculated as the net trend factor projected for the number of years between the last review date and the assumed effective date of this document, multiplied by the prior indication divided by the change in loss cost level resulting from that indication. See Section C - Determination of Indicated Loss Cost Level Change, footnote C.

---

METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

CREDIBILITY                      For Premises/Operations, credibility is based upon the number of occurrences for all years in the experience period. Products/Completed Operations data is assumed to be fully credible. The procedure for assigning credibility is outlined in Credibility Standards in this section.

---

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.

---

METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 2 - DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION

**OBJECTIVE** For Premises/Operations, the objective of this procedure is to distribute the statewide basic limit loss cost level indication to the individual types of policy, territories and class groups using a minimum bias iterative procedure. This procedure is used to answer the question: What percentage changes by territory and class group must be made to the current ISO loss costs in order to achieve adequacy for the prospective conditions? Similarly, for Products, the multistate basic limit loss cost level change is distributed via the minimum bias iterative procedure to type of policy and class group. For Local Products/Completed Operations the change is also distributed to state.

---

**PREMISES/  
OPERATIONS** For Premises/Operations, this procedure arrives at a set of type of policy, class group and territory relative changes that best represent the experience within each state. The type of policy relative changes serve to derive the relationship of the CPP policies relative to monoline policies, via the PMF, while the class group and territory relative changes serve to derive the relationship of the various classifications and territories relative to one another.

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

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

---

**PRODUCTS** Products is reviewed using multistate data; a two-way minimum bias iterative procedure is used to arrive at a set of type of policy and class group relative changes that best represent the experience. The type of policy relative changes serve to derive the relationship of CPP policies relative to monoline policies, via the PMF, while the class group relative changes serve to derive the relationship of the various classifications relative to one another.

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

METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

PRODUCTS(Cont'd)

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

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

---

LOCAL PRODUCTS/  
COMPLETED  
OPERATIONS

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

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

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

---

EXPLANATORY NOTES TO DETERMINATION OF INDICATED  
LOSS COST LEVEL CHANGE

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

The loss cost level indication is based upon a review of the latest three years of basic limit experience of companies reporting to Insurance Services Office, Inc. For Premises/Operations, data for accident years ending December 31, 2014, 2015 and 2016 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  $i^{th}$  type of policy;

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

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

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

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

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

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

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

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE  
PROCEDURE  
(Cont'd)

For Manufacturers and Contractors, and Products:

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

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

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

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

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

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

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

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

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

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

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

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

## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### ITERATIVE PROCEDURE (Cont'd)

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

---

### APPLICATION OF CREDIBILITY

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

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

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

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

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

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

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

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

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

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

W is the credibility-weighted relative change.

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

---

## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### MULTILINE CONSIDERATIONS

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

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

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

---

### MONOLINE INDICATIONS -- PREMISES/ OPERATIONS

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

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

Territory applies to Owners, Landlords and Tenants only.

---

### MONOLINE INDICATIONS -- PRODUCTS

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

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

---

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MONOLINE  
INDICATIONS --  
LOCAL PRODUCTS/  
COMPLETED  
OPERATIONS

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

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

---

## EXPLANATORY NOTES TO

### IMPLICIT PACKAGE MODIFICATION FACTORS

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

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

## EXPLANATION OF EXPOSURE DEVELOPMENT

### IMPORTANCE OF APPLICATION

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

---

### APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

The earned exposures underlying the Premises/Operations statewide loss cost level indications are evaluated as of March 31, 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 12/31/2016 and 12/31/2015 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 March 31, 2017 for Premises/ Operations and 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.

---

### 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 March 31, 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 12/31/2016, 12/31/2015 and 12/31/2014 must be adjusted to an ultimate settlement basis. This adjustment is accomplished through the use of a loss development factor.

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

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

## EXPLANATION OF LOSS DEVELOPMENT

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

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

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

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

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

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

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

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

---

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

### OBJECTIVE

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

Traditional development procedures customarily used for losses apply a loss development factor to reported losses at various evaluation points. For example, a '15-month to ultimate' factor would be applied to the losses for accident year ended December 31, 2016 evaluated as of March 31, 2017. If an analogous procedure is used for ALAE, the variability of the experience can lead to unusually high (or low) estimates of ultimate ALAE.

---

### INCREMENTAL ALAE PERCENTAGES

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

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

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

---

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

### DESCRIPTION OF METHODOLOGY

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

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

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

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

---

### APPLICATION

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

These calculations are shown in Section E - Loss Development.

---

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

FRINGE Because there is a lower volume of data for the fringe coverage, the incremental ALAE percentages are calculated using multistate data and applied to state ultimate indemnity losses (capped at \$500,000).

---

PRODUCTS Products ALAE is developed to 171 months using multistate data and the incremental method above. Because Products ALAE historically has more substantial development beyond 171 months, multistate link ratios are calculated to develop ALAE from 171 months to ultimate, using the standard link-ratio methodology (see Explanation of Loss Development in this section).

---

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

---

EXPLANATION OF MODIFIED BONDY METHOD

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

Accident Year	171 to 183 Months	183 to 195 Months	195 to 207 Months	207 to 219 Months	219 to 231 Months	231 to 243 Months	243 Months To Ultimate
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.

---

### SEVERITY TREND

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

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

SEVERITY  
TREND  
(Cont'd)

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

---

FREQUENCY  
TREND

The historical occurrence frequency data are displayed in the Trend Data exhibits in Sections E, F, and G. For Premises/Operations and 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.

---

## CREDIBILITY STANDARDS

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

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

The rule for Owners, Landlords and Tenants is:

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

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

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

For Manufacturers and Contractors:

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

For Owners, Landlords and Tenants:

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

For Products:

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

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

## CREDIBILITY STANDARDS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION C  
CALCULATION OF INDICATIONS  
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Determination of Indicated Loss Cost Level Change:

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- Products C-4
- Local Products/Completed Operations C-5

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

(1)	(2)	(3) \$100,000	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2014	\$5,214,936	\$3,588,314	0.20	0.688	136
12/31/2015	4,857,192	2,766,651	0.30	0.570	121
12/31/2016	4,289,691	3,930,166	0.50	0.916	108

(7)	WEIGHTED EXPERIENCE RATIO .....	0.767
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C) .....	1.009
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS) .....	0.24
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO {(7) X (9)} + {(8) X {1.0 - (9)}} .....	0.951
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE {(10)-1} X 100% .....	- 4.9 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	- 5.4 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE .....	- 5.4 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 06/01/2018. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS A PRODUCT OF TWO FACTORS, THE ADEQUACY FACTOR (1.000) AND THE NET TREND (1.009). THE ADEQUACY FACTOR IS EQUAL TO THE SELECTED CHANGE IN THE LAST REVIEW (- 8.5%) DIVIDED BY THE APPROVED CHANGE (- 8.5%). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.009) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2018) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2019).

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

(1)	(2)	(3) \$100,000	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2014	\$1,921,852	\$702,801	0.20	0.366	102
12/31/2015	2,087,330	1,448,910	0.30	0.694	94
12/31/2016	2,097,468	1,200,727	0.50	0.572	123

(7)	WEIGHTED EXPERIENCE RATIO .....	0.567
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C) .....	1.025
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS) .....	0.23
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO {(7) X (9)} + {(8) X {1.0 - (9)}} .....	0.920
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE {(10)-1} X 100% .....	- 8.0 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	- 5.3 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE .....	- 5.3 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 06/01/2018. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS A PRODUCT OF TWO FACTORS, THE ADEQUACY FACTOR (1.000) AND THE NET TREND (1.025). THE ADEQUACY FACTOR IS EQUAL TO THE SELECTED CHANGE IN THE LAST REVIEW (- 2.1%) DIVIDED BY THE APPROVED CHANGE (- 2.1%). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.025) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (06/01/2018) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (06/01/2019).

NORTH DAKOTA  
 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 .....				- 8.0 %
	(SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)				
(10)	INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C) .....				- 6.4 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE .....				- 6.4 %

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

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

(1) ACCIDENT YEAR ENDING	(2) MULTISTATE AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	(3) MULTISTATE \$100,000 BASIC LIMIT INCURRED LOSSES (B)	(4) YEAR WEIGHTS	(5) EXPERIENCE RATIO	(6) NUMBER OF INCURRED OCCURRENCES
12/31/2014	331,634,502	320,317,104	0.20	0.966	6,648
12/31/2015	344,277,299	326,286,236	0.30	0.948	6,297
12/31/2016	360,217,491	291,183,734	0.50	0.808	5,957

- (7) WEIGHTED EXPERIENCE RATIO..... 0.882
- (8) INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE  
 { (7) - 1.00 } x 100%..... - 11.8 %
- (9) INDICATED MULTISTATE MONOLINE CHANGE  
 (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... - 10.5 %
- (10) INDICATED STATEWIDE MONOLINE CHANGE (C)  
 (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... - 7.8 %
- (11) SELECTED STATEWIDE MONOLINE CHANGE..... - 7.8 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSE AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2018

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

## SECTION D

### RELATIVE CHANGE ANALYSIS

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NORTH DAKOTA  
 MANUFACTURERS AND CONTRACTORS  
 BASIC LIMIT RELATIVE CHANGE ANALYSIS

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	(1)	(2)	(3)	(4)	STATEWIDE COVERAGE	
TOP	BAILEY FORMULA RELATIV.	CREDIBILITY Z	Z-WTD RELATIV.	BALANCED RELATIV.	IND. OF 0.951 OR - 4.9%	
10	0.964	0.108	0.996	0.995		
33	1.470	0.016	1.006	1.006		
34	0.781	0.038	0.991	0.990		
35	1.430	0.014	1.005	1.004		
36	1.268	0.079	1.019	1.018		
37	1.018	0.042	1.001	1.000		
38	1.020	0.112	1.002	1.002		
					(5)	
					INDICATED	
					MONOLINE	
					CHANGE	
CLASS GROUP						
30	0.901	0.051	0.995	0.996	-	5.7%
31	0.717	0.050	0.983	0.984	-	6.8%
32	1.128	0.118	1.014	1.015	-	3.9%
33	0.992	0.068	0.999	1.000	-	5.3%
34	0.805	0.068	0.985	0.986	-	6.6%
35	7.357	0.024	1.049	1.050	-	0.6%
36	0.465	0.029	0.978	0.979	-	7.3%
37	0.023	0.014	0.948	0.949	-	10.1%
38	1.226	0.065	1.013	1.014	-	4.0%
					OVERALL MONOLINE INDICATION	- 5.4%

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

NORTH DAKOTA  
 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)
		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	30 SERVICE	\$53,983	\$397,890	0.887	1.246	10	0.991
	31 LIGHT CONTRACTING	62,555	299,325	0.725	1.019	12	0.980
	32 MEDIUM CONTRCTING	577,953	2,711,892	0.639	0.898	94	1.011
	33 HEAVY CONTRACTING	657,629	4,601,194	0.725	1.019	40	0.996
	34 DEALER OR DISTRIB	171,961	899,554	0.432	0.607	29	0.982
	35 LGT. MANUFACTURER	28,646	105,758	5.698	8.008	7	1.045
	36 MED. MANUFACTURER	45,387	208,331	0.265	0.373	5	0.974
	37 HVY. MANUFACTURER	77,440	331,229	0.041	0.058	2	0.945
	38 MISC. OPERATION	38,417	317,105	1.413	1.987	14	1.010
	TOTAL *	\$1,713,971	\$9,872,278	0.727		213	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$1,808	\$12,869	0.000	0.000	0	0.990
	32 MEDIUM CONTRCTING	317	2,619	0.000	0.000	0	1.021
	33 HEAVY CONTRACTING	14,899	75,713	0.019	0.027	1	1.006
	38 MISC. OPERATION	5,911	29,456	4.141	5.821	4	1.020
		TOTAL *	\$22,935	\$120,657	1.080		5
34 MULT MERCANTILE	30 SERVICE	\$30,094	\$213,973	0.008	0.012	1	0.986
	32 MEDIUM CONTRCTING	2,319	12,336	0.000	0.000	0	1.005
	34 DEALER OR DISTRIB	100,629	952,526	0.603	0.848	23	0.976
	38 MISC. OPERATION	3,621	16,822	0.843	1.185	3	1.004
		TOTAL *	\$136,663	\$1,195,657	0.468		27
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$226	\$571	0.000	0.000	0	0.989
	32 MEDIUM CONTRCTING	24,994	67,180	1.154	1.622	4	1.020
		TOTAL *	\$25,220	\$67,751	1.144		4
36 MULT SERVICES	30 SERVICE	\$4,809	\$28,227	0.226	0.318	4	1.014
	31 LIGHT CONTRACTING	12,793	67,238	2.269	3.189	6	1.002
	32 MEDIUM CONTRCTING	19,132	78,137	1.957	2.751	9	1.034
	33 HEAVY CONTRACTING	80,782	495,470	0.967	1.360	7	1.019
	34 DEALER OR DISTRIB	60,510	356,852	0.819	1.151	33	1.004
	36 MED. MANUFACTURER	3,832	68,702	0.008	0.011	1	0.997
	38 MISC. OPERATION	172,555	1,055,577	0.841	1.182	54	1.033
		TOTAL *	\$354,413	\$2,150,203	0.961		114

NORTH DAKOTA  
MANUFACTURERS AND CONTRACTORS  
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.
37 MULT INDUST/PROC.	32 MEDIUM CONTRACTING	\$24,620	\$187,045	0.388	0.545	2	1.015
	33 HEAVY CONTRACTING	348,201	2,840,907	0.809	1.137	15	1.001
	34 DEALER OR DISTRIB	886	29,635	0.000	0.000	0	0.986
	35 LGT. MANUFACTURER	7,188	81,135	2.730	3.837	4	1.050
	36 MED. MANUFACTURER	131,809	571,553	0.367	0.516	10	0.979
	37 HVY. MANUFACTURER	185,342	670,074	0.006	0.008	2	0.949
	38 MISC. OPERATION	3,877	9,295	0.000	0.000	0	1.014
	TOTAL *	\$701,923	\$4,389,644	0.513		33	
38 MULT CONTRACTORS	30 SERVICE	\$216,876	\$1,048,008	0.669	0.940	33	0.997
	31 LIGHT CONTRACTING	184,595	936,083	0.337	0.473	28	0.986
	32 MEDIUM CONTRACTING	774,905	3,900,017	0.911	1.281	142	1.017
	33 HEAVY CONTRACTING	166,355	941,202	0.413	0.581	22	1.002
	38 MISC. OPERATION	9,934	64,828	1.865	2.621	2	1.016
	TOTAL *	\$1,352,665	\$6,890,138	0.740		227	
TOTAL ALL TOP	30 SERVICE	\$305,762	\$1,688,098	0.635		48	
	31 LIGHT CONTRACTING	261,977	1,316,086	0.521		46	
	32 MEDIUM CONTRACTING	1,424,240	6,959,226	0.808		251	
	33 HEAVY CONTRACTING	1,267,866	8,954,486	0.714		85	
	34 DEALER OR DISTRIB	333,986	2,238,567	0.552		85	
	35 LGT. MANUFACTURER	35,834	186,893	5.102		11	
	36 MED. MANUFACTURER	181,028	848,586	0.334		16	
	37 HVY. MANUFACTURER	262,782	1,001,303	0.016		4	
	38 MISC. OPERATION	234,315	1,493,083	1.048		77	
	TOTAL *	\$4,307,790	\$24,686,328	0.711		623	

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

NORTH DAKOTA  
OWNERS, LANDLORDS AND TENANTS  
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 0.920 OR - 8.0%	
TOP						
10	1.373	0.078	1.025	1.029		
31	1.978	0.069	1.048	1.053		
32	2.098	0.044	1.033	1.038		
33	1.023	0.058	1.001	1.006		
34	0.597	0.087	0.956	0.960		
35	0.334	0.070	0.926	0.930		
36	0.887	0.034	0.996	1.000		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
01	0.432	0.050	0.959	0.971	-	8.0%
02	1.212	0.045	1.009	1.021	-	3.3%
03	0.609	0.049	0.976	0.988	-	6.4%
04	3.246	0.019	1.023	1.035	-	1.9%
05	1.216	0.021	1.004	1.017	-	3.7%
06	0.438	0.029	0.976	0.989	-	6.4%
07	0.554	0.031	0.982	0.994	-	5.9%
08	0.343	0.019	0.980	0.992	-	6.0%
09	0.575	0.076	0.959	0.971	-	8.1%
10	3.526	0.069	1.091	1.104	+	4.6%
11	1.480	0.060	1.024	1.037	-	1.8%
12	0.587	0.070	0.963	0.975	-	7.6%
13	1.430	0.025	1.009	1.022	-	3.2%
16	1.305	0.012	1.003	1.016	-	3.8%
					OVERALL MONOLINE INDICATION -	5.3%

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

NORTH DAKOTA  
OWNERS, LANDLORDS AND TENANTS  
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)	
		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 FOOD&BEV. (RETAIL)	\$34,283	\$96,140	0.323	0.530	3	0.999	
	02 RESTAURANTS	16,407	108,837	1.347	2.210	9	1.051	
	03 STORES	9,323	41,478	0.743	1.218	8	1.017	
	04 VENDING & RENTAL	2,213	10,722	1.267	2.078	3	1.066	
	05 FOOD & BEV. DIST.	14,512	34,795	0.000	0.000	0	1.047	
	06 NON-FOOD&BEV.DIST	4,125	42,702	0.117	0.192	4	1.018	
	07 CLUBS, AMSMT&SPRTS	26,583	147,644	0.673	1.104	7	1.023	
	08 HEALTH CARE FACIL	8,378	25,854	0.228	0.374	1	1.021	
	09 HOTELS AND MOTELS	32,824	269,165	0.565	0.927	17	0.999	
	10 SCHLS & CHURCHES	25,345	125,691	3.562	5.841	11	1.137	
	11 APARTMENTS	176,227	530,189	1.192	1.955	33	1.067	
	12 BUILDINGS&OFFICES	161,878	567,488	0.504	0.826	8	1.004	
	13 MISC. PREMISES	9,029	36,440	0.715	1.173	5	1.052	
	16 GOVT SUBDIVISIONS	653	3,303	0.891	1.462	1	1.046	
		TOTAL *	\$521,780	\$2,040,448	0.902		110	
	31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$285,281	\$1,287,565	0.693	1.136	88	1.022
TOTAL *		\$285,281	\$1,287,565	0.693		88		
32 MULT APARTMENT	11 APARTMENTS	\$81,844	\$378,929	1.993	3.268	33	1.076	
	12 BUILDINGS&OFFICES	13,525	51,271	0.148	0.243	2	1.012	
	TOTAL *	\$95,369	\$430,200	1.731		35		
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$332,799	\$1,470,229	0.370	0.606	61	0.981	
	13 MISC. PREMISES	1,804	6,524	0.237	0.389	1	1.027	
	TOTAL *	\$334,603	\$1,476,753	0.369		62		
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$126,174	\$763,727	0.168	0.275	42	0.932	
	02 RESTAURANTS	192,493	969,277	0.413	0.677	28	0.981	
	03 STORES	90,000	560,266	0.206	0.337	36	0.949	
	04 VENDING & RENTAL	1,061	4,938	0.000	0.000	0	0.994	
	05 FOOD & BEV. DIST.	22,888	168,178	1.088	1.784	8	0.976	
	06 NON-FOOD&BEV.DIST	32,231	269,120	0.191	0.314	12	0.949	
	12 BUILDINGS&OFFICES	100,660	450,036	0.125	0.204	12	0.937	
		TOTAL *	\$565,507	\$3,185,542	0.288		138	

NORTH DAKOTA  
OWNERS, LANDLORDS AND TENANTS  
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.
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$1,758	\$20,180	2.479	4.065	5	0.925
	08 HEALTH CARE FACIL	35,951	150,340	0.086	0.140	6	0.923
	10 SCHLS & CHURCHES	142,579	678,451	0.609	0.999	75	1.027
	12 BUILDINGS&OFFICES	916	5,991	0.000	0.000	0	0.907
	13 MISC. PREMISES	327	12,868	33.103	54.288	2	0.950
	16 GOVT SUBDIVISIONS	886	3,655	0.414	0.678	2	0.945
	TOTAL *	\$182,417	\$871,485	0.578		90	
36 MULT SERVICES	03 STORES	\$2,190	\$13,086	0.000	0.000	0	0.988
	04 VENDING & RENTAL	8,612	48,265	2.274	3.730	4	1.036
	07 CLUBS,AMSMT&SPRTS	42,426	214,965	0.070	0.115	6	0.994
	08 HEALTH CARE FACIL	429	1,480	0.000	0.000	0	0.992
	09 HOTELS AND MOTELS	8,905	74,161	0.000	0.000	0	0.971
	12 BUILDINGS&OFFICES	35,665	130,327	0.711	1.166	7	0.976
	13 MISC. PREMISES	14,711	66,618	0.420	0.689	4	1.022
TOTAL *	\$112,938	\$548,902	0.479		21		
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$160,457	\$859,867	0.201		45	
	02 RESTAURANTS	208,900	1,078,114	0.486		37	
	03 STORES	101,513	614,830	0.250		44	
	04 VENDING & RENTAL	11,886	63,925	1.884		7	
	05 FOOD & BEV. DIST.	37,400	202,973	0.666		8	
	06 NON-FOOD&BEV.DIST	36,356	311,822	0.183		16	
	07 CLUBS,AMSMT&SPRTS	70,767	382,789	0.356		18	
	08 HEALTH CARE FACIL	44,758	177,674	0.112		7	
	09 HOTELS AND MOTELS	327,010	1,630,891	0.661		105	
	10 SCHLS & CHURCHES	167,924	804,142	1.055		86	
	11 APARTMENTS	258,071	909,118	1.446		66	
	12 BUILDINGS&OFFICES	645,443	2,675,342	0.379		90	
	13 MISC. PREMISES	25,871	122,450	0.924		12	
	16 GOVT SUBDIVISIONS	1,539	6,958	0.616		3	
	TOTAL *	\$2,097,895	\$9,840,895	0.610		544	

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

NORTH DAKOTA  
PRODUCTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

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	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.			
TOP					MULTISTATE COVERAGE IND. OF 0.957 OR - 4.3%		
10	0.908	0.385	0.964	0.961			
34	1.062	0.394	1.024	1.021			
36	0.945	0.198	0.989	0.986			
37	1.036	0.541	1.019	1.017			
					(5)	(6)	(7)
					INDICATED MULTISTATE MONOLINE CHANGE	INDICATED STATEWIDE MONOLINE CHANGE#*	SELECTED STATEWIDE MONOLINE CHANGE
CLASS GROUP							
3	0.939	0.535	0.967	0.971	- 10.7%	- 5.7%	- 5.7%
4	1.062	0.425	1.026	1.029	- 5.3%	- 5.3%	- 5.3%
5	1.158	0.132	1.020	1.023	- 5.9%	- 18.7%	- 18.7%
6	0.984	0.341	0.995	0.998	- 8.2%	- 10.0%	- 10.0%
7	0.957	0.186	0.992	0.995	- 8.4%	- 16.5%	- 16.5%
			OVERALL MONOLINE	INDICATION	- 8.0%	- 6.4%	- 6.4%

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# 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 ALCCCL for the latest year was used to weight the indicated monoline change by class group.

MULTISTATE  
PRODUCTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

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

TYPE OF POLICY	CLASS GROUP	(1)	(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	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.

NORTH DAKOTA  
 LOCAL PRODUCTS/COMPLETED OPERATIONS  
 BASIC LIMIT RELATIVE CHANGE ANALYSIS

---

	(1)	(2)	(3)	(4)			
	BAILEY FORMULA RELATIV.	CREDIBILITY Z	Z-WTD RELATIV.	BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 0.882 OR - 11.8%		
TOP							
10	1.016	0.764	1.012	1.012			
34	1.067	0.588	1.039	1.039			
36	1.034	0.533	1.018	1.018			
37	0.933	0.146	0.990	0.990			
38	0.983	1.000	0.983	0.983			
					(5)	(6)	(7)
					INDICATED MULTISTATE MONOLINE CHANGE	INDICATED STATEWIDE MONOLINE CHANGE#*	SELECTED STATEWIDE MONOLINE CHANGE
CLASS GROUP							
1	0.850	0.596	0.908	0.902	- 19.1%	- 20.8%	- 19.7%
2	1.027	0.508	1.013	1.007	- 10.5%	- 6.8%	- 6.7%
11	1.069	0.341	1.023	1.016	- 9.9%	- 10.2%	- 10.3%
12	1.022	1.000	1.022	1.016	- 9.4%	- 6.4%	- 6.4%
13	0.802	0.282	0.940	0.934	- 16.6%	- 13.6%	- 13.5%
			OVERALL MONOLINE	INDICATION	- 10.5%	- 7.8%	- 7.8%

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

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

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

-----

	(1)	(2)	(3)	(4)	(5)	(6)
STATE	BAILEY FORMULA RELATIV	CREDIBILITY Z	Z-WTD RELATIV	BALANCED RELATIV.	INDICATED ** MONOLINE CHG.	SELECTED MONOLINE CHG.
	1.337	0.399	1.123	1.121		
	1.156	0.648	1.098	1.096		
	1.146	0.606	1.086	1.084		
	1.188	0.429	1.077	1.075		
	1.416	0.200	1.072	1.070		
	1.293	0.243	1.065	1.062		
	1.104	0.577	1.059	1.057		
	1.108	0.371	1.039	1.037		
	1.104	0.381	1.038	1.036		
	1.139	0.256	1.034	1.032		
	1.103	0.344	1.034	1.032		
	1.077	0.442	1.033	1.031		
NORTH DAKOTA	1.223	0.162	1.033	1.031	-7.8%	-7.8%
	1.053	0.508	1.027	1.025		
	1.131	0.206	1.026	1.024		
	1.143	0.166	1.022	1.020		
	1.055	0.224	1.012	1.010		
	1.046	0.251	1.011	1.009		
	1.020	0.291	1.006	1.004		
	1.019	0.228	1.004	1.002		
	1.011	0.274	1.003	1.001		
	0.992	0.474	0.996	0.994		
	0.985	0.363	0.995	0.993		
	0.972	0.229	0.994	0.992		
	0.979	0.333	0.993	0.991		
	0.952	0.150	0.993	0.991		
	0.981	0.428	0.992	0.990		
	0.966	0.247	0.991	0.989		
	0.971	0.347	0.990	0.988		
	0.898	0.104	0.989	0.987		
	0.964	0.336	0.988	0.986		
	0.952	0.307	0.985	0.983		
	0.961	0.462	0.982	0.980		
	0.935	0.385	0.975	0.973		
	0.851	0.161	0.974	0.973		
	0.763	0.097	0.974	0.972		
	0.948	0.512	0.973	0.971		
	0.890	0.281	0.968	0.966		
	0.844	0.230	0.962	0.960		
	0.757	0.166	0.955	0.953		
	0.886	0.382	0.955	0.953		
	0.528	0.076	0.953	0.951		
	0.770	0.206	0.948	0.946		
	0.710	0.168	0.944	0.942		
	0.861	0.407	0.941	0.939		
	0.688	0.164	0.940	0.939		
	0.716	0.188	0.939	0.937		
	0.476	0.085	0.939	0.937		
	0.826	0.337	0.938	0.936		
	0.820	0.350	0.933	0.931		
	0.770	0.594	0.856	0.855		
	0.719	0.502	0.848	0.846		

\* Sorted by balanced relative change.

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

NORTH DAKOTA  
LOCAL PRODUCTS/COMPLETED OPERATIONS  
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)
		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	\$5,946	\$19,348	0.000	0.000	0	0.941
	02 RET. STRS-NTFD/DRG	13,100	33,110	0.000	0.000	0	1.051
	11 COMP. OPS. (LOW)	5,448	22,880	0.708	0.744	2	1.060
	12 COMP. OPS. (MED)	544,012	2,613,237	0.551	0.579	19	1.060
	13 COMP. OPS. (HGH)	88,458	926,588	0.925	0.973	2	0.974
	TOTAL *	\$656,964	\$3,615,163	0.586		23	
34 MULT MERCANTILE	01 RET. STRS-FOOD/DRG	\$22,123	\$124,408	0.366	0.384	5	0.966
	02 RET. STRS-NTFD/DRG	13,260	75,346	0.352	0.370	2	1.079
	12 COMP. OPS. (MED)	22,629	127,493	2.210	2.324	1	1.088
	TOTAL *	\$58,012	\$327,247	1.082		8	
36 MULT SERVICES	01 RET. STRS-FOOD/DRG	\$648	\$3,639	0.000	0.000	0	0.947
	02 RET. STRS-NTFD/DRG	39,415	176,300	0.837	0.880	12	1.057
	11 COMP. OPS. (LOW)	9,406	53,215	4.680	4.920	4	1.067
	12 COMP. OPS. (MED)	4,516	121,917	0.020	0.021	1	1.066
	13 COMP. OPS. (HGH)	9,029	69,177	0.000	0.000	0	0.980
	TOTAL *	\$63,014	\$424,248	1.223		17	
37 MULT INDUST/PROC.	01 RET. STRS-FOOD/DRG	\$0	\$229	0.000	0.000	0	0.921
	11 COMP. OPS. (LOW)	170	704	0.000	0.000	0	1.037
	12 COMP. OPS. (MED)	23,942	120,845	0.645	0.678	1	1.037
	13 COMP. OPS. (HGH)	2,542	27,585	0.317	0.334	0	0.953
	TOTAL *	\$26,654	\$149,363	0.610		1	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$30,280	\$133,047	7.832	8.234	1	1.030
	12 COMP. OPS. (MED)	868,889	4,164,880	1.283	1.349	87	1.030
	13 COMP. OPS. (HGH)	179,666	776,494	1.491	1.567	9	0.947
	TOTAL *	\$1,078,835	\$5,074,421	1.501		97	
TOTAL ALL TOP	01 RET. STRS-FOOD/DRG	\$28,717	\$147,624	0.282		5	
	02 RET. STRS-NTFD/DRG	65,775	284,756	0.572		14	
	11 COMP. OPS. (LOW)	45,304	209,846	6.292		7	
	12 COMP. OPS. (MED)	1,463,988	7,148,372	1.011		109	
	13 COMP. OPS. (HGH)	279,695	1,799,844	1.253		11	
	TOTAL *	\$1,883,479	\$9,590,442	1.147		146	

\* 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	\$11,204,524	\$48,107,339	0.854		4,326	
	02 RET. STRS-NTFD/DRG	6,261,421	28,217,160	0.992		731	
	12 COMP. OPS. (MED)	2,170,242	11,003,926	1.190		135	
	TOTAL *	\$19,636,187	\$87,328,425	0.935		5,192	
36 MULT SERVICES	01 RET. STRS-FOOD/DRG	\$984,375	\$4,689,404	0.980		241	
	02 RET. STRS-NTFD/DRG	12,250,598	51,305,370	0.997		2,617	
	11 COMP. OPS. (LOW)	3,779,977	17,158,173	1.024		578	
	12 COMP. OPS. (MED)	4,591,537	22,537,135	0.877		739	
	13 COMP. OPS. (HGH)	1,130,308	6,157,840	1.019		99	
	TOTAL *	\$22,736,795	\$101,847,922	0.977		4,274	
37 MULT INDUST/PROC.	01 RET. STRS-FOOD/DRG	\$21,529	\$93,254	4.517		1	
	11 COMP. OPS. (LOW)	150,118	693,334	0.440		17	
	12 COMP. OPS. (MED)	4,558,700	22,101,821	0.913		305	
	13 COMP. OPS. (HGH)	52,249	456,613	0.409		1	
	TOTAL *	\$4,782,596	\$23,345,022	0.909		324	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$9,617,652	\$44,692,699	1.009		677	
	12 COMP. OPS. (MED)	174,970,946	830,436,952	0.942		13,853	
	13 COMP. OPS. (HGH)	17,934,567	83,689,787	0.852		809	
	TOTAL *	\$202,523,165	\$958,819,438	0.937		15,339	
TOTAL ALL TOP	01 RET. STRS-FOOD/DRG	\$15,392,898	\$65,726,958	0.856		5,335	
	02 RET. STRS-NTFD/DRG	21,436,050	92,860,800	1.007		3,877	
	11 COMP. OPS. (LOW)	18,137,829	82,696,696	1.006		1,751	
	12 COMP. OPS. (MED)	276,099,312	1,288,808,149	0.968		21,729	
	13 COMP. OPS. (HGH)	28,432,410	137,403,040	0.765		1,197	
	TOTAL *	\$359,498,499	\$1,667,495,643	0.951		33,889	

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

## SECTION E

### SUPPORTING MATERIAL -- PREMISES/OPERATIONS

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000			TRENDED \$100,000					
		BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TRENDS# -----	X	AVERAGE IPMF* -----	=	BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	12/31/2014	\$1,756,551		1.000		1.131				\$1,986,659
	12/31/2015	1,802,161		0.999		1.110				1,998,398
	12/31/2016	1,506,485		1.050		1.079				1,706,772
MULTILINE	12/31/2014	\$2,659,032		1.000		1.120	1.084			\$3,228,277
	12/31/2015	2,391,179		0.999		1.103	1.085			2,858,794
	12/31/2016	2,099,294		1.050		1.078	1.087			2,582,919
TOTAL	12/31/2014									\$5,214,936
	12/31/2015									4,857,192
	12/31/2016									4,289,691

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

# AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 06/01/2018 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.

NORTH DAKOTA  
 MANUFACTURERS AND CONTRACTORS  
 OCCURRENCE  
 FULL COVERAGE  
 CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*			SEVERITY TREND	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
			B/L INDEMNITY DEVELOPMENT FACTOR	UNALLOCATED LOSS ADJ FACTOR					
BI	B/L INDEMNITY	12/31/2014		1.085	1.213	0.976		\$958,939	
		12/31/2015	\$746,536	1.085	1.166	0.981		443,357	
		12/31/2016	285,105	1.085	1.121	0.985		442,012	
BI	ALAE	12/31/2014		1.085	1.213	0.976		\$602,826	
		12/31/2015	\$469,301	1.085	1.166	0.981		164,309	
		12/31/2016	132,393	1.085	1.121	0.985		311,806	
PD	B/L INDEMNITY	12/31/2014		1.085	1.213	0.976		\$1,145,794	
		12/31/2015	\$856,049	1.085	1.166	0.981		1,273,432	
		12/31/2016	992,334	1.085	1.121	0.985		1,649,282	
PD	ALAE	12/31/2014		1.085	1.213	0.976		\$151,473	
		12/31/2015	\$117,922	1.085	1.166	0.981		341,383	
		12/31/2016	275,071	1.085	1.121	0.985		345,432	
MED PAY#	B/L INDEMNITY	12/31/2014		1.085	1.213	0.976		\$20,180	
		12/31/2015	\$15,710	1.085	1.166	0.981		28,850	
		12/31/2016	23,246	1.085	1.121	0.985		32,947	
FRINGE	B/L INDEMNITY	12/31/2014		1.085	1.050	0.976		\$27,299	
		12/31/2015	\$24,650	1.085	1.040	0.981		23,267	
		12/31/2016	19,999	1.085	1.029	0.985		112,476	
FRINGE	ALAE	12/31/2014		1.085	1.050	0.976		\$13,499	
		12/31/2015	\$12,140	1.085	1.040	0.981		19,964	
		12/31/2016	18,035	1.085	1.029	0.985		144,280	
TOTAL FULL COVERAGE		12/31/2014						\$2,920,010	
		12/31/2015						2,294,562	
		12/31/2016						3,038,236	

\* 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.

NORTH DAKOTA  
 MANUFACTURERS AND CONTRACTORS  
 OCCURRENCE  
 DED COVERAGE  
 CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000			SEVERITY TREND	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
			BASIC LIMIT LOSSES AND ALAE*	B/L INDEMNITY DEVELOPMENT FACTOR X	UNALLOCATED LOSS ADJ FACTOR X				
BI	B/L INDEMNITY	12/31/2014	\$68,125	1.116	1.085	1.213	0.976	\$97,659	
		12/31/2015	0	1.484	1.085	1.166	0.981	0	
		12/31/2016	100,000	2.428	1.085	1.121	0.985	290,884	
BI	ALAE	12/31/2014	\$84,086		1.085	1.213	0.976	\$108,010	
		12/31/2015	0		1.085	1.166	0.981	0	
		12/31/2016	414,689		1.085	1.121	0.985	496,814	
PD	B/L INDEMNITY	12/31/2014	\$281,490	1.054	1.085	1.213	0.976	\$381,104	
		12/31/2015	245,670	1.102	1.085	1.166	0.981	335,994	
		12/31/2016	58,613	1.220	1.085	1.121	0.985	85,669	
PD	ALAE	12/31/2014	\$63,472		1.085	1.213	0.976	\$81,531	
		12/31/2015	109,659		1.085	1.166	0.981	136,095	
		12/31/2016	10,494		1.085	1.121	0.985	12,572	
MED PAY#	B/L INDEMNITY	12/31/2014	\$0		1.085	1.213	0.976	\$0	
		12/31/2015	0		1.085	1.166	0.981	0	
		12/31/2016	5,000		1.085	1.121	0.985	5,990	
	TOTAL DED COVERAGE	12/31/2014						\$668,304	
		12/31/2015						472,088	
		12/31/2016						891,930	
	TOTAL	12/31/2014						\$3,588,314	
		12/31/2015						2,766,651	
		12/31/2016						3,930,166	

\* 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.

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000		EXPOSURE			AVERAGE IPMF* -----	=	TRENDED \$100,000	
		BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----			X	BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	12/31/2014	\$361,016		1.000		1.018			\$367,514	
	12/31/2015	474,568		1.000		1.012			480,263	
	12/31/2016	514,447		1.007		1.007			521,674	
MULTILINE	12/31/2014	\$1,435,934		1.000		1.027	1.054		\$1,554,338	
	12/31/2015	1,500,529		1.000		1.020	1.050		1,607,067	
	12/31/2016	1,473,959		1.007		1.014	1.047		1,575,794	
TOTAL	12/31/2014								\$1,921,852	
	12/31/2015								2,087,330	
	12/31/2016								2,097,468	

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

# AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 06/01/2018 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.

NORTH DAKOTA  
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*			SEVERITY TREND	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
			B/L INDEMNITY DEVELOPMENT FACTOR	UNALLOCATED LOSS ADJ FACTOR	X				
BI	B/L INDEMNITY	12/31/2014	\$249,337	0.970	1.085	1.242	0.928	\$302,453	
		12/31/2015	612,166	1.020	1.085	1.188	0.943	758,975	
		12/31/2016	477,517	1.116	1.085	1.137	0.957	629,151	
BI	ALAE	12/31/2014	\$51,882		1.085	1.242	0.928	\$64,881	
		12/31/2015	285,695		1.085	1.188	0.943	347,265	
		12/31/2016	160,528		1.085	1.137	0.957	189,519	
PD	B/L INDEMNITY	12/31/2014	\$75,106	1.075	1.085	1.242	0.928	\$100,968	
		12/31/2015	113,644	1.081	1.085	1.188	0.943	149,324	
		12/31/2016	46,635	1.160	1.085	1.137	0.957	63,866	
PD	ALAE	12/31/2014	\$59,501		1.085	1.242	0.928	\$74,409	
		12/31/2015	53,138		1.085	1.188	0.943	64,590	
		12/31/2016	24,929		1.085	1.137	0.957	29,431	
MED PAY#	B/L INDEMNITY	12/31/2014	\$110,488		1.085	1.242	0.928	\$138,170	
		12/31/2015	92,706		1.085	1.188	0.943	112,685	
		12/31/2016	207,832		1.085	1.137	0.957	245,366	
FRINGE	B/L INDEMNITY	12/31/2014	\$8,252	1.073	1.085	1.184	0.928	\$10,556	
		12/31/2015	0	1.180	1.085	1.144	0.943	0	
		12/31/2016	8,943	1.485	1.085	1.106	0.957	15,251	
FRINGE	ALAE	12/31/2014	\$5,601		1.085	1.184	0.928	\$6,677	
		12/31/2015	6,785		1.085	1.144	0.943	7,942	
		12/31/2016	18,420		1.085	1.106	0.957	21,154	
TOTAL FULL COVERAGE		12/31/2014						\$698,113	
		12/31/2015						1,440,780	
		12/31/2016						1,193,739	

\* 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.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X B/L INDEMNITY DEVELOPMENT FACTOR	X UNALLOCATED LOSS ADJ FACTOR	X SEVERITY TREND	X FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2014	\$335	0.991	1.085	1.242	0.928		\$415
		12/31/2015	0	1.141	1.085	1.188	0.943		0
		12/31/2016	255	1.582	1.085	1.137	0.957		476
BI	ALAE	12/31/2014	\$230		1.085	1.242	0.928		\$288
		12/31/2015	0		1.085	1.188	0.943		0
		12/31/2016	69		1.085	1.137	0.957		81
PD	B/L INDEMNITY	12/31/2014	\$0	1.113	1.085	1.242	0.928		\$0
		12/31/2015	0	1.197	1.085	1.188	0.943		0
		12/31/2016	2,907	1.356	1.085	1.137	0.957		4,654
PD	ALAE	12/31/2014	\$1,182		1.085	1.242	0.928		\$1,478
		12/31/2015	1,689		1.085	1.188	0.943		2,053
		12/31/2016	1,505		1.085	1.137	0.957		1,777
MED PAY#	B/L INDEMNITY	12/31/2014	\$2,005		1.085	1.242	0.928		\$2,507
		12/31/2015	5,000		1.085	1.188	0.943		6,078
		12/31/2016	0		1.085	1.137	0.957		0
	TOTAL								
	DED COVERAGE	12/31/2014							\$4,688
		12/31/2015							8,131
		12/31/2016							6,988
	TOTAL	12/31/2014							\$702,801
		12/31/2015							1,448,910
		12/31/2016							1,200,727

\* 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.

NORTH DAKOTA  
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	0.690
34	Mercantile Policy	1.071
35	Institutional Policy	0.900
36	Service Policy	0.969
37	Industrial/Processing Policy	1.042
38	Contractors Policy	1.169

- (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.

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

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Motel/Hotel Policy	1.000
32	Apartment House Policy	1.000
33	Office Policy	1.030
34	Mercantile Policy	1.125
35	Institutional Policy	0.953
36	Service Policy	1.072
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.

NORTH DAKOTA  
 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	1.020	1.064	0.7074	1.051	16,000,000
27 to 39 Months	0.999	1.000	0.4392	0.999	50,000,000
<u>Accident Year Ending</u>	Exposure Development From				<u>Factor</u>
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2014			1.000		1.000
12/31/2015		0.999	1.000		0.999
12/31/2016	1.051	0.999	1.000		1.050

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

NORTH DAKOTA

PREMISES/OPERATIONS  
OWNERS LANDLORDS AND TENANTS

FULL & DEDUCTIBLE COMBINED  
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.004	1.021	0.1715	1.007	50,000,000
27 to 39 Months	1.000	1.001	0.0878	1.000	100,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2014			1.000		1.000
12/31/2015		1.000	1.000		1.000
12/31/2016	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)  $\{(3) \times (4)\} + \{(2) \times \{1.000-(4)\}\}$

NORTH DAKOTA  
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>
12/31/2009	5,436,679	5,755,171	5,754,388	5,761,255	5,761,255	5,761,255	5,761,255	5,761,151
12/31/2010	5,538,778	6,273,908	6,339,720	6,322,290	6,320,837	6,320,837	6,320,857	
12/31/2011	7,434,613	8,971,111	8,929,354	8,926,624	8,927,260	8,927,249		
12/31/2012	10,598,618	11,851,403	11,857,532	11,858,415	11,933,125			
12/31/2013	12,863,178	13,451,635	13,434,027	13,403,231				
12/31/2014	13,502,740	13,860,828	13,878,452					
12/31/2015	12,323,800	12,049,971						
12/31/2016	8,444,639							

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	1.059	1.000	1.001	1.000	1.000	1.000	1.000
12/31/2010	1.133	1.010	0.997	1.000	1.000	1.000	
12/31/2011	1.207	0.995	1.000	1.000	1.000		
12/31/2012	1.118	1.001	1.000	1.006			
12/31/2013	1.046	0.999	0.998				
12/31/2014	1.027	1.001					
12/31/2015	0.978						
12/31/2016							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.064	1.000

NORTH DAKOTA  
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2009	2,402,328	2,410,786	2,410,626	2,412,103	2,411,740	2,411,740	2,411,740	2,411,740
12/31/2010	2,389,232	2,444,122	2,483,811	2,477,765	2,477,765	2,477,765	2,477,765	
12/31/2011	2,504,931	2,728,078	2,731,444	2,731,374	2,731,374	2,731,374		
12/31/2012	2,777,913	2,890,193	2,894,266	2,894,266	2,894,005			
12/31/2013	3,203,610	3,273,937	3,273,423	3,284,657				
12/31/2014	3,447,634	3,455,282	3,453,824					
12/31/2015	3,700,237	3,664,845						
12/31/2016	3,602,443							

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	1.004	1.000	1.001	1.000	1.000	1.000	1.000
12/31/2010	1.023	1.016	0.998	1.000	1.000	1.000	
12/31/2011	1.089	1.001	1.000	1.000	1.000		
12/31/2012	1.040	1.001	1.000	1.000			
12/31/2013	1.022	1.000	1.003				
12/31/2014	1.002	1.000					
12/31/2015	0.990						
12/31/2016							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.021	1.001

MULTISTATE  
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2009	1,518,009,045	1,495,803,154	1,494,390,835	1,494,431,946	1,494,246,804	1,494,239,274	1,494,207,354	1,494,129,393
12/31/2010	1,395,709,689	1,412,101,726	1,411,700,079	1,405,667,839	1,405,582,657	1,405,564,764	1,405,121,909	
12/31/2011	1,402,659,491	1,430,200,225	1,420,341,674	1,420,317,413	1,420,317,812	1,419,676,891		
12/31/2012	1,452,584,224	1,475,962,750	1,475,848,302	1,475,862,409	1,475,854,527			
12/31/2013	1,506,627,116	1,536,489,092	1,535,342,058	1,534,958,658				
12/31/2014	1,558,486,021	1,606,227,504	1,604,339,425					
12/31/2015	1,601,129,868	1,630,777,361						
12/31/2016	1,602,512,041							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2009	0.985	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2010	1.012	1.000	0.996	1.000	1.000	1.000	
12/31/2011	1.020	0.993	1.000	1.000	1.000		
12/31/2012	1.016	1.000	1.000	1.000			
12/31/2013	1.020	0.999	1.000				
12/31/2014	1.031	0.999					
12/31/2015	1.019						
12/31/2016							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.020	0.999

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>
12/31/2009	1,674,822,763	1,672,979,150	1,672,985,758	1,673,303,075	1,673,465,337	1,673,455,531	1,673,455,452	1,673,452,372
12/31/2010	1,641,579,359	1,649,421,593	1,649,965,711	1,648,410,797	1,648,389,310	1,648,336,552	1,648,314,724	
12/31/2011	1,622,728,871	1,632,784,643	1,630,750,666	1,630,707,376	1,630,708,779	1,630,729,571		
12/31/2012	1,668,358,096	1,692,018,163	1,692,218,626	1,692,272,700	1,692,020,066			
12/31/2013	1,758,744,828	1,765,031,229	1,764,708,161	1,764,417,917				
12/31/2014	1,850,374,245	1,854,489,226	1,854,366,260					
12/31/2015	1,987,174,344	1,991,395,326						
12/31/2016	2,060,530,680							

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	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2010	1.005	1.000	0.999	1.000	1.000	1.000	
12/31/2011	1.006	0.999	1.000	1.000	1.000		
12/31/2012	1.014	1.000	1.000	1.000			
12/31/2013	1.004	1.000	1.000				
12/31/2014	1.002	1.000					
12/31/2015	1.002						
12/31/2016							

Average Best 3 of 5	
<u>27:15</u>	<u>39:27</u>
1.004	1.000

LOSS DEVELOPMENT DATA  
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NORTH DAKOTA

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	0.0846	0.0649	0.3856	0.0770	1,400,000
27 to 39 Months	0.1121	0.0755	0.4077	0.0971	1,600,000
39 to 51 Months	0.0898	-0.0157	0.4569	0.0416	1,900,000
51 to 63 Months	0.0530	0.0200	0.3552	0.0413	2,200,000
63 to 75 Months	0.0232	-0.0071	0.2658	0.0151	2,600,000
75 to 87 Months	0.0150	0.0000	0.1233	0.0132	3,100,000
87 to 99 Months	0.0066	0.0000	0.1537	0.0056	3,600,000
99 to 111 Months	0.0034	0.0000	0.1530	0.0029	4,300,000
111 to 123 Months	0.0025	0.0000	0.1031	0.0023	5,000,000
123 to 135 Months	0.0003	0.0000	0.0836	0.0003	6,000,000
135 to 147 Months	0.0014	0.0000	0.0779	0.0013	7,100,000
147 to 159 Months	0.0007	0.0000	0.0724	0.0007	8,400,000
159 to 171 Months	0.0005	0.0000	0.0393	0.0005	10,000,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

<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>
	0.299	0.222	0.125	0.083	0.042	0.027	0.014
<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>
	0.008	0.005	0.003	0.003	0.001	0.000	0.000

Full Coverage

<u>A.Y.E.</u>	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2014	250,652	1,749,182	0.125	218,649	469,301
12/31/2015	9,881	551,856	0.222	122,512	132,393
12/31/2016	59,878	670,182	0.299	200,385	260,263

Deductible Coverage

<u>A.Y.E.</u>	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2014	74,565	76,164	0.125	9,521	84,086
12/31/2015	0	0	0.222	0	0
12/31/2016	50,000	1,219,695	0.299	364,689	414,689

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

NORTH DAKOTA

Premises/Operations

Manufacturers & Contractors

Property Damage

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
<u>EVALUATION PERIOD</u>	<u>MULTISTATE RATIO (A)</u>	<u>STATE RATIO (B)</u>	<u>CREDIBILITY (C)</u>	<u>WEIGHTED RATIO (D)</u>	<u>Credibility Constant (Ki)</u>
15 to 27 Months	1.093	0.999	0.4513	1.051	3,400,000
27 to 39 Months	1.033	0.934	0.4066	0.993	3,500,000
39 to 51 Months	1.012	1.007	0.3907	1.010	3,600,000
51 to 63 Months	1.008	1.004	0.3613	1.007	3,700,000
63 to 75 Months	1.005	1.000	0.3345	1.003	3,800,000
75 to 87 Months	1.006	1.000	0.2972	1.004	3,900,000
87 to 99 Months	1.007	1.003	0.3276	1.006	4,100,000
99 to 111 Months	1.005	1.000	0.2938	1.004	4,200,000
111 to 123 Months	1.003	1.000	0.2751	1.002	4,400,000
123 to 135 Months	1.002	1.000	0.2268	1.002	4,500,000
135 to 147 Months	1.000	1.000	0.2195	1.000	4,700,000
147 to 159 Months	1.001	1.000	0.1973	1.001	4,800,000
159 to 171 Months	1.002	1.000	0.1658	1.002	5,000,000
171 to 183 Months	1.000	1.000	0.1610	1.000	5,200,000
183 to 195 Months	1.000	1.000	0.1481	1.000	5,300,000
195 to 207 Months	1.000	1.000	0.1530	1.000	5,500,000
207 to 219 Months	1.000	1.000	0.1470	1.000	5,800,000
219 to 231 Months	1.000	1.000	0.1112	1.000	5,900,000
231 to 243 Months	1.000	1.000	0.0601	1.000	6,200,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2014			1.010	1.007	1.003	1.004	1.006	1.004	1.002	1.002	1.000
12/31/2015		0.993	1.010	1.007	1.003	1.004	1.006	1.004	1.002	1.002	1.000
12/31/2016	1.051	0.993	1.010	1.007	1.003	1.004	1.006	1.004	1.002	1.002	1.000
		<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>ULT:243</u>	<u>Factor</u>
12/31/2014	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.042
12/31/2015	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.034
12/31/2016	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.087

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

NORTH DAKOTA

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	0.0393	-0.0007	0.4513	0.0213	3,400,000
27 to 39 Months	0.0461	0.0084	0.4066	0.0308	3,500,000
39 to 51 Months	0.0427	0.0116	0.3907	0.0305	3,600,000
51 to 63 Months	0.0227	0.0204	0.3613	0.0218	3,700,000
63 to 75 Months	0.0179	0.0000	0.3345	0.0119	3,800,000
75 to 87 Months	0.0114	0.0000	0.2972	0.0080	3,900,000
87 to 99 Months	0.0109	0.0013	0.3276	0.0078	4,100,000
99 to 111 Months	0.0093	0.0000	0.2938	0.0066	4,200,000
111 to 123 Months	0.0072	0.0001	0.2751	0.0052	4,400,000
123 to 135 Months	0.0071	0.0000	0.2268	0.0055	4,500,000
135 to 147 Months	0.0033	0.0000	0.2195	0.0026	4,700,000
147 to 159 Months	0.0022	0.0000	0.1973	0.0018	4,800,000
159 to 171 Months	0.0008	0.0000	0.1658	0.0007	5,000,000
171 to Ultimate					

A multistate ratio of 0.0000 has been used.

<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>
	0.154	0.133	0.102	0.072	0.050	0.038	0.030
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.022	0.016	0.011	0.005	0.002	0.001	0.000

Full Coverage

<u>A.Y.E.</u>	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2014	23,794	922,822	0.102	94,128	117,922
12/31/2015	73,068	1,518,816	0.133	202,003	275,071
12/31/2016	12,910	1,788,433	0.154	275,421	288,331

Deductible Coverage

<u>A.Y.E.</u>	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2014	5,128	572,005	0.102	58,344	63,472
12/31/2015	27,872	614,945	0.133	81,787	109,659
12/31/2016	330	65,999	0.154	10,164	10,494

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

NORTH DAKOTA

Premises/Operations

Manufacturers & Contractors  
Fringe  
Full Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)
15 to 27 Months	0.2018
27 to 39 Months	0.2898
39 to 51 Months	0.1874
51 to 63 Months	0.1054
63 to 75 Months	0.0707
75 to 87 Months	0.0342
87 to 99 Months	0.0238
99 to 111 Months	0.0137
111 to 123 Months	0.0063
123 to 135 Months	0.0026
135 to 147 Months	0.0048
147 to 159 Months	0.0098
159 to 171 Months	0.0007
171 to Ultimate	A multistate ratio of 0.0000 has been used.

<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>
	0.951	0.749	0.459	0.272	0.167	0.096	0.062
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.038	0.024	0.018	0.015	0.010	0.001	0.000

A.Y.E.	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2014	0	26,449	0.459	12,140	12,140
12/31/2015	0	24,079	0.749	18,035	18,035
12/31/2016	9,290	128,188	0.951	121,907	131,197

(A) See Section E - Multistate Loss Development.

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



NORTH DAKOTA

Premises/Operations

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

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	0.0779	0.0288	0.5567	0.0506	1,500,000
27 to 39 Months	0.0849	0.0362	0.3798	0.0664	2,000,000
39 to 51 Months	0.0570	0.0421	0.3787	0.0514	2,700,000
51 to 63 Months	0.0276	-0.0146	0.2857	0.0155	3,500,000
63 to 75 Months	0.0105	-0.0070	0.2150	0.0067	4,700,000
75 to 87 Months	0.0057	-0.0588	0.1927	-0.0067	6,200,000
87 to 99 Months	0.0026	-0.0002	0.1237	0.0022	8,200,000
99 to 111 Months	0.0031	0.0000	0.1393	0.0027	10,900,000
111 to 123 Months	0.0014	0.0000	0.0887	0.0013	14,400,000
123 to 135 Months	0.0012	0.0000	0.0699	0.0011	19,100,000
135 to 147 Months	0.0014	0.0000	0.0396	0.0013	25,400,000
147 to 159 Months	0.0013	0.0000	0.0280	0.0013	33,700,000
159 to 171 Months	0.0012	0.0000	0.0258	0.0012	44,600,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

<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>
	0.195	0.144	0.078	0.027	0.011	0.004	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>
	0.009	0.006	0.005	0.004	0.002	0.001	0.000

Full Coverage

<u>A.Y.E.</u>	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2014	23,191	367,853	0.078	28,691	51,882
12/31/2015	128,552	1,091,278	0.144	157,143	285,695
12/31/2016	31,377	662,316	0.195	129,151	160,528

Deductible Coverage

<u>A.Y.E.</u>	Reported ALAE as of 3/31/17	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2014	209	263	0.078	21	230
12/31/2015	0	0	0.144	0	0
12/31/2016	0	354	0.195	69	69

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



NORTH DAKOTA

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	0.0746	0.0420	0.1670	0.0691	1,400,000
27 to 39 Months	0.0757	0.0111	0.2140	0.0619	1,500,000
39 to 51 Months	0.0743	0.0000	0.1169	0.0656	1,700,000
51 to 63 Months	0.0601	0.0000	0.0724	0.0558	1,800,000
63 to 75 Months	0.0349	0.0000	0.0514	0.0331	2,000,000
75 to 87 Months	0.0318	0.0000	0.0504	0.0302	2,200,000
87 to 99 Months	0.0188	0.0000	0.0510	0.0179	2,400,000
99 to 111 Months	0.0225	0.0000	0.0496	0.0214	2,600,000
111 to 123 Months	0.0124	0.0000	0.0388	0.0119	2,900,000
123 to 135 Months	0.0114	0.0000	0.0259	0.0111	3,200,000
135 to 147 Months	0.0053	0.0000	0.0279	0.0052	3,500,000
147 to 159 Months	0.0047	0.0000	0.0330	0.0046	3,900,000
159 to 171 Months	0.0011	0.0000	0.0326	0.0010	4,300,000
171 to Ultimate					

A multistate ratio of 0.0000 has been used.

<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>
	0.389	0.320	0.258	0.192	0.136	0.103	0.073
<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>
	0.055	0.034	0.022	0.011	0.006	0.001	0.000

Full Coverage

<u>A.Y.E.</u>	Reported ALAE	\$500,000	ALAE	Additional	Ultimate
	<u>as of 3/31/17</u>	<u>Ultimate Indemnity</u>	<u>Factor</u>	<u>ALAE</u>	<u>ALAE</u>
12/31/2014	36,828	87,873	0.258	22,673	59,501
12/31/2015	9,427	136,602	0.320	43,711	53,138
12/31/2016	784	62,071	0.389	24,145	24,929

Deductible Coverage

<u>A.Y.E.</u>	Reported ALAE	\$500,000	ALAE	Additional	Ultimate
	<u>as of 3/31/17</u>	<u>Ultimate Indemnity</u>	<u>Factor</u>	<u>ALAE</u>	<u>ALAE</u>
12/31/2014	1,182	0	0.258	0	1,182
12/31/2015	1,689	0	0.320	0	1,689
12/31/2016	0	3,869	0.389	1,505	1,505

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

NORTH DAKOTA

Premises/Operations

Owners, Landlords & Tenants  
Fringe  
Full Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)
15 to 27 Months	0.2833
27 to 39 Months	0.2237
39 to 51 Months	0.2151
51 to 63 Months	0.1447
63 to 75 Months	0.0821
75 to 87 Months	0.0394
87 to 99 Months	0.0154
99 to 111 Months	0.0150
111 to 123 Months	0.0122
123 to 135 Months	0.0016
135 to 147 Months	0.0012
147 to 159 Months	-0.0002
159 to 171 Months	0.0008
171 to Ultimate	A multistate ratio of 0.0000 has been used.

<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>
	1.034	0.751	0.527	0.312	0.167	0.085	0.046
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.031	0.016	0.003	0.002	0.001	0.001	0.000

<u>A.Y.E.</u>	<u>Reported ALAE as of 3/31/17</u>	<u>\$500,000 Ultimate Indemnity</u>	<u>ALAE Factor</u>	<u>Additional ALAE</u>	<u>Ultimate ALAE</u>
12/31/2014	99	10,439	0.527	5,502	5,601
12/31/2015	6,785	0	0.751	0	6,785
12/31/2016	0	17,814	1.034	18,420	18,420

(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  
 NORTH DAKOTA  
 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	12,221	16,221	41,721	38,721	38,721	38,721	38,721	28,721	28,721	28,721	28,721
12/31/1998	140,869	242,627	183,456	196,315	199,815	199,315	306,815	306,815	406,815	406,815	406,815
12/31/1999	183,629	137,203	279,402	351,652	346,552	361,552	331,552	331,552	331,552	331,552	331,552
12/31/2000	271,410	264,084	259,084	284,084	274,084	274,084	236,584	236,584	236,584	236,584	236,584
12/31/2001	190,269	60,020	58,270	55,270	62,270	42,270	42,270	42,270	42,270	42,270	42,270
12/31/2002	138,849	113,084	84,880	171,403	142,189	192,189	113,403	113,403	113,403	113,403	113,403
12/31/2003	196,955	200,498	325,023	256,212	241,996	241,996	256,996	256,996	252,933	252,933	252,933
12/31/2004	33,554	182,725	233,227	323,014	288,883	288,883	288,883	288,883	288,883	288,883	288,883
12/31/2005	195,150	122,163	58,163	93,163	91,652	58,163	58,163	58,163	58,163	58,163	58,163
12/31/2006	89,705	310,250	355,250	250,250	200,250	200,250	200,250	200,250	200,250	200,250	200,250
12/31/2007	400,437	407,437	346,437	316,437	316,437	316,437	316,437	316,437	316,437	316,437	316,437
12/31/2008	393,192	315,597	340,597	265,597	259,884	259,884	259,884	259,884	259,884	259,884	259,884
12/31/2009	133,514	32,614	217,614	117,614	117,614	67,614	77,614	67,614	67,614	67,614	67,614
12/31/2010	157,000	108,500	108,500	108,500	108,500	108,500	108,500	108,500	108,500	108,500	108,500
12/31/2011	435,844	798,461	607,100	662,000	715,085	615,085	615,085	615,085	615,085	615,085	615,085
12/31/2012	156,598	334,097	506,608	441,449	409,935	409,935	409,935	409,935	409,935	409,935	409,935
12/31/2013	520,251	362,963	484,678	654,536	654,536	654,536	654,536	654,536	654,536	654,536	654,536
12/31/2014	235,468	404,468	541,968	541,968	541,968	541,968	541,968	541,968	541,968	541,968	541,968
12/31/2015	122,755	185,105	185,105	185,105	185,105	185,105	185,105	185,105	185,105	185,105	185,105
12/31/2016	176,500	176,500	176,500	176,500	176,500	176,500	176,500	176,500	176,500	176,500	176,500

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	28,721	28,721	28,721	28,721	28,721	28,721	28,721	28,721	28,721
12/31/1998	406,815	406,815	406,815	406,815	406,815	406,815	406,815	406,815	406,815
12/31/1999	331,552	331,552	331,552	331,552	331,552	331,552	331,552	331,552	331,552
12/31/2000	236,584	236,584	236,584	236,584	236,584	236,584	236,584	236,584	236,584
12/31/2001	42,270	42,270	42,270	42,270	42,270	42,270	42,270	42,270	42,270
12/31/2002	113,403	113,403	113,403	113,403	113,403	113,403	113,403	113,403	113,403
12/31/2003	252,933	252,933	252,933	252,933	252,933	252,933	252,933	252,933	252,933
12/31/2004	288,883	288,883	288,883	288,883	288,883	288,883	288,883	288,883	288,883
12/31/2005	58,163	58,163	58,163	58,163	58,163	58,163	58,163	58,163	58,163

PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 NORTH DAKOTA  
 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	1.327	2.572	0.928	1.000	1.000	1.000	0.742	1.000	1.000	1.000	1.000
12/31/1998	1.722	0.756	1.070	1.018	0.997	1.539	1.000	1.326	1.000	1.000	1.000
12/31/1999	0.747	2.036	1.259	0.985	1.043	0.917	1.000	1.000	1.000	1.000	1.000
12/31/2000	0.973	0.981	1.096	0.965	1.000	0.863	1.000	1.000	1.000	1.000	1.000
12/31/2001	0.315	0.971	0.949	1.127	0.679	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2002	0.814	0.751	2.019	0.830	1.352	0.590	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.018	1.621	0.788	0.945	1.000	1.062	1.000	0.984	1.000	1.000	1.000
12/31/2004	5.446	1.276	1.385	0.894	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	0.626	0.476	1.602	0.984	0.635	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2006	3.459	1.145	0.704	0.800	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.017	0.850	0.913	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2008	0.803	1.079	0.780	0.978	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2009	0.244	6.672	0.540	1.000	0.575	1.148	0.871	1.000	1.000	1.000	1.000
12/31/2010	0.691	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2011	1.832	0.760	1.090	1.080	0.860	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2012	2.133	1.516	0.871	0.929	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2013	0.698	1.335	1.350	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2014	1.718	1.340	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015	1.508	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3 Yr Mean	1.308	1.397	1.104	1.003	0.812	1.049	0.957	1.000	1.000	1.000	1.000
Best 3/5	1.686	1.225	0.987	0.993	0.953	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	1.000	1.000	1.000	1.000	1.000			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

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					0.953	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2013				0.993	0.953	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2014			0.987	0.993	0.953	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015		1.225	0.987	0.993	0.953	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016	1.686	1.225	0.987	0.993	0.953	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.953
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.946
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.934
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.144
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.929

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

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

A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1997	630	1,061	11,411	14,484	14,484	14,609	14,609	20,642	20,642	20,642	20,642
12/31/1998	6,574	113,312	199,055	199,055	199,055	199,055	309,695	396,018	313,708	302,172	302,172
12/31/1999	21,532	34,873	105,878	153,661	175,113	241,840	243,001	238,467	238,467	238,467	238,467
12/31/2000	16,768	15,619	23,909	66,301	122,113	130,382	137,311	137,311	137,311	137,311	137,311
12/31/2001	8,804	9,012	15,096	17,589	21,413	22,137	22,137	22,137	22,137	22,137	22,137
12/31/2002	301	3,261	11,586	46,356	34,121	64,122	50,575	50,575	50,575	50,575	50,575
12/31/2003	16,861	60,239	215,354	206,747	247,823	247,823	257,821	256,570	250,049	250,049	250,049
12/31/2004	1,740	3,159	32,354	43,659	47,307	47,307	47,307	47,307	47,307	47,307	47,307
12/31/2005	13,366	30,607	30,607	30,607	32,118	32,118	32,118	32,118	32,118	32,118	32,118
12/31/2006	346	32,475	521,119	582,446	613,428	613,428	613,428	613,428	613,428	613,428	613,428
12/31/2007	132,509	279,052	290,546	252,578	273,978	250,215	250,215	250,215	250,215	250,215	250,215
12/31/2008	839	2,347	60,066	117,503	125,509	125,509	125,509	125,509	125,509	125,509	125,509
12/31/2009	1,555	2,048	102,053	47,054	37,054	33,799	39,156	49,637			
12/31/2010	5,000	4,266	169,302	167,703	201,058	201,058	201,058				
12/31/2011	179,125	272,924	307,917	381,470	520,872	619,020					
12/31/2012	13,735	94,500	240,696	301,864	273,519						
12/31/2013	84,396	374,437	454,711	358,032							
12/31/2014	24,878	105,974	159,606								
12/31/2015	870	9,220									
12/31/2016	59,899										

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	20,642	20,642	20,642	20,642	20,642	20,642	20,642	20,642	20,642
12/31/1998	302,172	302,172	302,172	302,172	302,172	302,172	302,172	302,172	
12/31/1999	238,467	238,467	238,467	238,467	238,467	238,467	239,322		
12/31/2000	137,311	137,311	137,311	137,311	137,311	137,311			
12/31/2001	22,137	22,137	22,137	22,137	22,137				
12/31/2002	50,575	50,575	50,575	50,575					
12/31/2003	250,049	250,049	250,049						
12/31/2004	47,307	47,307							
12/31/2005	32,118								

PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 NORTH DAKOTA  
 BODILY INJURY - OCCURENCE  
 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>
12/31/1997	431	10,350	3,073	0	125	0	6,033	0	0	0	0	0	0
12/31/1998	106,738	85,743	0	0	0	110,640	86,323	-82,310	-11,536	0	0	0	0
12/31/1999	13,341	71,005	47,783	21,452	66,727	1,161	-4,534	0	0	0	0	0	0
12/31/2000	-1,149	8,290	42,392	55,812	8,269	6,929	0	0	0	0	0	0	0
12/31/2001	208	6,084	2,493	3,824	724	0	0	0	0	0	0	0	0
12/31/2002	2,960	8,325	34,770	-12,235	30,001	-13,547	0	0	0	0	0	0	0
12/31/2003	43,378	155,115	-8,607	41,076	0	9,998	-1,251	-6,521	0	0	0	0	0
12/31/2004	1,419	29,195	11,305	3,648	0	0	0	0	0	0	0	0	0
12/31/2005	17,241	0	0	1,511	0	0	0	0	0	0	0	0	0
12/31/2006	32,129	488,644	61,327	30,982	0	0	0	0	0	0	0	0	0
12/31/2007	146,543	11,494	-37,968	21,400	-23,763	0	0	0	0	0	0	0	0
12/31/2008	1,508	57,719	57,437	8,006	0	0	0	0	0	0	0	0	0
12/31/2009	493	100,005	-54,999	-10,000	-3,255	5,357	10,481	0	0	0	0	0	0
12/31/2010	-734	165,036	-1,599	33,355	0	0	0	0	0	0	0	0	0
12/31/2011	93,799	34,993	73,553	139,402	98,148	0	0	0	0	0	0	0	0
12/31/2012	80,765	146,196	61,168	-28,345	0	0	0	0	0	0	0	0	0
12/31/2013	290,041	80,274	-96,679	0	0	0	0	0	0	0	0	0	0
12/31/2014	81,096	53,632	0	0	0	0	0	0	0	0	0	0	0
12/31/2015	8,350	0	0	0	0	0	0	0	0	0	0	0	0

A.Y.E.	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	0.0150	0.3604	0.1070	0.0000	0.0044	0.0000	0.2101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/1998	0.0808	0.0649	0.0000	0.0000	0.0000	0.0837	0.0653	-0.0623	-0.0087	0.0000	0.0000	0.0000	0.0000
12/31/1999	0.0342	0.1822	0.1226	0.0550	0.1712	0.0030	-0.0116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2000	-0.0016	0.0113	0.0576	0.0758	0.0112	0.0094	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2001	0.0049	0.1439	0.0590	0.0905	0.0171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2002	0.0261	0.0733	0.3063	-0.1078	0.2643	-0.1193	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2003	0.0613	0.2191	-0.0122	0.0580	0.0000	0.0141	-0.0018	-0.0092	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2004	0.0025	0.0518	0.0200	0.0065	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2005	0.2964	0.0000	0.0000	0.0260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2006	0.0484	0.7366	0.0924	0.0467	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2007	0.1309	0.0103	-0.0339	0.0191	-0.0212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2008	0.0025	0.0964	0.0959	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2009	0.0073	1.4746	-0.8110	-0.1475	-0.0480	0.0790	0.1545	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2010	-0.0014	0.3236	-0.0031	0.0654	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2011	0.0515	0.0192	0.0404	0.0766	0.0539	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2012	0.0537	0.0971	0.0406	-0.0188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2013	0.2533	0.0701	-0.0844	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2014	0.0896	0.0592	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2015	0.0315	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0649	0.0755	-0.0157	0.0200	-0.0071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 NORTH DAKOTA  
 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	431,081	416,234	502,451	476,698	474,998	431,398	416,398	396,398	396,398	396,398	396,398
12/31/1998	297,863	326,879	309,828	361,728	361,728	336,728	341,728	341,728	341,728	341,728	341,728
12/31/1999	251,361	302,162	335,893	314,119	232,898	232,898	261,395	261,395	261,395	261,395	261,395
12/31/2000	353,120	443,867	384,958	377,958	390,331	390,331	390,331	390,331	390,331	390,331	390,331
12/31/2001	274,402	319,006	318,010	269,342	269,342	269,342	269,342	269,342	269,342	269,342	269,342
12/31/2002	406,169	536,660	255,034	320,554	323,779	338,529	338,529	338,529	338,529	338,529	338,529
12/31/2003	399,566	419,303	429,659	429,659	429,659	386,159	386,159	386,159	386,159	386,159	386,159
12/31/2004	366,528	397,795	454,775	454,775	454,775	454,775	454,775	454,775	454,775	454,775	454,775
12/31/2005	542,964	549,217	553,804	526,804	475,804	475,804	480,804	511,308	491,073	480,804	480,804
12/31/2006	567,738	501,686	584,186	384,186	393,115	384,590	384,590	384,590	384,590	384,590	384,590
12/31/2007	888,372	868,271	848,184	856,815	756,815	744,315	744,315	744,315	794,315	794,315	
12/31/2008	598,879	575,523	625,023	675,166	618,042	618,042	618,042	618,042	618,042		
12/31/2009	607,812	689,740	712,120	625,046	625,046	625,046	635,046	639,866			
12/31/2010	398,662	405,846	401,247	401,247	405,881	405,881	405,881				
12/31/2011	918,683	961,102	879,778	878,672	878,672	878,172					
12/31/2012	800,959	875,619	794,953	813,136	908,636						
12/31/2013	723,678	658,762	633,447	659,007							
12/31/2014	859,755	863,370	798,347								
12/31/2015	1,212,486	1,147,483									
12/31/2016	1,327,728										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	396,398	396,398	396,398	396,398	396,398	396,398	396,398	396,398	396,398
12/31/1998	341,728	341,728	341,728	341,728	341,728	341,728	341,728	341,728	
12/31/1999	261,395	261,395	261,395	261,395	261,395	261,395	261,395		
12/31/2000	390,331	390,331	390,331	390,331	390,331	390,331			
12/31/2001	269,342	269,342	269,342	269,342	269,342				
12/31/2002	338,529	338,529	338,529	338,529					
12/31/2003	386,159	386,159	386,159						
12/31/2004	454,775	454,775							
12/31/2005	480,804								

PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 NORTH DAKOTA  
 PROPERTY DAMAGE - OCCURENCE

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	0.966	1.207	0.949	0.996	0.908	0.965	0.952	1.000	1.000	1.000	1.000
12/31/1998	1.097	0.948	1.168	1.000	0.931	1.015	1.000	1.000	1.000	1.000	1.000
12/31/1999	1.202	1.112	0.935	0.741	1.000	1.122	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.257	0.867	0.982	1.033	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2001	1.163	0.997	0.847	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2002	1.321	0.475	1.257	1.010	1.046	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.049	1.025	1.000	1.000	0.899	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2004	1.085	1.143	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.012	1.008	0.951	0.903	1.000	1.011	1.063	0.960	0.979	1.000	1.000
12/31/2006	0.884	1.164	0.658	1.023	0.978	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	0.977	0.977	1.010	0.883	0.983	1.000	1.000	1.067	1.000		
12/31/2008	0.961	1.086	1.080	0.915	1.000	1.000	1.000	1.000			
12/31/2009	1.135	1.032	0.878	1.000	1.000	1.016	1.008				
12/31/2010	1.018	0.989	1.000	1.012	1.000	1.000					
12/31/2011	1.046	0.915	0.999	1.000	0.999						
12/31/2012	1.093	0.908	1.023	1.117							
12/31/2013	0.910	0.962	1.040								
12/31/2014	1.004	0.925									
12/31/2015	0.946										
3 Yr Mean	0.953	0.932	1.021	1.043	1.000	1.005	1.003	1.022	0.993	1.000	1.000
Best 3/5	0.999	0.934	1.007	1.004	1.000	1.000	1.003	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2002	1.000	1.000	1.000								
12/31/2003	1.000	1.000									
12/31/2004	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

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					1.000	1.000	1.003	1.000	1.000	1.000	1.000
12/31/2013				1.004	1.000	1.000	1.003	1.000	1.000	1.000	1.000
12/31/2014			1.007	1.004	1.000	1.000	1.003	1.000	1.000	1.000	1.000
12/31/2015		0.934	1.007	1.004	1.000	1.000	1.003	1.000	1.000	1.000	1.000
12/31/2016	0.999	0.934	1.007	1.004	1.000	1.000	1.003	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.003
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.007
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.014
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.947
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.946

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

PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 NORTH DAKOTA  
 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>
12/31/1997	12,781	18,404	27,574	55,066	67,635	69,990	71,945	90,711	90,711	90,711	90,711
12/31/1998	22,975	33,303	30,937	53,822	87,615	93,171	93,171	98,390	98,390	98,390	98,390
12/31/1999	5,692	29,157	81,267	114,641	141,732	153,176	180,794	198,506	198,506	198,506	198,506
12/31/2000	10,608	43,557	45,259	45,608	72,493	72,493	72,493	72,493	72,493	72,493	72,493
12/31/2001	9,156	18,078	21,290	28,323	28,323	28,323	28,323	28,323	28,323	28,323	28,323
12/31/2002	13,544	79,324	112,717	150,977	156,863	155,867	155,867	155,867	155,867	155,867	155,867
12/31/2003	10,293	12,831	24,580	27,847	27,847	25,224	25,224	25,224	25,224	25,224	25,224
12/31/2004	16,898	98,140	37,736	37,736	37,736	37,736	37,736	37,736	37,736	37,736	37,736
12/31/2005	8,312	66,515	108,762	94,633	94,633	94,633	94,633	96,630	99,366	99,531	99,531
12/31/2006	105,853	86,394	79,818	54,652	54,982	54,982	54,982	54,982	54,982	54,982	54,982
12/31/2007	87,331	193,808	217,783	219,594	187,169	188,213	188,213	188,213	188,213	220,428	
12/31/2008	16,157	17,421	17,421	73,268	84,838	84,838	84,838	84,838	84,838		
12/31/2009	17,395	37,080	41,789	41,138	41,138	41,138	41,138	44,109			
12/31/2010	3,161	8,678	8,678	18,009	18,009	18,009	18,009				
12/31/2011	72,740	121,703	155,174	264,116	335,828	335,828					
12/31/2012	4,552	12,082	19,229	33,169	77,097						
12/31/2013	484,762	471,097	156,193	122,406							
12/31/2014	25,659	10,572	26,371								
12/31/2015	76,499	79,101									
12/31/2016	18,040										

<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	90,711	90,711	90,711	90,711	90,711	90,711	90,711	90,711	90,711
12/31/1998	98,390	98,390	98,390	98,390	98,390	98,390	98,390	98,390	
12/31/1999	198,506	198,506	198,506	198,506	198,506	198,506	198,506		
12/31/2000	72,493	72,493	72,493	72,493	72,493	72,493			
12/31/2001	28,323	28,323	28,323	28,323	28,323				
12/31/2002	155,867	155,867	155,867	155,867					
12/31/2003	25,224	25,224	25,224						
12/31/2004	37,736	37,736							
12/31/2005	99,531								

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

A.Y.E.	Increments												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	5,623	9,170	27,492	12,569	2,355	1,955	18,766	0	0	0	0	0	0
12/31/1998	10,328	-2,366	22,885	33,793	5,556	0	5,219	0	0	0	0	0	0
12/31/1999	23,465	52,110	33,374	27,091	11,444	27,618	17,712	0	0	0	0	0	0
12/31/2000	32,949	1,702	349	26,885	0	0	0	0	0	0	0	0	0
12/31/2001	8,922	3,212	7,033	0	0	0	0	0	0	0	0	0	0
12/31/2002	65,780	33,393	38,260	5,886	-996	0	0	0	0	0	0	0	0
12/31/2003	2,538	11,749	3,267	0	-2,623	0	0	0	0	0	0	0	0
12/31/2004	81,242	-60,404	0	0	0	0	0	0	0	0	0	0	0
12/31/2005	58,203	42,247	-14,129	0	0	1,997	2,736	165	0	0	0	0	0
12/31/2006	-19,459	-6,576	-25,166	330	0	0	0	0	0	0	0	0	0
12/31/2007	106,477	23,975	1,811	-32,425	1,044	0	0	0	32,215	0	0	0	0
12/31/2008	1,264	0	55,847	11,570	0	0	0	0	0	0	0	0	0
12/31/2009	19,685	4,709	-651	0	0	0	2,971	0	0	0	0	0	0
12/31/2010	5,517	0	9,331	0	0	0	0	0	0	0	0	0	0
12/31/2011	48,963	33,471	108,942	71,712	0	0	0	0	0	0	0	0	0
12/31/2012	7,530	7,147	13,940	43,928	0	0	0	0	0	0	0	0	0
12/31/2013	-13,665	-314,904	-33,787	0	0	0	0	0	0	0	0	0	0
12/31/2014	-15,087	15,799	0	0	0	0	0	0	0	0	0	0	0
12/31/2015	2,602	0	0	0	0	0	0	0	0	0	0	0	0

A.Y.E.	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	0.0141	0.0231	0.0691	0.0316	0.0059	0.0049	0.0472	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/1998	0.0301	-0.0069	0.0667	0.0985	0.0162	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/1999	0.0893	0.1984	0.1270	0.1031	0.0436	0.1051	0.0674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2000	0.0840	0.0043	0.0009	0.0685	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2001	0.0330	0.0119	0.0260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2002	0.1201	0.0610	0.0699	0.0108	-0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2003	0.0029	0.0136	0.0038	0.0000	-0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2004	0.0935	-0.0695	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2005	0.1103	0.0801	-0.0268	0.0000	0.0000	0.0000	0.0038	0.0052	0.0003	0.0000	0.0000	0.0000	0.0000
12/31/2006	-0.0267	-0.0090	-0.0346	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2007	0.0751	0.0169	0.0013	-0.0229	0.0007	0.0000	0.0000	0.0000	0.0227	0.0000	0.0000	0.0000	0.0000
12/31/2008	0.0020	0.0000	0.0891	0.0185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2009	0.0301	0.0072	-0.0010	0.0000	0.0000	0.0000	0.0045	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2010	0.0132	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2011	0.0303	0.0207	0.0673	0.0443	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2012	0.0073	0.0069	0.0135	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2013	-0.0109	-0.2521	-0.0270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2014	-0.0175	0.0184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2015	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	-0.0007	0.0084	0.0116	0.0204	0.0000	0.0000	0.0013	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
 OWNERS, LANDLORDS AND TENANTS  
 FULL COVERAGE  
 NORTH DAKOTA  
 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	619,452	501,507	394,327	341,869	413,745	455,949	393,449	393,449	393,449	393,449	393,449
12/31/1998	517,087	483,003	500,197	476,447	431,833	436,833	436,833	436,833	436,833	436,833	436,833
12/31/1999	638,235	558,279	487,679	552,917	547,417	503,541	503,541	503,541	503,541	403,541	403,541
12/31/2000	502,407	372,135	299,900	304,902	304,902	304,902	304,902	304,902	304,902	304,902	304,902
12/31/2001	412,569	624,876	556,915	551,023	577,040	577,040	577,040	577,540	577,040	577,040	577,040
12/31/2002	375,240	246,912	271,912	351,912	368,162	304,162	354,162	354,163	344,162	344,162	344,162
12/31/2003	485,181	335,343	358,982	317,384	279,963	261,785	261,785	361,785	361,785	361,785	361,785
12/31/2004	314,717	333,993	322,224	365,784	365,311	365,311	383,311	383,311	383,311	383,311	365,311
12/31/2005	606,735	693,545	567,967	315,467	320,813	390,534	321,069	320,813	320,813	320,813	320,813
12/31/2006	997,130	848,983	731,252	820,252	824,752	813,694	716,194	709,816	731,501	731,501	731,501
12/31/2007	888,388	494,167	401,531	340,681	349,756	349,756	349,756	349,756	349,756	349,756	
12/31/2008	1,046,094	1,006,473	890,374	758,316	685,878	685,878	704,878	704,878	704,878		
12/31/2009	665,851	428,026	232,940	222,742	253,794	253,580	102,786	167,786			
12/31/2010	622,174	663,918	466,298	371,298	638,298	540,298	535,548				
12/31/2011	351,267	371,771	365,955	390,226	395,226	424,742					
12/31/2012	305,941	322,163	613,434	638,435	638,434						
12/31/2013	691,544	608,258	666,129	601,660							
12/31/2014	497,519	294,136	232,937								
12/31/2015	694,583	596,074									
12/31/2016	574,017										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	393,449	393,449	393,449	393,449	393,449	393,449	393,449	393,449	393,449
12/31/1998	436,833	436,833	436,833	436,833	436,833	436,833	436,833	436,833	
12/31/1999	403,541	403,541	403,541	403,541	403,541	403,541	403,541		
12/31/2000	304,902	304,902	304,902	304,902	304,902	304,902			
12/31/2001	577,040	577,040	577,040	577,040	577,040				
12/31/2002	344,162	344,162	344,162	344,162					
12/31/2003	261,785	261,785	261,785						
12/31/2004	365,316	365,311							
12/31/2005	320,813								

PREMISES/OPERATIONS (Subline Code 334)  
 OWNERS, LANDLORDS AND TENANTS  
 FULL COVERAGE  
 NORTH DAKOTA  
 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	0.810	0.786	0.867	1.210	1.102	0.863	1.000	1.000	1.000	1.000	1.000
12/31/1998	0.934	1.036	0.953	0.906	1.012	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1999	0.875	0.874	1.134	0.990	0.920	1.000	1.000	1.000	0.801	1.000	1.000
12/31/2000	0.741	0.806	1.017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2001	1.515	0.891	0.989	1.047	1.000	1.000	1.001	0.999	1.000	1.000	1.000
12/31/2002	0.658	1.101	1.294	1.046	0.826	1.164	1.000	0.972	1.000	1.000	1.000
12/31/2003	0.691	1.070	0.884	0.882	0.935	1.000	1.382	1.000	1.000	1.000	0.724
12/31/2004	1.061	0.965	1.135	0.999	1.000	1.049	1.000	1.000	1.000	0.953	1.000
12/31/2005	1.143	0.819	0.555	1.017	1.217	0.822	0.999	1.000	1.000	1.000	1.000
12/31/2006	0.851	0.861	1.122	1.005	0.987	0.880	0.991	1.031	1.000	1.000	1.000
12/31/2007	0.556	0.813	0.848	1.027	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2008	0.962	0.885	0.852	0.904	1.000	1.028	1.000	1.000	1.000	1.000	1.000
12/31/2009	0.643	0.544	0.956	1.139	0.999	0.405	1.632	1.000	1.000	1.000	1.000
12/31/2010	1.067	0.702	0.796	1.719	0.846	0.991					
12/31/2011	1.058	0.984	1.066	1.013	1.075						
12/31/2012	1.053	1.904	1.041	1.000							
12/31/2013	0.880	1.095	0.903								
12/31/2014	0.591	0.792									
12/31/2015	0.858										
3 Yr Mean	0.776	1.264	1.003	1.244	0.973	0.808	1.211	1.010	1.000	0.984	0.908
Best 3/5	0.930	0.957	0.967	1.051	1.000	0.957	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	1.000	1.000	1.000	1.000	1.000			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2003	1.000	1.000									
12/31/2004	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

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					1.000	0.957	1.000	1.000	1.000	1.000	1.000
12/31/2013				1.051	1.000	0.957	1.000	1.000	1.000	1.000	1.000
12/31/2014			0.967	1.051	1.000	0.957	1.000	1.000	1.000	1.000	1.000
12/31/2015		0.957	0.967	1.051	1.000	0.957	1.000	1.000	1.000	1.000	1.000
12/31/2016	0.930	0.957	0.967	1.051	1.000	0.957	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.957
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.006
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.973
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.931
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.866

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

PREMISES/OPERATIONS (Subline Code 334)  
 OWNERS, LANDLORDS AND TENANTS  
 FULL COVERAGE  
 NORTH DAKOTA  
 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>
12/31/1997	116,219	123,354	103,675	79,407	134,257	126,094	123,990	123,990	123,990	123,990	123,990
12/31/1998	76,247	88,879	83,441	95,600	87,443	91,460	79,314	79,314	79,314	79,314	79,314
12/31/1999	149,998	69,136	98,643	179,663	183,969	227,407	227,406	165,316	165,317	145,880	145,880
12/31/2000	52,614	48,710	50,183	59,311	59,311	59,311	59,311	59,311	59,311	59,311	59,311
12/31/2001	55,837	86,209	125,088	107,462	109,920	109,920	109,920	110,606	110,607	110,607	110,607
12/31/2002	60,667	61,453	101,037	183,684	247,199	242,172	257,337	262,843	267,246	267,246	267,246
12/31/2003	113,368	56,112	68,569	74,781	108,098	85,042	85,042	185,043	185,043	185,043	185,045
12/31/2004	21,194	39,618	72,064	117,880	115,576	115,646	117,418	124,080	156,382	157,454	202,436
12/31/2005	18,024	190,116	340,694	184,771	194,042	199,322	233,039	232,359	232,359	232,359	232,359
12/31/2006	50,282	71,949	85,490	93,287	115,323	233,238	267,925	267,096	267,171	267,171	267,171
12/31/2007	44,126	33,555	73,249	139,976	215,560	215,560	215,560	215,560	215,560	215,560	
12/31/2008	167,736	45,523	167,017	369,815	335,014	346,145	164,556	164,556	164,556		
12/31/2009	102,864	85,828	36,108	36,308	26,059	191,762	161,875	168,286			
12/31/2010	20,973	69,812	91,391	101,102	152,939	125,029	125,029				
12/31/2011	13,495	73,098	85,362	119,033	118,931	104,238					
12/31/2012	37,555	32,483	263,762	536,239	526,252						
12/31/2013	40,463	77,626	80,470	108,328							
12/31/2014	13,531	6,506	23,191								
12/31/2015	75,884	120,166									
12/31/2016	281,377										

<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	123,990	123,990	123,990	123,990	123,990	123,990	123,990	123,990	123,990
12/31/1998	79,314	79,314	79,314	79,314	79,314	79,314	79,314	79,314	
12/31/1999	145,880	145,880	145,880	145,880	145,880	145,880	145,880		
12/31/2000	59,311	59,311	59,311	59,311	59,311	59,311			
12/31/2001	110,607	110,607	110,607	110,607	110,607				
12/31/2002	267,246	267,246	267,246	267,246					
12/31/2003	125,045	85,045	85,045						
12/31/2004	202,436	203,346							
12/31/2005	232,359								

PREMISES/OPERATIONS (Subline Code 334)  
 OWNERS, LANDLORDS AND TENANTS  
 FULL COVERAGE  
 NORTH DAKOTA  
 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>
12/31/1997	7,135	-19,679	-24,268	54,850	-8,163	-2,104	0	0	0	0	0	0	0
12/31/1998	12,632	-5,438	12,159	-8,157	4,017	-12,146	0	0	0	0	0	0	0
12/31/1999	-80,862	29,507	81,020	4,306	43,438	-1	-62,090	1	-19,437	0	0	0	0
12/31/2000	-3,904	1,473	9,128	0	0	0	0	0	0	0	0	0	0
12/31/2001	30,372	38,879	-17,626	2,458	0	0	686	1	0	0	0	0	0
12/31/2002	786	39,584	82,647	63,515	-5,027	15,165	5,506	4,403	0	0	0	0	0
12/31/2003	-57,256	12,457	6,212	33,317	-23,056	0	100,001	0	0	2	-60,000	-40,000	0
12/31/2004	18,424	32,446	45,816	-2,304	70	1,772	6,662	32,302	1,072	44,982	0	910	0
12/31/2005	172,092	150,578	-155,923	9,271	5,280	33,717	-680	0	0	0	0	0	0
12/31/2006	21,667	13,541	7,797	22,036	117,915	34,687	-829	75	0	0	0	0	0
12/31/2007	-10,571	39,694	66,727	75,584	0	0	0	0	0	0	0	0	0
12/31/2008	-122,213	121,494	202,798	-34,801	11,131	-181,589	0	0	0	0	0	0	0
12/31/2009	-17,036	-49,720	200	-10,249	165,703	-29,887	6,411	0	0	0	0	0	0
12/31/2010	48,839	21,579	9,711	51,837	-27,910	0	0	0	0	0	0	0	0
12/31/2011	59,603	12,264	33,671	-102	-14,693	0	0	0	0	0	0	0	0
12/31/2012	-5,072	231,279	272,477	-9,987	0	0	0	0	0	0	0	0	0
12/31/2013	37,163	2,844	27,858	0	0	0	0	0	0	0	0	0	0
12/31/2014	-7,025	16,685	0	0	0	0	0	0	0	0	0	0	0
12/31/2015	44,282	0	0	0	0	0	0	0	0	0	0	0	0

A.Y.E.	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	0.0181	-0.0500	-0.0616	0.1393	-0.0207	-0.0053	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/1998	0.0289	-0.0124	0.0278	-0.0187	0.0092	-0.0278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/1999	-0.2000	0.0730	0.2004	0.0106	0.1074	0.0000	-0.1536	0.0000	-0.0481	0.0000	0.0000	0.0000	0.0000
12/31/2000	-0.0128	0.0048	0.0299	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2001	0.0426	0.0545	-0.0247	0.0034	0.0000	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2002	0.0016	0.0799	0.1667	0.1281	-0.0101	0.0306	0.0111	0.0089	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2003	-0.2176	0.0473	0.0236	0.1266	-0.0876	0.0000	0.3801	0.0000	0.0000	0.0000	-0.2281	-0.1520	0.0000
12/31/2004	0.0295	0.0520	0.0734	-0.0037	0.0001	0.0028	0.0107	0.0518	0.0017	0.0721	0.0000	0.0015	0.0000
12/31/2005	0.5338	0.4670	-0.4836	0.0288	0.0164	0.1046	-0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2006	0.0163	0.0102	0.0059	0.0165	0.0885	0.0260	-0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2007	-0.0236	0.0886	0.1490	0.1688	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2008	-0.1304	0.1296	0.2164	-0.0371	0.0119	-0.1937	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2009	-0.1006	-0.2937	0.0012	-0.0605	0.9788	-0.1765	0.0379	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2010	0.0765	0.0338	0.0152	0.0812	-0.0437	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2011	0.1328	0.0273	0.0750	-0.0002	-0.0327	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2012	-0.0032	0.1464	0.1725	-0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2013	0.0483	0.0037	0.0362	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2014	-0.0200	0.0476	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2015	0.0413	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0288	0.0362	0.0421	-0.0146	-0.0070	-0.0588	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
 OWNERS, LANDLORDS AND TENANTS  
 FULL COVERAGE  
 NORTH DAKOTA  
 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	40,431	33,846	92,546	67,546	77,546	77,546	44,546	44,546	44,546	44,546	44,546
12/31/1998	44,998	36,741	36,741	36,741	36,741	36,741	36,741	36,741	36,741	36,741	36,741
12/31/1999	55,087	52,286	69,556	69,556	69,556	69,556	69,556	69,556	69,556	69,556	69,556
12/31/2000	47,576	35,341	40,296	40,296	37,230	37,230	37,230	37,230	37,230	37,230	37,230
12/31/2001	77,683	103,980	35,100	35,100	35,100	35,100	35,100	35,100	35,100	35,100	35,100
12/31/2002	130,946	90,027	65,027	65,027	65,027	65,027	65,027	65,027	65,027	65,027	65,027
12/31/2003	43,360	37,365	37,365	37,365	52,365	45,215	44,865	44,865	44,865	44,865	44,865
12/31/2004	25,828	44,542	23,242	23,242	23,242	23,242	23,242	23,242	23,242	23,242	23,242
12/31/2005	25,378	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443	32,443
12/31/2006	46,797	40,797	37,804	31,818	29,516	29,516	29,516	29,516	29,516	29,516	29,516
12/31/2007	60,123	61,123	55,123	55,123	55,123	55,123	55,123	55,123	55,123	55,123	
12/31/2008	81,928	51,134	51,134	51,134	51,134	51,134	51,134	51,134	51,134		
12/31/2009	25,532	97,645	97,645	22,645	22,645	22,645	22,645	22,645			
12/31/2010	67,358	72,088	60,411	43,025	43,025	43,025	43,025				
12/31/2011	41,470	42,790	42,790	42,790	42,790	42,790					
12/31/2012	55,976	55,677	54,676	54,676	54,676						
12/31/2013	59,114	168,546	127,567	133,546							
12/31/2014	177,732	184,247	162,391								
12/31/2015	43,858	47,574									
12/31/2016	38,551										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	44,546	44,546	44,546	44,546	44,546	44,546	44,546	44,546	44,546
12/31/1998	36,741	36,741	36,741	36,741	36,741	36,741	36,741	36,741	
12/31/1999	69,556	69,556	69,556	69,556	69,556	69,556	69,556		
12/31/2000	37,230	37,230	37,230	37,230	37,230	37,230			
12/31/2001	35,100	35,100	35,100	35,100	35,100				
12/31/2002	65,027	65,027	65,027	65,027					
12/31/2003	44,865	44,865	44,865						
12/31/2004	23,242	23,242							
12/31/2005	32,443								

PREMISES/OPERATIONS (Subline Code 334)  
 OWNERS, LANDLORDS AND TENANTS  
 FULL COVERAGE  
 NORTH DAKOTA  
 PROPERTY DAMAGE - OCCURENCE

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	0.837	2.734	0.730	1.148	1.000	0.574	1.000	1.000	1.000	1.000	1.000
12/31/1998	0.817	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1999	0.949	1.330	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	0.743	1.140	1.000	0.924	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2001	1.339	0.338	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2002	0.688	0.722	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	0.862	1.000	1.000	1.401	0.863	0.992	1.000	1.000	1.000	1.000	1.000
12/31/2004	1.725	0.522	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.278	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2006	0.872	0.927	0.842	0.928	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.017	0.902	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2008	0.624	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2009	3.824	1.000	0.232	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2010	1.070	0.838	0.712	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2011	1.032	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2012	0.995	0.982	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2013	2.851	0.757	1.047	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2014	1.037	0.881									
12/31/2015	1.085										
3 Yr Mean	1.658	0.873	1.016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Best 3/5	1.051	0.900	0.904	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2003	1.000	1.000									
12/31/2004	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

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					1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2013				1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2014			0.904	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015		0.900	0.904	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016	1.051	0.900	0.904	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.904
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.814
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.855

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

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

A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1997	4,364	1,050	12,507	32,818	48,921	84,890	100,048	102,910	102,910	102,910	102,910
12/31/1998	5,743	3,510	3,510	3,510	3,510	3,510	3,510	3,510	3,510	3,510	3,510
12/31/1999	2,390	2,492	3,045	3,045	3,045	3,045	3,045	3,045	3,045	3,045	3,045
12/31/2000	3,764	3,550	3,550	3,550	3,550	3,550	3,550	3,550	3,550	3,550	3,550
12/31/2001	19,657	18,978	28,167	35,667	17,432	17,432	17,432	17,432	17,432	17,432	17,432
12/31/2002	12,097	18,760	18,760	19,768	19,768	19,768	19,768	19,768	19,768	19,768	19,768
12/31/2003	1,143	1,143	1,143	1,143	9,844	15,557	15,557	15,557	15,557	15,557	15,557
12/31/2004	490	3,707	3,842	3,842	3,842	3,842	3,842	3,842	3,842	3,842	3,842
12/31/2005	1,907	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960
12/31/2006	500	500	500	500	500	500	500	500	500	500	500
12/31/2007	1,532	1,532	1,532	1,532	1,532	1,532	1,532	1,532	1,532	1,532	1,532
12/31/2008	168	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218	3,218
12/31/2009	1,461	1,461	1,461	1,461	1,461	1,461	1,461	1,461	1,461	1,461	1,461
12/31/2010	5,777	15,276	26,954	30,502	30,502	30,502	30,502	30,502	30,502	30,502	30,502
12/31/2011	1,296	946	946	946	946	946	946	946	946	946	946
12/31/2012	208	50,208	688	688	688	688	688	688	688	688	688
12/31/2013	4,520	5,024	5,793	5,793	5,793	5,793	5,793	5,793	5,793	5,793	5,793
12/31/2014	6,468	92,029	110,744	110,744	110,744	110,744	110,744	110,744	110,744	110,744	110,744
12/31/2015	10,856	9,377	9,377	9,377	9,377	9,377	9,377	9,377	9,377	9,377	9,377
12/31/2016	784	784	784	784	784	784	784	784	784	784	784

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	102,910	102,910	102,910	102,910	102,910	102,910	102,910	102,910	102,910
12/31/1998	3,510	3,510	3,510	3,510	3,510	3,510	3,510	3,510	3,510
12/31/1999	3,045	3,045	3,045	3,045	3,045	3,045	3,045	3,045	3,045
12/31/2000	3,550	3,550	3,550	3,550	3,550	3,550	3,550	3,550	3,550
12/31/2001	17,432	17,432	17,432	17,432	17,432	17,432	17,432	17,432	17,432
12/31/2002	19,768	19,768	19,768	19,768	19,768	19,768	19,768	19,768	19,768
12/31/2003	15,557	15,557	15,557	15,557	15,557	15,557	15,557	15,557	15,557
12/31/2004	3,842	3,842	3,842	3,842	3,842	3,842	3,842	3,842	3,842
12/31/2005	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960

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

A.Y.E.	Increments												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	-3,314	11,457	20,311	16,103	35,969	15,158	2,862	0	0	0	0	0	0
12/31/1998	-2,233	0	0	0	0	0	0	0	0	0	0	0	0
12/31/1999	102	553	0	0	0	0	0	0	0	0	0	0	0
12/31/2000	-214	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2001	-679	9,189	7,500	-18,235	0	0	0	0	0	0	0	0	0
12/31/2002	6,663	0	1,008	0	0	0	0	0	0	0	0	0	0
12/31/2003	0	0	0	8,701	5,713	0	0	0	0	0	0	0	0
12/31/2004	3,217	135	0	0	0	0	0	0	0	0	0	0	0
12/31/2005	1,053	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2006	0	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2007	0	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2008	3,050	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2009	0	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2010	9,499	11,678	3,548	0	0	0	0	0	0	0	0	0	0
12/31/2011	-350	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2012	50,000	-49,520	0	0	0	0	0	0	0	0	0	0	0
12/31/2013	504	769	0	0	0	0	0	0	0	0	0	0	0
12/31/2014	85,561	18,715	0	0	0	0	0	0	0	0	0	0	0
12/31/2015	-1,479	0	0	0	0	0	0	0	0	0	0	0	0

A.Y.E.	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	-0.0731	0.2526	0.4479	0.3551	0.7932	0.3343	0.0631	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/1998	-0.0595	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/1999	0.0014	0.0077	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2000	-0.0056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2001	-0.0187	0.2537	0.2070	-0.5034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2002	0.0993	0.0000	0.0150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2003	0.0000	0.0000	0.0000	0.1876	0.1232	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2004	0.1332	0.0056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2005	0.0312	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2008	0.0566	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2010	0.2029	0.2495	0.0758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2011	-0.0074	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2012	0.8093	-0.8015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2013	0.0033	0.0050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2014	0.1300	0.0284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2015	-0.0259	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0420	0.0111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 MULTISTATE  
 BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<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	69,708,552	114,188,988	139,913,005	149,156,009	150,579,252	152,610,530	153,325,516	152,461,368	152,643,681	151,620,272	151,436,554
12/31/1998	71,965,580	108,838,863	140,034,363	149,264,658	152,850,540	152,972,331	152,761,064	153,476,286	153,373,673	153,225,635	152,728,246
12/31/1999	68,552,477	108,049,840	138,113,970	151,732,305	158,092,147	161,360,326	160,903,104	159,520,914	159,190,791	158,679,014	158,758,793
12/31/2000	62,125,648	111,872,599	158,094,121	175,659,189	180,657,376	180,040,192	177,244,953	174,737,314	174,210,734	173,851,063	173,347,747
12/31/2001	69,387,556	116,739,413	157,396,549	168,876,434	174,877,174	170,696,892	167,664,861	166,628,478	166,445,102	166,362,125	166,095,104
12/31/2002	58,485,833	98,215,865	128,733,246	149,786,690	148,290,352	146,334,123	144,491,881	143,359,507	143,357,319	142,995,933	143,012,630
12/31/2003	60,981,471	96,571,375	136,470,206	146,907,431	143,098,315	141,485,797	139,855,976	138,020,925	138,033,415	137,592,735	137,672,464
12/31/2004	64,304,129	108,766,865	139,594,118	146,722,420	143,616,227	140,610,516	138,923,183	137,725,678	138,022,870	137,961,766	138,028,061
12/31/2005	65,902,890	105,088,851	134,423,720	145,119,445	142,172,191	138,935,172	138,118,810	137,575,971	137,536,817	136,911,850	136,959,622
12/31/2006	66,540,079	102,531,356	127,901,873	133,682,813	132,138,536	131,621,025	131,360,791	130,184,474	129,976,403	129,719,874	129,763,192
12/31/2007	73,175,329	110,602,655	142,237,713	151,842,440	149,703,760	150,370,985	149,275,688	149,320,676	148,346,380	147,826,137	
12/31/2008	75,297,860	117,665,055	145,047,725	153,883,365	151,816,682	150,051,545	150,647,547	149,046,198	149,153,058		
12/31/2009	79,123,234	116,124,827	145,346,813	155,361,931	154,154,244	152,035,756	149,589,267	149,728,680			
12/31/2010	78,139,353	116,463,445	147,987,360	157,246,394	156,760,627	154,865,550	155,293,927				
12/31/2011	86,576,404	128,097,567	161,542,124	175,946,383	174,077,128	174,324,872					
12/31/2012	69,317,784	110,154,538	141,904,604	148,175,412	150,106,718						
12/31/2013	73,299,343	117,431,853	147,930,406	162,752,538							
12/31/2014	82,444,657	131,637,023	171,312,261								
12/31/2015	73,555,216	120,588,637									
12/31/2016	72,521,654										
<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	151,598,515	151,854,519	151,697,231	151,615,665	151,761,914	151,647,417	151,602,415	151,669,817	151,662,317		
12/31/1998	152,990,301	153,034,714	153,039,139	152,729,279	152,651,493	152,752,134	152,663,109	152,703,058			
12/31/1999	158,913,078	158,955,359	158,856,562	158,780,371	158,874,560	159,061,603	159,205,489				
12/31/2000	173,441,887	173,449,686	173,671,080	173,405,213	173,352,439	173,434,939					
12/31/2001	165,823,319	166,043,544	166,069,993	165,687,257	165,747,836						
12/31/2002	143,228,969	142,985,266	142,918,320	142,928,914							
12/31/2003	137,628,000	137,801,061	137,688,100								
12/31/2004	138,128,248	138,227,043									
12/31/2005	136,895,040										

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
12/31/1997	1.638	1.225	1.066	1.010	1.013	1.005	0.994	1.001	0.993	0.999	1.001
12/31/1998	1.512	1.287	1.066	1.024	1.001	0.999	1.005	0.999	0.999	0.997	1.002
12/31/1999	1.576	1.278	1.099	1.042	1.021	0.997	0.991	0.998	0.997	1.001	1.001
12/31/2000	1.801	1.413	1.111	1.028	0.997	0.984	0.986	0.997	0.998	0.997	1.001
12/31/2001	1.682	1.348	1.073	1.036	0.976	0.982	0.994	0.999	1.000	0.998	0.998
12/31/2002	1.679	1.311	1.164	0.990	0.987	0.987	0.992	1.000	0.997	1.000	1.002
12/31/2003	1.584	1.413	1.076	0.974	0.989	0.988	0.987	1.000	0.997	1.001	1.000
12/31/2004	1.691	1.283	1.051	0.979	0.979	0.988	0.991	1.002	1.000	1.000	1.001
12/31/2005	1.595	1.279	1.080	0.980	0.977	0.994	0.996	1.000	0.995	1.000	1.000
12/31/2006	1.541	1.247	1.045	0.988	0.996	0.998	0.991	0.998	0.998	1.000	
12/31/2007	1.511	1.286	1.068	0.986	1.004	0.993	1.000	0.993	0.996		
12/31/2008	1.563	1.233	1.061	0.987	0.988	1.004	0.989	1.001			
12/31/2009	1.468	1.252	1.069	0.992	0.986	0.984	1.001				
12/31/2010	1.490	1.271	1.063	0.997	0.988	1.003					
12/31/2011	1.480	1.261	1.089	0.989	1.001						
12/31/2012	1.589	1.288	1.044	1.013							
12/31/2013	1.602	1.260	1.100								
12/31/2014	1.597	1.301									
12/31/2015	1.639										
3 Yr Mean	1.613	1.283	1.078	1.000	0.992	0.997	0.997	0.997	0.996	1.000	1.000
Best 3/5	1.596	1.273	1.074	0.993	0.992	0.998	0.996	1.000	0.997	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	1.002	0.999	0.999	1.001	0.999	1.000	1.000	1.000			
12/31/1998	1.000	1.000	0.998	0.999	1.001	0.999	1.000	1.000	*		
12/31/1999	1.000	0.999	1.000	1.001	1.001	1.001	1.000	1.000	*		
12/31/2000	1.000	1.001	0.998	1.000	1.000	1.000	1.000	1.000	*		
12/31/2001	1.001	1.000	0.998	1.000	1.000	*	1.000	1.000	*		
12/31/2002	0.998	1.000	1.000								
12/31/2003	1.001	0.999									
12/31/2004	1.001										
3 Yr Mean	1.000	1.000	0.999	1.000	1.001 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.001	1.000	0.999	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
12/31/2012				51/ 63		0.992	0.998	0.996	1.000	0.997	1.000	1.000
12/31/2013				0.993		0.992	0.998	0.996	1.000	0.997	1.000	1.000
12/31/2014			1.074	0.993		0.992	0.998	0.996	1.000	0.997	1.000	1.000
12/31/2015		1.273	1.074	0.993		0.992	0.998	0.996	1.000	0.997	1.000	1.000
12/31/2016	1.596	1.273	1.074	0.993		0.992	0.998	0.996	1.000	0.997	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	0.983
12/31/2013	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	0.976
12/31/2014	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.048
12/31/2015	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.335
12/31/2016	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	2.130

\* 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>
12/31/1997	5,824,419	10,372,844	12,205,658	14,647,651	15,198,561	15,319,438	15,360,305	14,826,123	14,768,175	15,225,463	15,122,251
12/31/1998	3,912,429	7,742,442	12,881,236	14,319,178	14,453,769	14,666,806	13,946,899	14,016,109	14,427,704	14,392,246	14,388,040
12/31/1999	4,259,402	8,326,790	12,445,484	15,763,854	16,848,022	14,365,719	14,231,252	14,874,974	14,460,291	14,365,198	14,317,157
12/31/2000	4,419,559	9,842,573	14,238,938	16,578,197	13,185,783	13,640,157	14,892,732	14,585,647	14,294,697	14,157,579	14,187,230
12/31/2001	5,876,071	11,127,402	15,593,478	14,208,574	15,453,772	16,079,209	15,752,856	15,300,802	15,464,100	15,612,845	15,595,220
12/31/2002	5,605,437	10,445,984	13,248,088	14,434,480	15,201,014	14,893,658	14,467,011	14,462,660	14,220,868	14,155,344	14,239,281
12/31/2003	6,531,439	10,144,380	14,234,211	16,188,032	15,131,070	14,313,727	14,191,936	14,134,473	14,189,293	14,330,151	14,664,615
12/31/2004	5,877,149	10,515,270	16,108,765	16,220,485	16,419,426	15,876,926	16,195,002	15,985,211	15,785,574	15,406,985	15,414,740
12/31/2005	7,754,300	13,000,466	17,918,629	18,573,901	18,585,540	18,342,910	18,057,242	17,780,434	17,550,067	17,691,169	17,708,426
12/31/2006	9,097,179	14,168,212	16,297,827	17,836,654	18,648,681	18,223,557	18,544,094	18,437,415	18,510,510	18,367,033	18,366,222
12/31/2007	9,182,363	12,509,248	16,978,853	17,882,910	18,280,930	17,883,905	17,884,969	18,300,883	18,276,940	18,201,579	
12/31/2008	10,160,552	13,408,039	17,637,181	18,768,530	19,215,383	19,621,275	19,536,512	19,566,183	19,428,917		
12/31/2009	10,242,139	15,027,164	17,468,726	18,926,053	19,386,795	20,202,909	20,179,467	20,169,491			
12/31/2010	11,087,012	14,638,759	18,906,640	20,881,577	20,846,249	20,429,575	20,011,024				
12/31/2011	10,546,153	15,032,093	19,944,847	22,446,117	22,433,436	22,607,355					
12/31/2012	6,981,826	16,120,684	22,116,792	22,738,971	23,280,894						
12/31/2013	9,851,550	16,680,290	19,107,560	22,833,738							
12/31/2014	11,586,070	17,678,102	25,832,490								
12/31/2015	11,548,417	19,520,576									
12/31/2016	10,885,589										
<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	15,011,472	15,011,468	15,011,468	15,011,468	15,011,468	15,011,468	15,006,468	15,006,468	15,006,468		
12/31/1998	14,373,040	14,368,290	14,355,790	14,290,790	14,390,790	14,270,790	14,270,790	14,270,790			
12/31/1999	14,243,715	14,262,117	14,296,616	14,148,116	14,148,112	14,104,612	14,104,612				
12/31/2000	14,222,230	14,121,991	14,193,737	14,187,279	14,098,079	14,098,079					
12/31/2001	15,706,942	16,054,779	16,049,708	16,109,038	16,105,867						
12/31/2002	15,133,312	15,080,448	15,171,008	15,071,006							
12/31/2003	14,764,513	14,712,844	14,501,344								
12/31/2004	15,453,829	15,408,728									
12/31/2005	17,608,427										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.781	1.177	1.200	1.038	1.008	1.003	0.965	0.996	1.031	0.993	0.993
12/31/1998	1.979	1.664	1.112	1.009	1.015	0.951	1.005	1.029	0.998	1.000	0.999
12/31/1999	1.955	1.495	1.267	1.069	0.853	0.991	1.045	0.972	0.993	0.997	0.995
12/31/2000	2.227	1.447	1.164	0.795	1.034	1.092	0.979	0.980	0.990	1.002	1.002
12/31/2001	1.894	1.401	0.911	1.088	1.040	0.980	0.971	1.011	1.010	0.999	1.007
12/31/2002	1.864	1.268	1.090	1.053	0.980	0.971	1.000	0.983	0.995	1.006	1.063
12/31/2003	1.553	1.403	1.137	0.935	0.946	0.991	0.996	1.004	1.010	1.023	1.007
12/31/2004	1.789	1.532	1.007	1.012	0.967	1.020	0.987	0.988	0.976	1.001	1.003
12/31/2005	1.677	1.378	1.037	1.001	0.987	0.984	0.985	0.987	1.008	1.001	0.994
12/31/2006	1.557	1.150	1.094	1.046	0.977	1.018	0.994	1.004	0.992	1.000	
12/31/2007	1.362	1.357	1.053	1.022	0.978	1.000	1.023	0.999	0.996		
12/31/2008	1.320	1.315	1.064	1.024	1.021	0.996	1.002	0.993			
12/31/2009	1.467	1.162	1.083	1.024	1.042	0.999	1.000				
12/31/2010	1.320	1.292	1.104	0.998	0.980	0.980					
12/31/2011	1.425	1.327	1.125	0.999	1.008						
12/31/2012	2.309	1.372	1.028	1.024							
12/31/2013	1.693	1.146	1.195								
12/31/2014	1.526	1.461									
12/31/2015	1.690										
3 Yr Mean	1.636	1.326	1.116	1.007	1.010	0.992	1.008	0.999	0.999	1.001	1.001
Best 3/5	1.636	1.330	1.104	1.016	1.003	0.998	0.999	0.993	0.999	1.003	1.006

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1998	1.000	0.999	0.995	1.007	0.992	1.000	1.000	1.000			
12/31/1999	1.001	1.002	0.990	1.000	0.997	1.000	1.000	1.000	*		
12/31/2000	0.993	1.005	1.000	0.994	1.000	0.999	1.000	1.000	*		
12/31/2001	1.022	1.000	1.004	1.000	1.000	*	0.999	*	1.000	*	
12/31/2002	0.997	1.006	0.993								
12/31/2003	0.997	0.986									
12/31/2004	0.997										
3 Yr Mean	0.997	0.997	0.999	0.998	0.996 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.997	1.002	0.996	1.000	0.999 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.003	0.998	0.999	0.993	0.999	1.003	1.006
12/31/2013				1.016	1.003	0.998	0.999	0.993	0.999	1.003	1.006
12/31/2014			1.104	1.016	1.003	0.998	0.999	0.993	0.999	1.003	1.006
12/31/2015		1.330	1.104	1.016	1.003	0.998	0.999	0.993	0.999	1.003	1.006
12/31/2016	1.636	1.330	1.104	1.016	1.003	0.998	0.999	0.993	0.999	1.003	1.006

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	0.997	1.002	0.996	1.000	0.999	1.000	1.000	1.000	1.000*	0.995
12/31/2013	0.997	1.002	0.996	1.000	0.999	1.000	1.000	1.000	1.000*	1.011
12/31/2014	0.997	1.002	0.996	1.000	0.999	1.000	1.000	1.000	1.000*	1.116
12/31/2015	0.997	1.002	0.996	1.000	0.999	1.000	1.000	1.000	1.000*	1.484
12/31/2016	0.997	1.002	0.996	1.000	0.999	1.000	1.000	1.000	1.000*	2.428

\* 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>
12/31/1997	14,152,085	26,796,780	46,591,268	56,307,013	65,108,053	70,103,131	73,633,733	75,548,174	77,594,163	78,686,154	78,673,232
12/31/1998	9,275,917	27,639,347	44,225,463	58,033,053	67,373,529	74,958,864	78,754,355	81,058,628	81,514,246	81,967,296	82,670,881
12/31/1999	9,823,638	24,849,122	43,677,426	61,571,513	76,182,359	83,138,069	86,022,185	87,745,788	88,180,451	88,845,091	89,599,980
12/31/2000	9,553,255	24,087,073	50,601,787	74,404,933	89,474,725	98,209,360	106,547,206	104,644,334	107,105,238	107,350,993	108,429,333
12/31/2001	11,840,085	31,105,902	57,439,105	81,367,204	96,100,880	103,859,866	108,023,392	110,067,714	112,367,488	111,979,920	112,051,250
12/31/2002	9,941,766	27,424,497	47,415,821	70,012,255	80,847,868	88,602,619	91,564,898	92,149,698	93,731,460	94,292,154	93,744,400
12/31/2003	10,869,182	27,647,642	51,383,781	72,535,615	82,813,774	90,879,878	93,576,255	94,981,553	95,714,583	96,309,199	96,188,980
12/31/2004	8,850,020	26,183,264	50,532,476	70,161,882	78,887,116	84,181,234	85,728,978	85,962,464	87,440,664	88,057,559	87,943,892
12/31/2005	8,294,859	22,628,547	49,682,110	69,003,945	80,258,488	85,689,600	88,484,126	89,852,885	90,560,284	91,073,938	92,232,567
12/31/2006	7,977,186	25,222,012	49,085,210	66,001,101	76,162,628	81,076,595	86,346,485	89,162,615	89,793,328	91,551,763	92,020,194
12/31/2007	10,666,101	29,585,518	59,598,292	81,466,581	94,567,243	101,209,576	103,856,338	106,008,659	106,913,034	107,738,468	
12/31/2008	10,456,616	32,051,673	58,199,303	83,146,635	96,328,143	103,423,533	108,297,902	109,442,531	110,690,057		
12/31/2009	11,919,501	30,258,549	55,935,560	88,821,727	104,059,072	110,364,373	113,680,741	115,610,502			
12/31/2010	11,786,840	34,548,710	66,118,366	89,257,880	105,843,400	111,779,052	116,490,868				
12/31/2011	13,251,676	38,707,638	72,864,095	104,782,193	121,022,347	135,173,614					
12/31/2012	9,989,442	34,239,379	69,178,833	93,493,946	111,841,749						
12/31/2013	12,198,431	40,651,659	75,801,741	106,574,503							
12/31/2014	16,907,771	48,286,165	91,860,129								
12/31/2015	15,007,972	44,255,077									
12/31/2016	17,111,977										

<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	78,492,504	78,722,801	78,557,042	78,933,187	79,192,225	79,577,809	79,472,634	79,590,543	79,839,025
12/31/1998	82,826,401	82,971,113	83,164,359	83,277,410	83,338,981	83,361,658	83,423,945	83,501,988	
12/31/1999	90,072,744	90,212,634	90,272,893	90,293,429	90,329,854	90,418,578	90,554,085		
12/31/2000	110,099,392	110,164,392	110,388,863	111,417,758	112,158,810	112,831,181			
12/31/2001	112,338,146	112,668,962	112,827,370	112,665,808	112,798,670				
12/31/2002	94,196,263	94,446,832	95,074,310	95,557,654					
12/31/2003	96,643,796	97,044,247	97,124,206						
12/31/2004	88,373,690	88,387,539							
12/31/2005	92,180,229								

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

A.Y.E.	Increments													
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159	
12/31/1997	12,644,695	19,794,488	9,715,745	8,801,040	4,995,078	3,530,602	1,914,441	2,045,989	1,091,991	-12,922	-180,728	230,297	-165,759	
12/31/1998	18,363,430	16,586,116	13,807,590	9,340,476	7,585,335	3,795,491	2,304,273	455,618	453,050	703,585	155,520	144,712	193,246	
12/31/1999	15,025,484	18,828,304	17,894,087	14,610,846	6,955,710	2,884,116	1,723,603	434,663	664,640	754,889	472,764	139,890	60,259	
12/31/2000	14,533,818	26,514,714	23,803,146	15,069,792	8,734,635	8,337,846	-1,902,872	2,460,904	245,755	1,078,340	1,670,059	65,000	224,471	
12/31/2001	19,265,817	26,333,203	23,928,099	14,733,676	7,758,986	4,163,526	2,044,322	2,299,774	-387,568	71,330	286,896	330,816	158,408	
12/31/2002	17,482,731	19,991,324	22,596,434	10,835,613	7,754,751	2,962,279	584,800	1,581,762	560,694	-547,754	451,863	250,569	627,478	
12/31/2003	16,778,460	23,736,139	21,151,834	10,278,159	8,066,104	2,696,377	1,405,298	733,030	594,616	-120,219	454,816	400,451	79,959	
12/31/2004	17,333,244	24,349,212	19,629,406	8,725,234	5,294,118	1,547,744	233,486	1,478,200	616,895	-113,667	429,798	13,849		
12/31/2005	14,333,688	27,053,563	19,321,835	11,254,543	5,431,112	2,794,526	1,368,759	707,399	513,654	1,158,629	-52,338			
12/31/2006	17,244,826	23,863,198	16,915,891	10,161,527	4,913,967	5,269,890	2,816,130	630,713	1,758,435	468,431				
12/31/2007	18,919,417	30,012,774	21,868,289	13,100,662	6,642,333	2,646,762	2,152,321	904,375	825,434					
12/31/2008	21,595,057	26,147,630	24,947,332	13,181,508	7,095,390	4,874,369	1,144,629	1,247,526						
12/31/2009	18,339,048	25,677,011	32,886,167	15,237,345	6,305,301	3,316,368	1,929,761							
12/31/2010	22,761,870	31,569,656	23,139,514	16,585,520	5,935,652	4,711,816								
12/31/2011	25,455,962	34,156,457	31,918,098	16,240,154	14,151,267									
12/31/2012	24,249,937	34,939,454	24,315,113	18,347,803										
12/31/2013	28,453,228	35,150,082	30,772,762											
12/31/2014	31,378,394	43,573,964												
12/31/2015	29,247,105													

A.Y.E.	Incremental Percentages													
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159	
12/31/1997	0.0464	0.0727	0.0357	0.0323	0.0183	0.0130	0.0070	0.0075	0.0040	0.0000	-0.0007	0.0008	-0.0006	
12/31/1998	0.0671	0.0606	0.0505	0.0341	0.0277	0.0139	0.0084	0.0017	0.0017	0.0026	0.0006	0.0005	0.0007	
12/31/1999	0.0531	0.0665	0.0632	0.0516	0.0246	0.0102	0.0061	0.0015	0.0023	0.0027	0.0017	0.0005	0.0002	
12/31/2000	0.0457	0.0833	0.0748	0.0474	0.0275	0.0262	-0.0060	0.0077	0.0008	0.0034	0.0052	0.0002	0.0007	
12/31/2001	0.0640	0.0875	0.0795	0.0489	0.0258	0.0138	0.0068	0.0076	-0.0013	0.0002	0.0010	0.0011	0.0005	
12/31/2002	0.0658	0.0753	0.0851	0.0408	0.0292	0.0112	0.0022	0.0060	0.0021	-0.0021	0.0017	0.0009	0.0024	
12/31/2003	0.0659	0.0933	0.0831	0.0404	0.0317	0.0106	0.0055	0.0029	0.0023	-0.0005	0.0018	0.0016	0.0003	
12/31/2004	0.0669	0.0939	0.0757	0.0337	0.0204	0.0060	0.0009	0.0057	0.0024	-0.0004	0.0017	0.0001		
12/31/2005	0.0578	0.1091	0.0779	0.0454	0.0219	0.0113	0.0055	0.0029	0.0021	0.0047	-0.0002			
12/31/2006	0.0674	0.0933	0.0661	0.0397	0.0192	0.0206	0.0110	0.0025	0.0069	0.0018				
12/31/2007	0.0648	0.1028	0.0749	0.0449	0.0228	0.0091	0.0074	0.0031	0.0028					
12/31/2008	0.0748	0.0905	0.0864	0.0456	0.0246	0.0169	0.0040	0.0043						
12/31/2009	0.0645	0.0903	0.1157	0.0536	0.0222	0.0117	0.0068							
12/31/2010	0.0800	0.1109	0.0813	0.0583	0.0209	0.0166								
12/31/2011	0.0739	0.0991	0.0927	0.0471	0.0411									
12/31/2012	0.0808	0.1164	0.0810	0.0611										
12/31/2013	0.0881	0.1089	0.0953											
12/31/2014	0.0850	0.1180												
12/31/2015	0.0919													

Best 3/5	0.0846	0.1121	0.0898	0.0530	0.0232	0.0150	0.0066	0.0034	0.0025	0.0003	0.0014	0.0007	0.0005
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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>
12/31/1997	85,409,785	97,732,899	102,792,558	105,993,669	112,828,338	112,622,999	113,647,737	114,494,289	113,348,149	112,953,620	112,634,176
12/31/1998	92,463,012	105,230,211	112,678,627	121,020,434	121,986,567	122,820,878	122,912,224	122,955,444	123,379,396	122,980,115	123,515,129
12/31/1999	104,907,393	120,752,840	134,171,061	137,676,269	139,822,544	138,756,564	136,948,350	136,424,125	136,697,799	136,989,646	137,707,269
12/31/2000	117,153,125	134,701,583	142,895,611	149,472,285	151,245,664	151,534,056	151,985,097	152,733,999	152,738,411	153,913,034	154,028,755
12/31/2001	111,422,457	125,968,902	136,336,665	139,252,139	140,214,730	141,447,731	141,818,760	142,247,802	143,294,526	143,426,232	143,835,220
12/31/2002	97,197,101	110,529,243	114,364,147	117,379,840	118,593,539	119,141,054	119,320,162	119,324,890	120,014,504	120,618,635	120,713,998
12/31/2003	89,617,862	99,321,003	105,066,860	107,874,281	108,861,406	109,690,459	109,721,017	110,113,684	110,303,404	110,288,179	110,536,508
12/31/2004	106,759,137	120,691,895	121,758,908	123,120,166	124,420,661	123,771,796	124,363,744	124,417,240	124,922,808	125,257,320	125,487,146
12/31/2005	105,248,266	115,799,689	119,525,529	121,954,784	123,060,132	123,634,721	124,088,697	125,036,263	125,461,663	127,222,824	127,522,105
12/31/2006	109,489,294	118,805,204	122,089,735	124,703,786	126,935,022	128,424,246	130,471,760	130,837,864	131,688,149	132,294,652	132,530,720
12/31/2007	118,909,120	131,457,741	135,664,350	137,355,762	138,400,457	140,124,200	140,527,309	141,518,872	142,397,577	142,545,570	
12/31/2008	126,938,980	140,336,538	144,725,418	147,005,175	149,297,635	150,186,567	150,557,506	151,405,540	152,153,199		
12/31/2009	120,204,937	131,497,509	135,262,167	136,412,396	137,892,525	138,554,225	139,738,175	141,221,895			
12/31/2010	127,871,060	139,763,693	142,622,506	144,437,855	144,828,317	144,583,959	145,245,542				
12/31/2011	139,742,671	150,409,921	155,194,162	156,053,436	156,820,697	157,619,077					
12/31/2012	129,317,273	139,639,917	143,904,983	146,832,127	147,883,967						
12/31/2013	123,665,826	135,978,928	140,817,374	142,716,760							
12/31/2014	129,115,965	141,878,220	147,150,590								
12/31/2015	129,411,846	143,224,684									
12/31/2016	135,749,467										

<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	112,935,115	113,029,239	113,086,415	113,025,897	113,152,156	113,034,016	113,137,057	113,101,264	113,114,113
12/31/1998	123,946,541	123,997,517	123,811,591	123,883,113	123,902,288	123,963,022	123,894,976	124,151,933	
12/31/1999	138,231,011	137,779,715	137,939,077	137,898,035	137,914,221	138,035,775	138,107,090		
12/31/2000	153,998,735	153,408,223	153,199,765	153,116,284	153,249,274	153,312,773			
12/31/2001	143,891,321	144,118,274	144,501,375	144,786,993	144,851,640				
12/31/2002	120,584,528	121,053,354	121,524,658	121,413,713					
12/31/2003	110,903,562	110,845,472	111,062,903						
12/31/2004	125,553,539	125,649,351							
12/31/2005	127,146,704								

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
12/31/1997	1.144	1.052	1.031	1.064	0.998	1.009	1.007	0.990	0.997	0.997	1.003
12/31/1998	1.138	1.071	1.074	1.008	1.007	1.001	1.000	1.003	0.997	1.004	1.003
12/31/1999	1.151	1.111	1.026	1.016	0.992	0.987	0.996	1.002	1.002	1.005	1.004
12/31/2000	1.150	1.061	1.046	1.012	1.002	1.003	1.005	1.000	1.008	1.001	1.000
12/31/2001	1.131	1.082	1.021	1.007	1.009	1.003	1.003	1.007	1.001	1.003	1.000
12/31/2002	1.137	1.035	1.026	1.010	1.005	1.002	1.000	1.006	1.005	1.001	0.999
12/31/2003	1.108	1.058	1.027	1.009	1.008	1.000	1.004	1.002	1.000	1.001	1.003
12/31/2004	1.131	1.009	1.011	1.011	0.995	1.005	1.000	1.004	1.003	1.002	1.001
12/31/2005	1.100	1.032	1.020	1.009	1.005	1.004	1.008	1.003	1.014	1.002	0.997
12/31/2006	1.085	1.028	1.021	1.018	1.012	1.016	1.003	1.006	1.005	1.002	
12/31/2007	1.106	1.032	1.012	1.008	1.012	1.003	1.007	1.006	1.001		
12/31/2008	1.106	1.031	1.016	1.016	1.006	1.002	1.006	1.005			
12/31/2009	1.094	1.029	1.009	1.011	1.005	1.009	1.011				
12/31/2010	1.093	1.020	1.013	1.003	0.998	1.005					
12/31/2011	1.076	1.032	1.006	1.005	1.005						
12/31/2012	1.080	1.031	1.020	1.007							
12/31/2013	1.100	1.036	1.013								
12/31/2014	1.099	1.037									
12/31/2015	1.107										
3 Yr Mean	1.102	1.035	1.013	1.005	1.003	1.005	1.008	1.006	1.007	1.002	1.000
Best 3/5	1.093	1.033	1.012	1.008	1.005	1.006	1.007	1.005	1.003	1.002	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.001	1.001	0.999	1.001	0.999	1.001	1.000	1.000			
12/31/1998	1.000	0.999	1.001	1.000	1.000	0.999	1.002	1.000 *			
12/31/1999	0.997	1.001	1.000	1.000	1.001	1.001	1.000 *	1.000 *			
12/31/2000	0.996	0.999	0.999	1.001	1.000	1.000 *	1.000 *	1.000 *			
12/31/2001	1.002	1.003	1.002	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.004	1.004	0.999								
12/31/2003	0.999	1.002									
12/31/2004	1.001										
3 Yr Mean	1.001	1.003	1.000	1.000	1.000 @	1.000 @	1.001 @	1.000 @			
Best 3/5	1.001	1.002	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					1.005	1.006	1.007	1.005	1.003	1.002	1.000
12/31/2013				1.008	1.005	1.006	1.007	1.005	1.003	1.002	1.000
12/31/2014			1.012	1.008	1.005	1.006	1.007	1.005	1.003	1.002	1.000
12/31/2015		1.033	1.012	1.008	1.005	1.006	1.007	1.005	1.003	1.002	1.000
12/31/2016	1.093	1.033	1.012	1.008	1.005	1.006	1.007	1.005	1.003	1.002	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.031
12/31/2013	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.040
12/31/2014	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.052
12/31/2015	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.087
12/31/2016	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.188

\* 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>
12/31/1997	22,075,754	25,737,029	26,874,172	28,710,537	29,597,806	30,358,440	31,328,712	31,704,561	31,704,186	31,698,273	31,885,713
12/31/1998	19,290,074	21,552,461	23,024,981	23,641,364	24,516,078	24,676,618	25,285,894	25,317,071	25,280,885	25,301,226	25,406,847
12/31/1999	18,254,210	22,457,572	25,551,750	27,557,785	29,759,689	29,779,732	29,699,604	30,186,183	30,243,330	30,387,552	30,597,612
12/31/2000	20,655,865	24,329,172	26,989,181	29,929,293	30,080,686	30,843,928	30,587,224	30,862,075	31,018,217	31,583,373	31,311,303
12/31/2001	22,335,839	25,397,373	27,401,355	28,396,706	28,672,198	29,588,501	30,192,216	31,079,475	31,354,501	31,319,713	31,318,535
12/31/2002	18,865,664	22,456,512	22,263,652	23,162,985	23,615,480	24,426,921	24,525,775	24,954,457	24,993,567	25,128,946	25,130,639
12/31/2003	20,455,804	21,995,946	23,207,994	24,593,772	25,131,198	26,090,997	26,360,514	26,211,770	26,209,801	26,296,627	26,196,335
12/31/2004	19,985,758	23,873,213	25,591,432	26,367,584	26,715,629	26,693,604	26,718,786	27,234,374	27,334,333	27,693,774	27,901,922
12/31/2005	21,520,474	25,228,828	26,367,301	26,806,727	26,627,137	26,656,059	26,737,945	27,146,263	27,133,658	27,498,854	27,503,837
12/31/2006	25,986,604	27,929,290	28,118,157	28,833,439	28,622,252	28,930,603	29,394,361	29,627,449	29,763,804	29,969,579	30,031,580
12/31/2007	25,120,785	28,656,633	30,684,061	30,944,144	30,333,214	31,107,896	31,504,117	31,462,428	31,571,008	31,748,569	
12/31/2008	28,100,196	30,194,968	31,499,568	31,315,566	32,123,907	31,854,802	31,678,689	31,841,091	32,164,353		
12/31/2009	25,965,342	26,598,588	27,741,003	28,054,878	28,071,233	28,254,603	28,019,923	28,536,289			
12/31/2010	23,836,692	25,189,855	26,336,978	26,798,783	26,681,492	27,268,544	27,327,369				
12/31/2011	23,245,078	25,535,713	26,588,231	26,684,810	26,817,488	26,896,445					
12/31/2012	23,095,334	25,763,783	27,030,529	27,320,040	27,328,843						
12/31/2013	23,083,991	23,936,993	25,200,126	25,176,012							
12/31/2014	27,491,494	30,386,199	30,949,472								
12/31/2015	27,551,311	31,158,207									
12/31/2016	25,903,638										
<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	31,945,444	32,034,587	32,236,231	32,209,351	32,309,351	32,310,499	32,310,499	32,187,524	32,187,524		
12/31/1998	25,460,839	25,336,077	25,436,425	25,436,176	25,429,576	25,436,093	25,396,392	25,396,392			
12/31/1999	30,749,757	30,535,967	30,473,100	30,440,650	30,442,750	30,328,375	30,345,042				
12/31/2000	31,301,130	31,519,278	31,586,614	31,539,691	31,420,600	31,435,268					
12/31/2001	31,322,837	31,592,685	31,477,005	31,367,542	31,381,678						
12/31/2002	25,345,598	25,382,132	25,236,220	25,223,721							
12/31/2003	26,316,624	26,249,865	26,324,443								
12/31/2004	27,774,505	27,862,364									
12/31/2005	27,573,370										

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
12/31/1997	1.166	1.044	1.068	1.031	1.026	1.032	1.012	1.000	1.000	1.006	1.002
12/31/1998	1.117	1.068	1.027	1.037	1.007	1.025	1.001	0.999	1.001	1.004	1.002
12/31/1999	1.230	1.138	1.079	1.080	1.001	0.997	1.016	1.002	1.005	1.007	1.005
12/31/2000	1.178	1.109	1.109	1.005	1.025	0.992	1.009	1.005	1.018	0.991	1.000
12/31/2001	1.137	1.079	1.036	1.010	1.032	1.020	1.029	1.009	0.999	1.000	1.000
12/31/2002	1.190	0.991	1.040	1.020	1.034	1.004	1.017	1.002	1.005	1.000	1.009
12/31/2003	1.075	1.055	1.060	1.022	1.038	1.010	0.994	1.000	1.003	0.996	1.005
12/31/2004	1.195	1.072	1.030	1.013	0.999	1.001	1.019	1.004	1.013	1.008	0.995
12/31/2005	1.172	1.045	1.017	0.993	1.001	1.003	1.015	1.000	1.013	1.000	1.003
12/31/2006	1.075	1.007	1.025	0.993	1.011	1.016	1.008	1.005	1.007	1.002	
12/31/2007	1.141	1.071	1.008	0.980	1.026	1.013	0.999	1.003	1.006		
12/31/2008	1.075	1.043	0.994	1.026	0.992	0.994	1.005	1.010			
12/31/2009	1.024	1.043	1.011	1.001	1.007	0.992	1.018				
12/31/2010	1.057	1.046	1.018	0.996	1.022	1.002					
12/31/2011	1.099	1.041	1.004	1.005	1.003						
12/31/2012	1.116	1.049	1.011	1.000							
12/31/2013	1.037	1.053	0.999								
12/31/2014	1.105	1.019									
12/31/2015	1.131										
3 Yr Mean	1.091	1.040	1.005	1.000	1.011	0.996	1.007	1.006	1.009	1.003	1.001
Best 3/5	1.107	1.045	1.009	1.002	1.011	1.003	1.009	1.004	1.009	1.001	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.003	1.006	0.999	1.003	1.000	1.000	0.996	1.000			
12/31/1998	0.995	1.004	1.000	1.000	1.000	0.998	1.000	1.000 *			
12/31/1999	0.993	0.998	0.999	1.000	0.996	1.001	1.000 *	1.000 *			
12/31/2000	1.007	1.002	0.999	0.996	1.000	1.000 *	1.000 *	1.000 *			
12/31/2001	1.009	0.996	0.997	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.001	0.994	1.000								
12/31/2003	0.997	1.003									
12/31/2004	1.003										
3 Yr Mean	1.000	0.998	0.999	0.999	0.999 @	1.000 @	0.998 @	1.000 @			
Best 3/5	1.004	0.999	0.999	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
				51/ 63								
12/31/2012						1.011	1.003	1.009	1.004	1.009	1.001	1.003
12/31/2013				1.002		1.011	1.003	1.009	1.004	1.009	1.001	1.003
12/31/2014			1.009	1.002		1.011	1.003	1.009	1.004	1.009	1.001	1.003
12/31/2015		1.045	1.009	1.002		1.011	1.003	1.009	1.004	1.009	1.001	1.003
12/31/2016	1.107	1.045	1.009	1.002		1.011	1.003	1.009	1.004	1.009	1.001	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.004	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.043
12/31/2013	1.004	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.045
12/31/2014	1.004	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.054
12/31/2015	1.004	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.102
12/31/2016	1.004	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.220

\* 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>
12/31/1997	6,390,118	10,571,624	17,069,499	24,357,591	28,663,628	31,941,826	35,933,274	38,388,378	39,833,518	42,965,927	43,434,392
12/31/1998	8,042,845	15,161,547	22,585,700	27,499,019	32,976,886	39,868,399	42,779,337	52,737,342	50,392,898	52,313,385	52,936,414
12/31/1999	9,016,452	15,585,362	23,154,817	29,197,222	34,708,874	39,382,069	43,642,357	46,864,237	49,861,403	50,715,445	51,828,859
12/31/2000	9,582,297	15,790,929	23,629,748	33,534,950	42,853,982	51,057,011	57,508,006	61,876,787	64,275,161	65,712,409	66,456,466
12/31/2001	8,687,181	15,478,649	25,769,894	33,670,735	40,257,097	47,297,166	52,308,777	54,451,155	56,539,177	58,046,510	59,336,346
12/31/2002	8,047,492	15,153,483	21,860,920	29,795,589	35,967,987	40,559,414	43,796,176	46,982,608	47,637,231	48,599,533	49,397,712
12/31/2003	8,505,445	13,226,092	20,970,269	28,358,024	31,514,330	34,345,729	35,586,678	36,924,023	38,310,760	39,402,282	40,507,442
12/31/2004	8,909,200	16,475,050	23,812,312	31,760,013	36,503,913	39,093,441	41,163,013	42,611,369	43,784,373	44,696,196	45,507,603
12/31/2005	7,511,201	14,753,553	23,222,098	30,365,283	36,120,242	40,851,241	43,871,937	46,095,706	47,267,835	48,642,512	50,080,690
12/31/2006	7,635,239	14,733,758	22,283,958	29,106,836	35,288,412	39,580,750	41,811,939	43,697,253	45,823,984	46,754,477	48,164,122
12/31/2007	8,875,088	15,945,662	25,536,579	32,842,336	38,353,738	43,745,126	46,444,840	48,460,655	51,678,732	55,287,004	
12/31/2008	10,386,425	19,023,145	26,747,848	35,766,835	39,927,313	44,539,573	46,692,734	48,701,747	50,353,988		
12/31/2009	10,727,323	17,904,266	26,277,022	36,001,067	40,852,984	42,642,890	44,485,262	46,490,517			
12/31/2010	12,012,132	23,607,657	27,916,521	34,750,698	38,956,850	42,627,206	44,617,332				
12/31/2011	10,652,685	18,061,026	28,012,908	35,454,933	38,715,931	41,220,614					
12/31/2012	10,197,226	18,803,872	28,559,887	38,593,700	46,630,292						
12/31/2013	12,645,073	22,344,476	31,874,550	40,211,763							
12/31/2014	10,937,904	19,342,335	28,264,158								
12/31/2015	11,933,231	19,062,872									
12/31/2016	14,486,939										

<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	43,666,000	43,734,514	44,045,928	44,283,088	44,527,824	44,422,807	44,418,567	44,421,776	44,517,688
12/31/1998	53,632,587	53,442,666	53,507,242	53,670,746	53,852,278	53,994,208	54,098,906	54,123,448	
12/31/1999	52,099,032	51,917,713	51,972,425	51,938,085	51,896,052	51,939,005	51,974,791		
12/31/2000	67,479,951	67,935,308	67,749,684	67,707,890	67,812,487	67,962,342			
12/31/2001	60,007,953	59,930,875	59,870,812	60,139,876	60,163,207				
12/31/2002	49,923,006	50,012,727	51,046,591	51,102,398					
12/31/2003	41,541,991	42,258,797	42,610,538						
12/31/2004	45,996,765	46,633,360							
12/31/2005	50,256,964								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	4,181,506	6,497,875	7,288,092	4,306,037	3,278,198	3,991,448	2,455,104	1,445,140	3,132,409	468,465	231,608	68,514	311,414
12/31/1998	7,118,702	7,424,153	4,913,319	5,477,867	6,891,513	2,910,938	9,958,005	-2,344,444	1,920,487	623,029	696,173	-189,921	64,576
12/31/1999	6,568,910	7,569,455	6,042,405	5,511,652	4,673,195	4,260,288	3,221,880	2,997,166	854,042	1,113,414	270,173	-181,319	54,712
12/31/2000	6,208,632	7,838,819	9,905,202	9,319,032	8,203,029	6,450,995	4,368,781	2,398,374	1,437,248	744,057	1,023,485	455,357	-185,624
12/31/2001	6,791,468	10,291,245	7,900,841	6,586,362	7,040,069	5,011,611	2,142,378	2,088,022	1,507,333	1,289,836	671,607	-77,078	-60,063
12/31/2002	7,105,991	6,707,437	7,934,669	6,172,398	4,591,427	3,236,762	3,186,432	654,623	962,302	798,179	525,294	89,721	1,033,864
12/31/2003	4,720,647	7,744,177	7,387,755	3,156,306	2,831,399	1,240,949	1,337,345	1,386,737	1,091,522	1,105,160	1,034,549	716,806	351,741
12/31/2004	7,565,850	7,337,262	7,947,701	4,743,900	2,589,528	2,069,572	1,448,356	1,173,004	911,823	811,407	489,162	636,595	
12/31/2005	7,242,352	8,468,545	7,143,185	5,754,959	4,730,999	3,020,696	2,223,769	1,172,129	1,374,677	1,438,178	176,274		
12/31/2006	7,098,519	7,550,200	6,822,878	6,181,576	4,292,338	2,231,189	1,885,314	2,126,731	930,493	1,409,645			
12/31/2007	7,070,574	9,590,917	7,305,757	5,511,402	5,391,388	2,699,714	2,015,815	3,218,077	3,608,272				
12/31/2008	8,636,720	7,724,703	9,018,987	4,160,478	4,612,260	2,153,161	2,009,013	1,652,241					
12/31/2009	7,176,943	8,372,756	9,724,045	4,851,917	1,789,906	1,842,372	2,005,255						
12/31/2010	11,595,525	4,308,864	6,834,177	4,206,152	3,670,356	1,990,126							
12/31/2011	7,408,341	9,951,882	7,442,025	3,260,998	2,504,683								
12/31/2012	8,606,646	9,756,015	10,033,813	8,036,592									
12/31/2013	9,699,403	9,530,074	8,337,213										
12/31/2014	8,404,431	8,921,823											
12/31/2015	7,129,641												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	0.0297	0.0461	0.0517	0.0306	0.0233	0.0283	0.0174	0.0103	0.0222	0.0033	0.0016	0.0005	0.0022
12/31/1998	0.0452	0.0471	0.0312	0.0348	0.0437	0.0185	0.0632	-0.0149	0.0122	0.0040	0.0044	-0.0012	0.0004
12/31/1999	0.0371	0.0427	0.0341	0.0311	0.0264	0.0240	0.0182	0.0169	0.0048	0.0063	0.0015	-0.0010	0.0003
12/31/2000	0.0311	0.0393	0.0497	0.0468	0.0412	0.0324	0.0219	0.0120	0.0072	0.0037	0.0051	0.0023	-0.0009
12/31/2001	0.0362	0.0549	0.0421	0.0351	0.0375	0.0267	0.0114	0.0111	0.0080	0.0069	0.0036	-0.0004	-0.0003
12/31/2002	0.0454	0.0429	0.0507	0.0395	0.0293	0.0207	0.0204	0.0042	0.0062	0.0051	0.0034	0.0006	0.0066
12/31/2003	0.0330	0.0541	0.0516	0.0221	0.0198	0.0087	0.0093	0.0097	0.0076	0.0077	0.0072	0.0050	0.0025
12/31/2004	0.0456	0.0443	0.0479	0.0286	0.0156	0.0125	0.0087	0.0071	0.0055	0.0049	0.0030	0.0038	
12/31/2005	0.0439	0.0513	0.0433	0.0349	0.0287	0.0183	0.0135	0.0071	0.0083	0.0087	0.0011		
12/31/2006	0.0420	0.0447	0.0404	0.0366	0.0254	0.0132	0.0112	0.0126	0.0055	0.0083			
12/31/2007	0.0384	0.0521	0.0397	0.0299	0.0293	0.0147	0.0109	0.0175	0.0196				
12/31/2008	0.0433	0.0387	0.0452	0.0209	0.0231	0.0108	0.0101	0.0083					
12/31/2009	0.0382	0.0445	0.0517	0.0258	0.0095	0.0098	0.0107						
12/31/2010	0.0589	0.0219	0.0347	0.0214	0.0186	0.0101							
12/31/2011	0.0352	0.0473	0.0353	0.0155	0.0119								
12/31/2012	0.0424	0.0481	0.0494	0.0396									
12/31/2013	0.0503	0.0495	0.0433										
12/31/2014	0.0404	0.0429											
12/31/2015	0.0345												

Best 3/5	0.0393	0.0461	0.0427	0.0227	0.0179	0.0114	0.0109	0.0093	0.0072	0.0071	0.0033	0.0022	0.0008
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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>
12/31/1997	9,593,179	13,767,986	15,075,089	14,637,649	14,959,104	15,260,793	15,081,448	15,036,988	15,289,219	15,533,686	15,366,522
12/31/1998	8,636,212	11,874,482	14,768,664	13,980,642	15,188,532	14,882,217	14,901,367	15,140,800	15,460,257	15,251,055	15,399,003
12/31/1999	9,794,669	13,942,100	14,684,266	15,919,956	16,002,568	16,463,538	16,137,365	16,507,259	16,476,391	16,204,369	16,240,664
12/31/2000	9,763,820	12,479,700	16,636,916	17,065,706	17,574,158	17,904,830	18,187,880	18,101,314	18,175,467	17,780,954	18,121,078
12/31/2001	9,691,927	13,785,856	15,225,170	15,189,474	15,186,211	15,996,842	16,021,292	15,608,073	15,790,332	15,884,043	15,614,772
12/31/2002	10,626,670	12,473,161	13,485,718	14,834,126	14,468,871	14,318,087	14,168,147	13,988,646	14,066,002	13,818,684	13,675,979
12/31/2003	8,151,648	9,069,854	12,087,204	13,181,582	13,811,486	12,189,019	11,745,092	11,877,242	11,699,028	11,753,895	11,761,855
12/31/2004	11,883,624	18,418,558	19,327,722	20,859,944	19,909,844	19,527,199	18,789,584	18,813,787	18,822,003	18,683,838	18,523,961
12/31/2005	13,058,317	16,178,856	18,356,038	17,889,513	16,452,840	16,371,844	16,575,306	16,563,678	16,485,848	16,243,830	16,257,139
12/31/2006	13,230,136	16,149,105	16,738,689	17,341,632	16,813,570	16,349,652	16,324,207	16,444,326	16,474,551	16,494,693	16,505,528
12/31/2007	11,908,839	15,008,801	15,269,072	15,117,117	14,505,010	14,401,112	14,244,554	14,002,364	13,793,481	13,793,656	
12/31/2008	9,854,688	11,122,311	12,393,326	12,481,627	11,920,363	12,142,139	11,607,310	11,341,211	11,336,762		
12/31/2009	9,625,919	11,621,437	11,827,367	11,813,198	12,086,839	11,475,787	11,480,716	11,319,384			
12/31/2010	8,431,719	10,105,501	10,401,930	10,410,090	9,719,672	9,989,687	9,984,922				
12/31/2011	7,724,118	9,517,551	9,673,230	9,511,938	10,253,139	10,191,190					
12/31/2012	6,305,161	8,122,215	8,455,376	9,124,783	9,086,950						
12/31/2013	6,149,211	7,893,211	8,777,279	9,489,042							
12/31/2014	7,206,214	9,580,526	10,510,311								
12/31/2015	7,803,116	9,897,950									
12/31/2016	6,822,868										
<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	15,314,473	15,183,802	15,294,051	15,344,052	15,242,177	15,276,968	15,249,821	15,231,833	15,221,771		
12/31/1998	15,481,584	15,543,583	15,544,447	15,436,947	15,433,974	15,411,447	15,393,459	15,383,396			
12/31/1999	16,236,098	16,269,095	16,163,875	16,160,554	16,237,354	16,159,614	16,159,614				
12/31/2000	18,085,044	17,948,431	18,000,192	18,025,191	18,065,196	18,038,361					
12/31/2001	15,908,619	16,013,944	15,905,963	15,805,963	15,805,939						
12/31/2002	13,780,629	13,709,450	13,745,166	13,697,771							
12/31/2003	11,552,344	11,647,344	11,658,576								
12/31/2004	18,695,511	18,590,511									
12/31/2005	16,063,908										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.435	1.095	0.971	1.022	1.020	0.988	0.997	1.017	1.016	0.989	0.997
12/31/1998	1.375	1.244	0.947	1.086	0.980	1.001	1.016	1.021	0.986	1.010	1.005
12/31/1999	1.423	1.053	1.084	1.005	1.029	0.980	1.023	0.998	0.983	1.002	1.000
12/31/2000	1.278	1.333	1.026	1.030	1.019	1.016	0.995	1.004	0.978	1.019	0.998
12/31/2001	1.422	1.104	0.998	1.000	1.053	1.002	0.974	1.012	1.006	0.983	1.019
12/31/2002	1.174	1.081	1.100	0.975	0.990	0.990	0.987	1.006	0.982	0.990	1.008
12/31/2003	1.113	1.333	1.091	1.048	0.883	0.964	1.011	0.985	1.005	1.001	0.982
12/31/2004	1.550	1.049	1.079	0.954	0.981	0.962	1.001	1.000	0.993	0.991	1.009
12/31/2005	1.239	1.135	0.975	0.920	0.995	1.012	0.999	0.995	0.985	1.001	0.988
12/31/2006	1.221	1.037	1.036	0.970	0.972	0.998	1.007	1.002	1.001	1.001	
12/31/2007	1.260	1.017	0.990	0.960	0.993	0.989	0.983	0.985	1.000		
12/31/2008	1.129	1.114	1.007	0.955	1.019	0.956	0.977	1.000			
12/31/2009	1.207	1.018	0.999	1.023	0.949	1.000	0.986				
12/31/2010	1.199	1.029	1.001	0.934	1.028	1.000					
12/31/2011	1.232	1.016	0.983	1.078	0.994						
12/31/2012	1.288	1.041	1.079	0.996							
12/31/2013	1.284	1.112	1.081								
12/31/2014	1.329	1.097									
12/31/2015	1.268										
3 Yr Mean	1.294	1.083	1.048	1.003	0.990	0.985	0.982	0.996	0.995	0.998	0.993
Best 3/5	1.280	1.056	1.026	0.991	1.002	0.996	0.989	0.998	0.998	0.998	1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.991	1.007	1.003	0.993	1.002	0.998	0.999	0.999			
12/31/1998	1.004	1.000	0.993	1.000	0.999	0.999	0.999	1.000 *			
12/31/1999	1.002	0.994	1.000	1.005	0.995	1.000	1.000 *	1.000 *			
12/31/2000	0.992	1.003	1.001	1.002	0.999	1.000 *	1.000 *	1.000 *			
12/31/2001	1.007	0.993	0.994	1.000	1.001 *	1.000 *	1.000 *	1.000 *			
12/31/2002	0.995	1.003	0.997								
12/31/2003	1.008	1.001									
12/31/2004	0.994										
3 Yr Mean	0.999	0.999	0.997	1.002	0.998 @	0.999 @	0.999 @	0.999 @			
Best 3/5	0.999	0.999	0.997	1.001	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.002	0.996	0.989	0.998	0.998	0.998	1.002
12/31/2013				0.991	1.002	0.996	0.989	0.998	0.998	0.998	1.002
12/31/2014			1.026	0.991	1.002	0.996	0.998	0.998	0.998	0.998	1.002
12/31/2015		1.056	1.026	0.991	1.002	0.996	0.989	0.998	0.998	0.998	1.002
12/31/2016	1.280	1.056	1.026	0.991	1.002	0.996	0.989	0.998	0.998	0.998	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	0.999	0.999	0.997	1.001	1.000	1.000	1.000	1.000	1.000*	0.979
12/31/2013	0.999	0.999	0.997	1.001	1.000	1.000	1.000	1.000	1.000*	0.970
12/31/2014	0.999	0.999	0.997	1.001	1.000	1.000	1.000	1.000	1.000*	0.996
12/31/2015	0.999	0.999	0.997	1.001	1.000	1.000	1.000	1.000	1.000*	1.051
12/31/2016	0.999	0.999	0.997	1.001	1.000	1.000	1.000	1.000	1.000*	1.346

\* 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>
12/31/1997	1,785,869	7,115,075	11,473,792	14,054,496	19,904,055	28,419,709	31,453,929	31,578,393	32,009,141	33,220,012	33,556,268
12/31/1998	2,048,544	9,446,433	16,790,829	20,440,191	23,320,845	24,408,671	26,107,263	26,729,114	28,152,514	28,338,071	29,402,422
12/31/1999	2,622,574	6,389,012	11,383,013	15,812,759	17,388,575	22,987,542	23,403,704	24,926,535	25,389,831	27,429,200	28,009,716
12/31/2000	2,091,363	4,912,614	10,635,937	12,972,495	14,568,204	15,055,843	15,323,887	15,992,539	16,488,486	16,821,125	16,951,137
12/31/2001	1,596,768	5,452,132	9,801,321	11,925,409	12,886,811	14,250,331	14,892,187	15,307,928	15,870,398	16,253,720	16,135,326
12/31/2002	1,691,993	5,025,697	7,086,267	9,684,678	12,330,451	12,441,348	12,753,488	13,017,242	13,061,760	13,108,116	13,138,762
12/31/2003	2,426,276	4,096,124	7,122,993	9,161,552	10,963,877	11,800,204	12,257,447	12,645,610	13,033,507	13,151,565	13,206,862
12/31/2004	1,366,538	4,925,868	10,809,857	16,072,760	23,183,278	25,275,676	21,379,863	21,169,922	21,484,894	22,822,635	22,847,438
12/31/2005	2,031,963	5,176,838	9,578,853	12,901,075	17,329,209	18,114,391	18,256,187	18,602,338	20,073,269	20,319,001	20,411,843
12/31/2006	1,796,666	6,064,308	9,948,084	12,174,161	13,510,796	15,674,799	16,740,293	17,424,987	17,613,839	17,712,010	17,870,208
12/31/2007	1,727,514	4,876,842	9,650,965	11,591,740	12,470,138	13,120,063	13,534,968	13,550,979	13,452,992	13,428,131	
12/31/2008	1,361,087	5,667,962	8,464,223	11,340,359	13,019,432	14,626,923	15,963,504	16,602,952	17,031,997		
12/31/2009	1,768,627	6,002,328	11,613,250	15,120,587	17,370,647	18,025,183	18,285,215	19,048,090			
12/31/2010	1,568,228	4,668,929	7,284,124	10,131,258	11,400,133	12,739,544	13,435,213				
12/31/2011	1,136,941	3,840,720	10,920,837	13,832,049	17,098,962	18,395,923					
12/31/2012	1,537,333	4,690,656	11,605,811	14,289,967	15,010,825						
12/31/2013	2,590,924	4,887,500	7,275,971	9,632,214							
12/31/2014	2,800,097	8,293,104	12,342,110								
12/31/2015	1,082,238	4,889,358									
12/31/2016	1,754,438										

<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	33,623,179	33,633,651	33,757,164	33,815,684	33,815,823	33,826,132	33,827,404	33,827,404	33,829,109
12/31/1998	29,789,323	29,497,139	29,584,459	29,578,574	29,578,574	29,578,574	29,578,574	29,580,279	
12/31/1999	28,374,522	28,424,032	28,439,119	28,442,441	28,444,046	28,447,816	28,447,816		
12/31/2000	17,207,993	17,349,211	17,374,535	17,403,667	18,315,136	18,213,130			
12/31/2001	16,632,735	17,666,480	16,739,791	16,674,401	16,687,622				
12/31/2002	13,229,334	13,284,286	13,354,923	13,368,720					
12/31/2003	13,375,332	13,380,057	13,393,825						
12/31/2004	22,658,229	23,256,199							
12/31/2005	20,439,744								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	5,329,206	4,358,717	2,580,704	5,849,559	8,515,654	3,034,220	124,464	430,748	1,210,871	336,256	66,911	10,472	123,513
12/31/1998	7,397,889	7,344,396	3,649,362	2,880,654	1,087,826	1,698,592	621,851	1,423,400	185,557	1,064,351	386,901	-292,184	87,320
12/31/1999	3,766,438	4,994,001	4,429,746	1,575,816	5,598,967	416,162	1,522,831	463,296	2,039,369	580,516	364,806	49,510	15,087
12/31/2000	2,821,251	5,723,323	2,336,558	1,595,709	487,639	268,044	668,652	495,947	332,639	130,012	256,856	141,218	25,324
12/31/2001	3,855,364	4,349,189	2,124,088	961,402	1,363,520	641,856	415,741	562,470	383,322	-118,394	497,409	1,033,745	-926,689
12/31/2002	3,333,704	2,060,570	2,598,411	2,645,773	110,897	312,140	263,754	44,518	46,356	30,646	90,572	54,952	70,637
12/31/2003	1,669,848	3,026,869	2,038,559	1,802,325	836,327	457,243	388,163	387,897	118,058	55,297	168,470	4,725	13,768
12/31/2004	3,559,330	5,883,989	5,262,903	7,110,518	2,092,398	-3,895,813	-209,941	314,972	1,337,741	24,803	-189,209	597,970	
12/31/2005	3,144,875	4,402,015	3,322,222	4,428,134	785,182	141,796	346,151	1,470,931	245,732	92,842	27,901		
12/31/2006	4,267,642	3,883,776	2,226,077	1,336,635	2,164,003	1,065,494	684,694	188,852	98,171	158,198			
12/31/2007	3,149,328	4,774,123	1,940,775	878,398	649,925	414,905	16,011	-97,987	-24,861				
12/31/2008	4,306,875	2,796,261	2,876,136	1,679,073	1,607,491	1,336,581	639,448	429,045					
12/31/2009	4,233,701	5,610,922	3,507,337	2,250,060	654,536	260,032	762,875						
12/31/2010	3,100,701	2,615,195	2,847,134	1,268,875	1,339,411	695,669							
12/31/2011	2,703,779	7,080,117	2,911,212	3,266,913	1,296,961								
12/31/2012	3,153,323	6,915,155	2,684,156	720,858									
12/31/2013	2,296,576	2,388,471	2,356,243										
12/31/2014	5,493,007	4,049,006											
12/31/2015	3,807,120												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	0.2231	0.1825	0.1081	0.2449	0.3566	0.1270	0.0052	0.0180	0.0507	0.0141	0.0028	0.0004	0.0052
12/31/1998	0.2783	0.2763	0.1373	0.1084	0.0409	0.0639	0.0234	0.0535	0.0070	0.0400	0.0146	-0.0110	0.0033
12/31/1999	0.1380	0.1830	0.1623	0.0577	0.2052	0.0153	0.0558	0.0170	0.0747	0.0213	0.0134	0.0018	0.0006
12/31/2000	0.0999	0.2026	0.0827	0.0565	0.0173	0.0095	0.0237	0.0176	0.0118	0.0046	0.0091	0.0050	0.0009
12/31/2001	0.1567	0.1768	0.0863	0.0391	0.0554	0.0261	0.0169	0.0229	0.0156	-0.0048	0.0202	0.0420	-0.0377
12/31/2002	0.1557	0.0962	0.1213	0.1236	0.0052	0.0146	0.0123	0.0021	0.0022	0.0014	0.0042	0.0026	0.0033
12/31/2003	0.0905	0.1640	0.1105	0.0977	0.0453	0.0248	0.0210	0.0210	0.0064	0.0030	0.0091	0.0003	0.0007
12/31/2004	0.1293	0.2138	0.1912	0.2584	0.0760	-0.1416	-0.0076	0.0114	0.0486	0.0009	-0.0069	0.0217	
12/31/2005	0.1173	0.1642	0.1239	0.1652	0.0293	0.0053	0.0129	0.0549	0.0092	0.0035	0.0010		
12/31/2006	0.1493	0.1359	0.0779	0.0468	0.0757	0.0373	0.0240	0.0066	0.0034	0.0055			
12/31/2007	0.1539	0.2332	0.0948	0.0429	0.0318	0.0203	0.0008	-0.0048	-0.0012				
12/31/2008	0.2320	0.1507	0.1550	0.0905	0.0866	0.0720	0.0345	0.0231					
12/31/2009	0.2703	0.3582	0.2239	0.1436	0.0418	0.0166	0.0487						
12/31/2010	0.2004	0.1691	0.1841	0.0820	0.0866	0.0450							
12/31/2011	0.1746	0.4572	0.1880	0.2109	0.0837								
12/31/2012	0.2234	0.4900	0.1902	0.0511									
12/31/2013	0.1780	0.1852	0.1827										
12/31/2014	0.3080	0.2270											
12/31/2015	0.2039												

Best 3/5      0.2018      0.2898      0.1874      0.1054      0.0707      0.0342      0.0238      0.0137      0.0063      0.0026      0.0048      0.0098      0.0007

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>
12/31/1997	262,363,560	340,677,435	377,301,157	390,015,110	391,253,178	381,306,369	380,913,708	379,322,317	378,874,429	377,974,524	378,030,651
12/31/1998	249,811,427	323,560,069	370,196,235	386,319,522	377,238,863	378,336,921	374,788,419	373,944,770	372,285,557	372,143,882	372,490,112
12/31/1999	269,888,935	362,074,516	421,660,509	420,493,653	421,213,804	417,169,750	413,497,534	409,593,574	409,273,182	409,697,878	410,238,353
12/31/2000	261,906,093	356,258,363	399,207,856	414,584,566	411,378,350	406,303,663	400,774,707	399,004,645	398,837,416	398,333,676	397,921,162
12/31/2001	255,029,805	324,967,965	369,059,728	386,581,383	385,656,730	379,261,694	376,388,694	373,159,006	372,797,657	372,267,025	372,744,627
12/31/2002	236,505,134	302,544,294	356,433,303	374,695,500	368,692,375	363,853,625	360,271,132	359,602,277	358,649,148	359,029,239	358,754,319
12/31/2003	248,704,371	333,960,939	385,485,012	382,965,837	373,361,797	369,595,335	364,398,660	362,914,574	361,901,909	362,193,319	362,173,223
12/31/2004	274,403,007	361,492,595	382,982,396	391,005,309	390,321,183	384,756,770	382,748,323	381,916,034	381,317,551	380,848,028	381,159,382
12/31/2005	295,347,887	346,114,385	392,348,238	406,165,182	396,303,753	392,538,208	389,141,589	387,599,453	386,898,164	386,788,348	386,523,172
12/31/2006	272,587,108	344,486,647	385,030,319	391,624,738	384,993,469	378,708,656	376,274,033	373,905,290	373,497,559	373,007,882	372,654,539
12/31/2007	321,587,793	399,660,449	446,300,872	454,582,325	445,323,719	439,842,659	436,005,831	435,247,639	434,555,370	434,125,194	
12/31/2008	307,821,467	394,641,184	438,019,128	438,376,439	430,308,145	424,550,185	421,689,469	419,142,017	418,630,137		
12/31/2009	335,686,357	432,186,607	475,844,132	479,827,773	472,399,955	469,277,560	464,676,483	462,487,094			
12/31/2010	366,957,251	461,499,687	509,894,199	515,320,813	506,746,877	503,768,685	501,354,995				
12/31/2011	364,292,784	472,407,757	523,903,619	528,837,736	521,191,743	516,533,665					
12/31/2012	308,257,648	402,157,591	439,716,351	444,728,004	442,401,734						
12/31/2013	333,585,375	422,980,637	469,231,691	485,166,001							
12/31/2014	340,491,457	441,376,381	513,722,123								
12/31/2015	336,859,238	452,574,242									
12/31/2016	313,607,795										

<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	378,434,122	378,074,869	378,127,391	378,222,198	378,288,751	378,442,176	378,174,029	378,472,998	378,470,686
12/31/1998	372,091,520	372,430,843	372,131,468	372,171,092	372,374,371	372,445,821	372,481,770	372,622,278	
12/31/1999	410,329,939	411,892,618	412,059,979	412,385,960	411,305,450	410,297,590	410,474,775		
12/31/2000	397,878,077	397,769,332	398,047,611	398,277,451	398,294,541	398,375,563			
12/31/2001	372,996,163	372,892,314	373,434,190	373,737,192	373,768,981				
12/31/2002	358,301,030	358,778,601	358,781,035	359,060,192					
12/31/2003	361,916,672	361,720,722	361,413,760						
12/31/2004	381,459,772	381,326,825							
12/31/2005	386,681,502								

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.298	1.108	1.034	1.003	0.975	0.999	0.996	0.999	0.998	1.000	1.001
12/31/1998	1.295	1.144	1.044	0.976	1.003	0.991	0.998	0.996	1.000	1.001	0.999
12/31/1999	1.342	1.165	0.997	1.002	0.990	0.991	0.991	0.999	1.001	1.001	1.000
12/31/2000	1.360	1.121	1.039	0.992	0.988	0.986	0.996	1.000	0.999	0.999	1.000
12/31/2001	1.274	1.136	1.047	0.998	0.983	0.992	0.991	0.999	0.999	1.001	1.001
12/31/2002	1.279	1.178	1.051	0.984	0.987	0.990	0.998	0.997	1.001	0.999	0.999
12/31/2003	1.343	1.154	0.993	0.975	0.990	0.986	0.996	0.997	1.001	1.000	0.999
12/31/2004	1.317	1.059	1.021	0.998	0.986	0.995	0.998	0.998	0.999	1.001	1.001
12/31/2005	1.172	1.134	1.035	0.976	0.990	0.991	0.996	0.998	1.000	0.999	1.000
12/31/2006	1.264	1.118	1.017	0.983	0.984	0.994	0.994	0.999	0.999	0.999	
12/31/2007	1.243	1.117	1.019	0.980	0.988	0.991	0.998	0.998	0.999		
12/31/2008	1.282	1.110	1.001	0.982	0.987	0.993	0.994	0.999			
12/31/2009	1.287	1.101	1.008	0.985	0.993	0.990	0.995				
12/31/2010	1.258	1.105	1.011	0.983	0.994	0.995					
12/31/2011	1.297	1.109	1.009	0.986	0.991						
12/31/2012	1.305	1.093	1.011	0.995							
12/31/2013	1.268	1.109	1.034								
12/31/2014	1.296	1.164									
12/31/2015	1.344										
3 Yr Mean	1.303	1.122	1.018	0.988	0.993	0.993	0.996	0.999	0.999	1.000	1.000
Best 3/5	1.299	1.108	1.010	0.985	0.991	0.993	0.995	0.998	0.999	0.999	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.999	1.000	1.000	1.000	1.000	0.999	1.001	1.000			
12/31/1998	1.001	0.999	1.000	1.001	1.000	1.000	1.000	1.000 *			
12/31/1999	1.004	1.000	1.001	0.997	0.998	1.000	1.000 *	1.000 *			
12/31/2000	1.000	1.001	1.001	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2001	1.000	1.001	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.001	1.000	1.001								
12/31/2003	0.999	0.999									
12/31/2004	1.000										
3 Yr Mean	1.000	1.000	1.001	0.999	0.999 @	1.000 @	1.001 @	1.000 @			
Best 3/5	1.000	1.000	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					0.991	0.993	0.995	0.998	0.999	0.999	1.000
12/31/2013				0.985	0.991	0.993	0.995	0.998	0.999	0.999	1.000
12/31/2014			1.010	0.985	0.991	0.993	0.995	0.998	0.999	0.999	1.000
12/31/2015		1.108	1.010	0.985	0.991	0.993	0.995	0.998	0.999	0.999	1.000
12/31/2016	1.299	1.108	1.010	0.985	0.991	0.993	0.995	0.998	0.999	0.999	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.976
12/31/2013	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.962
12/31/2014	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.971
12/31/2015	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.076
12/31/2016	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.398

\* 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>
12/31/1997	11,641,170	15,540,175	16,340,829	16,788,986	17,177,119	17,495,458	17,285,030	17,340,600	17,209,793	17,293,016	17,315,557
12/31/1998	10,312,365	13,391,629	16,573,878	16,987,250	17,082,144	16,865,060	16,677,041	16,613,842	16,645,288	16,445,281	16,540,581
12/31/1999	8,797,578	12,616,078	15,608,438	15,891,034	15,417,538	15,291,892	15,261,932	15,697,015	15,362,103	15,350,349	15,306,600
12/31/2000	11,081,094	18,043,204	20,383,016	20,495,750	19,684,065	19,590,660	19,785,084	19,612,118	19,619,652	19,477,840	19,452,018
12/31/2001	13,369,023	18,755,499	21,620,905	20,337,889	20,175,949	20,396,661	20,321,938	20,595,121	20,474,812	20,666,814	20,634,689
12/31/2002	14,139,707	18,654,490	19,125,871	20,038,798	21,683,726	20,966,570	20,856,609	20,889,012	20,692,507	20,659,007	20,709,007
12/31/2003	13,868,081	20,213,621	18,389,644	21,535,795	22,548,574	21,509,083	21,040,038	20,808,857	20,887,034	20,901,157	20,977,567
12/31/2004	16,651,862	19,040,397	24,648,976	25,377,487	22,872,351	21,990,214	21,736,695	21,632,348	21,582,723	21,619,199	21,664,048
12/31/2005	14,354,443	18,910,464	21,020,127	19,194,256	18,893,791	18,342,373	18,221,566	18,459,103	18,291,053	18,227,440	18,323,895
12/31/2006	14,073,381	18,866,914	22,272,395	22,820,365	21,214,980	21,197,929	20,955,581	20,853,138	20,931,444	20,919,344	20,919,347
12/31/2007	15,111,138	18,144,948	20,472,042	20,557,043	19,958,642	19,442,224	19,282,688	19,464,251	19,393,685	19,285,752	
12/31/2008	15,804,841	19,471,770	20,823,271	20,501,801	20,801,571	20,120,168	20,172,130	20,129,375	19,954,385		
12/31/2009	13,146,529	15,832,159	18,138,679	18,542,238	17,992,956	18,199,795	18,201,898	18,158,900			
12/31/2010	12,213,669	14,461,797	17,113,786	17,202,315	16,850,283	16,520,694	16,305,100				
12/31/2011	12,158,819	16,561,437	18,657,023	19,904,537	19,599,184	19,611,963					
12/31/2012	10,490,761	14,496,297	15,414,573	15,542,931	15,127,294						
12/31/2013	13,900,545	16,986,501	19,609,663	20,959,132							
12/31/2014	12,917,817	18,353,633	21,485,401								
12/31/2015	18,235,626	25,817,277									
12/31/2016	16,315,483										
<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	17,252,044	17,218,101	17,222,601	17,227,300	17,227,300	17,227,300	17,227,300	17,227,300	17,227,300	17,227,300	
12/31/1998	16,540,581	16,527,939	16,512,940	16,512,940	16,610,940	16,610,940	16,610,940	16,610,940	16,610,940		
12/31/1999	15,305,501	15,305,501	15,355,751	15,505,751	15,500,751	15,500,751	15,500,751	15,500,751			
12/31/2000	19,452,017	19,454,267	19,559,267	19,559,267	19,559,267	19,559,267					
12/31/2001	20,735,688	20,734,687	20,778,574	20,793,798	20,795,397						
12/31/2002	20,707,870	20,683,921	20,889,224	20,839,302							
12/31/2003	21,005,199	21,021,006	21,071,006								
12/31/2004	21,649,198	21,649,198									
12/31/2005	18,323,860										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.335	1.052	1.027	1.023	1.019	0.988	1.003	0.992	1.005	1.001	0.996
12/31/1998	1.299	1.238	1.025	1.006	0.987	0.989	0.996	1.002	0.988	1.006	1.000
12/31/1999	1.434	1.237	1.018	0.970	0.992	0.998	1.029	0.979	0.999	0.997	1.000
12/31/2000	1.628	1.130	1.006	0.960	0.995	1.010	0.991	1.000	0.993	0.999	1.000
12/31/2001	1.403	1.153	0.941	0.992	1.011	0.996	1.013	0.994	1.009	0.998	1.005
12/31/2002	1.319	1.025	1.048	1.082	0.967	0.995	1.002	0.991	0.998	1.002	1.000
12/31/2003	1.458	0.910	1.171	1.047	0.954	0.978	0.989	1.004	1.001	1.004	1.001
12/31/2004	1.143	1.295	1.030	0.901	0.961	0.988	0.995	0.998	1.002	1.002	0.999
12/31/2005	1.317	1.112	0.913	0.984	0.971	0.993	1.013	0.991	0.997	1.005	1.000
12/31/2006	1.341	1.181	1.025	0.930	0.999	0.989	0.995	1.004	0.999	1.000	
12/31/2007	1.201	1.128	1.004	0.971	0.974	0.992	1.009	0.996	0.994		
12/31/2008	1.232	1.069	0.985	1.015	0.967	1.003	0.998	0.991			
12/31/2009	1.204	1.146	1.022	0.970	1.011	1.000	0.998				
12/31/2010	1.184	1.183	1.005	0.980	0.980	0.987					
12/31/2011	1.362	1.127	1.067	0.985	1.001						
12/31/2012	1.382	1.063	1.008	0.973							
12/31/2013	1.222	1.154	1.069								
12/31/2014	1.421	1.171									
12/31/2015	1.416										
3 Yr Mean	1.353	1.129	1.048	0.979	0.997	0.997	1.002	0.997	0.997	1.002	1.000
Best 3/5	1.387	1.151	1.032	0.979	0.985	0.994	1.002	0.995	0.999	1.003	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1998	0.999	0.999	1.000	1.006	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.003	1.010	1.000	1.000	1.000	1.000	1.000	*	*	*
12/31/2000	1.000	1.005	1.000	1.000	1.000	1.000	1.000	1.000	*	*	*
12/31/2001	1.000	1.002	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2002	0.999	1.010	0.998								
12/31/2003	1.001	1.002									
12/31/2004	1.000										
3 Yr Mean	1.000	1.005	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.003	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					0.985	0.994	1.002	0.995	0.999	1.003	1.000
12/31/2013				0.979	0.985	0.994	1.002	0.995	0.999	1.003	1.000
12/31/2014			1.032	0.979	0.985	0.994	1.002	0.995	0.999	1.003	1.000
12/31/2015		1.151	1.032	0.979	0.985	0.994	1.002	0.995	0.999	1.003	1.000
12/31/2016	1.387	1.151	1.032	0.979	0.985	0.994	1.002	0.995	0.999	1.003	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.981
12/31/2013	1.000	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.960
12/31/2014	1.000	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.991
12/31/2015	1.000	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.141
12/31/2016	1.000	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.582

\* 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>
12/31/1997	36,671,670	59,293,727	84,863,258	97,945,867	108,770,144	109,316,703	111,680,611	112,182,813	113,704,014	114,546,122	115,073,287
12/31/1998	33,464,505	59,717,523	87,885,371	112,088,965	110,689,567	116,743,309	118,242,996	120,406,178	122,085,946	123,807,394	125,988,541
12/31/1999	36,564,547	68,427,457	103,202,454	118,811,711	132,828,838	138,608,427	141,366,783	147,157,707	148,502,782	151,563,676	152,548,868
12/31/2000	35,000,342	68,464,227	103,149,380	125,526,708	136,295,429	143,027,828	147,015,474	150,150,861	151,338,819	151,293,056	153,359,096
12/31/2001	35,430,111	65,181,924	97,627,287	126,167,557	141,150,433	150,897,461	155,964,273	158,671,932	161,754,090	163,994,733	164,853,654
12/31/2002	35,724,736	66,446,551	103,853,180	131,740,664	148,629,352	154,786,096	158,132,450	160,370,916	159,952,869	161,310,398	161,613,746
12/31/2003	36,765,871	71,237,675	110,510,338	138,568,767	154,047,344	158,886,643	160,591,619	163,034,920	164,441,612	165,152,217	165,963,688
12/31/2004	35,020,626	73,055,268	112,571,006	143,852,377	156,730,594	161,425,788	164,192,862	165,695,086	167,901,985	168,390,329	169,229,121
12/31/2005	30,997,658	70,474,147	116,206,903	146,456,156	159,375,159	166,011,533	169,328,221	171,381,278	173,032,566	174,217,953	174,843,713
12/31/2006	32,949,282	71,615,962	118,431,380	147,828,594	164,849,725	170,749,250	173,766,605	174,166,875	175,907,544	179,078,438	179,699,097
12/31/2007	34,527,975	76,944,142	132,145,641	169,940,314	186,148,355	191,282,235	194,034,352	195,143,641	197,419,054	197,256,011	
12/31/2008	30,717,756	79,233,822	132,761,957	175,651,126	194,691,019	200,640,461	204,438,964	206,064,932	207,512,889		
12/31/2009	40,377,503	90,555,023	150,150,839	190,087,482	207,987,450	218,042,724	224,051,952	228,154,449			
12/31/2010	45,157,416	103,098,618	164,267,446	204,921,044	226,058,579	234,573,165	238,948,867				
12/31/2011	49,859,004	107,414,219	173,954,649	216,930,152	236,581,176	245,187,010					
12/31/2012	42,686,938	95,508,764	156,005,009	198,148,915	221,828,650						
12/31/2013	51,472,313	110,111,310	173,217,038	228,315,489							
12/31/2014	53,725,716	117,900,175	191,583,692								
12/31/2015	54,983,741	120,316,603									
12/31/2016	50,913,397										

<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	116,260,232	116,474,615	117,179,492	118,125,220	118,777,128	118,912,175	119,202,742	119,368,359	119,490,527
12/31/1998	125,340,263	125,860,366	125,975,197	126,282,586	126,696,873	127,063,287	127,377,935	127,604,592	
12/31/1999	153,674,833	154,939,660	155,558,573	156,463,863	157,066,295	156,681,735	156,928,708		
12/31/2000	155,634,588	154,706,685	155,829,625	156,434,214	156,976,107	157,092,098			
12/31/2001	165,293,463	166,829,691	169,436,702	170,535,642	170,561,907				
12/31/2002	161,788,255	162,420,706	162,711,860	162,910,631					
12/31/2003	167,019,450	167,639,923	167,518,538						
12/31/2004	169,996,284	170,831,224							
12/31/2005	176,389,719								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	22,622,057	25,569,531	13,082,609	10,824,277	546,559	2,363,908	502,202	1,521,201	842,108	527,165	1,186,945	214,383	704,877
12/31/1998	26,253,018	28,167,848	24,203,594	-1,399,398	6,053,742	1,499,687	2,163,182	1,679,768	1,721,448	2,181,147	-648,278	520,103	114,831
12/31/1999	31,862,910	34,774,997	15,609,257	14,017,127	5,779,589	2,758,356	5,790,924	1,345,075	3,060,894	985,192	1,125,965	1,264,827	618,913
12/31/2000	33,463,885	34,685,153	22,377,328	10,768,721	6,732,399	3,987,646	3,135,387	1,187,958	-45,763	2,066,040	2,275,492	-927,903	1,122,940
12/31/2001	29,751,813	32,445,363	28,540,270	14,982,876	9,747,028	5,066,812	2,707,659	3,082,158	2,240,643	858,921	439,809	1,536,228	2,607,011
12/31/2002	30,721,815	37,406,629	27,887,484	16,888,688	6,156,744	3,346,354	2,238,466	-418,047	1,357,529	303,348	174,509	632,451	291,154
12/31/2003	34,471,804	39,272,663	28,058,429	15,478,577	4,839,299	1,704,976	2,443,301	1,406,692	710,605	811,471	1,055,762	620,473	-121,385
12/31/2004	38,034,642	39,515,738	31,281,371	12,878,217	4,695,194	2,767,074	1,502,224	2,206,899	488,344	838,792	767,163	834,940	
12/31/2005	39,476,489	45,732,756	30,249,253	12,919,003	6,636,374	3,316,688	2,053,057	1,651,288	1,185,387	625,760	1,546,006		
12/31/2006	38,666,680	46,815,418	29,397,214	17,021,131	5,899,525	3,017,355	400,270	1,740,669	3,170,894	620,659			
12/31/2007	42,416,167	55,201,499	37,794,673	16,208,041	5,133,880	2,752,117	1,109,289	2,275,413	-163,043				
12/31/2008	48,516,066	53,528,135	42,889,169	19,039,893	5,949,442	3,798,503	1,625,968	1,447,957					
12/31/2009	50,177,520	59,595,816	39,936,643	17,899,968	10,055,274	6,009,228	4,102,497						
12/31/2010	57,941,202	61,168,828	40,653,598	21,137,535	8,514,586	4,375,702							
12/31/2011	57,555,215	66,540,430	42,975,503	19,651,024	8,605,834								
12/31/2012	52,821,826	60,496,245	42,143,906	23,679,735									
12/31/2013	58,638,997	63,105,728	55,098,451										
12/31/2014	64,174,459	73,683,517											
12/31/2015	65,332,862												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	0.0442	0.0499	0.0256	0.0211	0.0011	0.0046	0.0010	0.0030	0.0016	0.0010	0.0023	0.0004	0.0014
12/31/1998	0.0501	0.0537	0.0462	-0.0027	0.0116	0.0029	0.0041	0.0032	0.0033	0.0042	-0.0012	0.0010	0.0002
12/31/1999	0.0557	0.0608	0.0273	0.0245	0.0101	0.0048	0.0101	0.0024	0.0053	0.0017	0.0020	0.0022	0.0011
12/31/2000	0.0593	0.0615	0.0397	0.0191	0.0119	0.0071	0.0056	0.0021	-0.0001	0.0037	0.0040	-0.0016	0.0020
12/31/2001	0.0541	0.0590	0.0519	0.0273	0.0177	0.0092	0.0049	0.0056	0.0041	0.0016	0.0008	0.0028	0.0047
12/31/2002	0.0579	0.0704	0.0525	0.0318	0.0116	0.0063	0.0042	-0.0008	0.0026	0.0006	0.0003	0.0012	0.0005
12/31/2003	0.0656	0.0747	0.0534	0.0294	0.0092	0.0032	0.0046	0.0027	0.0014	0.0015	0.0020	0.0012	-0.0002
12/31/2004	0.0681	0.0708	0.0560	0.0231	0.0084	0.0050	0.0027	0.0040	0.0009	0.0015	0.0014	0.0015	
12/31/2005	0.0682	0.0790	0.0523	0.0223	0.0115	0.0057	0.0035	0.0029	0.0020	0.0011	0.0027		
12/31/2006	0.0686	0.0831	0.0522	0.0302	0.0105	0.0054	0.0007	0.0031	0.0056	0.0011			
12/31/2007	0.0631	0.0821	0.0562	0.0241	0.0076	0.0041	0.0017	0.0034	-0.0002				
12/31/2008	0.0765	0.0844	0.0676	0.0300	0.0094	0.0060	0.0026	0.0023					
12/31/2009	0.0705	0.0837	0.0561	0.0251	0.0141	0.0084	0.0058						
12/31/2010	0.0757	0.0799	0.0531	0.0276	0.0111	0.0057							
12/31/2011	0.0729	0.0843	0.0544	0.0249	0.0109								
12/31/2012	0.0758	0.0868	0.0604	0.0340									
12/31/2013	0.0778	0.0837	0.0731										
12/31/2014	0.0802	0.0920											
12/31/2015	0.0832												

Best 3/5	0.0779	0.0849	0.0570	0.0276	0.0105	0.0057	0.0026	0.0031	0.0014	0.0012	0.0014	0.0013	0.0012
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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

A.Y.E.	\$100,000 Basic Limit Losses as of:											
	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	37,010,434	42,889,623	45,305,932	47,461,602	48,162,584	48,019,043	47,724,212	47,940,714	48,090,182	48,321,037	48,353,355	
12/31/1998	40,840,162	45,900,157	48,043,810	50,608,400	49,761,122	50,520,319	50,122,650	50,071,866	50,339,874	50,096,886	50,192,079	
12/31/1999	44,603,456	50,746,789	53,842,197	54,319,138	54,906,334	54,369,326	54,267,885	54,971,367	54,909,001	55,267,043	55,198,979	
12/31/2000	44,498,215	47,539,004	49,961,344	51,750,884	52,775,713	52,490,621	52,342,225	51,915,410	52,517,684	52,700,448	52,917,415	
12/31/2001	36,099,280	41,246,488	44,698,030	45,546,684	46,326,753	47,123,552	47,104,533	47,953,100	48,490,837	48,818,497	49,044,107	
12/31/2002	33,267,165	37,056,299	39,519,590	41,815,373	42,779,315	43,258,382	43,376,860	43,612,711	43,606,675	43,742,588	44,206,940	
12/31/2003	34,242,777	37,511,527	39,532,934	41,377,395	43,374,510	43,593,172	43,722,466	43,498,949	43,608,383	43,720,380	43,871,829	
12/31/2004	32,612,437	37,116,844	37,738,516	38,939,974	41,568,957	41,276,319	41,292,077	41,291,161	41,821,665	42,319,182	42,335,501	
12/31/2005	30,639,199	34,720,747	36,318,174	37,631,584	38,408,423	38,360,938	38,520,299	38,877,206	39,130,711	39,333,093	38,898,454	
12/31/2006	31,790,239	33,151,164	35,420,162	36,542,123	37,152,768	37,791,485	38,328,566	38,584,480	38,944,565	38,983,590	39,258,465	
12/31/2007	35,021,953	39,838,806	41,651,257	43,673,872	43,002,302	42,930,086	44,290,391	45,459,016	45,725,929	45,753,025		
12/31/2008	39,641,555	43,040,587	45,045,534	45,253,502	45,528,721	46,517,565	46,370,655	45,613,491	45,893,300			
12/31/2009	39,774,358	44,217,245	46,891,743	47,155,719	47,565,927	48,061,449	48,129,895	48,546,001				
12/31/2010	43,705,599	48,356,997	49,006,897	50,377,271	50,040,838	49,955,136	50,553,973					
12/31/2011	51,149,457	53,863,422	55,741,779	56,071,074	56,536,662	56,745,784						
12/31/2012	44,276,151	47,149,803	49,462,354	49,918,412	50,437,029							
12/31/2013	45,863,072	51,929,717	52,906,330	54,387,507								
12/31/2014	48,826,122	51,498,679	54,632,452									
12/31/2015	45,331,278	50,373,410										
12/31/2016	39,638,280											
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months			
12/31/1997	48,613,423	48,751,423	48,899,974	48,955,474	48,936,351	49,079,516	49,551,973	49,539,058	49,630,949			
12/31/1998	50,535,853	50,408,841	50,352,334	50,562,037	50,684,365	50,793,744	51,001,149	51,180,306				
12/31/1999	55,292,937	55,195,838	55,422,151	55,510,260	55,504,396	55,497,337	55,656,689					
12/31/2000	53,102,937	53,328,173	53,522,959	53,527,198	53,637,301	53,675,250						
12/31/2001	49,344,533	49,586,534	49,321,614	49,389,893	49,409,363							
12/31/2002	44,266,924	44,235,624	44,500,622	44,454,812								
12/31/2003	44,061,002	44,028,678	44,014,029									
12/31/2004	42,360,280	42,369,285										
12/31/2005	39,007,929											

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
12/31/1997	1.159	1.056	1.048	1.015	0.997	0.994	1.005	1.003	1.005	1.001	1.005
12/31/1998	1.124	1.047	1.053	0.983	1.015	0.992	0.999	1.005	0.995	1.002	1.007
12/31/1999	1.138	1.061	1.009	1.011	0.990	0.998	1.013	0.999	1.007	0.999	1.002
12/31/2000	1.068	1.051	1.036	1.020	0.995	0.997	0.992	1.012	1.003	1.004	1.004
12/31/2001	1.143	1.084	1.019	1.017	1.017	1.000	1.018	1.011	1.007	1.005	1.006
12/31/2002	1.114	1.066	1.058	1.023	1.011	1.003	1.005	1.000	1.003	1.011	1.001
12/31/2003	1.095	1.054	1.047	1.048	1.005	1.003	0.995	1.003	1.003	0.995	1.004
12/31/2004	1.138	1.017	1.032	1.068	0.993	1.000	1.000	1.013	1.012	1.000	1.001
12/31/2005	1.133	1.046	1.036	1.021	0.999	1.004	1.009	1.007	1.005	0.989	1.003
12/31/2006	1.043	1.068	1.032	1.017	1.017	1.014	1.007	1.009	1.001	1.007	
12/31/2007	1.138	1.045	1.049	0.985	0.998	1.032	1.026	1.006	1.001		
12/31/2008	1.086	1.047	1.005	1.006	1.022	0.997	0.984	1.006			
12/31/2009	1.112	1.060	1.006	1.009	1.010	1.001	1.009				
12/31/2010	1.106	1.013	1.028	0.993	0.998	1.012					
12/31/2011	1.053	1.035	1.006	1.008	1.004						
12/31/2012	1.065	1.049	1.009	1.010							
12/31/2013	1.132	1.019	1.028								
12/31/2014	1.055	1.061									
12/31/2015	1.111										
3 Yr Mean	1.099	1.043	1.014	1.004	1.004	1.003	1.006	1.007	1.002	0.999	1.003
Best 3/5	1.077	1.034	1.014	1.008	1.004	1.009	1.008	1.007	1.003	1.003	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.003	1.003	1.001	1.000	1.003	1.010	1.000	1.002			
12/31/1998	0.997	0.999	1.004	1.002	1.002	1.004	1.004	1.003 *			
12/31/1999	0.998	1.004	1.002	1.000	1.000	1.003	1.003 *	1.003 *			
12/31/2000	1.004	1.004	1.000	1.002	1.001	1.001 *	1.003 *	1.003 *			
12/31/2001	1.005	0.995	1.001	1.000	1.001 *	1.001 *	1.003 *	1.003 *			
12/31/2002	0.999	1.006	0.999								
12/31/2003	0.999	1.000									
12/31/2004	1.000										
3 Yr Mean	0.999	1.000	1.000	1.001	1.001 @	1.006 @	1.002 @	1.002 @			
Best 3/5	1.001	1.003	1.001	1.001	1.001 *	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
12/31/2012					1.004	1.009	1.008	1.007	1.003	1.003	1.003
12/31/2013				1.008	1.004	1.009	1.008	1.007	1.003	1.003	1.003
12/31/2014			1.014	1.008	1.004	1.009	1.008	1.007	1.003	1.003	1.003
12/31/2015		1.034	1.014	1.008	1.004	1.009	1.008	1.007	1.003	1.003	1.003
12/31/2016	1.077	1.034	1.014	1.008	1.004	1.009	1.008	1.007	1.003	1.003	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.001	1.003	1.001	1.001	1.001	1.003	1.003	1.003	1.012*	1.067
12/31/2013	1.001	1.003	1.001	1.001	1.001	1.003	1.003	1.003	1.012*	1.075
12/31/2014	1.001	1.003	1.001	1.001	1.001	1.003	1.003	1.003	1.012*	1.091
12/31/2015	1.001	1.003	1.001	1.001	1.001	1.003	1.003	1.003	1.012*	1.128
12/31/2016	1.001	1.003	1.001	1.001	1.001	1.003	1.003	1.003	1.012*	1.214

\* 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>
12/31/1997	2,452,632	2,731,212	3,031,946	3,144,090	3,243,283	3,317,143	3,208,792	3,204,644	3,377,404	3,533,725	3,387,096
12/31/1998	2,252,964	2,314,908	2,681,111	2,561,053	2,718,867	2,543,732	2,554,532	2,807,811	2,891,368	3,098,888	3,109,814
12/31/1999	2,454,114	2,622,388	2,992,434	2,948,594	3,165,943	3,181,430	3,303,898	3,566,269	3,728,412	3,673,521	3,613,630
12/31/2000	2,053,611	2,096,766	2,392,541	2,605,416	2,578,058	2,614,972	2,727,149	2,624,149	2,629,148	2,628,151	2,653,650
12/31/2001	2,631,719	2,655,330	3,015,316	3,073,210	3,090,021	3,297,972	3,139,905	3,137,503	3,392,461	3,402,407	3,576,772
12/31/2002	1,820,219	2,161,951	2,414,140	2,203,242	2,260,476	2,209,919	2,116,830	2,098,111	2,110,109	2,116,609	2,115,609
12/31/2003	2,158,717	2,474,106	2,446,677	2,837,284	2,829,680	2,925,573	2,986,928	2,993,712	2,963,363	2,913,862	2,880,329
12/31/2004	2,198,778	2,687,819	2,746,025	3,479,721	3,201,644	3,302,576	3,240,750	3,249,820	3,250,828	3,352,890	3,351,489
12/31/2005	1,857,874	2,173,105	2,676,501	2,591,456	2,642,521	2,640,008	2,744,457	2,988,456	2,794,035	2,806,180	2,810,278
12/31/2006	2,301,025	2,353,089	2,635,459	2,877,435	3,166,029	2,933,152	3,068,388	3,324,410	3,153,237	3,253,236	3,188,575
12/31/2007	1,934,855	2,611,744	2,534,279	2,728,111	2,779,973	2,770,885	2,682,310	2,679,385	2,679,385	2,679,385	
12/31/2008	1,988,350	2,104,148	2,088,017	2,365,626	2,340,427	2,435,478	2,453,968	2,456,967	2,423,968		
12/31/2009	2,188,662	2,178,338	2,254,660	2,434,057	2,405,537	2,455,306	2,513,666	2,570,747			
12/31/2010	2,066,055	2,171,957	2,271,774	2,243,029	2,231,530	2,271,530	2,296,536				
12/31/2011	1,802,276	2,247,071	2,584,301	2,540,950	2,822,679	2,944,692					
12/31/2012	1,423,563	1,947,496	2,318,669	2,488,481	2,555,586						
12/31/2013	2,721,339	2,918,937	2,615,895	2,709,620							
12/31/2014	2,582,053	2,417,275	2,488,805								
12/31/2015	3,611,967	3,894,406									
12/31/2016	2,628,981										
<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	3,384,320	3,382,266	3,380,717	3,430,721	3,444,331	3,525,581	3,525,581	3,475,581	3,475,581		
12/31/1998	3,103,379	3,068,342	3,068,342	3,081,952	3,163,202	3,163,202	3,163,167	3,163,167			
12/31/1999	3,610,829	3,605,829	3,604,204	3,601,704	3,601,604	3,601,604	3,601,604				
12/31/2000	2,628,150	2,624,775	2,625,084	2,625,186	2,625,185	2,625,185					
12/31/2001	3,478,244	3,500,522	3,375,521	3,375,521	3,389,984						
12/31/2002	2,124,109	2,124,109	2,124,109	2,124,109							
12/31/2003	2,891,692	2,991,693	2,999,593								
12/31/2004	3,450,990	3,452,865									
12/31/2005	2,808,951										

PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
DEDUCTIBLE  
MULTISTATE

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

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.114	1.110	1.037	1.032	1.023	0.967	0.999	1.054	1.046	0.959	0.999
12/31/1998	1.027	1.158	0.955	1.062	0.936	1.004	1.099	1.030	1.072	1.004	0.998
12/31/1999	1.069	1.141	0.985	1.074	1.005	1.038	1.079	1.045	0.985	0.984	0.999
12/31/2000	1.021	1.141	1.089	0.989	1.014	1.043	0.962	1.002	1.000	1.010	0.990
12/31/2001	1.009	1.136	1.019	1.005	1.067	0.952	0.999	1.081	1.003	1.051	0.972
12/31/2002	1.188	1.117	0.913	1.026	0.978	0.958	0.991	1.006	1.003	1.000	1.004
12/31/2003	1.146	0.989	1.160	0.997	1.034	1.021	1.002	0.990	0.983	0.988	1.004
12/31/2004	1.222	1.022	1.267	0.920	1.032	0.981	1.003	1.000	1.031	1.000	1.030
12/31/2005	1.170	1.232	0.968	1.020	0.999	1.040	1.089	0.935	1.004	1.001	1.000
12/31/2006	1.023	1.120	1.092	1.100	0.926	1.046	1.083	0.949	1.032	0.980	
12/31/2007	1.350	0.970	1.076	1.019	0.997	0.968	0.999	1.000	1.000		
12/31/2008	1.058	0.992	1.133	0.989	1.041	1.008	1.001	0.987			
12/31/2009	0.995	1.035	1.080	0.988	1.021	1.024	1.023				
12/31/2010	1.051	1.046	0.987	0.995	1.018	1.011					
12/31/2011	1.247	1.150	0.983	1.111	1.043						
12/31/2012	1.368	1.191	1.073	1.027							
12/31/2013	1.073	0.896	1.036								
12/31/2014	0.936	1.030									
12/31/2015	1.078										
3 Yr Mean	1.029	1.039	1.031	1.044	1.027	1.014	1.008	0.979	1.012	0.994	1.011
Best 3/5	1.133	1.075	1.032	1.004	1.027	1.014	1.036	0.979	1.012	0.996	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.999	1.000	1.015	1.004	1.024	1.000	0.986	1.000			
12/31/1998	0.989	1.000	1.004	1.026	1.000	1.000	1.000	1.000 *			
12/31/1999	0.999	1.000	0.999	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2000	0.999	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2001	1.006	0.964	1.000	1.004	1.003 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.000	1.000	1.000								
12/31/2003	1.035	1.003									
12/31/2004	1.001										
3 Yr Mean	1.012	0.989	1.000	1.001	1.000 @	1.000 @	0.993 @	1.000 @			
Best 3/5	1.002	1.000	1.000	1.003	1.001 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.027	1.014	1.036	0.979	1.012	0.996	1.003
12/31/2013				1.004	1.027	1.014	1.036	0.979	1.012	0.996	1.003
12/31/2014			1.032	1.004	1.027	1.014	1.036	0.979	1.012	0.996	1.003
12/31/2015		1.075	1.032	1.004	1.027	1.014	1.036	0.979	1.012	0.996	1.003
12/31/2016	1.133	1.075	1.032	1.004	1.027	1.014	1.036	0.979	1.012	0.996	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2012	1.002	1.000	1.000	1.003	1.001	1.000	1.000	1.000	1.000*	1.074
12/31/2013	1.002	1.000	1.000	1.003	1.001	1.000	1.000	1.000	1.000*	1.079
12/31/2014	1.002	1.000	1.000	1.003	1.001	1.000	1.000	1.000	1.000*	1.113
12/31/2015	1.002	1.000	1.000	1.003	1.001	1.000	1.000	1.000	1.000*	1.197
12/31/2016	1.002	1.000	1.000	1.003	1.001	1.000	1.000	1.000	1.000*	1.356

\* 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>
12/31/1997	3,928,355	8,559,376	13,195,139	18,781,741	20,046,411	23,432,535	24,757,199	25,041,319	30,663,511	30,882,322	32,089,113
12/31/1998	3,960,655	7,869,913	13,623,219	14,118,446	15,435,458	17,368,583	17,901,870	20,630,395	23,632,745	23,954,707	23,591,828
12/31/1999	5,234,259	8,780,201	12,981,998	16,425,765	19,791,363	22,254,238	22,997,118	23,883,410	24,629,570	26,919,842	28,050,956
12/31/2000	4,002,343	10,899,892	14,400,371	18,321,424	21,222,679	25,222,306	23,055,807	27,174,610	27,921,787	28,607,004	29,034,129
12/31/2001	6,571,081	12,403,193	17,904,196	22,648,644	26,527,783	31,496,354	35,790,158	40,950,171	43,503,865	43,217,557	44,156,694
12/31/2002	3,242,065	7,228,457	11,820,853	17,892,631	25,521,886	30,263,407	32,437,620	33,417,970	34,241,251	34,521,402	34,630,626
12/31/2003	4,001,343	8,167,887	12,817,167	16,595,061	21,139,674	23,889,021	25,721,595	25,893,646	26,322,805	27,221,711	27,647,415
12/31/2004	4,781,071	8,922,693	13,895,718	17,482,143	21,989,851	25,220,736	26,419,826	27,577,111	27,983,863	28,591,515	29,645,174
12/31/2005	2,835,021	7,706,532	11,981,231	16,443,425	20,212,831	22,004,368	24,272,971	26,742,614	28,220,635	29,144,039	32,002,065
12/31/2006	3,281,462	7,290,987	13,709,828	18,502,559	22,955,789	25,821,716	27,377,251	27,774,856	29,445,832	29,304,872	29,800,521
12/31/2007	4,992,797	9,885,727	14,345,574	18,564,977	21,712,000	23,953,028	26,609,930	27,671,994	28,206,830	28,935,556	
12/31/2008	5,346,827	11,628,056	16,808,754	23,264,410	28,965,271	31,792,106	33,353,895	34,746,565	36,976,767		
12/31/2009	5,728,558	11,962,437	17,582,828	23,294,239	26,857,210	29,038,238	29,930,998	31,138,489			
12/31/2010	5,848,925	12,232,534	17,435,292	23,056,177	26,131,310	28,835,766	31,932,836				
12/31/2011	7,761,386	14,793,241	21,812,946	27,772,659	32,187,309	34,241,967					
12/31/2012	6,947,091	11,955,689	19,932,554	25,759,641	31,480,370						
12/31/2013	6,433,196	13,020,070	19,222,072	23,626,102							
12/31/2014	7,258,136	13,144,037	18,948,391								
12/31/2015	8,267,896	14,166,141									
12/31/2016	6,029,580										

<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	32,506,511	32,795,778	33,022,269	33,357,080	33,556,247	33,453,585	33,529,971	33,429,199	33,366,741
12/31/1998	24,456,997	24,688,526	25,075,313	25,154,698	25,095,726	25,251,175	25,275,540	25,183,934	
12/31/1999	28,977,583	29,654,199	29,654,400	30,068,370	30,210,308	30,363,029	30,395,148		
12/31/2000	29,253,176	29,752,681	29,991,169	30,026,224	29,983,101	30,038,672			
12/31/2001	45,146,316	45,489,907	45,478,508	45,671,177	45,782,954				
12/31/2002	34,795,542	34,926,797	34,870,980	34,936,429					
12/31/2003	27,451,359	27,497,152	27,697,730						
12/31/2004	30,297,304	30,720,636							
12/31/2005	32,137,122								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	4,631,021	4,635,763	5,586,602	1,264,670	3,386,124	1,324,664	284,120	5,622,192	218,811	1,206,791	417,398	289,267	226,491
12/31/1998	3,909,258	5,753,306	495,227	1,317,012	1,933,125	533,287	2,728,525	3,002,350	321,962	-362,879	865,169	231,529	386,787
12/31/1999	3,545,942	4,201,797	3,443,767	3,365,598	2,462,875	742,880	886,292	746,160	2,290,272	1,131,114	926,627	676,616	201
12/31/2000	6,897,549	3,500,479	3,921,053	2,901,255	3,999,627	-2,166,499	4,118,803	747,177	685,217	427,125	219,047	499,505	238,488
12/31/2001	5,832,112	5,501,003	4,744,448	3,879,139	4,968,571	4,293,804	5,160,013	2,553,694	-286,308	939,137	989,622	343,591	-11,399
12/31/2002	3,986,392	4,592,396	6,071,778	7,629,255	4,741,521	2,174,213	980,350	823,281	280,151	109,224	164,916	131,255	-55,817
12/31/2003	4,166,544	4,649,280	3,777,894	4,544,613	2,749,347	1,832,574	172,051	429,159	898,906	425,704	-196,056	45,793	200,578
12/31/2004	4,141,622	4,973,025	3,586,425	4,507,708	3,230,885	1,199,090	1,157,285	406,752	607,652	1,053,659	652,130	423,332	
12/31/2005	4,871,511	4,274,699	4,462,194	3,769,406	1,791,537	2,268,603	2,469,643	1,478,021	923,404	2,858,026	135,057		
12/31/2006	4,009,525	6,418,841	4,792,731	4,453,230	2,865,927	1,555,535	397,605	1,670,976	-140,960	495,649			
12/31/2007	4,892,930	4,459,847	4,219,403	3,147,023	2,241,028	2,656,902	1,062,064	534,836	728,726				
12/31/2008	6,281,229	5,180,698	6,455,656	5,700,861	2,826,835	1,561,789	1,392,670	2,230,202					
12/31/2009	6,233,879	5,620,391	5,711,411	3,562,971	2,181,028	892,760	1,207,491						
12/31/2010	6,383,609	5,202,758	5,620,885	3,075,133	2,704,456	3,097,070							
12/31/2011	7,031,855	7,019,705	5,959,713	4,414,650	2,054,658								
12/31/2012	5,008,598	7,976,865	5,827,087	5,720,729									
12/31/2013	6,586,874	6,202,002	4,404,030										
12/31/2014	5,885,901	5,804,354											
12/31/2015	5,898,245												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	0.0694	0.0694	0.0837	0.0189	0.0507	0.0198	0.0043	0.0842	0.0033	0.0181	0.0063	0.0043	0.0034
12/31/1998	0.0571	0.0840	0.0072	0.0192	0.0282	0.0078	0.0399	0.0439	0.0047	-0.0053	0.0126	0.0034	0.0057
12/31/1999	0.0466	0.0552	0.0452	0.0442	0.0323	0.0098	0.0116	0.0098	0.0301	0.0149	0.0122	0.0089	0.0000
12/31/2000	0.0982	0.0498	0.0558	0.0413	0.0569	-0.0308	0.0586	0.0106	0.0098	0.0061	0.0031	0.0071	0.0034
12/31/2001	0.0857	0.0809	0.0697	0.0570	0.0730	0.0631	0.0758	0.0375	-0.0042	0.0138	0.0145	0.0051	-0.0002
12/31/2002	0.0607	0.0699	0.0924	0.1161	0.0722	0.0331	0.0149	0.0125	0.0043	0.0017	0.0025	0.0020	-0.0008
12/31/2003	0.0700	0.0781	0.0635	0.0764	0.0462	0.0308	0.0029	0.0072	0.0151	0.0072	-0.0033	0.0008	0.0034
12/31/2004	0.0699	0.0840	0.0606	0.0761	0.0546	0.0202	0.0195	0.0069	0.0103	0.0178	0.0110	0.0071	
12/31/2005	0.0904	0.0793	0.0828	0.0699	0.0332	0.0421	0.0458	0.0274	0.0171	0.0530	0.0025		
12/31/2006	0.0758	0.1213	0.0906	0.0842	0.0542	0.0294	0.0075	0.0316	-0.0027	0.0094			
12/31/2007	0.0787	0.0717	0.0678	0.0506	0.0360	0.0427	0.0171	0.0086	0.0117				
12/31/2008	0.0977	0.0805	0.1004	0.0886	0.0439	0.0243	0.0217	0.0347					
12/31/2009	0.0920	0.0829	0.0842	0.0526	0.0322	0.0132	0.0178						
12/31/2010	0.0861	0.0702	0.0758	0.0415	0.0365	0.0418							
12/31/2011	0.0810	0.0809	0.0687	0.0509	0.0237								
12/31/2012	0.0674	0.1073	0.0784	0.0770									
12/31/2013	0.0808	0.0761	0.0540										
12/31/2014	0.0687	0.0678											
12/31/2015	0.0742												

Best 3/5	0.0746	0.0757	0.0743	0.0601	0.0349	0.0318	0.0188	0.0225	0.0124	0.0114	0.0053	0.0047	0.0011
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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

A.Y.E.	\$100,000 Basic Limit Losses as of:										
	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	20,777,557	29,340,860	33,567,929	34,857,008	33,160,789	34,640,945	33,435,134	33,788,506	33,770,445	33,479,595	33,693,361
12/31/1998	17,295,738	25,493,359	29,562,687	27,512,707	30,400,199	29,013,234	28,843,611	28,757,968	28,713,712	28,601,145	28,510,828
12/31/1999	17,066,463	24,121,213	22,056,110	29,261,903	26,420,600	25,552,043	26,103,916	26,207,044	25,971,125	26,277,275	25,880,011
12/31/2000	18,088,464	20,881,398	34,730,438	34,390,312	35,067,523	36,211,329	36,773,104	36,785,053	36,973,930	36,775,638	36,536,972
12/31/2001	14,116,645	27,299,008	28,672,151	31,167,312	32,708,759	32,271,071	32,071,689	32,147,248	32,080,493	31,758,586	31,635,792
12/31/2002	14,790,047	16,740,823	17,779,135	19,392,726	17,699,233	18,208,607	17,434,804	17,284,883	17,597,505	17,410,955	17,434,518
12/31/2003	9,323,323	12,708,955	14,528,493	13,222,526	13,607,042	13,306,531	13,012,526	13,019,226	12,998,150	12,958,102	13,067,733
12/31/2004	16,101,905	18,180,342	19,134,738	18,764,522	18,126,979	18,266,923	18,666,261	18,540,763	18,493,723	18,879,537	18,652,466
12/31/2005	17,761,457	22,117,994	23,355,835	22,999,924	22,332,632	21,798,446	21,994,504	22,221,214	21,958,645	22,098,255	21,935,043
12/31/2006	20,567,072	24,133,244	25,273,247	24,124,651	23,747,513	23,493,635	23,361,132	23,439,553	23,321,315	23,301,146	23,576,146
12/31/2007	18,962,370	22,170,344	21,655,220	22,141,191	21,372,592	21,025,326	21,203,333	21,280,410	21,222,645	21,198,998	
12/31/2008	15,262,126	16,631,638	16,832,987	16,154,966	16,376,680	16,470,125	16,781,089	16,632,364	16,661,755		
12/31/2009	13,226,696	14,999,493	16,351,161	17,432,093	17,986,571	17,941,915	17,934,943	17,729,559			
12/31/2010	10,989,339	12,892,310	13,654,847	14,631,561	14,302,464	14,282,519	14,235,722				
12/31/2011	11,402,583	12,507,822	13,794,633	14,119,850	14,720,516	14,545,926					
12/31/2012	8,733,902	11,412,605	11,799,175	11,850,789	11,817,225						
12/31/2013	9,116,023	11,200,970	11,200,970	13,608,268							
12/31/2014	9,789,736	12,116,982	14,733,459								
12/31/2015	10,525,535	14,270,302									
12/31/2016	11,301,486										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1997	33,910,861	34,012,962	33,781,244	33,727,122	33,889,736	33,781,513	33,763,378	33,971,114	33,966,073		
12/31/1998	28,496,668	28,590,775	28,611,229	28,629,554	28,756,436	28,882,420	29,017,326	28,948,201			
12/31/1999	26,001,637	25,804,850	25,807,142	26,039,542	26,040,542	26,040,541	26,089,538				
12/31/2000	36,624,316	36,521,466	36,621,466	36,672,466	36,761,466	36,761,467					
12/31/2001	31,518,426	31,817,926	31,810,401	31,862,839	31,872,635						
12/31/2002	17,626,961	17,712,924	17,721,825	17,701,122							
12/31/2003	13,058,617	13,060,614	13,050,614								
12/31/2004	18,732,570	18,713,269									
12/31/2005	21,885,195										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.412	1.144	1.038	0.951	1.045	0.965	1.011	0.999	0.991	1.006	1.006
12/31/1998	1.474	1.160	0.931	1.105	0.954	0.994	0.997	0.998	0.996	0.997	1.000
12/31/1999	1.413	0.914	1.327	0.903	0.967	1.022	1.004	0.991	1.012	0.985	1.005
12/31/2000	1.154	1.663	0.990	1.020	1.033	1.016	1.000	1.005	0.995	0.994	1.002
12/31/2001	1.934	1.050	1.087	1.049	0.987	0.994	1.002	0.998	0.990	0.996	0.996
12/31/2002	1.132	1.062	1.091	0.913	1.029	0.958	0.991	1.018	0.989	1.001	1.011
12/31/2003	1.363	1.143	0.910	1.029	0.978	0.978	1.001	0.998	0.997	1.008	0.999
12/31/2004	1.129	1.052	0.981	0.966	1.008	1.022	0.993	0.997	1.021	0.988	1.004
12/31/2005	1.245	1.056	0.985	0.971	0.976	1.009	1.010	0.988	1.006	0.993	0.998
12/31/2006	1.173	1.047	0.955	0.984	0.989	0.994	1.003	0.995	0.999	1.012	
12/31/2007	1.169	0.977	1.022	0.965	0.984	1.008	1.004	0.997	0.999		
12/31/2008	1.090	1.012	0.960	1.014	1.006	1.019	0.991	1.002			
12/31/2009	1.134	1.090	1.066	1.032	0.998	1.000	0.989				
12/31/2010	1.173	1.059	1.072	0.978	0.999	0.997					
12/31/2011	1.097	1.103	1.024	1.043	0.988						
12/31/2012	1.307	1.034	1.004	0.997							
12/31/2013	1.229	1.139	1.067								
12/31/2014	1.238	1.216									
12/31/2015	1.356										
3 Yr Mean	1.274	1.130	1.032	1.006	0.995	1.005	0.995	0.998	1.001	0.998	1.000
Best 3/5	1.258	1.100	1.052	1.014	0.995	1.002	0.999	0.996	1.001	1.001	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.003	0.993	0.998	1.005	0.997	0.999	1.006	1.000			
12/31/1998	1.003	1.001	1.001	1.004	1.004	1.005	0.998	1.001 *			
12/31/1999	0.992	1.000	1.009	1.000	1.000	1.002	1.001 *	1.001 *			
12/31/2000	0.997	1.003	1.001	1.002	1.000	1.001 *	1.001 *	1.001 *			
12/31/2001	1.010	1.000	1.002	1.000	1.002 *	1.001 *	1.001 *	1.001 *			
12/31/2002	1.005	1.001	0.999								
12/31/2003	1.000	0.999									
12/31/2004	0.999										
3 Yr Mean	1.001	1.000	1.001	1.001	1.001 @	1.002 @	1.002 @	1.000 @			
Best 3/5	1.001	1.000	1.001	1.002	1.001 *	1.001 *	1.001 *	1.001 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					0.995	1.002	0.999	0.996	1.001	1.001	1.000
12/31/2013				1.014	0.995	1.002	0.999	0.996	1.001	1.001	1.000
12/31/2014			1.052	1.014	0.995	1.002	0.999	0.996	1.001	1.001	1.000
12/31/2015		1.100	1.052	1.014	0.995	1.002	0.999	0.996	1.001	1.001	1.000
12/31/2016	1.258	1.100	1.052	1.014	0.995	1.002	0.999	0.996	1.001	1.001	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.001	1.000	1.001	1.002	1.001	1.001	1.001	1.001	1.004*	1.006
12/31/2013	1.001	1.000	1.001	1.002	1.001	1.001	1.001	1.001	1.004*	1.020
12/31/2014	1.001	1.000	1.001	1.002	1.001	1.001	1.001	1.001	1.004*	1.073
12/31/2015	1.001	1.000	1.001	1.002	1.001	1.001	1.001	1.001	1.004*	1.180
12/31/2016	1.001	1.000	1.001	1.002	1.001	1.001	1.001	1.001	1.004*	1.485

\* 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>
12/31/1997	7,378,292	17,455,743	25,350,447	30,199,136	30,612,394	33,190,471	34,197,651	34,688,917	34,725,435	34,855,122	35,441,579
12/31/1998	7,864,754	18,330,829	27,290,851	27,509,040	33,217,556	33,651,914	36,417,773	36,406,672	36,270,842	36,366,816	36,068,475
12/31/1999	6,499,548	14,006,562	17,864,169	26,081,013	25,103,735	25,184,899	26,321,414	27,914,578	28,478,819	28,922,859	28,943,691
12/31/2000	6,862,791	10,924,922	20,354,438	26,218,805	29,671,081	32,618,614	34,573,886	36,341,211	38,017,761	40,369,649	41,530,990
12/31/2001	4,188,217	14,590,424	21,271,901	25,446,859	31,235,299	33,031,071	34,401,779	35,840,062	36,119,271	36,099,158	36,227,771
12/31/2002	5,289,606	8,377,102	10,321,725	12,835,371	13,056,108	15,066,533	16,857,027	17,032,930	17,516,494	17,977,627	18,018,443
12/31/2003	4,154,686	8,815,471	13,853,905	16,898,453	20,849,129	21,323,167	28,499,312	30,343,223	31,405,051	31,725,746	31,816,161
12/31/2004	3,032,982	7,560,724	13,846,199	17,736,624	19,711,999	21,066,200	21,636,679	21,959,117	22,268,707	22,810,473	22,784,816
12/31/2005	2,505,650	7,601,653	12,707,680	16,642,665	18,271,082	19,001,574	21,427,889	21,702,463	25,237,486	28,082,772	27,686,319
12/31/2006	2,555,007	7,514,392	12,577,111	20,392,640	23,089,686	23,961,700	25,750,037	24,864,747	25,526,122	25,648,578	25,842,212
12/31/2007	3,157,780	8,033,629	11,940,231	15,870,704	17,594,992	17,426,261	18,012,099	18,498,471	18,412,662	18,393,044	
12/31/2008	2,927,334	7,775,019	11,579,296	14,795,958	16,803,571	17,666,386	18,334,167	18,917,160	19,335,943		
12/31/2009	3,744,097	8,246,444	17,806,861	24,752,831	29,426,678	32,941,254	34,658,102	36,411,159			
12/31/2010	3,420,971	12,746,999	16,741,185	19,698,910	24,483,502	27,028,795	28,093,339				
12/31/2011	6,642,602	17,551,564	23,512,540	35,024,095	37,455,413	41,622,652					
12/31/2012	3,336,557	8,734,082	16,257,226	20,857,488	28,166,260						
12/31/2013	4,308,025	11,836,589	17,293,272	21,656,236							
12/31/2014	4,794,129	8,842,665	13,978,924								
12/31/2015	4,076,316	11,393,369									
12/31/2016	5,579,164										

<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	35,305,359	36,044,099	35,664,337	35,566,893	35,643,355	35,629,728	35,629,730	35,774,936	35,769,786
12/31/1998	36,142,521	36,246,484	36,279,515	37,636,802	37,631,547	37,678,602	37,757,115	37,774,851	
12/31/1999	28,508,102	28,494,836	28,512,569	28,520,143	28,520,143	28,621,621	28,812,495		
12/31/2000	41,265,764	41,259,450	41,261,746	41,346,783	41,341,472	41,341,473			
12/31/2001	36,259,154	36,276,839	36,368,136	36,379,114	36,381,126				
12/31/2002	18,057,708	18,857,280	20,978,096	20,953,749					
12/31/2003	31,828,458	31,810,603	31,810,603						
12/31/2004	23,211,326	23,010,632							
12/31/2005	27,736,805								

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												
	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	10,077,451	7,894,704	4,848,689	413,258	2,578,077	1,007,180	491,266	36,518	129,687	586,457	-136,220	738,740	-379,762
12/31/1998	10,466,075	8,960,022	218,189	5,708,516	434,358	2,765,859	-11,101	-135,830	95,974	-298,341	74,046	103,963	33,031
12/31/1999	7,507,014	3,857,607	8,216,844	-977,278	81,164	1,136,515	1,593,164	564,241	444,040	20,832	-435,589	-13,266	17,733
12/31/2000	4,062,131	9,429,516	5,864,367	3,452,276	2,947,533	1,955,272	1,767,325	1,676,550	2,351,888	1,161,341	-265,226	-6,314	2,296
12/31/2001	10,402,207	6,681,477	4,174,958	5,788,440	1,795,772	1,370,708	1,438,283	279,209	-20,113	128,613	31,383	17,685	91,297
12/31/2002	3,087,496	1,944,623	2,513,646	220,737	2,010,425	1,790,494	175,903	483,564	461,133	40,816	39,265	799,572	2,120,816
12/31/2003	4,660,785	5,038,434	3,044,548	3,950,676	474,038	7,176,145	1,843,911	1,061,828	320,695	90,415	12,297	-17,855	0
12/31/2004	4,527,742	6,285,475	3,890,425	1,975,375	1,354,201	570,479	322,438	309,590	541,766	-25,657	426,510	-200,694	
12/31/2005	5,096,003	5,106,027	3,934,985	1,628,417	730,492	2,426,315	274,574	3,535,023	2,845,286	-396,453	50,486		
12/31/2006	4,959,385	5,062,719	7,815,529	2,697,046	872,014	1,788,337	-885,290	661,375	122,456	193,634			
12/31/2007	4,875,849	3,906,602	3,930,473	1,724,288	-168,731	585,838	486,372	-85,809	-19,618				
12/31/2008	4,847,685	3,804,277	3,216,662	2,007,613	862,815	667,781	582,993	418,783					
12/31/2009	4,502,347	9,560,417	6,945,970	4,673,847	3,514,576	1,716,848	1,753,057						
12/31/2010	9,326,028	3,994,186	2,957,725	4,784,592	2,545,293	1,064,544							
12/31/2011	10,908,962	5,960,976	11,511,555	2,431,318	4,167,239								
12/31/2012	5,397,525	7,523,144	4,600,262	7,308,772									
12/31/2013	7,528,564	5,456,683	4,362,964										
12/31/2014	4,048,536	5,136,259											
12/31/2015	7,317,053												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1997	0.1904	0.1492	0.0916	0.0078	0.0487	0.0190	0.0093	0.0007	0.0025	0.0111	-0.0026	0.0140	-0.0072
12/31/1998	0.2138	0.1830	0.0045	0.1166	0.0089	0.0565	-0.0002	-0.0028	0.0020	-0.0061	0.0015	0.0021	0.0007
12/31/1999	0.1884	0.0968	0.2062	-0.0245	0.0020	0.0285	0.0400	0.0142	0.0111	0.0005	-0.0109	-0.0003	0.0004
12/31/2000	0.0710	0.1648	0.1025	0.0603	0.0515	0.0342	0.0309	0.0293	0.0411	0.0203	-0.0046	-0.0001	0.0000
12/31/2001	0.2058	0.1322	0.0826	0.1145	0.0355	0.0271	0.0285	0.0055	-0.0004	0.0025	0.0006	0.0003	0.0018
12/31/2002	0.1157	0.0729	0.0942	0.0083	0.0754	0.0671	0.0066	0.0181	0.0173	0.0015	0.0015	0.0300	0.0795
12/31/2003	0.2134	0.2306	0.1394	0.1809	0.0217	0.3285	0.0844	0.0486	0.0147	0.0041	0.0006	-0.0008	0.0000
12/31/2004	0.1545	0.2144	0.1327	0.0674	0.0462	0.0195	0.0110	0.0106	0.0185	-0.0009	0.0146	-0.0068	
12/31/2005	0.1462	0.1465	0.1129	0.0467	0.0210	0.0696	0.0079	0.1014	0.0816	-0.0114	0.0014		
12/31/2006	0.1373	0.1401	0.2163	0.0747	-0.0241	0.0495	-0.0245	0.0183	0.0034	0.0054			
12/31/2007	0.1587	0.1271	0.1279	0.0561	-0.0055	0.0191	0.0158	-0.0028	-0.0006				
12/31/2008	0.1873	0.1470	0.1243	0.0776	0.0333	0.0258	0.0225	0.0162					
12/31/2009	0.1413	0.3000	0.2180	0.1467	0.1103	0.0539	0.0550						
12/31/2010	0.3759	0.1610	0.1192	0.1929	0.1026	0.0429							
12/31/2011	0.4241	0.2317	0.4475	0.0945	0.1620								
12/31/2012	0.2770	0.3860	0.2361	0.3750									
12/31/2013	0.3298	0.2391	0.1911										
12/31/2014	0.1580	0.2005											
12/31/2015	0.2432												

Best 3/5      0.2833      0.2237      0.2151      0.1447      0.0821      0.0394      0.0154      0.0150      0.0122      0.0016      0.0012      -0.0002      0.0008

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 CLASS GROUPS 1-13 *</u>	<u>OL&amp;T CLASS GROUP 16</u>	<u>PREMISES/ OPERATIONS</u>
a) 7/1/2014 to 7/1/2019 AYE 12/31/2014	+ 1.3%	+ 2.8%	+ 1.0%	+ 1.4%	+ 1.1%
b) 7/1/2015 to 7/1/2019 AYE 12/31/2015	+ 1.5%	+ 3.0%	+ 1.0%	+ 1.6%	+ 1.2%
c) 7/1/2016 to 7/1/2019 AYE 12/31/2016	+ 2.1%	+ 2.9%	+ 1.0%	+ 1.8%	+ 1.2%

(2) <u>OCCURRENCE SEVERITY</u>	<u>MANUFACTURERS &amp; CONTRACTORS</u>			<u>OWNERS, LANDLORDS &amp; TENANTS</u>		
	<u>Bodily Injury</u>	<u>Property Damage</u>	<u>Fringe</u>	<u>Bodily Injury</u>	<u>Property Damage</u>	<u>Fringe</u>
a) Fitted						
All Years (20 Points)	+ 4.3%	+ 3.5%	- 1.9%	+ 4.6%	+ 3.7%	+ 2.8%
Eight Year (16 Points)	+ 4.9%	+ 4.8%	- 1.6%	+ 4.2%	+ 4.7%	- 3.4%
Six Year (12 Points)	+ 5.3%	+ 5.3%	- 0.7%	+ 4.1%	+ 4.8%	- 10.2%
b) Selected	+ 4.0%	+ 4.0%	+ 1.0%	+ 4.5%	+ 4.5%	+ 3.5%

(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 12/31/2014, 12/31/2015 & 12/31/2016

(1)		(2)		(3)		(1)		(2)		(3)	
YEAR ENDING QUARTER*		MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES		CONTRACTORS CLASS GROUP PAYROLL EXPOSURE INDICES		YEAR ENDING QUARTER*		MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES		CONTRACTORS 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		MANUFACTURERS	CONTRACTORS
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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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	15.8%	-2.3%
OTHER DURABLES	6.0%	0.0%
CLOTHING	10.4%	0.2%
FOOD	39.7%	1.7%
OTHER NON-DURABLES	28.1%	2.3%
TOTAL	100.0%	1.0% <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 12/31/2016. 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 2014 to 2019.

<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
2006	1	1.081	0.920	1.008	0.881	0.906	2013	1	0.887	1.040	1.051	1.072	1.054
	2	1.074	0.924	1.008	0.885	0.912		2	0.878	1.041	1.051	1.076	1.055
	3	1.069	0.929	1.008	0.890	0.917		3	0.869	1.042	1.054	1.081	1.056
	4	1.065	0.933	1.009	0.895	0.921		4	0.861	1.040	1.054	1.084	1.056
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	1.016	1.054	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	0.995	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	1.040	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		3P	0.745	1.011	1.038	1.139	1.111
	4	0.950	1.004	0.993	1.007	1.020		4P	0.741	1.011	1.038	1.144	1.117
2011	1	0.938	1.011	0.991	1.012	1.022	2018	1P	0.737	1.009	1.037	1.150	1.124
	2	0.929	1.019	0.993	1.020	1.026		2P	0.736	1.009	1.041	1.157	1.134
	3	0.923	1.028	1.000	1.030	1.030		3P	0.736	1.012	1.045	1.165	1.144
	4	0.917	1.036	1.011	1.041	1.035		4P	0.735	1.014	1.050	1.173	1.155
2012	1	0.912	1.042	1.022	1.050	1.040	2019	1P	0.735	1.017	1.054	1.181	1.165
	2	0.907	1.044	1.034	1.058	1.045		2P	0.735	1.019	1.059	1.189	1.176
	3	0.900	1.044	1.040	1.063	1.050		3P	0.734	1.021	1.063	1.197	1.187
	4	0.894	1.042	1.046	1.068	1.053		4P	0.734	1.022	1.067	1.206	1.198

Change In Exposures\*

Average Annual Trend Factor

7/1/2014 to 7/1/2019 (2019:4/2014:4)	0.890	1.000	1.010	1.090	1.120	7/1/2014 to 7/1/2019 (5.0 Years)	-2.3%	0.0%	0.2%	1.7%	2.3%
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\*Assumes a loss cost revision date of July 1, 2018, and a prospective average date of coverage one year later (July 1, 2019).

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PREMISES/OPERATIONS  
 GOVERNMENTAL SUBDIVISIONS  
 OWNERS, LANDLORDS AND TENANTS  
 AVERAGE ANNUAL EXPOSURE TRENDS  
 FOR ACCIDENT YEARS ENDING 12/31/2014, 12/31/2015 & 12/31/2016

(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 @	
2006	1	0.874		2013	1	1.084	
	2	0.886			2	1.090	
	3	0.897			3	1.096	
	4	0.907			4	1.101	
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			3P	1.162	
	4	1.027			4P	1.168	
2011	1	1.035		2018	1P	1.172	
	2	1.044			2P	1.175	
	3	1.053			3P	1.179	
	4	1.059			4P	1.183	
2012	1	1.066		2019	1P	1.188	
	2	1.070			2P	1.193	
	3	1.074			3P	1.199	
	4	1.080			4P	1.205	
CHANGE IN EXPOSURES				AVERAGE ANNUAL TREND FACTOR			
7/1/2014 to 7/1/2019		(2019:4/2014:4)	1.071	7/1/2014 to 7/1/2019		( 5.0 YRS )	1.014
7/1/2015 to 7/1/2019		(2019:4/2015:4)	1.065	7/1/2015 to 7/1/2019		( 4.0 YRS )	1.016
7/1/2016 to 7/1/2019		(2019:4/2016:4)	1.056	7/1/2016 to 7/1/2019		( 3.0 YRS )	1.018

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

@ Based on a year-ended quarterly implicit price deflator of state and local government expenditures. GDP accounts are based on 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 <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
				6/30/2007	\$ 227,920,184	4,726
12/31/2007	252,906,408	4,948	51,113	49,848		
6/30/2008	259,899,886	4,873	53,335	50,918		
12/31/2008	258,017,817	4,771	54,080	52,011		
6/30/2009	257,679,718	4,839	53,251	53,128	\$ 51,764	
12/31/2009	269,279,677	4,909	54,854	54,269	53,016	
6/30/2010	274,978,205	5,071	54,226	55,434	54,297	
12/31/2010	273,468,774	5,127	53,339	56,624	55,610	
6/30/2011	302,778,425	5,351	56,584	57,839	56,954	\$ 56,258
12/31/2011	311,508,399	5,229	59,573	59,081	58,331	57,730
6/30/2012	278,700,351	4,560	61,118	60,349	59,741	59,240
12/31/2012	260,964,985	4,353	59,951	61,645	61,185	60,790
6/30/2013	263,031,879	4,372	60,163	62,969	62,664	62,381
12/31/2013	274,220,390	4,452	61,595	64,320	64,179	64,013
6/30/2014	295,228,259	4,566	64,658	65,701	65,731	65,688
12/31/2014	297,898,824	4,296	69,343	67,112	67,320	67,407
6/30/2015	252,108,635	3,599	70,050	68,553	68,947	69,171
12/31/2015	246,911,877	3,661	67,444	70,024	70,614	70,981
6/30/2016	212,155,548	3,010	70,484	71,528	72,321	72,838
12/31/2016	237,744,833	2,939	80,893	73,063	74,069	74,744
Goodness of Fit Statistic, R-Squared:				0.915	0.905	0.855
Average Annual Severity Trend (10 yr)				+ 4.3%		
Average Annual Severity Trend ( 8 yr)				+ 4.9%		
Average Annual Severity Trend ( 6 yr)				+ 5.3%		
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  
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 <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
				6/30/2007	\$ 187,319,543	17,682
12/31/2007	198,792,208	18,189	10,929	10,293		
6/30/2008	202,964,169	18,355	11,058	10,473		
12/31/2008	210,948,354	18,990	11,108	10,656		
6/30/2009	204,895,001	18,852	10,869	10,843	\$ 10,238	
12/31/2009	196,911,800	18,242	10,794	11,033	10,479	
6/30/2010	198,658,525	18,858	10,534	11,226	10,727	
12/31/2010	203,133,907	19,438	10,450	11,423	10,980	
6/30/2011	206,561,175	19,466	10,611	11,623	11,240	\$ 11,064
12/31/2011	218,273,573	19,418	11,241	11,827	11,505	11,354
6/30/2012	209,964,608	18,816	11,159	12,034	11,777	11,652
12/31/2012	219,232,764	17,790	12,323	12,245	12,055	11,957
6/30/2013	224,675,676	17,228	13,041	12,459	12,339	12,270
12/31/2013	210,776,569	16,261	12,962	12,677	12,631	12,592
6/30/2014	212,674,955	15,869	13,402	12,899	12,929	12,922
12/31/2014	213,402,504	15,890	13,430	13,125	13,235	13,261
6/30/2015	208,168,377	15,595	13,348	13,355	13,547	13,608
12/31/2015	216,072,421	15,678	13,782	13,589	13,867	13,965
6/30/2016	210,531,421	15,304	13,757	13,827	14,194	14,331
12/31/2016	225,577,655	15,350	14,696	14,070	14,530	14,707
Goodness of Fit Statistic, R-Squared:				0.813	0.898	0.881
Average Annual Severity Trend (10 yr)				+ 3.5%		
Average Annual Severity Trend ( 8 yr)				+ 4.8%		
Average Annual Severity Trend ( 6 yr)				+ 5.3%		
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 <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
6/30/2007	\$ 22,633,181	581	\$ 38,956	\$ 42,947		
12/31/2007	22,393,088	555	40,348	42,542		
6/30/2008	22,408,427	483	46,394	42,140		
12/31/2008	23,175,830	476	48,689	41,743		
6/30/2009	23,047,344	497	46,373	41,349	\$ 40,602	
12/31/2009	25,905,990	563	46,014	40,959	40,283	
6/30/2010	24,538,769	642	38,222	40,572	39,967	
12/31/2010	19,728,174	621	31,768	40,190	39,653	
6/30/2011	19,267,353	542	35,549	39,810	39,342	\$ 38,421
12/31/2011	20,039,352	540	37,110	39,435	39,033	38,284
6/30/2012	19,132,189	517	37,006	39,063	38,727	38,148
12/31/2012	20,363,154	503	40,483	38,694	38,423	38,012
6/30/2013	18,617,761	475	39,195	38,329	38,122	37,877
12/31/2013	20,195,977	505	39,992	37,967	37,822	37,742
6/30/2014	22,857,414	554	41,259	37,609	37,526	37,608
12/31/2014	21,510,673	547	39,325	37,254	37,231	37,474
6/30/2015	19,795,025	576	34,366	36,903	36,939	37,341
12/31/2015	23,467,692	617	38,035	36,555	36,649	37,208
6/30/2016	21,626,311	646	33,477	36,210	36,361	37,076
12/31/2016	25,730,319	692	37,183	35,868	36,076	36,944
Goodness of Fit Statistic, R-Squared:				0.248	0.136	0.039
Average Annual Severity Trend (10 yr)				- 1.9%		
Average Annual Severity Trend ( 8 yr)				- 1.6%		
Average Annual Severity Trend ( 6 yr)				- 0.7%		
Selected Annual Severity Trend				+ 1.0%		

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

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

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 <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
				6/30/2007	\$ 575,638,863	20,498
12/31/2007	616,416,609	21,249	29,009	29,385		
6/30/2008	625,349,666	20,918	29,895	30,046		
12/31/2008	610,133,480	20,255	30,123	30,723		
6/30/2009	646,624,056	20,166	32,065	31,414	\$ 31,965	
12/31/2009	673,346,091	20,710	32,513	32,121	32,625	
6/30/2010	704,446,461	21,272	33,116	32,845	33,299	
12/31/2010	729,441,590	21,596	33,777	33,584	33,987	
6/30/2011	769,097,948	21,966	35,013	34,340	34,690	\$ 34,833
12/31/2011	749,300,690	21,159	35,413	35,113	35,406	35,533
6/30/2012	682,030,961	18,699	36,474	35,904	36,138	36,246
12/31/2012	648,518,233	17,913	36,204	36,712	36,885	36,974
6/30/2013	672,671,324	18,279	36,800	37,538	37,647	37,717
12/31/2013	701,416,532	18,605	37,700	38,384	38,425	38,474
6/30/2014	743,514,671	18,732	39,692	39,248	39,219	39,247
12/31/2014	745,609,955	18,203	40,961	40,131	40,029	40,035
6/30/2015	695,266,316	16,740	41,533	41,035	40,856	40,839
12/31/2015	749,468,203	17,067	43,913	41,959	41,701	41,660
6/30/2016	710,059,766	15,430	46,018	42,903	42,562	42,496
12/31/2016	620,619,483	16,228	38,244	43,869	43,442	43,350
Goodness of Fit Statistic, R-Squared:				0.917	0.838	0.674
Average Annual Severity Trend (10 yr)				+ 4.6%		
Average Annual Severity Trend ( 8 yr)				+ 4.2%		
Average Annual Severity Trend ( 6 yr)				+ 4.1%		
Selected Annual Severity Trend				+ 4.5%		

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

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

OCCURRENCE SEVERITY TREND  
MULTISTATE  
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 <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
				6/30/2007	\$ 75,047,871	8,499
12/31/2007	74,002,886	8,875	8,338	8,375		
6/30/2008	81,313,263	9,034	9,001	8,527		
12/31/2008	83,914,461	9,154	9,167	8,683		
6/30/2009	76,582,724	9,203	8,321	8,841	\$ 8,415	
12/31/2009	83,000,965	9,302	8,923	9,002	8,612	
6/30/2010	88,540,334	9,704	9,124	9,166	8,814	
12/31/2010	84,888,314	10,003	8,486	9,333	9,021	
6/30/2011	91,694,190	10,154	9,030	9,503	9,233	\$ 9,214
12/31/2011	94,543,114	9,959	9,493	9,676	9,449	9,434
6/30/2012	88,727,105	9,266	9,576	9,853	9,671	9,659
12/31/2012	88,436,849	8,804	10,045	10,032	9,898	9,890
6/30/2013	90,529,675	8,692	10,415	10,215	10,130	10,126
12/31/2013	86,059,179	8,398	10,248	10,401	10,368	10,368
6/30/2014	86,636,603	8,403	10,310	10,591	10,611	10,615
12/31/2014	87,507,719	8,268	10,584	10,784	10,860	10,868
6/30/2015	94,819,618	7,907	11,992	10,980	11,115	11,128
12/31/2015	95,544,244	8,001	11,942	11,180	11,375	11,393
6/30/2016	86,603,969	8,047	10,762	11,384	11,642	11,665
12/31/2016	96,889,632	8,072	12,003	11,591	11,915	11,944
Goodness of Fit Statistic, R-Squared:				0.826	0.884	0.819
Average Annual Severity Trend (10 yr)				+ 3.7%		
Average Annual Severity Trend ( 8 yr)				+ 4.7%		
Average Annual Severity Trend ( 6 yr)				+ 4.8%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B- Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND  
MULTISTATE  
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 <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
				6/30/2007	\$ 29,714,227	628
12/31/2007	27,037,087	655	41,278	58,899		
6/30/2008	25,603,354	577	44,373	59,715		
12/31/2008	26,005,004	518	50,203	60,542		
6/30/2009	34,551,314	545	63,397	61,380	\$ 82,610	
12/31/2009	42,602,855	567	75,137	62,230	81,206	
6/30/2010	43,562,847	600	72,605	63,092	79,825	
12/31/2010	36,654,233	573	63,969	63,966	78,469	
6/30/2011	44,263,306	520	85,122	64,852	77,135	\$ 99,440
12/31/2011	50,258,287	482	104,270	65,750	75,824	94,250
6/30/2012	37,498,123	406	92,360	66,661	74,535	89,331
12/31/2012	34,417,659	386	89,165	67,584	73,268	84,668
6/30/2013	34,183,413	417	81,975	68,520	72,023	80,249
12/31/2013	37,904,352	459	82,580	69,469	70,799	76,061
6/30/2014	38,335,624	493	77,760	70,432	69,596	72,091
12/31/2014	30,868,082	549	56,226	71,407	68,413	68,328
6/30/2015	37,231,093	613	60,736	72,396	67,250	64,762
12/31/2015	45,205,131	756	59,795	73,399	66,107	61,382
6/30/2016	45,426,073	789	57,574	74,415	64,984	58,178
12/31/2016	46,808,427	779	60,088	75,446	63,879	55,142
Goodness of Fit Statistic, R-Squared:				0.100	0.181	0.802
Average Annual Severity Trend (10 yr)				+ 2.8%		
Average Annual Severity Trend ( 8 yr)				- 3.4%		
Average Annual Severity Trend ( 6 yr)				-10.2%		
Selected Annual Severity Trend				+ 3.5%		

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

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

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>
12/31/2003	\$ 661,838,306	28,358	42.85
12/31/2004	723,350,678	28,545	39.46
12/31/2005	747,425,073	28,478	38.10
12/31/2006	790,718,343	29,093	36.79
12/31/2007	808,352,975	29,831	36.90
12/31/2008	857,465,581	31,255	36.45
12/31/2009	814,627,348	29,767	36.54
12/31/2010	801,583,149	31,028	38.71
12/31/2011	824,776,128	30,847	37.40
12/31/2012	824,923,763	29,279	35.49
12/31/2013	818,870,360	28,645	34.98
12/31/2014	837,764,175	29,683	35.43
12/31/2015	862,324,915	28,690	33.27
12/31/2016	861,588,566	27,802	32.27

Selected Annual Frequency Trend: - 0.5%

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

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

PREMISES/OPERATIONS  
OWNERS, LANDLORDS AND TENANTS

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

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate <sup>1</sup>	(4) Occurrence Frequency <u>(3)/(2)<sup>2</sup></u>
12/31/2003	\$ 737,968,691	34,086	46.19
12/31/2004	795,522,186	34,042	42.79
12/31/2005	851,747,326	32,167	37.77
12/31/2006	854,182,822	29,799	34.89
12/31/2007	909,386,430	31,829	35.00
12/31/2008	1,010,914,241	32,919	32.56
12/31/2009	1,068,127,669	32,576	30.50
12/31/2010	1,121,592,009	33,377	29.76
12/31/2011	1,145,956,224	32,432	28.30
12/31/2012	1,148,472,213	28,485	24.80
12/31/2013	1,133,251,271	29,221	25.79
12/31/2014	1,147,084,204	29,258	25.51
12/31/2015	1,202,305,663	28,494	23.70
12/31/2016	1,250,915,007	27,141	21.70

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

<u>CLASS GROUP 01</u>	<u>CLASS GROUP 03</u>	12805	18335
10100      1.03	10026      1.24	12841      1.03	18437      1.00 *
10146      0.46	10042      0.71	12927      0.18	18438      1.92
10352      0.60	10060      0.34	13314      0.23	18507      0.36
11258      1.24	10065      0.51	13351      0.56	18570      3.76
11259      1.33	10066      0.52	13352      0.57	18708      0.22
11288      1.52	10071      0.61	13506      1.76	18834      0.57
13111      1.15	10101      0.46	13507      2.12	18911      1.80
13673      0.94	10105      4.98	13716      0.87	18912      3.39
13720      0.53	10113      0.69	13759      0.34	18920      0.88
14401      1.25	10115      1.37	14068      0.075	19795      0.59
15224      0.56	10130      6.79	14101      0.88	19796      0.69
18435      1.09	10132      5.85	14655      0.17	41510      90.50
18436      0.88	10150      0.95	14733      1.19	45900      0.21
18501      1.00 *	10151      23.92	14734      0.51	45901      0.18
<u>CLASS GROUP 02</u>	10160      4.26	14913      0.64	48808      3.10
16900      1.95	10204      0.43	15314      0.41	49111      4.74
16901      1.25	10205      0.48	15538      0.73	<u>CLASS GROUP 04</u>
16902      1.06	10220      9.04	15600      1.84	10133      12.18
16905      2.05	10309      0.31	15608      0.41	11052      12.67
16906      1.31	10315      0.73	15656      12.11	11167      2.92
16906      1.31	11020      0.58	15839      0.55	11168      15.14
16910      1.17	11126      0.12	15991      0.45	14731      12.57
16911      1.06	11155      0.41	15993      0.38	14732      0.93
16915      1.20	11204      0.60	16402      2.72	15123      12.15
16916      1.00 *	11234      0.54	16403      1.72	15124      4.25
16920      2.66	11273      26.77	16404      2.17	19007      4.75
16921      2.43	11274      25.69	16676      0.57	19051      10.53
16930      1.53	12356      2.27	16750      0.20	44009      14.81
16931      1.65	12374      1.18	16751      0.20	49617      1.00 *
16940      3.32	12375      0.58	16881      3.13	49618      0.84
16941      1.33	12393      0.77	18109      0.75	49619      1.58
	12467      0.32	18110      0.60	49763      10.26
		18206      0.97	

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

\*Base Class

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

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

\*Base Class

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







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

<u>CLASS GROUP 34 (cont'd)</u>	<u>CLASS GROUP 35</u>	<u>CLASS GROUP 36</u>	<u>CLASS GROUP 37</u>
15406      1.35	51300      0.91	59647      1.34	51752      4.54
15488      3.37	51305      0.91	59773      0.17	51796      1.96
15733      0.88	51350      1.53	59774      0.14	51808      6.97
16009      1.08	51351      1.37	59775      0.18	51809      8.65
16588      0.50	51352      1.88	59889      0.56	51869      2.31
16604      0.84	51355      1.28		51877      13.01
16694      1.66	51356      1.38		51889      2.14
16819      4.78	51575      0.41	50010      5.03	51896      1.00 *
16820      3.70	51666      0.65	50015      3.27	51919      2.16
16890      0.56	51767      0.19	50017      2.49	51926      2.20
16891      0.61	51777      0.66	50045      5.69	51927      1.19
16892      1.11	51790      1.10	50047      0.64	51934      2.41
18506      1.76	51833      0.99	51201      0.86	51941      2.19
18616      1.34	51900      0.74	51205      2.62	51942      3.50
45380      1.03	51833      0.99	51206      0.41	51956      9.45
45771      1.57	51900      0.74	51240      10.34	51957      8.33
45819      0.51	52315      0.86	51241      30.72	51958      7.40
49239      0.77	52744      3.79	51251      0.89	51959      7.58
51315      0.50	53374      1.00 *	51252      3.12	51960      1.00
51357      0.71	53375      0.53	51253      2.66	51970      4.35
51358      1.71	53376      0.85	51254      0.83	51982      1.28
51359      1.50	53377      0.87	51340      0.85	51986      5.03
59925      1.54	53403      0.55	51370      10.10	51999      2.12
59926      1.31	53565      0.64	51380      1.01	52002      1.86
59927      0.88	55371      2.55	51500      1.91	52109      0.47
	55802      0.66	51550      2.36	52134      6.23
	56488      1.10	51551      0.82	52150      11.47
	56690      0.57	51552      1.42	52402      0.47
	57403      1.35	51553      2.53	52432      2.33
	58020      1.45	51554      0.24	52433      2.13
	58713      0.42	51576      4.54	52435      2.67
	59188      2.88	51600      3.09	52438      1.93
	59189      3.95	51613      2.04	52440      3.03
	59482      3.00	51741      5.38	52467      2.80

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

<u>CLASS GROUP 36 (cont'd)</u>		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	<u>0.30</u>	57411	<u>0.28</u>
		52342	<u>0.87</u>	57611	<u>0.60</u>
48636	<u>10.49</u>	52343	<u>0.53</u>	57690	<u>0.78</u>
51001	<u>0.36</u>	52401	<u>1.64</u>	57716	<u>0.37</u>
51005	<u>0.074</u>	52547	<u>1.42</u>	57725	<u>0.81</u>
51116	<u>0.91</u>	52767	<u>1.30</u>	57726	<u>0.63</u>
51210	<u>0.63</u>	53147	<u>0.22</u>	57808	<u>0.31</u>
51220	<u>2.16</u>	53229	<u>1.23</u>	57809	<u>0.32</u>
51221	<u>1.20</u>	53333	<u>1.21</u>	57810	<u>0.31</u>
51222	<u>1.46</u>	53425	<u>1.14</u>	57871	<u>0.37</u>
51224	<u>1.53</u>	53803	<u>2.72</u>	57999	<u>0.51</u>
51230	<u>0.26</u>	55013	<u>1.03</u>	58009	<u>0.51</u>
51250	<u>1.66</u>	55426	<u>1.25</u>	58301	<u>0.39</u>
51255	<u>4.21</u>	55717	<u>1.65</u>	58663	<u>2.57</u>
51330	<u>0.64</u>	55718	<u>1.60</u>	58756	<u>0.48</u>
51333	<u>0.21</u>	56170	<u>1.12</u>	58813	<u>1.18</u>
51400	<u>1.50</u>	56171	<u>0.55</u>	58837	<u>2.37</u>
51401	<u>2.21</u>	56567	<u>1.16</u>	58840	<u>0.71</u>
51625	<u>0.33</u>	56650	<u>3.55</u>	58873	<u>1.13</u>
51702	<u>0.99</u>	56651	<u>1.93</u>	58922	<u>1.88</u>
51703	<u>0.41</u>	56652	<u>1.38</u>	59223	<u>1.17</u>
51734	<u>0.77</u>	56653	<u>1.33</u>	59378	<u>0.76</u>
51850	<u>1.55</u>	56654	<u>0.68</u>	59537	<u>0.82</u>
51851	<u>1.05</u>	56911	<u>1.00</u> *	59750	<u>0.61</u>
51852	<u>2.46</u>	56912	<u>0.81</u>	59751	<u>0.22</u>
51853	<u>0.99</u>	56913	<u>0.66</u>	59781	<u>0.53</u>
51854	<u>2.22</u>	56915	<u>3.91</u>	59782	<u>0.79</u>
51855	<u>2.33</u>	56916	<u>3.53</u>	59783	<u>0.77</u>
51856	<u>1.28</u>	56917	<u>1.02</u>	59784	<u>0.59</u>
51857	<u>2.19</u>	56918	<u>0.49</u>	59798	<u>2.01</u>
51909	<u>1.40</u>	56919	<u>1.25</u>	59806	<u>1.44</u>
52075	<u>1.22</u>	56920	<u>1.14</u>	59892	<u>0.77</u>
52076	<u>1.47</u>	57090	<u>1.83</u>	59904	<u>0.52</u>
52137	<u>0.48</u>	57146	<u>1.16</u>	59915	<u>1.73</u>

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

\*Base Class

<u>CLASS GROUP 38</u>		46622	10.69		53905	(a)	98158	(a)
		47050	1.00	*	53951	(a)	98162	(a)
10072	4.39	47367	0.25		53952	(a)	98428	(a)
10367	3.88	49005	0.17		53953	(a)	98430	(a)
10368	5.67	49840	1.03		54444	(a)	98622	(a)
11007	1.65	51516	0.075		55014	(a)	98623	(a)
11201	14.44	51517	0.085		55410	(a)	98698	(a)
11202	4.27	51985	0.070		58561	(a)	98871	(a)
11206	0.67	52660	0.089		59695	(a)	99081	(a)
11207	8.46	53734	0.45		91210	(a)	99082	(a)
11208	1.45	54012	0.045		91280	(a)	99083	(a)
11209	6.81	57997	0.10		91325	(a)	99084	(a)
11210	2.90	58408	0.059		91581	(a)	99085	(a)
11211	15.07	58409	0.075		91582	(a)	99160	(a)
11212	2.28	58456	0.040		91583	(a)	99221	(a)
11213	1.86	58457	0.058		91584	(a)	99445	(a)
11214	4.58	58458	0.075		91585	(a)	99798	(a)
11222	0.077	58459	0.09		91586	(a)	99803	(a)
14405	0.97				91587	(a)	99986	(a)
15070	0.13				91588	(a)	99987	(a)
15607	0.17				91589	(a)		
15699	0.42	11205	(a)		91591	(a)		
16471	0.24	13206	(a)		91618	(a)		
41620	1.21	13207	(a)		94444	(a)		
41677	0.25	13411	(a)		94638	(a)		
41696	0.79	15060	(a)		95358	(a)		
41697	0.55	15061	(a)		95630	(a)		
43470	4.60	18575	(a)		95648	(a)		
43822	3.66	41675	(a)		96703	(a)		
43840	0.045	41679	(a)		96930	(a)		
43860	2.88	44010	(a)		97002	(a)		
43889	1.03	51211	(a)		97003	(a)		
44280	0.25	52876	(a)		97221	(a)		
45678	0.27	53901	(a)		98150	(a)		
		53902	(a)		98151	(a)		
		53903	(a)		98156	(a)		
		53904	(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		UNALLOCATED LOSS ADJ. FACTOR X	SEVERITY TREND X	FREQUENCY TREND	=	BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
			BASIC LIMIT LOSSES AND ALAE*	BASIC LIMIT DEVELOPMENT FACTOR X					
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		UNALLOCATED LOSS ADJ. FACTOR X	SEVERITY TREND X	FREQUENCY TREND	=	BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
			BASIC LIMIT LOSSES AND ALAE*	BASIC LIMIT DEVELOPMENT FACTOR X					
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	Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>
12/31/2014			1.000
12/31/2015		0.999	1.000
12/31/2016	1.017	0.999	1.000

## MULTISTATE PRODUCTS LOSS DEVELOPMENT DATA

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	10,683,172	15,373,635	18,708,359	20,483,563	20,399,282	20,506,084	20,551,412	20,792,226	21,939,826	21,728,814	21,944,855
12/31/1998	6,536,565	11,619,157	16,112,006	17,263,785	16,566,972	16,240,124	16,703,835	17,869,715	17,830,499	18,068,333	18,117,453
12/31/1999	8,023,675	13,515,621	17,514,442	20,208,197	20,324,209	20,305,368	20,181,222	19,775,924	20,298,906	20,533,236	20,373,584
12/31/2000	7,770,132	11,067,182	14,727,768	16,706,980	16,380,419	16,231,969	16,901,439	16,268,989	16,166,444	16,274,945	16,177,956
12/31/2001	8,431,596	12,759,813	16,488,397	17,236,357	18,051,483	17,668,130	17,964,183	18,330,784	18,000,514	17,847,202	18,167,384
12/31/2002	7,249,176	11,218,596	15,084,629	16,878,783	16,374,186	15,480,140	15,237,862	15,001,330	14,996,471	15,024,542	15,314,641
12/31/2003	7,525,041	12,460,199	15,318,957	15,982,639	15,271,559	14,594,803	14,302,535	14,766,813	15,085,645	15,274,756	15,245,236
12/31/2004	7,408,812	11,425,242	15,008,123	16,761,754	16,171,517	14,987,670	14,986,380	14,865,828	15,227,640	15,339,820	15,341,398
12/31/2005	9,153,300	10,943,559	14,255,893	14,014,929	14,321,349	14,388,998	14,216,860	14,443,703	14,213,223	14,138,197	14,091,474
12/31/2006	8,268,452	13,161,254	17,375,269	17,630,367	16,964,512	17,219,609	17,136,211	17,343,718	17,597,982	17,542,815	17,184,585
12/31/2007	10,005,711	15,550,581	19,082,331	19,983,307	19,869,684	20,022,632	19,506,827	19,508,378	19,290,304	19,184,602	
12/31/2008	9,941,273	14,699,982	17,664,017	18,384,399	20,090,720	18,710,814	18,493,939	18,312,768	18,344,275		
12/31/2009	11,633,475	14,679,608	17,440,121	17,454,242	17,265,361	17,298,123	17,152,362	17,234,185			
12/31/2010	11,724,566	16,063,050	17,662,078	18,165,680	18,266,215	16,881,134	16,632,381				
12/31/2011	9,661,001	13,099,428	16,282,520	16,477,279	15,821,069	15,609,735					
12/31/2012	9,618,139	14,298,628	18,361,789	18,618,637	18,827,184						
12/31/2013	7,274,236	11,030,675	15,105,561	16,054,057							
12/31/2014	8,059,071	11,190,698	14,790,714								
12/31/2015	7,800,188	10,456,467									
12/31/2016	6,818,393										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1997	21,980,652	21,650,878	21,524,069	21,635,784	21,683,498	21,638,481	21,760,133	21,731,288	21,757,890		
12/31/1998	17,843,070	17,835,748	17,996,232	18,125,298	18,150,555	18,372,023	18,400,626	18,511,736			
12/31/1999	20,305,650	20,202,253	20,301,026	20,536,651	21,268,057	21,469,385	21,522,933				
12/31/2000	16,188,983	16,340,943	16,391,130	16,588,633	16,831,765	16,881,748					
12/31/2001	18,485,456	18,588,582	18,816,594	19,144,048	19,083,071						
12/31/2002	15,781,302	15,464,739	15,579,518	15,256,186							
12/31/2003	15,262,074	15,436,455	15,357,011								
12/31/2004	15,209,493	15,099,484									
12/31/2005	13,983,567										

PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.439	1.217	1.095	0.996	1.005	1.002	1.012	1.055	0.990	1.010	1.002
12/31/1998	1.778	1.387	1.071	0.960	0.980	1.029	1.070	0.998	1.013	1.003	0.985
12/31/1999	1.684	1.296	1.154	1.006	0.999	0.994	0.980	1.026	1.012	0.992	0.997
12/31/2000	1.424	1.331	1.134	0.980	0.991	1.041	0.963	0.994	1.007	0.994	1.001
12/31/2001	1.513	1.292	1.045	1.047	0.979	1.017	1.020	0.982	0.991	1.018	1.018
12/31/2002	1.548	1.345	1.119	0.970	0.945	0.984	0.984	1.000	1.002	1.019	1.030
12/31/2003	1.656	1.229	1.043	0.956	0.956	0.980	1.032	1.022	1.013	0.998	1.001
12/31/2004	1.542	1.314	1.117	0.965	0.927	1.000	0.992	1.024	1.007	1.000	0.991
12/31/2005	1.196	1.303	0.983	1.022	1.005	0.988	1.016	0.984	0.995	0.997	0.992
12/31/2006	1.592	1.320	1.015	0.962	1.015	0.995	1.012	1.015	0.997	0.980	
12/31/2007	1.554	1.227	1.047	0.994	1.008	0.974	1.000	0.989	0.995		
12/31/2008	1.479	1.202	1.041	1.093	0.931	0.988	0.990	1.002			
12/31/2009	1.262	1.188	1.001	0.989	1.002	0.992	1.005				
12/31/2010	1.370	1.100	1.029	1.006	0.924	0.985					
12/31/2011	1.356	1.243	1.012	0.960	0.987						
12/31/2012	1.487	1.284	1.014	1.011							
12/31/2013	1.516	1.369	1.063								
12/31/2014	1.389	1.322									
12/31/2015	1.341										
3 Yr Mean	1.415	1.325	1.030	0.992	0.971	0.988	0.998	1.002	0.996	0.992	0.995
Best 3/5	1.411	1.283	1.018	1.002	0.973	0.988	1.006	1.002	1.000	0.998	1.004

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

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

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

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

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	857,471	1,096,399	1,318,331	1,536,964	1,777,769	1,909,020	1,962,570	1,973,070	1,977,109	2,110,930	1,996,441
12/31/1998	533,067	990,732	1,375,623	1,430,484	1,488,729	1,417,757	1,358,506	1,357,798	1,416,476	1,337,074	1,337,075
12/31/1999	499,691	684,095	962,281	1,209,567	1,327,393	1,200,508	1,519,661	1,355,355	1,344,023	1,270,122	1,393,595
12/31/2000	882,834	1,092,378	1,453,090	1,749,080	1,689,261	1,676,463	1,833,017	1,897,054	1,974,421	1,860,885	1,989,880
12/31/2001	506,813	1,031,350	1,420,172	1,822,482	1,597,318	1,792,618	2,107,687	2,072,547	2,111,120	2,028,185	2,049,083
12/31/2002	563,001	1,110,666	1,584,240	1,512,328	1,822,546	1,820,279	1,893,928	1,718,005	1,666,078	1,669,973	1,667,628
12/31/2003	638,864	916,783	958,041	1,779,977	1,519,336	1,481,000	1,535,514	1,527,017	1,529,492	1,535,140	1,537,251
12/31/2004	1,261,188	1,563,906	2,417,227	2,777,323	2,776,409	2,650,423	2,512,394	2,582,831	2,581,636	2,583,100	2,597,391
12/31/2005	893,932	1,205,397	1,975,626	2,039,457	1,462,671	1,461,365	1,499,228	1,432,397	1,329,908	1,325,483	1,329,974
12/31/2006	1,362,302	2,062,061	2,406,395	2,223,933	1,963,162	1,895,588	1,928,997	1,976,444	1,876,527	1,881,029	1,908,587
12/31/2007	1,781,882	2,342,635	2,225,250	2,535,444	2,599,309	2,134,228	2,140,655	2,247,232	2,251,643	2,276,632	
12/31/2008	1,138,142	1,545,957	1,964,461	2,056,873	2,123,092	2,173,719	2,289,233	2,261,703	2,186,705		
12/31/2009	918,066	1,175,956	1,369,211	1,533,576	1,766,190	1,912,731	1,857,492	1,852,494			
12/31/2010	1,171,857	1,971,906	2,121,592	2,177,484	2,308,851	2,506,088	2,458,750				
12/31/2011	1,250,885	1,766,129	2,171,567	1,883,862	1,859,271	1,864,053					
12/31/2012	1,038,711	1,466,000	1,991,731	1,831,533	1,698,782						
12/31/2013	853,052	1,249,105	1,387,865	1,658,327							
12/31/2014	899,810	1,727,643	2,060,618								
12/31/2015	925,729	1,421,526									
12/31/2016	1,000,423										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1997	1,994,907	2,009,893	1,957,511	1,958,361	1,979,723	1,963,169	1,989,238	1,989,238	1,989,238		
12/31/1998	1,348,006	1,337,277	1,394,005	1,395,231	1,395,198	1,395,198	1,395,198	1,398,198			
12/31/1999	1,427,496	1,677,295	1,616,737	1,533,829	1,542,618	1,529,540	1,529,540				
12/31/2000	2,042,003	2,022,232	2,138,662	2,174,421	2,164,969	2,253,350					
12/31/2001	2,071,357	2,033,107	2,042,961	2,040,199	2,036,200						
12/31/2002	1,667,628	1,668,258	1,693,607	1,696,308							
12/31/2003	1,537,267	1,537,369	1,540,071								
12/31/2004	2,593,315	2,596,017									
12/31/2005	1,332,682										

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.279	1.202	1.166	1.157	1.074	1.028	1.005	1.002	1.068	0.946	0.999
12/31/1998	1.859	1.388	1.040	1.041	0.952	0.958	0.999	1.043	0.944	1.000	1.008
12/31/1999	1.369	1.407	1.257	1.097	0.904	1.266	0.892	0.992	0.945	1.097	1.024
12/31/2000	1.237	1.330	1.204	0.966	0.992	1.093	1.035	1.041	0.942	1.069	1.026
12/31/2001	2.035	1.377	1.283	0.876	1.122	1.176	0.983	1.019	0.961	1.010	1.011
12/31/2002	1.973	1.426	0.955	1.205	0.999	1.040	0.907	0.970	1.002	0.999	1.000
12/31/2003	1.435	1.045	1.858	0.854	0.975	1.037	0.994	1.002	1.004	1.001	1.000
12/31/2004	1.240	1.546	1.149	1.000	0.955	0.948	1.028	1.000	1.001	1.006	0.998
12/31/2005	1.348	1.639	1.032	0.717	0.999	1.026	0.955	0.928	0.997	1.003	1.002
12/31/2006	1.514	1.167	0.924	0.883	0.966	1.018	1.025	0.949	1.002	1.015	
12/31/2007	1.315	0.950	1.139	1.025	0.821	1.003	1.050	1.002	1.011		
12/31/2008	1.358	1.271	1.047	1.032	1.024	1.053	0.988	0.967			
12/31/2009	1.281	1.164	1.120	1.152	1.083	0.971	0.997				
12/31/2010	1.683	1.076	1.026	1.060	1.085	0.981					
12/31/2011	1.412	1.230	0.868	0.987	1.003						
12/31/2012	1.411	1.359	0.920	0.928							
12/31/2013	1.464	1.111	1.195								
12/31/2014	1.920	1.193									
12/31/2015	1.536										
3 Yr Mean	1.640	1.221	0.994	0.992	1.057	1.002	1.012	0.973	1.003	1.008	1.000
Best 3/5	1.471	1.178	1.022	1.026	1.037	1.001	1.003	0.972	1.002	1.003	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.008	0.974	1.000	1.011	0.992	1.013	1.000	1.000			
12/31/1998	0.992	1.042	1.001	1.000	1.000	1.000	1.002	1.000 *			
12/31/1999	1.175	0.964	1.049	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

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	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

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>
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												

A.Y.E	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	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.	Link Ratios						
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1997	1.003	1.008	1.014	1.007	1.012	1.004	1.004 *
12/31/1998	1.008	1.025	1.007	1.002	1.005	1.005 *	1.004 *
12/31/1999	1.054	1.035	1.023	1.019	1.007 *	1.005 *	1.004 *
12/31/2000	1.006	1.010	1.008	1.010 *	1.007 *	1.005 *	1.004 *
12/31/2001	1.014	1.010	1.015 *	1.010 *	1.007 *	1.005 *	1.004 *
12/31/2002	0.969						
Best 3/5	1.009	1.015	1.012 *	1.009 *	1.007 *	1.005 *	1.004 *

171 to Ultimate Factor: 1.063

Months-to-Ultimate	Cumulative Incremental Factors						
	15	27	39	51	63	75	87
	0.591	0.476	0.327	0.205	0.126	0.086	0.074
Months-to-Ultimate	99	111	123	135	147	159	171
	0.065	0.057	0.029	0.021	0.014	0.007	0.000

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:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	11,433,780	14,521,128	16,653,693	18,600,893	18,708,737	18,067,783	18,417,606	19,661,388	19,597,968	19,350,478	19,596,637
12/31/1998	9,526,550	13,668,593	14,898,423	15,178,946	16,236,009	17,131,129	18,656,709	17,426,150	17,625,215	18,510,390	18,784,024
12/31/1999	9,646,153	12,424,001	14,342,876	16,131,628	15,552,684	16,781,246	16,628,635	17,788,350	18,561,461	18,867,153	18,909,585
12/31/2000	10,022,573	13,601,797	15,480,939	16,417,496	18,138,490	19,058,032	20,069,708	20,861,260	21,198,955	21,502,900	21,516,086
12/31/2001	11,985,741	15,342,866	19,515,630	20,647,776	20,485,120	21,289,161	22,540,330	22,451,321	22,886,926	23,124,689	23,490,388
12/31/2002	9,712,129	15,108,615	18,237,432	17,585,240	17,738,527	18,928,070	19,339,562	19,625,217	19,886,143	20,142,261	20,686,810
12/31/2003	11,517,082	13,589,218	15,849,377	17,229,172	18,895,955	20,208,454	20,616,683	21,094,307	21,634,862	21,995,105	22,116,082
12/31/2004	10,425,745	12,622,341	14,141,938	14,670,319	16,053,631	16,106,318	16,546,158	16,949,321	17,102,835	17,484,512	17,709,444
12/31/2005	12,213,405	14,748,883	15,159,359	15,697,249	15,948,807	16,713,435	16,591,186	17,672,041	17,687,721	18,351,744	18,689,063
12/31/2006	13,853,249	15,615,864	16,821,762	17,194,192	18,373,528	18,744,432	19,488,918	21,421,244	22,090,881	21,924,526	22,084,554
12/31/2007	18,896,743	21,361,568	22,503,923	22,660,647	24,030,099	24,909,926	26,299,363	27,042,838	27,255,581	28,015,481	
12/31/2008	17,994,067	21,467,864	23,153,634	24,438,207	25,202,010	26,309,182	27,034,242	27,552,983	28,030,509		
12/31/2009	21,011,525	23,717,379	25,278,133	25,471,806	25,786,749	26,428,548	26,197,032	26,950,828			
12/31/2010	19,746,552	22,605,193	24,140,583	24,636,499	24,770,247	25,520,163	25,585,132				
12/31/2011	16,572,177	18,461,300	19,296,487	20,885,088	21,246,114	21,877,005					
12/31/2012	17,691,636	18,989,614	20,731,657	23,228,418	23,711,312						
12/31/2013	16,400,132	19,260,151	20,611,873	20,879,560							
12/31/2014	15,674,069	17,890,118	19,458,441								
12/31/2015	15,925,566	17,780,406									
12/31/2016	15,919,724										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1997	19,407,640	19,630,877	19,470,574	19,543,864	19,399,841	19,454,687	19,512,126	19,511,126	19,488,849		
12/31/1998	19,047,848	19,297,412	19,294,430	19,259,165	19,182,362	19,204,241	19,204,140	19,179,141			
12/31/1999	18,762,473	18,652,883	18,746,287	18,716,815	18,745,030	18,871,522	18,875,400				
12/31/2000	21,286,092	21,431,753	21,280,634	21,266,991	21,268,382	21,267,010					
12/31/2001	23,491,934	23,316,441	23,225,470	23,279,844	23,233,695						
12/31/2002	20,777,571	20,892,108	20,938,830	21,043,009							
12/31/2003	22,634,676	22,433,754	22,393,841								
12/31/2004	17,912,709	17,849,772									
12/31/2005	18,552,585										

PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.270	1.147	1.117	1.006	0.966	1.019	1.068	0.997	0.987	1.013	0.990
12/31/1998	1.435	1.090	1.019	1.070	1.055	1.089	0.934	1.011	1.050	1.015	1.014
12/31/1999	1.288	1.154	1.125	0.964	1.079	0.991	1.070	1.043	1.016	1.002	0.992
12/31/2000	1.357	1.138	1.060	1.105	1.051	1.053	1.039	1.016	1.014	1.001	0.989
12/31/2001	1.280	1.272	1.058	0.992	1.039	1.059	0.996	1.019	1.010	1.016	1.000
12/31/2002	1.556	1.207	0.964	1.009	1.067	1.022	1.015	1.013	1.013	1.027	1.004
12/31/2003	1.180	1.166	1.087	1.097	1.069	1.020	1.023	1.026	1.017	1.006	1.023
12/31/2004	1.211	1.120	1.037	1.094	1.003	1.027	1.024	1.009	1.022	1.013	1.011
12/31/2005	1.208	1.028	1.035	1.016	1.048	0.993	1.065	1.001	1.038	1.018	0.993
12/31/2006	1.127	1.077	1.022	1.069	1.020	1.040	1.099	1.031	0.992	1.007	
12/31/2007	1.130	1.053	1.007	1.060	1.037	1.056	1.028	1.008	1.028		
12/31/2008	1.193	1.079	1.055	1.031	1.044	1.028	1.019	1.017			
12/31/2009	1.129	1.066	1.008	1.012	1.025	0.991	1.029				
12/31/2010	1.145	1.068	1.021	1.005	1.030	1.003					
12/31/2011	1.114	1.045	1.082	1.017	1.030						
12/31/2012	1.073	1.092	1.120	1.021							
12/31/2013	1.174	1.070	1.013								
12/31/2014	1.141	1.088									
12/31/2015	1.116										
3 Yr Mean	1.144	1.083	1.072	1.014	1.028	1.007	1.025	1.019	1.019	1.013	1.009
Best 3/5	1.124	1.075	1.039	1.017	1.032	1.024	1.041	1.011	1.022	1.013	1.005

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.012	0.992	1.004	0.993	1.003	1.003	1.000	0.999
12/31/1998	1.013	1.000	0.998	0.996	1.001	1.000	0.999	1.001 *
12/31/1999	0.994	1.005	0.998	1.002	1.007	1.000	1.001 *	1.001 *
12/31/2000	1.007	0.993	0.999	1.000	1.000	1.001 *	1.001 *	1.001 *
12/31/2001	0.993	0.996	1.002	0.998	0.998 *	1.001 *	1.001 *	1.001 *
12/31/2002	1.006	1.002	1.005					
12/31/2003	0.991	0.998						
12/31/2004	0.996							
3 Yr Mean	0.998	0.999	1.002	1.000	1.003 @	1.001 @	1.000 @	0.999 @
Best 3/5	0.998	0.999	1.000	0.998	1.001 *	1.001 *	1.001 *	1.001 *

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/Ult	FACTORS
12/31/2012	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.111
12/31/2013	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.146
12/31/2014	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.136
12/31/2015	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.189
12/31/2016	0.993	0.997	0.998	0.999	1.000	1.000	1.000	1.000	1.000*	1.263

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

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

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	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	<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	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

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>
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												

A.Y.E	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	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						
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1997	1.000	1.000	1.002	1.001	1.000	1.001	1.000 *
12/31/1998	0.995	1.002	1.000	1.000	1.000	1.000 *	1.000 *
12/31/1999	0.996	1.006	0.996	1.001	1.000 *	1.000 *	1.000 *
12/31/2000	0.997	1.011	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2001	1.003	1.000	1.003 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.007						
Best 3/5	0.999	1.003	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.003

Months-to-Ultimate	Cumulative Incremental Factors						
	15	27	39	51	63	75	87
	0.679	0.594	0.493	0.380	0.306	0.244	0.209
Months-to-Ultimate	99	111	123	135	147	159	171
	0.159	0.115	0.075	0.048	0.021	0.010	0.000

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

CHANGE IN EXPOSURES	PRODUCTS
7/1/2014 to 7/1/2019	(2019:4/2014:4) 1.067
7/1/2015 to 7/1/2019	(2019:4/2015:4) 1.063
7/1/2016 to 7/1/2019	(2019:4/2016:4) 1.063
<b>AVERAGE ANNUAL TREND FACTOR</b>	
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 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	\$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  
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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)
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

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

SUBLINE: PRODUCTS

CLASS GROUP: 05

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.023 \* .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  
 N - NOT SUBJECT TO CAPPING  
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

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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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 U - CAPPED UP  
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 E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 07

NUMBER OF YEARS OF DATA USED: 5

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

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  
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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	EXPOSURE DEVELOPMENT FACTOR+	EXPOSURE TREND#	AVERAGE IPMF*	TRENDED \$100,000
		BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL				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	\$208,191,535	1.000	1.136	0.989	\$233,904,022
	12/31/2015	219,645,394	1.000	1.115	0.991	242,700,473
	12/31/2016	226,977,219	1.022	1.085	0.994	250,178,099
TOTAL	12/31/2014					\$331,634,502
	12/31/2015					344,277,299
	12/31/2016					360,217,491

+ 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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT			UNALLOCATED LOSS ADJ. FACTOR	SEVERITY TREND	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE			
			LOSSES AND ALAE*	X	BASIC LIMIT DEVELOPMENT FACTOR#						X		
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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000						=	\$100,000
			BASIC LIMIT LOSSES	BASIC LIMIT DEVELOPMENT X FACTOR	UNALLOCATED LOSS ADJ. X FACTOR	SEVERITY X TREND	FREQUENCY X TREND	BASIC LIMIT DEVELOPED & TRENDED LOSS 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.

NORTH DAKOTA

Local Products/Completed Operations  
 Subline Code 336  
 Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Not Applicable	--
32	Not Applicable	--
33	Not Applicable	--
34	Mercantile Policy	0.659
35	Not Applicable	--
36	Service Policy	1.125
37	Industrial/Processing Policy	0.681
38	Contractors Policy	0.836

(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.

NORTH DAKOTA

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	1.063	0.6761	1.050	6,000,000
27 to 39 Months	1.000	0.997	0.4374	0.999	15,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2014			1.000		1.000
12/31/2015		0.999	1.000		0.999
12/31/2016	1.050	0.999	1.000		1.049

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

NORTH DAKOTA  
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2009	1,983,344	2,074,173	2,073,153	2,072,854	2,072,877	2,072,877	2,072,877	2,072,877
12/31/2010	2,116,802	2,235,280	2,234,533	2,235,055	2,235,055	2,235,055	2,235,055	2,235,055
12/31/2011	2,397,565	2,628,411	2,623,525	2,616,011	2,616,011	2,616,011	2,616,011	
12/31/2012	2,965,893	3,196,780	3,174,994	3,174,994	3,178,033			
12/31/2013	3,643,150	3,856,841	3,856,490	3,854,121				
12/31/2014	4,384,464	4,610,139	4,583,549					
12/31/2015	4,496,372	4,538,547						
12/31/2016	3,509,317							

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	1.046	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2010	1.056	1.000	1.000	1.000	1.000	1.000	
12/31/2011	1.096	0.998	0.997	1.000	1.000		
12/31/2012	1.078	0.993	1.000	1.001			
12/31/2013	1.059	1.000	0.999				
12/31/2014	1.051	0.994					
12/31/2015	1.009						
12/31/2016							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.063	0.997

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  
27:15  
1.023      39:27  
1.000

LOCAL PRODUCTS/COMPLETED OPERATIONS LOSS DEVELOPMENT DATA  
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LOCAL PRODUCTS

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NORTH DAKOTA

Completed Operations  
Bodily Injury  
Full Coverage  
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.797	1.000	0.1111	1.708	400,000
27 to 39 Months	1.387	1.000	0.2471	1.291	410,000
39 to 51 Months	1.077	1.000	0.3112	1.053	430,000
51 to 63 Months	1.018	1.000	0.0000	1.018	450,000
63 to 75 Months	1.005	1.000	0.0000	1.005	480,000
75 to 87 Months	0.986	1.000	0.0000	0.986	510,000
87 to 99 Months	0.999	1.000	0.1074	0.999	540,000
99 to 111 Months	0.997	1.000	0.1257	0.997	560,000
111 to 123 Months	1.000	1.000	0.0895	1.000	590,000
123 to 135 Months	1.002	1.000	0.2456	1.002	620,000
135 to 147 Months	1.000	1.000	0.2365	1.000	650,000
147 to 159 Months	1.003	1.000	0.1774	1.002	690,000
159 to 171 Months	1.002	1.000	0.0136	1.002	730,000
171 to 183 Months	1.001	1.000	0.0163	1.001	770,000
183 to 195 Months	1.000	1.000	0.0228	1.000	810,000
195 to 207 Months	1.000	1.000	0.0206	1.000	860,000
207 to 219 Months	1.000	1.000	0.0204	1.000	900,000
219 to 231 Months	1.000	1.000	0.0079	1.000	950,000
231 to 243 Months	1.000	1.000	0.0033	1.000	1,000,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										Factor	
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123		147:135
12/31/2014			1.053	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000	
12/31/2015		1.291	1.053	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000	
12/31/2016	1.708	1.291	1.053	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000	
		<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>ULT:243</u>		
12/31/2014	1.002	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.065	
12/31/2015	1.002	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.375	
12/31/2016	1.002	1.002	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	2.349	

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

NORTH DAKOTA

Completed Operations  
Bodily Injury  
Full Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) 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.

<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>
	0.498	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	6,373	44,100	0.316	13,936	20,309	1.009	20,491
12/31/2015	0	0	0.434	0	0	1.009	0
12/31/2016	1,800	5,311	0.498	2,645	4,445	1.009	4,484

(A) See Section G - Multistate Loss Development.

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



NORTH DAKOTA

Completed Operations  
Property Damage  
Full Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) 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.

<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>
	0.623	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	168,544	429,943	0.471	202,503	371,047	1.022	379,205
12/31/2015	398,452	1,482,287	0.552	818,224	1,216,676	1.022	1,243,436
12/31/2016	24,185	536,559	0.623	334,275	358,460	1.022	366,343

(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  
 NORTH DAKOTA  
 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	7,500	3,311	3,311	3,311	3,311	3,311	3,311	3,311	3,311	3,311	3,311
12/31/1998	12,000				12,000	4,250	4,250	4,250	4,250	4,250	4,250
12/31/1999	12,126	11,150	11,150	11,150	11,150	11,150	11,150	11,150	11,150	11,150	11,150
12/31/2000	1,745	9,822	2,673	2,673	2,673	2,673	2,673	2,673	2,673	2,673	2,673
12/31/2001	10,090	5,090	5,090	5,090	5,090	5,090	5,090	5,090	5,090	5,090	5,090
12/31/2002			10,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
12/31/2003											
12/31/2004	100,000	129,692	143,822	143,822	143,822	143,822	143,822	143,822	143,822	143,822	143,822
12/31/2005			100,000	57,500	57,500	57,500	57,500	57,500	57,500	57,500	57,500
12/31/2006	500	500	500	500	500	500	500	500	500	500	500
12/31/2007					7,220						
12/31/2008			15,000	65,000		65,000	80,000	100,000			
12/31/2009											
12/31/2010											
12/31/2011	3,000										
12/31/2012			100,000								
12/31/2013	50,000	134,538	94,230	200,000							
12/31/2014											
12/31/2015											
12/31/2016	1,704										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1997	3,311	3,311	3,311	3,311	3,311	3,311	3,311	3,311	3,311		
12/31/1998	4,250	4,250	4,250	4,250	4,250	4,250	4,250	4,250	4,250		
12/31/1999	11,150	11,150	11,150	11,150	11,150	11,150	11,150	11,150			
12/31/2000	2,673	2,673	2,673	2,673	2,673	2,673					
12/31/2001	5,090	5,090	5,090	5,090	5,090						
12/31/2002	5,000	5,000	5,000	5,000							
12/31/2003											
12/31/2004	143,822	143,822									
12/31/2005	57,500										

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

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	0.441	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1998	0.000				0.354	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1999	0.920	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	5.629	0.272	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2001	0.504	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2002			0.500	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003									1.000 *	1.000 *	1.000 *
12/31/2004	1.297	1.109	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005			0.575	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007					0.000	1.000 *	1.000 *	1.000 *	1.000 *		
12/31/2008			4.333	0.000	1.000 *	1.000 *	1.231	1.250			
12/31/2009			1.000 *	1.000 *	1.000 *	1.000 *	1.000 *				
12/31/2010		1.000 *	1.000 *	1.000 *	1.000 *	1.000 *					
12/31/2011	0.000	1.000 *	1.000 *	1.000 *	1.000 *						
12/31/2012	1.000 *	1.000 *	0.000	1.000 *							
12/31/2013	2.691	0.700	2.122								
12/31/2014	1.000 *	1.000 *									
12/31/2015	1.000 *										
3 Yr Mean	2.691 @	0.700 @	1.061 @	1.000 @	1.000 @	1.000 @	1.231 @	1.125 @	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 *	1.000 *	1.000 *	1.000 *

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2001	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.000	1.000	1.000					
12/31/2003	1.000 *	1.000 *						
12/31/2004	1.000							
3 Yr Mean	1.000 @	1.000 @	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000 *	1.000 *	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2013				1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2014			1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.000

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

COMPLETED OPERATIONS (Subline Code 336)  
 FULL COVERAGE  
 NORTH DAKOTA  
 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	0	0	0	0	0	0	0	0	0	0	0
12/31/1998	427	884	884	884	884	884	884	884	884	884	884
12/31/1999	108	108	108	108	108	108	108	108	108	108	108
12/31/2000	428	10,351	9,427	9,427	9,427	9,427	9,427	9,427	9,427	9,427	9,427
12/31/2001	2,170	0	0	0	0	0	0	0	0	0	0
12/31/2002	0	0	4,500	29,980	32,040	32,040	32,040	32,040	32,040	32,040	32,040
12/31/2003	0	0	0	0	0	0	0	0	0	0	0
12/31/2004	30,000	50,237	19,578	19,578	19,578	19,578	19,578	19,578	19,578	19,578	19,578
12/31/2005	0	0	79,399	65,878	65,878	65,878	65,878	65,878	65,878	65,878	65,878
12/31/2006	0	0	0	0	0	0	0	0	0	0	0
12/31/2007	0	0	0	0	0	0	0	0	0	0	0
12/31/2008	0	0	0	0	0	0	45,000	45,000	49,987		
12/31/2009	0	0	0	0	0	0	0	0			
12/31/2010	0	0	0	0	0	0	0				
12/31/2011	0	0	0	0	0	0					
12/31/2012	0	0	40,999	3,475	3,475						
12/31/2013	500	17,984	11,324	119,789							
12/31/2014	0	0	0								
12/31/2015	0	0									
12/31/2016	0										

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	0	0	0	0	0	0	0	0	0
12/31/1998	884	884	884	884	884	884	884	884	
12/31/1999	108	108	108	108	108	108	108		
12/31/2000	9,427	9,427	9,427	9,427	9,427	9,427			
12/31/2001	0	0	0	0	0				
12/31/2002	32,040	32,040	32,040	32,040					
12/31/2003	0	0	0						
12/31/2004	19,578	19,578							
12/31/2005	65,878								

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

\$100,000 Basic Limit Losses 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	41,044	80,710	57,600	56,600	146,600	146,600	146,600	146,600	146,600	146,600	146,600	146,600
12/31/1998	38,166	23,209	23,209	23,209	24,209	48,209	35,709	35,709	35,709	35,709	35,709	35,709
12/31/1999	81,533	116,522	119,248	94,248	94,248	94,248	94,248	94,248	94,248	94,248	94,248	94,248
12/31/2000	137,053	224,095	248,988	234,988	235,988	233,488	233,488	233,488	233,488	233,488	233,488	233,488
12/31/2001	81,964	181,194	206,694	149,194	264,234	194,234	208,586	194,586	194,586	194,586	194,586	194,586
12/31/2002	13,784	24,601	35,649	35,649	35,649	35,649	35,649	35,649	35,649	35,649	35,649	35,649
12/31/2003	115,836	74,380	84,380	114,130	122,963	191,881	148,039	141,881	141,881	141,881	141,881	161,881
12/31/2004	57,006	39,266	35,766	35,766	35,766	35,766	35,766	35,766	35,766	35,766	35,766	35,766
12/31/2005	227,556	119,011	167,751	130,626	130,626	130,626	130,626	130,626	131,006	131,006	131,006	131,006
12/31/2006	43,010	62,485	119,107	123,841	110,620	110,620	135,620	114,120	114,120	114,120	114,120	114,120
12/31/2007	279,659	242,010	179,003	170,420	163,010	205,260	168,010	158,010	158,010	158,010	158,067	
12/31/2008	159,291	162,630	80,630	53,630	72,630	82,630	82,024	77,630	77,630	77,630		
12/31/2009	488,187	493,326	461,090	341,543	409,675	420,364	496,394	502,453				
12/31/2010	94,447	128,134	198,134	162,677	162,677	162,677	182,677					
12/31/2011	414,287	424,610	422,955	466,005	366,005	366,005						
12/31/2012	430,168	455,350	405,019	383,502	431,187							
12/31/2013	288,923	438,473	490,884	309,181								
12/31/2014	268,667	212,904	267,122									
12/31/2015	500,587	542,255										
12/31/2016	331,040											
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	146,600	146,600	146,600	146,600	146,600	146,600	146,600	146,600	146,600			
12/31/1998	35,709	35,709	35,709	35,709	35,709	35,709	35,709	35,709	35,709			
12/31/1999	94,248	94,248	94,248	94,248	94,248	94,248	94,248	94,248				
12/31/2000	233,488	233,488	233,488	233,488	233,488	233,488						
12/31/2001	194,586	194,586	194,586	194,586	194,586							
12/31/2002	35,649	35,649	35,649	35,649								
12/31/2003	141,881	141,881	141,881									
12/31/2004	35,766	35,766										
12/31/2005	131,006											

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

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.966	0.714	0.983	2.590	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1998	0.608	1.000	1.000	1.043	1.991	0.741	1.000	1.000	1.000	1.000	1.000
12/31/1999	1.429	1.023	0.790	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.635	1.111	0.944	1.004	0.989	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2001	2.211	1.141	0.722	1.771	0.735	1.074	0.933	1.000	1.000	1.000	1.000
12/31/2002	1.785	1.449	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	0.642	1.134	1.353	1.077	1.560	0.772	0.958	1.000	1.000	1.141	0.876
12/31/2004	0.689	0.911	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	0.523	1.410	0.779	1.000	1.000	1.000	1.000	1.003	1.000	1.000	1.000
12/31/2006	1.453	1.906	1.040	0.893	1.000	1.226	0.841	1.000	1.000	1.000	1.000
12/31/2007	0.865	0.740	0.952	0.957	1.259	0.819	0.940	1.000	1.000	1.000	1.000
12/31/2008	1.021	0.496	0.665	1.354	1.138	0.993	0.946	1.000			
12/31/2009	1.011	0.935	0.741	1.199	1.026	1.181	1.012				
12/31/2010	1.357	1.546	0.821	1.000	1.000	1.123					
12/31/2011	1.025	0.996	1.102	0.785	1.000						
12/31/2012	1.059	0.889	0.947	1.124							
12/31/2013	1.518	1.120	0.630								
12/31/2014	0.792	1.255									
12/31/2015	1.083										
3 Yr Mean	1.131	1.088	0.893	0.970	1.009	1.099	0.966	1.000	1.000	1.000	0.959
Best 3/5	1.056	1.124	0.836	1.108	1.055	1.099	0.962	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2001	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.000	1.000	1.000					
12/31/2003	1.000	1.000						
12/31/2004	1.000							
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.055	1.099	0.962	1.000	1.000	1.000	1.000
12/31/2013				1.108	1.055	1.099	0.962	1.000	1.000	1.000	1.000
12/31/2014			0.836	1.108	1.055	1.099	0.962	1.000	1.000	1.000	1.000
12/31/2015		1.124	0.836	1.108	1.055	1.099	0.962	1.000	1.000	1.000	1.000
12/31/2016	1.056	1.124	0.836	1.108	1.055	1.099	0.962	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2012	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.115
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.236
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.033
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.161
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.226

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

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

A.Y.E	Allocated Expenses as of:										
	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1997	3,558	20,522	20,358	59,976	93,543	93,543	93,543	93,543	93,543	93,543	93,543
12/31/1998	3,193	2,346	2,346	2,346	2,346	13,433	26,074	26,074	26,074	26,074	26,074
12/31/1999	713	1,255	1,961	2,810	2,810	2,810	2,810	2,810	2,810	2,810	2,810
12/31/2000	4,047	5,967	17,002	29,440	40,019	43,477	43,564	43,666	43,666	43,666	43,666
12/31/2001	6,490	8,376	20,008	27,477	75,321	97,908	103,852	101,617	101,617	101,617	101,617
12/31/2002	451	451	9,702	3,625	3,625	6,679	6,679	6,679	6,679	6,679	6,679
12/31/2003	10,436	5,125	5,125	10,125	33,626	176,205	244,773	244,773	244,773	244,773	244,773
12/31/2004	7,942	1,750	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021
12/31/2005	1,063	2,761	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808	9,808
12/31/2006	1,635	4,182	20,896	20,914	20,914	20,914	48,114	30,851	30,851	30,851	30,851
12/31/2007	20,545	21,540	33,732	69,643	77,405	81,780	82,560	86,282	86,282	116,281	
12/31/2008	8,537	43,552	50,608	51,813	51,829	51,829	66,213	66,213	66,213		
12/31/2009	11,881	20,681	47,097	55,497	62,366	66,179	127,964	166,327			
12/31/2010	56,168	79,634	143,922	145,937	131,074	131,074	156,074				
12/31/2011	49,320	107,147	304,554	399,316	377,555	377,555					
12/31/2012	25,691	18,146	35,331	38,271	38,552						
12/31/2013	129,774	501,894	795,984	938,244							
12/31/2014	76,080	102,493	184,962								
12/31/2015	172,781	385,874									
12/31/2016	25,851										

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	93,543	93,543	93,543	93,543	93,543	93,543	93,543	93,543	93,543
12/31/1998	26,074	26,074	26,074	26,074	26,074	26,074	26,074	26,074	
12/31/1999	2,810	2,810	2,810	2,810	2,810	2,810	2,810		
12/31/2000	43,666	43,666	43,666	43,666	43,666	43,666			
12/31/2001	101,617	101,617	101,617	101,617	101,617				
12/31/2002	6,679	6,679	6,679	6,679					
12/31/2003	244,773	244,773	244,773						
12/31/2004	2,021	2,021							
12/31/2005	9,808								

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	6,241,204	10,525,449	10,841,986	11,938,374	11,748,878	12,104,010	12,350,780	12,225,225	12,461,924	13,070,275	13,249,646
12/31/1998	5,420,506	7,799,654	10,051,766	10,544,076	10,891,327	11,231,449	11,794,495	12,369,419	11,988,501	11,666,870	11,688,477
12/31/1999	5,771,569	8,056,239	10,731,282	12,587,689	12,626,800	12,957,960	12,588,556	12,448,890	12,450,443	12,449,993	12,472,787
12/31/2000	3,544,766	7,825,215	9,907,827	11,802,496	11,696,443	11,965,334	11,559,097	11,560,525	11,501,174	11,539,818	11,537,239
12/31/2001	3,429,839	7,253,437	9,584,206	10,586,096	11,061,229	11,050,516	10,965,708	10,788,086	10,683,483	10,582,030	10,603,400
12/31/2002	3,136,688	7,310,568	9,778,703	10,474,499	11,602,422	11,755,504	11,946,317	12,153,038	12,322,670	12,427,505	12,462,723
12/31/2003	3,830,463	7,075,038	10,589,947	11,235,944	11,084,558	10,881,067	10,655,769	10,611,563	10,595,095	10,631,496	10,682,506
12/31/2004	4,760,080	7,412,243	10,228,138	11,432,868	11,472,494	10,979,099	11,416,880	11,362,114	11,328,202	11,363,367	11,467,698
12/31/2005	4,584,914	7,910,640	11,284,250	12,708,602	12,514,175	12,638,455	12,948,706	12,884,194	12,801,401	12,898,337	12,858,883
12/31/2006	5,021,836	9,147,539	13,343,747	14,101,035	13,904,971	14,077,041	13,945,274	14,142,903	14,054,192	13,968,871	13,895,761
12/31/2007	4,505,784	8,880,068	11,862,598	13,149,635	13,143,049	13,138,081	13,037,337	13,177,976	13,374,884	13,160,409	
12/31/2008	4,630,223	8,545,051	12,371,265	13,017,884	12,903,315	12,893,948	13,475,968	13,207,064	13,220,966		
12/31/2009	5,545,545	9,021,867	12,689,556	12,877,517	12,854,954	13,277,720	12,782,440	12,664,003			
12/31/2010	5,613,730	10,949,093	13,365,192	14,477,280	15,389,466	15,634,381	15,235,705				
12/31/2011	5,023,175	8,440,772	12,240,525	14,390,393	14,782,142	14,342,307					
12/31/2012	4,020,949	8,041,692	13,948,512	14,286,588	14,690,167						
12/31/2013	4,940,250	10,641,177	13,165,582	14,797,114							
12/31/2014	5,774,160	9,009,963	13,269,636								
12/31/2015	5,254,378	8,997,110									
12/31/2016	3,774,433										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1997	13,265,859	13,355,160	13,410,485	13,447,067	13,446,597	13,446,597	13,450,858	13,446,597	13,449,597		
12/31/1998	11,879,577	11,851,752	12,065,937	12,046,176	12,046,176	12,051,676	11,926,990	11,946,228			
12/31/1999	12,430,019	12,391,751	12,377,878	12,377,577	12,377,578	12,377,577	12,377,577				
12/31/2000	11,573,532	11,633,876	11,576,525	11,622,279	11,617,275	11,632,274					
12/31/2001	10,634,402	10,628,084	10,665,126	10,708,333	10,684,969						
12/31/2002	12,394,428	12,424,961	12,569,195	12,569,905							
12/31/2003	10,718,010	10,731,068	10,769,810								
12/31/2004	11,498,042	11,694,502									
12/31/2005	12,752,144										

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.686	1.030	1.101	0.984	1.030	1.020	0.990	1.019	1.049	1.014	1.001
12/31/1998	1.439	1.289	1.049	1.033	1.031	1.050	1.049	0.969	0.973	1.002	1.016
12/31/1999	1.396	1.332	1.173	1.003	1.026	0.971	0.989	1.000	1.000	1.002	0.997
12/31/2000	2.208	1.266	1.191	0.991	1.023	0.966	1.000	0.995	1.003	1.000	1.003
12/31/2001	2.115	1.321	1.105	1.045	0.999	0.992	0.984	0.990	0.991	1.002	1.003
12/31/2002	2.331	1.338	1.071	1.108	1.013	1.016	1.017	1.014	1.009	1.003	0.995
12/31/2003	1.847	1.497	1.061	0.987	0.982	0.979	0.996	0.998	1.003	1.005	1.003
12/31/2004	1.557	1.380	1.118	1.003	0.957	1.040	0.995	0.997	1.003	1.009	1.003
12/31/2005	1.725	1.426	1.126	0.985	1.010	1.025	0.995	0.994	1.008	0.997	0.992
12/31/2006	1.822	1.459	1.057	0.986	1.012	0.991	1.014	0.994	0.994	0.995	
12/31/2007	1.971	1.336	1.108	0.999	1.000	0.992	1.011	1.015	0.984		
12/31/2008	1.845	1.448	1.052	0.991	0.999	1.045	0.980	1.001			
12/31/2009	1.627	1.407	1.015	0.998	1.033	0.963	0.991				
12/31/2010	1.950	1.221	1.083	1.063	1.016	0.975					
12/31/2011	1.680	1.450	1.176	1.027	0.970						
12/31/2012	2.000	1.735	1.024	1.028							
12/31/2013	2.154	1.237	1.124								
12/31/2014	1.560	1.473									
12/31/2015	1.712										
3 Yr Mean	1.809	1.482	1.108	1.039	1.006	0.994	0.994	1.003	0.995	1.000	0.999
Best 3/5	1.797	1.387	1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.007	1.004	1.003	1.000	1.000	1.000	1.000	1.000			
12/31/1998	0.998	1.018	0.998	1.000	1.000	0.990	1.002	1.000 *			
12/31/1999	0.997	0.999	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2000	1.005	0.995	1.004	1.000	1.001	1.000 *	1.000 *	1.000 *			
12/31/2001	0.999	1.003	1.004	0.998	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.002	1.012	1.000								
12/31/2003	1.001	1.004									
12/31/2004	1.017										
3 Yr Mean	1.007	1.006	1.003	0.999	1.000 @	0.997 @	1.001 @	1.000 @			
Best 3/5	1.003	1.002	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2013				1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2014			1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2015		1.387	1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000
12/31/2016	1.797	1.387	1.077	1.018	1.005	0.986	0.999	0.997	1.000	1.002	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	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

A.Y.E	Allocated Expenses as of:										
	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								

A.Y.E	Link Ratios: 171 to Ultimate									
	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	*	1.001	*

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

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>
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		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												

A.Y.E	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	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

A.Y.E.	\$100,000 Basic Limit Losses as of:										
	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	14,476,707	21,024,999	24,989,059	27,568,777	29,573,219	31,498,859	33,686,772	34,617,731	35,065,578	35,428,621	35,715,051
12/31/1998	18,615,102	24,292,524	27,787,116	34,091,765	38,137,692	41,300,518	43,740,425	45,052,142	46,071,898	47,276,775	48,493,085
12/31/1999	19,138,909	24,207,487	27,938,198	31,687,167	34,551,502	38,222,368	40,057,561	41,152,481	42,186,533	43,199,144	43,276,904
12/31/2000	22,496,846	31,177,966	37,010,462	41,346,201	44,351,625	47,182,885	51,294,246	53,488,201	54,336,465	55,582,086	56,287,119
12/31/2001	26,608,794	34,625,135	41,258,569	45,443,563	49,166,004	51,034,839	52,357,084	54,772,098	56,381,032	56,986,012	56,994,631
12/31/2002	27,309,214	36,392,057	41,323,767	46,809,768	48,521,845	49,950,307	52,128,251	54,170,313	55,298,476	54,936,473	55,685,672
12/31/2003	28,963,973	34,593,389	39,248,028	41,023,560	45,455,070	47,307,090	48,478,945	49,668,305	51,055,527	51,526,685	52,215,078
12/31/2004	29,799,442	36,836,404	41,550,163	46,859,831	49,990,556	52,903,448	54,991,846	56,686,585	58,704,945	59,346,434	61,183,943
12/31/2005	28,435,414	35,728,019	41,122,523	46,572,316	49,288,411	52,854,996	56,131,514	57,503,106	59,675,160	59,774,844	61,083,853
12/31/2006	39,126,091	47,711,700	54,805,949	60,412,330	66,597,380	69,045,216	71,216,232	70,956,191	72,332,711	73,199,779	75,091,533
12/31/2007	44,679,247	54,568,490	64,192,746	67,590,748	70,802,938	73,317,717	74,413,262	76,841,607	78,626,742	80,885,042	
12/31/2008	55,540,851	65,183,255	72,107,651	74,938,298	77,672,965	79,248,062	80,964,948	82,392,694	90,690,441		
12/31/2009	58,801,478	68,318,210	75,425,062	78,296,193	80,268,239	81,154,659	82,824,113	85,986,675			
12/31/2010	56,999,260	66,336,967	70,416,407	72,589,432	75,529,224	76,739,232	77,888,506				
12/31/2011	55,785,336	62,971,870	65,510,969	65,966,732	67,638,544	70,611,534					
12/31/2012	48,618,858	55,438,963	57,561,010	60,722,673	63,724,593						
12/31/2013	44,518,808	49,431,715	53,848,124	55,695,132							
12/31/2014	44,658,691	51,781,980	54,862,816								
12/31/2015	42,468,994	49,359,932									
12/31/2016	38,848,222										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1997	36,624,927	36,943,255	37,099,133	36,951,679	36,963,398	36,926,684	36,865,371	36,863,121	36,856,270		
12/31/1998	48,648,284	48,800,346	48,739,327	48,787,691	48,909,095	48,701,874	48,701,064	48,634,945			
12/31/1999	43,496,060	43,681,163	43,571,936	43,775,377	43,716,624	43,835,922	43,842,640				
12/31/2000	56,759,695	56,685,379	56,678,871	56,707,776	56,595,350	56,465,651					
12/31/2001	57,557,106	57,199,303	57,394,901	57,660,327	57,641,040						
12/31/2002	55,852,497	55,852,029	55,933,820	55,909,749							
12/31/2003	52,180,065	52,597,532	53,079,239								
12/31/2004	61,857,874	62,331,653									
12/31/2005	61,213,373										

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.452	1.189	1.103	1.073	1.065	1.069	1.028	1.013	1.010	1.008	1.025
12/31/1998	1.305	1.144	1.227	1.119	1.083	1.059	1.030	1.023	1.026	1.026	1.003
12/31/1999	1.265	1.154	1.134	1.090	1.106	1.048	1.027	1.025	1.024	1.002	1.005
12/31/2000	1.386	1.187	1.117	1.073	1.064	1.087	1.043	1.016	1.023	1.013	1.008
12/31/2001	1.301	1.192	1.101	1.082	1.038	1.026	1.046	1.029	1.011	1.000	1.010
12/31/2002	1.333	1.136	1.133	1.037	1.029	1.044	1.039	1.021	0.993	1.014	1.003
12/31/2003	1.194	1.135	1.045	1.108	1.041	1.025	1.025	1.028	1.009	1.013	0.999
12/31/2004	1.236	1.128	1.128	1.067	1.058	1.039	1.031	1.036	1.011	1.031	1.011
12/31/2005	1.256	1.151	1.133	1.058	1.072	1.062	1.024	1.038	1.002	1.022	1.002
12/31/2006	1.219	1.149	1.102	1.102	1.037	1.031	0.996	1.019	1.012	1.026	
12/31/2007	1.221	1.176	1.053	1.048	1.036	1.015	1.033	1.023	1.029		
12/31/2008	1.174	1.106	1.039	1.036	1.020	1.022	1.018	1.101			
12/31/2009	1.162	1.104	1.038	1.025	1.011	1.021	1.038				
12/31/2010	1.164	1.061	1.031	1.040	1.016	1.015					
12/31/2011	1.129	1.040	1.007	1.025	1.044						
12/31/2012	1.140	1.038	1.055	1.049							
12/31/2013	1.110	1.089	1.034								
12/31/2014	1.160	1.059									
12/31/2015	1.162										
3 Yr Mean	1.144	1.062	1.032	1.038	1.024	1.019	1.030	1.048	1.014	1.026	1.004
Best 3/5	1.143	1.053	1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.009	1.004	0.996	1.000	0.999	0.998	1.000	1.000			
12/31/1998	1.003	0.999	1.001	1.002	0.996	1.000	0.999	0.999 *			
12/31/1999	1.004	0.997	1.005	0.999	1.003	1.000	0.999 *	0.999 *			
12/31/2000	0.999	1.000	1.001	0.998	0.998	0.999 *	0.999 *	0.999 *			
12/31/2001	0.994	1.003	1.005	1.000	1.000 *	0.999 *	0.999 *	0.999 *			
12/31/2002	1.000	1.001	1.000								
12/31/2003	1.008	1.009									
12/31/2004	1.008										
3 Yr Mean	1.005	1.004	1.002	0.999	0.999 @	0.999 @	1.000 @	1.000 @			
Best 3/5	1.002	1.001	1.002	1.000	0.999 *	0.999 *	0.999 *	0.999 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2013				1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2014			1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2015		1.053	1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005
12/31/2016	1.143	1.053	1.034	1.034	1.024	1.019	1.025	1.032	1.011	1.021	1.005

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

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	3,210,957	3,904,989	4,375,163	4,912,152	5,978,201	7,050,725	8,375,494	9,809,205	10,043,818	10,874,879	11,682,124
12/31/1998	3,447,941	5,186,967	6,423,875	6,796,525	7,813,276	8,517,341	9,741,425	11,257,610	12,200,642	13,040,291	13,201,578
12/31/1999	3,199,270	5,044,863	5,575,448	7,244,318	8,188,188	9,651,581	11,106,897	12,103,138	12,802,429	13,135,089	13,629,215
12/31/2000	3,471,855	5,349,935	7,405,959	9,489,899	11,691,772	14,491,304	16,582,160	18,447,246	19,221,575	21,494,186	23,246,804
12/31/2001	3,590,910	5,725,419	7,793,995	10,616,734	14,002,935	17,224,859	21,993,148	23,402,451	25,895,230	25,966,918	27,504,128
12/31/2002	4,255,414	5,700,028	8,365,872	10,199,308	11,830,443	14,391,760	16,031,537	17,902,386	20,136,148	20,065,628	20,048,355
12/31/2003	4,196,138	6,067,239	7,657,808	8,457,245	9,795,816	10,397,330	11,397,206	12,090,593	12,766,238	13,615,662	13,533,948
12/31/2004	5,824,885	7,372,939	9,171,424	9,751,195	10,459,553	11,464,569	12,149,530	13,332,912	13,916,022	14,294,772	14,519,929
12/31/2005	6,630,570	9,087,433	10,040,091	10,770,269	12,073,588	12,818,796	13,253,663	13,972,615	14,699,222	14,860,054	15,089,706
12/31/2006	7,644,998	9,212,774	10,413,710	11,101,832	11,193,322	12,124,225	12,755,867	13,477,739	13,894,055	15,108,278	15,949,800
12/31/2007	9,590,985	11,767,028	12,236,194	12,674,812	13,395,367	13,910,544	15,005,742	15,705,925	16,458,994	17,704,907	
12/31/2008	8,809,687	11,738,940	14,074,906	14,432,382	15,389,000	16,329,662	17,489,267	17,980,085	18,709,239		
12/31/2009	8,123,738	10,475,821	12,042,988	12,860,752	13,869,425	15,635,475	16,847,269	17,372,520			
12/31/2010	9,431,301	11,314,296	11,616,019	12,419,064	13,383,418	13,773,767	14,126,971				
12/31/2011	9,430,045	11,453,099	12,494,941	12,901,311	13,725,119	14,477,528					
12/31/2012	8,822,348	10,347,539	11,848,954	12,424,921	13,954,912						
12/31/2013	11,154,298	13,608,630	14,515,472	15,559,878							
12/31/2014	11,942,483	14,180,019	16,127,074								
12/31/2015	14,553,140	18,568,834									
12/31/2016	15,392,057										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1997	11,634,501	11,989,577	12,154,595	12,029,833	11,911,394	12,039,678	12,042,499	12,042,499	12,042,499		
12/31/1998	13,610,892	13,632,660	13,641,292	13,655,097	13,486,595	13,478,122	13,477,622	13,477,622			
12/31/1999	13,840,532	14,113,809	13,952,858	13,884,919	13,902,711	13,850,534	13,850,534				
12/31/2000	23,819,062	24,018,558	23,936,492	23,909,280	23,684,801	23,514,256					
12/31/2001	27,664,786	27,743,074	27,364,516	27,272,641	27,110,734						
12/31/2002	20,383,354	20,185,142	19,889,306	19,659,178							
12/31/2003	13,380,432	13,581,000	13,234,508								
12/31/2004	14,556,234	14,699,378									
12/31/2005	15,673,999										

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.216	1.120	1.123	1.217	1.179	1.188	1.171	1.024	1.083	1.074	0.996
12/31/1998	1.504	1.238	1.058	1.150	1.090	1.144	1.156	1.084	1.069	1.012	1.031
12/31/1999	1.577	1.105	1.299	1.130	1.179	1.151	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.541	1.384	1.281	1.232	1.239	1.144	1.112	1.042	1.118	1.082	1.025
12/31/2001	1.594	1.361	1.362	1.319	1.230	1.277	1.064	1.107	1.003	1.059	1.006
12/31/2002	1.339	1.468	1.219	1.160	1.217	1.114	1.117	1.125	0.996	0.999	1.017
12/31/2003	1.446	1.262	1.104	1.158	1.061	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.266	1.244	1.063	1.073	1.096	1.060	1.097	1.044	1.027	1.016	1.003
12/31/2005	1.371	1.105	1.073	1.121	1.062	1.034	1.054	1.052	1.011	1.015	1.039
12/31/2006	1.205	1.130	1.066	1.008	1.083	1.052	1.057	1.031	1.087	1.056	
12/31/2007	1.227	1.040	1.036	1.057	1.038	1.079	1.047	1.048	1.076		
12/31/2008	1.333	1.199	1.025	1.066	1.061	1.071	1.028	1.041			
12/31/2009	1.290	1.150	1.068	1.078	1.127	1.078	1.031				
12/31/2010	1.200	1.027	1.069	1.078	1.029	1.026					
12/31/2011	1.215	1.091	1.033	1.064	1.055						
12/31/2012	1.173	1.145	1.049	1.123							
12/31/2013	1.220	1.067	1.072								
12/31/2014	1.187	1.137									
12/31/2015	1.276										
3 Yr Mean	1.228	1.116	1.051	1.088	1.070	1.058	1.035	1.040	1.058	1.029	1.010
Best 3/5	1.207	1.098	1.062	1.074	1.051	1.067	1.044	1.044	1.057	1.010	1.009

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	1.031	1.014	0.990	0.990	1.011	1.000	1.000	1.000			
12/31/1998	1.002	1.001	1.001	0.988	0.999	1.000	1.000	1.000	*		
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000	1.000	*	*	
12/31/2000	1.008	0.997	0.999	0.991	0.993	0.998	1.000	1.000	*	*	
12/31/2001	1.003	0.986	0.997	0.994	0.992	0.998	1.000	1.000	*	*	
12/31/2002	0.990	0.985	0.988								
12/31/2003	1.015	0.974									
12/31/2004	1.010										
3 Yr Mean	1.005	0.982	0.995	0.995	0.996 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.007	0.987	0.997	0.992	0.996 *	0.999 *	1.000 *	1.000 *			

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

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

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

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

Allocated Expenses as of:

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

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

Link Ratios: 171 to Ultimate

A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1997	1.014	1.001	1.002	1.000	1.001	1.002	1.000 *
12/31/1998	1.011	1.017	1.002	1.000	1.000	1.000 *	1.000 *
12/31/1999	1.008	1.013	1.002	1.001	1.000 *	1.000 *	1.000 *
12/31/2000	1.007	1.009	1.002	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2001	1.009	1.011	1.011 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.023						
Best 3/5	1.009	1.011	1.002 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.022

\* Calculated Using Modified Bondy Method

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

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>
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												

A.Y.E	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	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	1.172	1.172	1.013	1.038	0.985	0.995					
12/31/2011	1.149	1.128	1.058	0.978	0.985						
12/31/2012	1.244	1.205	1.006	1.000							
12/31/2013	1.217	1.082	1.001								
12/31/2014	1.150	1.041									
12/31/2015	1.042										
3 Yr Mean	1.136	1.109	1.022	1.005	0.990	0.997	0.987	0.998	1.000	0.999	1.000
Best 3/5	1.172	1.127	1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.991	0.999	0.998	0.994	1.000	0.999	0.995	1.000			
12/31/1998	0.999	1.000	1.000	1.001	1.003	1.025	0.997	0.999 *			
12/31/1999	0.998	1.011	1.001	1.001	1.002	1.000	1.000 *	0.999 *			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.000 *	1.000 *	0.999 *			
12/31/2001	1.000	1.004	0.996	0.998	0.999 *	1.000 *	1.000 *	0.999 *			
12/31/2002	1.001	1.001	1.011								
12/31/2003	0.999	1.000									
12/31/2004	1.000										
3 Yr Mean	1.000	1.002	1.004	0.999	1.001 @	1.008 @	0.996 @	1.000 @			
Best 3/5	1.000	1.003	1.002	0.999	1.000 *	1.000 *	0.999 *	0.999 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2012					0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2013				0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2014			1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2015		1.127	1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000
12/31/2016	1.172	1.127	1.011	0.991	0.990	0.990	0.996	0.997	1.001	0.999	1.000

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

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

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	357,857	430,629	856,827	832,801	712,801	709,801	709,801	709,801	704,801	706,861	704,801
12/31/1998	104,651	183,618	137,402	75,802	75,802	76,802	76,802	76,802	84,345	84,302	84,302
12/31/1999	357,147	246,142	223,437	219,338	221,172	221,172	221,172	221,172	221,172	221,172	221,172
12/31/2000	314,291	528,582	556,688	476,626	501,626	490,970	486,970	487,970	487,970	486,970	521,970
12/31/2001	278,206	352,745	423,834	497,226	463,174	463,174	453,174	453,174	453,174	466,578	466,578
12/31/2002	408,226	436,004	390,234	498,725	484,971	446,232	446,231	446,231	446,231	446,231	446,231
12/31/2003	137,726	261,136	219,409	274,123	191,730	123,445	121,945	96,844	96,844	96,844	96,844
12/31/2004	711,594	664,590	1,075,135	1,252,571	863,010	864,290	841,891	841,890	841,890	841,890	841,890
12/31/2005	648,240	814,848	1,114,321	1,010,826	905,856	988,273	988,272	988,322	988,322	988,322	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	968,260
12/31/2008	527,184	422,912	537,374	427,853	351,603	368,464	367,964	367,964	367,964	367,964	367,964
12/31/2009	283,339	295,250	308,523	246,539	438,219	439,219	439,119	439,130			
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						
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 *			

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

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

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

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

Allocated Expenses as of:

<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

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>
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												

A.Y.E	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	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						
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1997	1.031	1.006	1.007	1.010	1.012	1.012	1.031 *
12/31/1998	1.009	0.999	1.003	1.053	1.037	1.008 *	1.031 *
12/31/1999	1.007	0.988	1.004	1.003	1.005 *	1.008 *	1.031 *
12/31/2000	1.010	1.011	1.004	1.002 *	1.005 *	1.008 *	1.031 *
12/31/2001	1.018	1.023	1.002 *	1.002 *	1.005 *	1.008 *	1.031 *
12/31/2002	1.041						
Best 3/5	1.012	1.005	1.004 *	1.005 *	1.007 *	1.008 *	1.031 *

171 to Ultimate Factor: 1.074

Months-to-Ultimate	Cumulative Incremental Factors						
	15	27	39	51	63	75	87
	0.323	0.259	0.157	0.074	0.028	0.014	0.009
Months-to-Ultimate	99	111	123	135	147	159	171
	0.009	0.008	0.009	0.007	0.006	0.004	0.000

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:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	1,953,974	1,964,549	1,832,575	2,092,458	2,040,272	2,152,401	2,324,184	2,359,502	2,338,871	2,407,075	2,447,850
12/31/1998	1,376,246	1,584,285	1,827,587	1,989,165	2,007,293	1,856,698	1,895,083	1,871,634	1,918,615	2,049,084	1,968,505
12/31/1999	1,622,564	2,017,237	2,095,285	2,257,097	2,261,634	2,244,951	2,349,147	2,321,868	2,383,720	2,329,275	2,347,247
12/31/2000	2,153,802	2,368,783	2,567,661	2,657,625	2,846,689	3,195,261	3,052,674	3,098,150	3,260,826	3,340,009	3,322,925
12/31/2001	1,731,912	1,779,507	2,057,641	2,139,241	2,056,011	2,093,344	2,259,820	2,432,396	2,440,122	2,512,778	2,506,924
12/31/2002	1,627,015	1,773,646	1,929,360	1,991,502	1,951,566	1,976,361	2,055,109	2,051,078	2,101,695	2,166,817	2,231,202
12/31/2003	1,471,559	2,083,659	2,442,765	2,396,033	2,672,429	2,667,941	2,704,455	2,723,521	2,723,667	2,774,557	2,775,111
12/31/2004	2,245,149	2,535,073	2,588,741	2,478,879	2,544,085	2,550,663	2,479,290	2,517,773	2,538,622	2,547,105	2,557,072
12/31/2005	3,074,372	3,325,448	3,553,068	3,639,529	3,724,860	3,589,172	3,602,528	3,649,016	3,658,386	3,652,096	3,652,374
12/31/2006	3,319,395	3,819,872	3,811,854	3,845,683	3,860,534	4,019,137	4,055,225	4,219,507	4,266,936	4,344,031	4,337,005
12/31/2007	3,233,879	3,375,774	3,523,997	3,749,608	4,047,727	3,967,041	4,109,477	4,082,076	4,074,338	4,067,547	
12/31/2008	4,291,659	4,633,951	4,771,174	4,865,990	5,058,125	5,308,163	5,564,119	5,918,857	6,160,999		
12/31/2009	3,865,924	4,035,038	4,091,697	4,094,615	4,095,088	4,314,565	4,327,899	4,468,271			
12/31/2010	4,779,346	4,868,388	5,126,035	5,167,057	4,770,697	5,013,259	5,054,462				
12/31/2011	4,472,978	4,646,825	4,939,642	4,879,585	4,986,972	5,141,889					
12/31/2012	4,265,254	4,380,478	4,105,818	3,985,145	4,142,509						
12/31/2013	4,009,776	3,907,044	4,507,617	4,426,008							
12/31/2014	3,789,807	4,109,838	4,023,021								
12/31/2015	5,159,993	5,396,463									
12/31/2016	4,834,540										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1997	2,434,468	2,419,567	2,518,622	2,518,622	2,518,622	2,518,625	2,518,622	2,518,622	2,518,622
12/31/1998	1,895,894	1,901,179	1,900,644	1,900,644	1,903,816	1,900,483	1,900,482	1,900,482	
12/31/1999	2,359,524	2,440,346	2,450,629	2,425,118	2,490,017	2,491,218	2,488,717		
12/31/2000	3,329,570	3,322,818	3,326,317	3,319,315	3,319,314	3,317,314			
12/31/2001	2,489,513	2,446,591	2,452,085	2,453,264	2,465,271				
12/31/2002	2,213,098	2,278,740	2,285,615	2,294,215					
12/31/2003	2,815,167	2,799,953	2,783,902						
12/31/2004	2,517,294	2,519,073							
12/31/2005	3,647,774								

LOCAL PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1997	1.005	0.933	1.142	0.975	1.055	1.080	1.015	0.991	1.029	1.017	0.995
12/31/1998	1.151	1.154	1.088	1.009	0.925	1.021	0.988	1.025	1.068	0.961	0.963
12/31/1999	1.243	1.039	1.077	1.002	0.993	1.046	0.988	1.027	0.977	1.008	1.005
12/31/2000	1.100	1.084	1.035	1.071	1.122	0.955	1.015	1.053	1.024	0.995	1.002
12/31/2001	1.027	1.156	1.040	0.961	1.018	1.080	1.076	1.003	1.030	0.998	0.993
12/31/2002	1.090	1.088	1.032	0.980	1.013	1.040	0.998	1.025	1.031	1.030	0.992
12/31/2003	1.416	1.172	0.981	1.115	0.998	1.014	1.007	1.000	1.019	1.000	1.014
12/31/2004	1.129	1.021	0.958	1.026	1.003	0.972	1.016	1.008	1.003	1.004	0.984
12/31/2005	1.082	1.068	1.024	1.023	0.964	1.004	1.013	1.003	0.998	1.000	0.999
12/31/2006	1.151	0.998	1.009	1.004	1.041	1.009	1.041	1.011	1.018	0.998	
12/31/2007	1.044	1.044	1.064	1.080	0.980	1.036	0.993	0.998	0.998		
12/31/2008	1.080	1.030	1.020	1.039	1.049	1.048	1.064	1.041			
12/31/2009	1.044	1.014	1.001	1.000	1.054	1.003	1.032				
12/31/2010	1.019	1.053	1.008	0.923	1.051	1.008					
12/31/2011	1.039	1.063	0.988	1.022	1.031						
12/31/2012	1.027	0.937	0.971	1.039							
12/31/2013	0.974	1.154	0.982								
12/31/2014	1.084	0.979									
12/31/2015	1.046										
3 Yr Mean	1.035	1.023	0.980	0.995	1.045	1.020	1.030	1.017	1.005	1.001	0.999
Best 3/5	1.037	1.032	0.990	1.020	1.044	1.018	1.029	1.007	1.006	1.001	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1997	0.994	1.041	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1998	1.003	1.000	1.000	1.002	0.998	1.000	1.000	1.000			
12/31/1999	1.034	1.004	0.990	1.027	1.000	0.999	1.000 *	1.000 *			
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000 *	1.000 *	1.000 *			
12/31/2001	0.983	1.002	1.000	1.005	1.002 *	1.000 *	1.000 *	1.000 *			
12/31/2002	1.030	1.003	1.004								
12/31/2003	0.995	0.994									
12/31/2004	1.001										
3 Yr Mean	1.009	1.000	1.001	1.011	0.999 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.998	1.002	0.999	1.002	1.000 *	1.000 *	1.000 *	1.000 *			

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

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

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1997	157,727	122,846	167,989	148,509	149,509	156,242	157,010	189,866	194,714	174,444	221,954
12/31/1998	157,924	224,899	253,590	229,478	251,902	259,200	225,813	222,912	284,696	286,522	285,522
12/31/1999	126,641	317,779	318,867	283,866	309,479	293,503	274,445	273,947	280,945	273,945	273,945
12/31/2000	150,416	248,134	188,848	196,780	189,280	253,280	237,878	257,878	215,285	215,285	215,285
12/31/2001	208,337	185,152	211,169	225,824	225,824	216,726	265,726	270,726	265,727	267,726	365,726
12/31/2002	126,361	142,070	179,489	193,002	260,082	377,800	491,895	473,896	511,136	547,821	575,216
12/31/2003	301,928	273,260	286,387	400,997	521,569	603,103	647,217	719,333	800,317	989,921	1,086,391
12/31/2004	271,414	148,753	234,289	358,922	445,685	636,408	620,290	908,519	1,012,477	1,091,692	1,300,429
12/31/2005	197,281	268,813	319,792	399,663	440,559	544,464	604,272	604,850	649,740	1,097,958	1,212,221
12/31/2006	329,693	314,413	429,191	574,642	694,425	791,636	765,563	789,657	977,751	1,111,968	1,015,782
12/31/2007	444,093	654,857	681,805	622,939	592,373	583,394	587,261	684,261	681,411	678,189	
12/31/2008	341,102	249,777	378,523	377,040	388,540	386,540	486,540	486,540	480,041		
12/31/2009	183,622	185,756	157,956	156,256	156,356	263,169	263,069	363,069			
12/31/2010	263,109	267,778	262,233	266,329	360,329	360,329	360,329				
12/31/2011	318,781	343,489	316,318	337,818	315,907	325,907					
12/31/2012	301,846	261,235	268,400	276,297	262,657						
12/31/2013	508,761	545,111	574,416	724,757							
12/31/2014	426,117	524,296	517,358								
12/31/2015	669,243	760,156									
12/31/2016	1,081,583										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1997	224,822	234,855	241,102	235,639	242,201	242,200	242,200	242,200	242,200		
12/31/1998	285,637	285,637	285,637	285,637	285,637	285,637	285,637	285,637	285,637		
12/31/1999	273,945	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 *

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

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>
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												

A.Y.E	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1997	-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						
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1997	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/1998	1.000	1.000	0.998	1.000	1.000	1.000 *	1.000 *
12/31/1999	1.051	1.007	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2000	0.982	1.008	1.008	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2001	1.036	1.088	1.002 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.013						
Best 3/5	1.016	1.005	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.022

Months-to-Ultimate	Cumulative Incremental Factors						
	15	27	39	51	63	75	87
	0.452	0.394	0.334	0.286	0.245	0.202	0.158
Months-to-Ultimate	99	111	123	135	147	159	171
	0.107	0.100	0.094	0.077	0.045	0.025	0.000

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 1.017 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 \* .904 \* .938

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	171140	1102381	.54797	.3737	.666	.806	.683	-27.6	.058	.042	L
10145	95876	896505	.17043	.3346	.548	.663	.562	-23.1	.013	.010	L
10146	49160	425532	.43854	.2235	.670	.811	.688	-28.0	.025	.018	L
10352	60072	307245	.33183	.1896	.660	.799	.678	-27.3	.110	.080	L
11039	442482	2475834	.88365	.5502	.818	.990	.839	-16.0	.075	.063	
11258	57094	190985	.12811	.1532	.644	.780	.661	-27.9	.330	.238	L
11259	994	3399	.00000	.0870	.673	.815	.691	-27.9	.183	.132	L
11288	91551	594920	.89089	.2675	.778	.942	.799	-19.6	.092	.074	
12374	310869	1231234	.58621	.3960	.677	.820	.695	-27.4	.095	.069	L
12375	171068	929049	.51364	.3411	.661	.800	.678	-27.3	.066	.048	L
13673	316583	2428379	.96863	.5458	.864	1.046	.887	-8.3	.012	.011	
13720	37864	300750	.37156	.1876	.669	.810	.687	-27.8	.079	.057	L
14401	78051	325101	.73483	.1949	.737	.892	.756	-24.3	.181	.137	
15224	110278	689067	.93101	.2898	.793	.960	.814	-18.3	.071	.058	
16900	860962	4220973	.78849	.6688	.772	.935	.793	-20.9	.139	.110	
16901	3127495	12255646	1.06028	.8504	1.012	1.225	1.039	3.7	.163	.169	
16902	191653	1029536	.60119	.3604	.688	.833	.706	-27.2	.114	.083	L
16905								-20.9	.139	.110	
16906								3.7	.163	.169	
16910	3780034	16316294	.80842	.8829	.800	.969	.822	-17.4	.086	.071	
16911	221590	1197867	.88816	.3904	.796	.964	.817	-18.4	.076	.062	
16915	119772	719884	1.07537	.2969	.838	1.015	.861	-13.7	.073	.063	
16916	1686764	8142847	.70917	.7921	.715	.866	.734	-26.4	.091	.067	
16920	20948	121394	.88613	.1298	.757	.916	.777	-22.2	.162	.126	
16921	2065	10331	.00000	.0896	.671	.812	.689	-27.5	.091	.066	L
16930	94736	397039	1.36287	.2156	.872	1.056	.895	-10.3	.195	.175	
16931	61159	160339	.14826	.1430	.653	.791	.671	-27.7	.112	.081	L
16940	1054	6854	.00000	.0883	.672	.814	.690	-27.2	.092	.067	L
16941	33176	148663	.19013	.1391	.661	.800	.678	-27.4	.164	.119	L
18435	292923	1836373	.93835	.4823	.834	1.010	.856	-15.0	.060	.051	
18436	26211	147565	.27566	.1387	.673	.815	.691	-27.9	.280	.202	L
18501	616828	3290670	.70846	.6147	.720	.872	.739	-26.3	.019	.014	
45900	88352	539902	.00000	.2538	.550	.666	.565	-27.2	.092	.067	L
49617	466225	2823347	1.06917	.5802	.930	1.126	.955	-4.8	.145	.138	
57001	26934	181021	2.38651	.1499	.984	1.191	1.010	0.0	.017	.017	

X-TILDE: .824 X-TILDE (MONOLINE): .826 PI-TILDE: .0050173  
 TAU SQUARED: .03000 SIGMA SQUARED: 71914.55236

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

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.000 \* .938

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	5969	51539	1.89891	.0925	.992	1.045	.980	0.0	.018	.018	
10042	1206601	7060793	1.09967	.8494	1.069	1.126	1.056	7.1	.280	.300	
10060	4469	23229	.00000	.0737	.833	.878	.824	-17.7	.079	.065	
10065	22864	247979	.10784	.2045	.737	.777	.729	-26.7	.030	.022	
10066	5042	23944	4.43831	.0742	1.162	1.224	1.148	14.0	.050	.057	
10071	646327	3754190	.90935	.7516	.907	.956	.897	-10.4	.106	.095	
10073	13305869	49368539	.95301	.9750	.952	1.003	.941	-6.3	.640	.600	
10075	1130	23547	.09088	.0739	.840	.885	.830	-17.0	.153	.127	
10107	70693	495593	.57202	.3116	.797	.840	.788	-21.4	.206	.162	
10115	89558	434576	.49604	.2880	.783	.825	.774	-23.0	.100	.077	
10309	31510	224455	.16007	.1926	.757	.798	.749	-27.3	.022	.016	
11020	6533	46371	18.58271	.0891	2.475	2.608	2.446	24.4	.082	.102	U
11127	111592	773078	.49431	.4019	.737	.777	.729	-25.0	.012	.009	
11128	23322	181514	1.64536	.1698	1.026	1.081	1.014	1.9	.053	.054	
11204	25634	160105	1.43519	.1580	.984	1.037	.973	-2.6	1.550	1.510	
11234	34435	224185	.35599	.1924	.795	.838	.786	-20.8	.077	.061	
12014	23754	253031	.05453	.2070	.724	.763	.716	-27.9	.043	.031	
12356	12751	93264	.14535	.1189	.810	.854	.801	-18.8	.032	.026	
12510	8783	57460	.00000	.0963	.813	.857	.804	-20.0	.035	.028	
12805	763197	5562860	1.11464	.8167	1.075	1.133	1.063	6.2	.097	.103	
13351	551926	4623152	1.20874	.7878	1.143	1.204	1.129	13.3	.030	.034	
13352	16538	75589	.33591	.1079	.839	.884	.829	-17.3	.052	.043	
13506	132198	653153	.93247	.3659	.911	.960	.900	-9.9	.091	.082	
13507	114083	423613	.86186	.2836	.889	.937	.879	-12.1	.182	.160	
13716	579425	5107967	.87890	.8038	.883	.930	.872	-12.8	.094	.082	
13759	24852	146836	.01926	.1505	.767	.808	.758	-24.1	.145	.110	
14101	12820	103622	.81236	.1252	.888	.936	.878	-12.1	.033	.029	
14279	201102	1323513	.17851	.5253	.521	.549	.515	-27.8	.090	.065	L
14913	75607	349604	1.25560	.2523	.989	1.042	.977	-2.4	.124	.121	
15538	22089	169832	.11790	.1634	.772	.813	.763	-21.7	.023	.018	
15600	4576	39185	.00000	.0844	.823	.867	.813	-18.4	.103	.084	
15608	1695	18794	.00000	.0707	.836	.881	.826	-18.2	.011	.009	
15839	21773	187878	.11447	.1733	.763	.804	.754	-25.8	.031	.023	
15991	40893	343413	.55723	.2495	.814	.858	.805	-19.5	.077	.062	
15993	9141	62628	1.94338	.0997	1.003	1.057	.991	0.0	.041	.041	
16403	63597	560549	.39282	.3351	.730	.769	.721	-27.4	.113	.082	L
16676	1532	13607	.00448	.0671	.839	.884	.829	-20.0	.015	.012	

X-TILDE: .941 X-TILDE (MONOLINE): .949 PI-TILDE: .0026912  
 TAU SQUARED: .14511 SIGMA SQUARED: 194960.58148

- 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 \* 1.000 \* .938

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	68437	550775	1.75803	.3317	1.184	1.248	1.171	17.1	.123	.144
18109	524	3950	.00000	.0605	.845	.890	.835	-17.1	.035	.029
18110	116285	581764	.39164	.3424	.725	.764	.717	-28.0	.050	.036
18206	330669	2924061	1.01857	.7033	.983	1.036	.972	-2.9	.069	.067
18335	8586	104508	.06066	.1257	.794	.837	.785	-23.5	.017	.013
18506	85	385	.00000	.0580	.847	.893	.838	-14.3	.007	.006
18507	1292	12950	.00000	.0667	.839	.884	.829	-22.2	.009	.007
18708	9860	58297	.94110	.0969	.903	.952	.893	-9.1	.011	.010
18834	5161	50282	.00000	.0917	.817	.861	.808	-18.8	.101	.082
18911	5975	65608	.18613	.1016	.827	.871	.817	-15.8	.019	.016
18912	1171	6283	1.39487	.0621	.930	.980	.919	-6.9	.029	.027
18920	631	20571	.00000	.0719	.835	.880	.825	-15.0	.020	.017
45819	621900	4327242	.66497	.7767	.717	.756	.709	-27.9	.061	.044
49618	405	3214	.00000	.0599	.845	.890	.835	-16.7	.048	.040
49619	132952	887729	1.11911	.4326	.994	1.047	.982	-1.4	.074	.073

L

X-TILDE: .941 X-TILDE (MONOLINE): .949 PI-TILDE: .0026912  
 TAU SQUARED: .14511 SIGMA SQUARED: 194960.58148

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- U - CAPPED UP
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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 11

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.006 \* .938

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	-6.3	.640	.600	
92054	0	28	.00000	.1250	.755	.872	.823	-17.9	.390	.320	
92055	1606	6086	.00000	.1256	.754	.871	.822	-18.9	.370	.300	
95124	663169	4900628	.75172	.4493	.813	.939	.886	-12.0	.750	.660	
98303	128344	505485	1.31733	.1751	.942	1.088	1.027	2.7	9.740	10.000	
98304	3117229	13669718	.91692	.6689	.899	1.038	.979	-2.2	3.660	3.580	
98305	3073696	13371884	.95783	.6644	.926	1.069	1.009	0.6	1.580	1.590	
98306	47218	129220	.08893	.1384	.756	.873	.824	-17.8	1.350	1.110	
98307	2737	13271	.18612	.1264	.777	.897	.846	-15.5	.840	.710	
98308	294194	1611033	1.63817	.2669	1.070	1.236	1.166	16.7	.600	.700	
98309	58824	201847	.19940	.1457	.766	.885	.835	-16.5	4.130	3.450	
98344	55785	309440	.87846	.1564	.865	.999	.943	-6.3	.630	.590	
98449	2685438	9414660	1.04976	.5895	.973	1.124	1.061	6.0	25.200	26.700	
98805	317859	1390000	.50862	.2502	.774	.894	.844	-15.4	1.560	1.320	
98813	519166	2308297	1.09561	.3150	.936	1.081	1.020	2.0	2.460	2.510	
98967	1581390	6699654	.70756	.5153	.783	.904	.853	-14.7	8.140	6.940	
99003	40997	177019	3.84937	.1432	1.290	1.490	1.406	25.0	1.200	1.500	U
99826	39653	222447	.53067	.1478	.814	.940	.887	-10.6	.660	.590	
99827	98313	603976	.32571	.1842	.764	.882	.832	-17.2	.640	.530	
99948	3828485	15527028	.85280	.6947	.856	.988	.932	-6.9	30.400	28.300	
99952	552027	1732712	1.19547	.2758	.955	1.103	1.041	4.3	21.000	21.900	
99953	326343	1232703	.83048	.2379	.855	.987	.931	-7.3	12.400	11.500	
99954	183017	901515	1.10293	.2105	.913	1.054	.995	-0.9	10.800	10.700	
99955	1941370	7768047	.39620	.5475	.607	.701	.661	-27.5	18.900	13.700	L

X-TILDE: .870 X-TILDE (MONOLINE): .866 PI-TILDE: .0073703  
 TAU SQUARED: .03000 SIGMA SQUARED: 249623.80889

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

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 12

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.012 \* .938

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	2472064	12491403	.92566	.5479	.880	1.035	.982	-1.7	6.290	6.180
91150	1546163	6842859	.85875	.4079	.839	.987	.937	-6.4	6.140	5.750
91155	6601915	23981163	.97372	.6947	.928	1.092	1.037	3.7	38.200	39.600
91340	26210459	105718348	.83972	.9078	.838	.986	.936	-6.4	9.320	8.720
91341	9064707	37695137	.95633	.7800	.927	1.091	1.036	3.7	3.820	3.960
91342	14412325	55710370	.90611	.8390	.893	1.051	.998	-0.2	4.740	4.730
91343	385110	1804691	1.43334	.1821	.936	1.101	1.045	4.4	1.360	1.420
91436	359809	1745333	.55475	.1784	.777	.914	.868	-13.1	3.140	2.730
91507	66765	306092	.02490	.0774	.763	.898	.852	-14.9	4.640	3.950
91551	1113866	6298753	.56775	.3897	.725	.853	.810	-18.6	.860	.700
91555	269739	1170419	.18668	.1408	.735	.865	.821	-17.9	1.400	1.150
91560	13667474	59559181	.95225	.8478	.933	1.098	1.042	4.2	4.750	4.950
91577	1785418	8977112	.66609	.4699	.750	.882	.837	-16.2	3.390	2.840
91746	3678188	18658231	.74108	.6406	.771	.907	.861	-13.9	5.820	5.010
92101	604944	3107594	.98322	.2555	.865	1.018	.966	-3.5	2.830	2.730
92102	622950	3552573	.77890	.2777	.812	.955	.907	-9.4	3.200	2.900
92215	9702523	47722838	.93176	.8173	.912	1.073	1.019	1.9	3.120	3.180
92338	4956143	19512101	.95776	.6506	.911	1.072	1.018	1.9	2.070	2.110
92446	270480	1771268	.54768	.1800	.775	.912	.866	-13.3	2.330	2.020
92447	55090	352796	.05083	.0811	.762	.896	.851	-15.0	2.200	1.870
92451	2182873	13943250	.94413	.5738	.893	1.051	.998	0.0	2.050	2.050
92478	19287362	94824005	.89096	.8983	.884	1.040	.987	-1.5	1.980	1.950
94007	12635606	47674181	.72701	.8171	.745	.876	.832	-16.7	6.630	5.520
94276	2130428	9398312	.83753	.4807	.831	.978	.928	-7.1	5.760	5.350
94569	2402585	13097449	.77438	.5591	.797	.938	.890	-10.9	3.130	2.790
95410	7046963	29393417	.95271	.7352	.919	1.081	1.026	2.6	3.100	3.180
95455	1643297	6101345	.68491	.3829	.771	.907	.861	-14.0	2.640	2.270
95505	118057	594836	.04750	.0996	.748	.880	.835	-16.4	2.810	2.350
95625	1310374	6491578	.86783	.3963	.842	.991	.941	-5.9	3.410	3.210
95647	30562154	152015377	.86042	.9339	.858	1.009	.958	-4.2	5.740	5.500
96053	688071	2642410	.70754	.2309	.798	.939	.891	-10.9	5.800	5.170
96410	1903991	8806968	.77530	.4655	.802	.944	.896	-10.4	10.100	9.050
96611	281544	1234302	1.98746	.1452	.994	1.169	1.110	11.3	1.500	1.670
97447	8736985	36127207	.86401	.7727	.855	1.006	.955	-4.5	4.930	4.710
97650	502668	2316117	.65672	.2126	.789	.928	.881	-11.9	4.450	3.920
97651	435009	1461851	.54292	.1603	.780	.918	.871	-12.9	5.210	4.540
97652	74173	311684	.18957	.0778	.776	.913	.867	-13.3	5.420	4.700

X-TILDE: .852 X-TILDE (MONOLINE): .850 PI-TILDE: .0032938  
 TAU SQUARED: .03000 SIGMA SQUARED: 342078.88286

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

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 12

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.012 \* .938

CLASS	AYE 2016	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI							
	ALCCL	ALCCL	EXPERIENCE		ER		FACTOR	%	OCCUR	OCCUR
	(1)	(2)	RATIO	(4)	(5)	(6)	(7)	(8)	(9)	(10)
97653	696963	3054647	1.04822	.2528	.881	1.036	.983	-1.9	2.690	2.640
97654	99829	575377	.43429	.0981	.787	.926	.879	-12.1	3.390	2.980
97655	1858919	7618159	.68450	.4321	.764	.899	.853	-14.7	6.250	5.330
98002	147030	566196	.00000	.0974	.745	.876	.832	-16.7	1.320	1.100
98482	29721558	139312682	.83021	.9283	.830	.976	.926	-7.4	8.340	7.720
98483	35460591	159537228	.85030	.9368	.849	.999	.948	-5.1	19.700	18.700
98502	405662	1972976	.84336	.1924	.829	.975	.926	-7.5	4.140	3.830
98636	1982207	10581310	.93695	.5086	.882	1.038	.985	-1.4	3.580	3.530
98677	7049509	24797572	.71501	.7016	.748	.880	.835	-16.6	14.500	12.100
98678	3855276	15475430	.73469	.5981	.771	.907	.861	-13.9	18.000	15.500
98806	720766	4034578	.69090	.3002	.785	.924	.877	-12.3	3.670	3.220
98820	3992796	17710854	.70280	.6290	.748	.880	.835	-16.6	4.700	3.920
98884	2073672	10683238	.73729	.5109	.780	.918	.871	-12.9	1.780	1.550
99004	45546	201117	.98270	.0691	.836	.984	.934	-6.5	2.170	2.030
99080	1054318	4073348	1.26117	.3020	.957	1.126	1.069	6.9	7.960	8.510
99315	1150805	5913035	.67044	.3761	.767	.902	.856	-14.6	1.990	1.700
99321	2404599	12405051	.79521	.5463	.809	.952	.904	-9.5	2.850	2.580
99613	1492519	7561253	.71776	.4304	.779	.916	.870	-12.9	2.790	2.430
99650	614855	3019447	1.05282	.2510	.882	1.038	.985	-1.0	.980	.970
99746	3347856	16302101	.75730	.6101	.784	.922	.875	-12.3	3.000	2.630

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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 \* .932 \* .938

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	61096	193637	.05239	.1534	.521	.765	.669	-27.9	4.010	2.890	L
91127	1421463	7889033	.61469	.6875	.612	.899	.786	-21.6	2.270	1.780	
91235	523459	3628183	.75243	.5197	.682	1.001	.875	-12.5	2.720	2.380	
91265	39572	274814	.00668	.1684	.505	.742	.649	-27.8	4.420	3.190	L
91266	254998	1227220	.32913	.3114	.519	.762	.666	-27.4	1.460	1.060	L
91280	16607	113604	.00000	.1381	.522	.767	.671	-28.0	4.290	3.090	L
94381	3092721	13668107	.69283	.7879	.674	.990	.865	-13.4	20.200	17.500	
94404	118166	442945	.39595	.1978	.564	.828	.724	-27.6	8.660	6.270	
95310	478524	2971454	.26415	.4764	.443	.651	.569	-27.6	1.960	1.420	L
96408	1901337	8220955	.58681	.6957	.593	.871	.761	-24.0	19.600	14.900	
96409	1938453	10948481	.92737	.7501	.847	1.244	1.088	8.8	9.080	9.880	
97221	1245798	7708387	.54961	.6828	.567	.833	.728	-27.5	1.490	1.080	
97222	5386161	29906776	.64810	.8886	.643	.944	.825	-17.6	2.960	2.440	
97223	3485331	18138660	.84102	.8302	.801	1.176	1.028	2.7	3.290	3.380	
98152	434718	2734585	.95966	.4588	.768	1.128	.986	-2.5	.400	.390	
98157	127040	855302	.59978	.2619	.604	.887	.775	-23.1	.650	.500	
98163	9488	64715	.00000	.1285	.528	.775	.678	-26.1	.460	.340	L
98164	38449	147173	.00000	.1446	.518	.761	.665	-28.0	.150	.108	L
98659	465	2963	.00000	.1160	.535	.786	.687	-27.8	.790	.570	L
98914	553	2342	.00000	.1159	.535	.786	.687	-27.1	1.070	.780	L
98949	2454	12754	.00000	.1180	.534	.784	.685	-27.0	.630	.460	L
98993	1509458	9363302	.60244	.7212	.603	.885	.774	-22.6	5.310	4.110	
99163	1406	7114	.00000	.1168	.535	.786	.687	-27.7	.940	.680	L
99803	14563	138209	.48852	.1429	.589	.865	.756	-24.4	9.600	7.260	
99946	2883547	14759126	.75077	.8001	.722	1.060	.927	-7.3	3.160	2.930	
99969	733955	3983185	.92766	.5403	.780	1.145	1.001	0.0	2.420	2.420	

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 TAU SQUARED: .03000 SIGMA SQUARED: 129303.70227

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NORTH DAKOTA GL-2018-BGL1  
 BASIC LIMIT LOSS COST LEVEL  
 GENERAL LIABILITY OTHER THAN PROFESSIONAL  
 PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS  
 ACTUARIAL ANALYSIS SUPPLEMENT

---

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

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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	-5.4%	-5.4%
OL&T	-5.3%	-5.3%
Premises/Operations	-5.4%	-5.4%
Products	-6.4%	-6.4%
Local Products/Completed Operations	-7.8%	-7.8%
Products/Completed Operations	-7.5%	-7.5%
GL Overall	-6.0%	-6.0%

---

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

---

HISTORICAL SOURCE DATA

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

ISO reporting companies' voluntary experience.  
 Calendar - accident year data through year ended 12/31/2016 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.

---

CALL TO CALL  
COMPARISON

Manufacturers and  
Contractors

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 14.9%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 6.6% decrease in ALCCL;
- Implemented loss cost level change (- 8.2%);
- A change in exposure trend plus an additional year of trending (+ 2.8%);
- The effect on ALCCL due to a change in average IPMFs (- 2.2%).

The Basic Limit Experience Ratio (BLER) decreased in 2014 (-7.4%) and 2015 (-5.9%). This is mainly due to favorable 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 8.0%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused an 4.4% decrease in ALCCL;
- Implemented loss cost level change (+ 1.1%);
- A change in exposure trend plus an additional year of trending (+ 0.3%).
- The effect on ALCCL due to a change in average IPMFs (- 3.8%).

The BLERs decreased in 2013 (-23.0%), 2014 (-48.1%) and 2015 (-22.6%). This is mainly due to favorable experience across several class groups.

---

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 8.6% 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 (- 0.7%).

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

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LATEST CALL  
YEAR TO YEAR  
COMPARISON

Manufacturers and  
Contractors

The ALCCL increased from 2012 to 2013 then decreased thereafter.

The low BLERs for 2012 (0.866), 2013 (0.646), 2014 (0.688) and 2015 (0.570) are attributable to favorable experience in several class groups.

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Owners, Landlords  
and Tenants

The ALCCL increased steadily from 2012 to 2016.

The low BLERs for 2012 (0.841), 2013 (0.670), 2014 (0.366), 2015(0.694) and 2016 (0.572) are attributable to favorable experience in several class groups.

---

Products

The ALCCL increased steadily from 2012 to 2016.

The BLER decreased steadily from 2012 to 2016.

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Local Products/  
Completed Ops

The ALCCL increased steadily from 2012 to 2016.

The BLER decreased steadily from 2012 to 2016.

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LOSS  
DEVELOPMENT  
FACTOR  
COMPARISON

Manufacturers and  
Contractors

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 have increased compared to the 2017 review.

The multistate deductible coverage BI and PD indemnity factors have increased compared to the 2017 review.

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

---

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 those in the 2017 review.

The multistate Fringe indemnity factors remained stable compared to those in the 2017 review.

---

Products

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

The multistate deductible coverage BI and PD indemnity development factors have decreased compared to the 2017 review. The fluctuations in these factors are due to the low volume of the deductible coverage data.

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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. 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	<p>The BI severity trend selection is +4.0%, up from +3.5% in the previous Calendar review.</p> <p>The PD severity trend selection is +4.0%, unchanged from +4.0% in the previous Calendar review.</p> <p>The Fringe severity trend selection is +1.0%, unchanged from +1.0% in the previous Calendar review.</p>
	Owners, Landlords and Tenants	<p>The BI severity trend selection is +4.5%, unchanged from +4.5% in the previous Calendar review.</p> <p>The PD severity trend selection is +4.5%, unchanged from +4.5% in the previous Calendar review.</p> <p>The Fringe severity selection is +3.5%, down from +5.0% in the previous Calendar review.</p>
	Products	<p>The BI severity trend selection is +2.5%, unchanged from +2.5% in the previous review.</p> <p>The PD severity trend selection is +6.5%, unchanged from +6.5% in the previous review.</p>
	Local Products/ Completed Ops	<p>The BI severity trend selection is +2.5%, down from +3.0% in the previous review.</p> <p>The PD selected severity trend is +4.0%, unchanged from +4.0% in the previous review.</p>

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.

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Manufacturers and  
Contractors

The latest frequency point is lower than the prior point.

---

Owners, Landlords  
and Tenants

The latest frequency point is lower than the prior point.

---

Products

The latest frequency point is lower than the prior point.

---

Local Products/  
Completed Ops

The latest frequency point is lower than the prior point.

---

EXPOSURE  
TREND  
COMPARISON

Manufacturers and  
Contractors

The exposure trend factors for Manufacturers are higher than those used in the previous review for all three years. The exposure trend factors for Contractors are higher than those used in the previous review for the earliest two years and the same for the latest year.

---

Owners, Landlords  
and Tenants

The exposure trend factors for Class Groups 1-13 are slightly lower than those used in the previous review for all three years. For Class Group 16, the exposure trend factors for the earliest year is lower than the previous review and higher for the latest two years.

---

Products

The exposure trend factors are higher than those used in the previous review all three years.

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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.

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WEIGHTED  
AVERAGE  
IMPLICIT  
PACKAGE  
MODIFICATION  
FACTOR (IPMF)  
COMPARISON

Manufacturers and  
Contractors

The current weighted average IPMF is 1.087. In the 2017 review the weighted average IPMF was 1.120.

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Owners, Landlords  
and Tenants

The current weighted average IPMF is 1.047. In the 2017 review the weighted average IPMF was 1.095.

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Products

The current multistate weighted average IPMF is 0.815. In the 2017 review the multistate weighted average IPMF was 0.799.

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Local Products/  
Completed Ops

The current multistate weighted average IPMF is 0.994. In the Group 1, 2017 review the multistate weighted average IPMF was 0.999.

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The IPMF's are applied to the multiline ALCCCL.

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CLASS GROUP/  
TERRITORY/  
STATE RELATIVE  
CHANGE

The class group relative changes for Manufacturers and Contractors vary within reasonable limits.

The class group relative changes for Owners, Landlords and Tenants vary within reasonable limits.

For Local Products, North Dakota's state balanced relative change (1.031) ranks 13th highest overall. In last year's review, North Dakota's state balanced relative change (1.046) ranked 8th highest overall.

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CHANGE IN  
COMPANY MIX  
SINCE LAST CALL

For Manufacturers and Contractors the change in company mix results in an average decrease of 14.9% in the total statewide ALCCCL.

For Owners, Landlords and Tenants, the change in company mix results in an average decrease of 8.0% in the total statewide ALCCCL.

For Products, the change in company mix results in a 1.2% decrease in the total multistate ALCCCL.

For Local Products/Completed Operations, the change in company mix results in a 6.2% decrease in the total multistate ALCCCL.

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\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.076	.224	10205	.098	–	11210	2.04	–	13207	(a)	(a)
10015	4.67	–	10220	1.85	–	11211	10.60	–	13208	(a)	(a)
10020	(a)	(a)	10255	.129	.152	11212	1.61	–	13314	.047	.02
10026	.25	.018	10256	.47	.158	11213	1.31	–	13351	.115	.034
10036	.35	(a)	10257	.089	.187	11214	3.23	–	13352	.117	.043
10040	.058	.30	10309	.064	.016	11222	.054	–	13410	.74	2.55
10042	.145	.30	10315	.15	(a)	11234	.111	.061	13411	(a)	(a)
10052	3.23	–	10331	6.33	–	11248	.025	.022	13412	.25	1.11
10054	2.87	–	10332	10.90	–	11258	.51	.238	13453	.29	(a)
10060	.07	.065	10352	.248	.08	11259	.55	.132	13454	.34	(a)
10065	.104	.022	10367	2.73	–	11273	5.48	–	13455	.34	(a)
10066	.107	.057	10368	4.00	–	11274	5.26	–	13461	(a)	(a)
10070	.043	.141	10375	(a)	–	11288	.63	.074	13506	.36	.082
10071	.125	.095	10378	6.41	–	12014	.053	.031	13507	.43	.16
10072	3.09	–	10379	2.98	–	12356	.47	.026	13590	.26	.77
10073	.54	.60	10380	5.08	–	12361	.056	.091	13621	.065	.42
10075	4.03	.127	10381	4.40	–	12362	.048	(a)	13670	.031	.013
10100	.43	.042	11007	1.16	–	12373	.018	.031	13673	.39	.011
10101	.094	.191	11020	.119	.102	12374	.242	.069	13715	.048	.151
10105	1.02	–	11039	.47	.063	12375	.119	.048	13716	.178	.082
10107	1.66	.162	11052	3.22	–	12391	.036	.10	13720	.219	.057
10110	15.90	–	11101	(a)	(a)	12393	.158	(a)	13759	.07	.11
10111	.095	.098	11120	(a)	–	12467	.066	(a)	13930	.102	.205
10113	.141	–	11126	.025	.024	12509	.032	.047	14068	.015	.018
10115	.28	.077	11127	.242	.009	12510	.41	.028	14101	.18	.029
10117	4.64	–	11128	.33	.054	12583	.182	(a)	14279	.247	.065
10119	(a)	–	11138	1.58	–	12651	.53	.56	14401	.52	.137
10120	10.40	–	11155	.084	–	12683	.243	(a)	14405	.68	–
10130	1.39	–	11160	(a)	(a)	12707	.31	.79	14527	.194	.202
10132	1.20	–	11167	.74	–	12797	.066	.168	14655	.035	–
10133	3.09	–	11168	3.84	–	12805	.127	.103	14731	3.19	–
10135	(a)	–	11201	10.20	–	12841	.211	–	14732	.236	–
10140	.026	.02	11202	3.01	–	12927	.037	–	14733	.244	–
10141	.051	.022	11203	.56	.65	13049	.029	.058	14734	.104	–
10145	.247	.01	11204	.123	1.51	13111	.48	.113	14855	.114	.20
10146	.19	.018	11205	(a)	–	13112	.047	.083	14913	.131	.121
10150	.195	(a)	11206	.47	–	13201	.47	.201	15060	(a)	(a)
10151	4.90	–	11207	5.96	–	13204	.53	1.24	15061	(a)	(a)
10160	.87	–	11208	1.02	–	13205	.204	.45	15062	.102	(a)
10204	.088	–	11209	4.80	–	13206	(a)	(a)	15063	.119	(a)

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.092	-	16750	.041	.041	18707	.007	.003	40117	(a)	-
15119	(a)	-	16751	.041	-	18708	.045	.01	40140	(a)	-
15120	(a)	-	16819	.62	(a)	18833	.085	(a)	41001	.174	-
15123	3.08	-	16820	.48	(a)	18834	.117	.082	41210	(a)	-
15124	1.08	-	16881	.64	(a)	18911	.37	.016	41421	.28	-
15188	.18	(a)	16890	.072	(a)	18912	.69	.027	41422	.149	-
15223	.037	.035	16891	.079	(a)	18920	.18	.017	41510	18.50	-
15224	.232	.058	16892	.144	(a)	18991	(a)	-	41603	13.20	-
15300	(a)	-	16900	1.71	.11	19007	1.21	-	41604	7.25	-
15314	.084	(a)	16901	1.10	.169	19051	2.67	-	41620	.85	-
15404	.047	(a)	16902	.93	.083	19061	(a)	-	41650	18.60	-
15405	.069	(a)	16905	1.80	.11	19795	.121	(a)	41664	22.00	-
15406	.175	.047	16906	1.15	.169	19796	.141	-	41665	2.58	-
15488	.44	(a)	16910	1.03	.071	40005	(a)	-	41666	(a)	-
15538	.15	.018	16911	.93	.062	40006	(a)	-	41667	60.20	-
15600	.38	.084	16915	1.05	.063	40010	(a)	-	41668	56.50	-
15607	.12	-	16916	.88	.067	40015	(a)	-	41669	.40	-
15608	.084	.009	16920	2.33	.126	40020	(a)	-	41670	.66	-
15656	2.48	-	16921	2.13	.066	40026	(a)	-	41672	(a)	-
15699	.30	-	16930	1.34	.175	40031	(a)	-	41673	(a)	-
15733	.114	.044	16931	1.45	.081	40032	(a)	-	41675	(a)	-
15839	.113	.023	16940	2.91	.067	40040	(a)	-	41677	.176	-
15991	.092	.062	16941	1.17	.119	40041	(a)	-	41678	40.20	-
15993	.078	.041	18078	.086	.144	40042	(a)	-	41679	(a)	(a)
16005	.025	.04	18109	.154	.029	40045	146.00	-	41680	9.66	-
16009	.14	.073	18110	.123	.036	40046	28.80	-	41696	.56	-
16402	.56	-	18200	(a)	-	40047	10.30	-	41697	.39	-
16403	.35	.082	18205	.133	.36	40059	3.67	-	41700	(a)	-
16404	.44	-	18206	.199	.067	40061	1.95	-	41715	6.13	-
16471	.169	-	18335	.143	.013	40063	65.20	-	41716	3.90	-
16501	.053	(a)	18435	.45	.051	40064	19.20	-	43007	(a)	-
16527	.082	.42	18436	.36	.202	40066	(a)	-	43117	(a)	-
16588	.065	(a)	18437	.205	(a)	40067	(a)	-	43151	8.57	-
16604	.109	.212	18438	.39	(a)	40069	(a)	-	43152	12.00	-
16670	2.63	-	18501	.41	.014	40072	(a)	-	43200	32.60	-
16676	.117	.012	18506	.228	.006	40075	17.20	-	43215	(a)	-
16694	.215	(a)	18507	.074	.007	40101	15.30	-	43421	8.94	-
16705	.152	.173	18570	.77	-	40102	13.50	-	43422	46.90	-
16722	(a)	-	18575	(a)	(a)	40111	5.16	-	43424	(a)	-
16723	(a)	-	18616	.173	.61	40115	(a)	-	43470	3.24	-

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43517	(a)	-	44277	28.40	-	46004	17.70	-	47471	2.42	-
43518	9.45	-	44280	.176	-	46005	14.10	-	47473	3.16	-
43550	31.90	-	44311	4.88	-	46112	.06	-	47474	3.53	-
43551	17.70	-	44315	3.28	-	46202	1.81	-	47475	2.79	-
43626	7.55	-	44427	55.20	-	46362	140.00	-	47476	2.79	-
43628	98.10	-	44428	55.60	-	46426	20.50	-	47477	3.72	-
43629	83.20	-	44429	.83	-	46427	27.40	-	47478	3.90	-
43754	(a)	-	44430	.58	-	46510	(a)	-	47600	(a)	-
43760	2.77	-	44431	1.85	-	46590	(a)	-	47610	(a)	-
43822	2.58	-	44432	.59	-	46603	1.72	-	48039	23.10	-
43840	.032	-	44433	18.70	-	46604	1.98	-	48177	(a)	-
43860	2.03	-	44434	35.70	-	46606	5.29	-	48178	(a)	-
43889	.73	-	44435	37.00	-	46607	7.27	-	48206	20.00	-
43945	(a)	-	44436	43.20	-	46622	7.53	-	48252	(a)	-
43946	(a)	-	44437	35.80	-	46671	(a)	-	48441	.084	-
43990	(a)	(a)	44438	28.30	-	46700	65.60	-	48557	8.39	-
43991	(a)	-	44439	55.10	-	46773	(a)	-	48558	7.30	-
44009	3.76	-	44440	45.60	-	46822	(a)	-	48600	41.00	-
44010	(a)	(a)	44500	(a)	-	46881	(a)	-	48610	(a)	-
44069	8.07	-	44501	(a)	-	46882	(a)	-	48636	1.72	(a)
44070	2.39	-	45190	1.43	-	46911	14.90	-	48637	6.41	-
44071	2.66	-	45191	1.01	-	46912	27.40	-	48638	3.18	-
44072	1.84	-	45192	1.18	-	46913	(a)	-	48727	(a)	-
44100	2.96	-	45193	.70	-	46914	(a)	-	48808	.64	-
44101	3.09	-	45210	.88	-	46915	(a)	-	48924	(a)	-
44102	2.41	-	45224	(a)	-	46916	(a)	-	48925	153.00	-
44103	2.13	-	45225	(a)	-	47050	.70	-	49005	.12	-
44104	.90	-	45334	18.80	-	47051	(a)	-	49111	.97	-
44105	(a)	-	45380	.133	(a)	47052	(a)	-	49181	7.56	-
44106	(a)	-	45450	5.53	-	47103	(a)	-	49183	9.22	-
44108	1.05	-	45523	(a)	-	47146	(a)	-	49184	19.40	-
44109	2.66	-	45524	(a)	-	47147	(a)	-	49185	17.70	-
44110	2.72	-	45539	(a)	-	47221	72.00	-	49239	.10	.83
44111	1.67	-	45678	.19	-	47253	(a)	-	49292	.55	-
44112	.99	-	45771	.203	.22	47254	(a)	-	49305	(a)	-
44113	(a)	-	45819	.066	.044	47318	6.14	-	49333	4.06	-
44193	(a)	-	45900	.043	.067	47367	.176	-	49451	(a)	-
44194	(a)	-	45901	.037	.06	47420	1.35	-	49452	(a)	-
44222	(a)	-	45937	.074	-	47468	(a)	-	49617	.25	.138
44276	43.80	-	45993	(a)	(a)	47469	2.79	-	49618	.213	.04

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops
49619	.40	.073	51315	.065	.116	51809	.29	.184	52341	.049	(a)
49763	2.60	—	51330	.105	.43	51833	.103	.103	52342	.143	(a)
49800	(a)	—	51333	.035	.34	51850	.25	(a)	52343	.087	(a)
49801	63.40	—	51340	.029	(a)	51851	.173	(a)	52401	.27	(a)
49802	5.62	—	51350	.16	.177	51852	.40	(a)	52402	.016	(a)
49803	9.95	—	51351	.143	.054	51853	.163	(a)	52432	.079	(a)
49840	.73	—	51352	.197	.138	51854	.37	(a)	52433	.072	1.46
49870	64.10	—	51355	.134	.116	51855	.38	(a)	52435	.09	(a)
49890	(a)	—	51356	.144	.85	51856	.21	(a)	52438	.065	(a)
49891	(a)	—	51357	.092	.43	51857	.36	(a)	52440	.102	(a)
49902	(a)	—	51358	.221	.175	51869	.078	.19	52467	.094	(a)
49903	(a)	—	51359	.194	1.01	51877	.44	.26	52469	.033	.10
50010	.17	.82	51370	.34	6.02	51889	.072	.02	52505	.165	.224
50015	.11	(a)	51380	.034	.072	51896	.034	.023	52547	.234	.093
50017	.084	(a)	51400	.247	(a)	51900	.077	.105	52581	.80	5.33
50045	.192	(a)	51401	.36	(a)	51909	.23	.066	52619	.056	(a)
50047	.022	(a)	51500	.064	.125	51919	.073	(a)	52660	.063	—
51001	.059	.53	51516	.053	—	51926	.074	.049	52744	.40	.126
51005	.012	(a)	51517	.06	—	51927	.04	.126	52767	.214	(a)
51116	.15	.55	51550	.08	.41	51934	.081	.178	52876	(a)	(a)
51201	.029	(a)	51551	.028	1.06	51941	.074	.045	52911	.045	.68
51205	.088	.111	51552	.048	.169	51942	.118	—	52967	.017	.074
51206	.014	.61	51553	.085	(a)	51956	.32	.30	53001	.165	.38
51210	.104	(a)	51554	.008	(a)	51957	.28	.42	53077	.079	.248
51211	(a)	(a)	51575	.043	.028	51958	.25	.39	53095	.054	(a)
51220	.36	3.25	51576	.153	.10	51959	.26	(a)	53096	.076	(a)
51221	.197	2.44	51600	.104	.232	51960	.034	.42	53121	.215	.54
51222	.24	3.38	51613	.069	.20	51970	.147	.25	53147	.036	(a)
51224	.25	1.19	51625	.054	(a)	51982	.043	.099	53229	.202	(a)
51230	.043	.88	51666	.068	.127	51985	.049	—	53271	.04	(a)
51240	.35	.213	51702	.163	(a)	51986	.17	.128	53333	.199	.238
51241	1.04	.34	51703	.067	(a)	51999	.072	.54	53374	.105	.45
51250	.27	(a)	51734	.127	.36	52002	.063	.112	53375	.055	.244
51251	.03	(a)	51741	.182	.28	52075	.201	.29	53376	.089	.212
51252	.105	.11	51752	.153	.199	52076	.242	(a)	53377	.091	.27
51253	.09	(a)	51767	.02	.012	52109	.016	(a)	53403	.057	(a)
51254	.028	.06	51777	.069	.084	52134	.21	.75	53425	.187	(a)
51255	.69	(a)	51790	.115	(a)	52137	.079	(a)	53565	.067	.158
51300	.095	.209	51796	.066	(a)	52150	.39	(a)	53631	.025	.025
51305	.095	1.23	51808	.235	.76	52315	.09	.27	53632	.029	.04

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
Products/Completed Operations (Prod/COPs)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
53731	.026	(a)	56170	.184	(a)	57401	.052	.113	58503	.063	.077
53732	.179	.60	56171	.09	(a)	57403	.141	.041	58532	.081	(a)
53733	.117	.26	56202	.06	.126	57410	.025	.188	58559	.017	(a)
53734	.32	–	56390	.105	.62	57411	.046	(a)	58560	.04	(a)
53803	.45	(a)	56391	.09	.36	57572	.015	.107	58561	(a)	(a)
53901	(a)	(a)	56427	.145	.146	57600	.044	.039	58575	.051	.143
53902	(a)	(a)	56488	.115	.039	57611	.099	.075	58627	.165	.022
53903	(a)	(a)	56567	.191	(a)	57625	.39	(a)	58663	.42	1.87
53904	(a)	(a)	56650	.58	(a)	57651	.047	.05	58682	.146	(a)
53905	(a)	(a)	56651	.32	(a)	57690	.128	.64	58713	.044	(a)
53907	.079	.139	56652	.227	(a)	57716	.061	.106	58737	.106	1.01
53951	(a)	(a)	56653	.219	(a)	57725	.133	.094	58756	.079	(a)
53952	(a)	(a)	56654	.112	(a)	57726	.104	.019	58757	.36	(a)
53953	(a)	(a)	56690	.06	.42	57798	.024	(a)	58759	.044	(a)
54012	.032	–	56699	.067	.051	57800	.089	(a)	58802	.05	.50
54077	.108	.39	56758	.057	.178	57808	.051	(a)	58813	.194	(a)
54444	(a)	(a)	56759	.058	.118	57809	.053	(a)	58822	.138	(a)
55010	.33	1.25	56760	.083	.127	57810	.051	.126	58837	.39	.132
55011	.088	1.14	56805	.11	(a)	57871	.061	.127	58840	.117	.128
55012	.105	1.32	56806	.078	(a)	57913	.116	.43	58873	.186	.034
55013	.169	1.05	56807	.077	(a)	57997	.07	–	58903	.032	(a)
55014	(a)	(a)	56808	.101	(a)	57998	.051	.067	58904	.024	.152
55214	.085	.103	56900	.096	(a)	57999	.084	.081	58922	.31	.241
55371	.27	.158	56910	.048	(a)	58009	.084	(a)	59005	.06	.108
55410	(a)	(a)	56911	.164	(a)	58010	.119	(a)	59057	.44	(a)
55426	.206	(a)	56912	.133	.105	58020	.152	(a)	59058	.29	(a)
55597	.021	1.99	56913	.109	(a)	58056	.142	(a)	59188	.30	.065
55647	.043	.08	56915	.64	(a)	58057	.089	(a)	59189	.41	.35
55648	.019	(a)	56916	.58	.196	58058	.08	(a)	59223	.192	.087
55649	.023	(a)	56917	.168	(a)	58095	.113	1.95	59257	.016	.021
55715	.169	.27	56918	.081	(a)	58096	.15	1.06	59306	.102	(a)
55716	.244	.59	56919	.206	(a)	58301	.064	.086	59378	.125	.175
55717	.27	(a)	56920	.187	(a)	58302	.04	.064	59481	.27	.101
55718	.26	(a)	56980	.084	(a)	58397	.235	.97	59482	.31	(a)
55802	.069	.013	57001	.029	.017	58408	.042	–	59537	.135	.172
55918	.096	4.30	57002	.019	.13	58409	.053	–	59601	.103	3.05
55919	.013	4.86	57090	.30	.71	58456	.028	–	59647	.14	.205
56040	.009	.057	57146	.191	.73	58457	.041	–	59660	.189	1.20
56041	.06	(a)	57202	.074	(a)	58458	.053	–	59661	.093	(a)
56042	.076	(a)	57257	.092	.05	58459	.063	–	59693	.016	–

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
Products/Completed Operations (Prod/COps)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.47	.066	63220	(a)	-	91190	1.63	(a)
59701	.007	.227	59970	.115	.212	64074	10.10	-	91200	.83	-
59713	.169	.37	59973	.13	(a)	64075	7.09	-	91210	(a)	-
59722	.088	.036	59975	.161	.237	64500	(a)	-	91235	2.60	2.38
59723	.033	.044	59977	.092	(a)	65007	21.80	-	91250	3.92	(a)
59724	.051	.031	59984	.035	.064	66122	9.39	-	91265	17.70	3.19
59725	.063	.103	59985	.139	(a)	66123	5.16	-	91266	9.37	1.06
59726	.046	.026	59986	.106	(a)	66309	15.10	-	91280	(a)	3.09
59738	.146	.077	59988	.041	.069	66561	34.90	-	91302	10.50	(a)
59750	.10	.28	59989	.019	.052	67017	32.40	-	91315	3.18	-
59751	.036	(a)	60010	9.92	-	67508	22.30	-	91324	7.07	(a)
59773	.018	.032	60011	11.40	-	67509	16.40	-	91325	(a)	(a)
59774	.015	.175	60012	18.70	-	67510	9.11	-	91340	4.62	8.72
59775	.019	.211	60013	16.10	-	67511	9.85	-	91341	3.47	3.96
59781	.087	.088	60015	12.00	-	67512	42.20	-	91342	4.24	4.73
59782	.13	.69	60016	13.50	-	67513	26.80	-	91343	.77	1.42
59783	.127	(a)	60035	24.60	-	67634	28.00	-	91405	5.38	-
59784	.097	(a)	61000	9.82	-	67635	19.80	-	91436	3.93	2.73
59790	.113	(a)	61212	13.20	-	68001	60.60	-	91481	14.30	-
59798	.33	.53	61216	14.70	-	68439	77.90	-	91507	2.11	3.95
59806	.237	(a)	61217	13.40	-	68500	2.18	-	91523	32.60	-
59867	.127	(a)	61218	9.13	-	68604	1.45	-	91547	.185	-
59886	.017	.131	61223	61.60	-	68606	5.69	-	91551	1.15	.70
59889	.059	.169	61224	21.80	-	68607	4.50	-	91555	1.57	1.15
59892	.127	(a)	61225	30.30	-	68702	3.70	-	91560	5.18	4.95
59904	.086	.08	61226	48.30	-	68703	2.78	-	91562	2.56	-
59905	.08	.138	61227	44.20	-	68706	11.90	-	91577	9.15	2.84
59914	.47	.70	62000	10.10	-	68707	11.80	-	91580	6.84	-
59915	.28	.88	62001	7.54	-	90089	3.32	-	91581	(a)	(a)
59917	.053	.164	62002	3.44	-	91111	3.36	6.18	91582	(a)	(a)
59923	.011	.007	62003	10.80	-	91125	2.00	2.89	91583	(a)	(a)
59925	.199	1.06	63010	17.90	-	91127	2.26	1.78	91584	(a)	(a)
59926	.169	.49	63011	22.30	-	91130	1.45	-	91585	(a)	(a)
59927	.114	1.71	63012	31.70	-	91135	.40	(a)	91586	(a)	(a)
59931	.21	.69	63013	30.10	-	91150	2.13	5.75	91587	(a)	(a)
59932	.226	1.11	63215	35.80	-	91155	4.74	39.60	91588	(a)	(a)
59941	.071	(a)	63216	24.90	-	91160	.80	-	91589	(a)	(a)
59947	.086	.39	63217	29.20	-	91175	.69	-	91590	2.65	-
59955	.027	.171	63218	9.85	-	91177	3.02	-	91591	(a)	(a)
59963	.201	.54	63219	(a)	-	91179	3.04	-	91606	14.20	-

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
Products/Completed Operations (Prod/COps)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91618	(a)	(a)	95357	1.45	–	97653	2.41	2.64	98426	1.95	(a)
91629	2.90	(a)	95358	(a)	–	97654	4.20	2.98	98427	1.90	–
91636	4.97	–	95410	3.41	3.18	97655	5.44	5.33	98428	(a)	–
91641	1.35	(a)	95455	6.01	2.27	98002	.98	1.10	98429	1.29	–
91666	.72	(a)	95487	1.83	(a)	98003	.75	(a)	98430	(a)	–
91722	4.35	(a)	95505	2.80	2.35	98090	.101	–	98449	2.73	26.70
91746	2.56	5.01	95620	1.48	(a)	98091	.11	–	98482	2.93	7.72
91805	.16	–	95625	5.00	3.21	98092	.33	–	98483	4.32	18.70
92053	.39	.60	95630	(a)	(a)	98111	.66	–	98502	4.14	3.83
92054	.136	.32	95647	3.14	5.50	98150	(a)	–	98555	1.93	–
92055	3.79	.30	95648	(a)	(a)	98151	(a)	–	98597	.43	–
92101	5.92	2.73	96053	2.39	5.17	98152	3.31	.39	98598	.148	–
92102	3.57	2.90	96317	1.50	–	98153	3.73	(a)	98601	4.95	(a)
92215	3.73	3.18	96408	2.95	14.90	98154	4.40	(a)	98622	(a)	–
92338	1.37	2.11	96409	2.73	9.88	98155	6.16	(a)	98623	(a)	–
92445	2.85	–	96410	2.39	9.05	98156	(a)	(a)	98624	.78	–
92446	4.51	2.02	96611	1.06	1.67	98157	3.94	.50	98636	3.20	3.53
92447	3.94	1.87	96702	3.39	(a)	98158	(a)	(a)	98640	85.30	–
92451	2.60	2.05	96703	(a)	–	98159	2.64	(a)	98658	6.37	–
92453	2.49	–	96816	3.18	–	98160	5.59	(a)	98659	1.14	.57
92478	1.23	1.95	96872	5.33	(a)	98161	6.27	(a)	98677	13.50	12.10
92593	34.20	–	96930	(a)	–	98162	(a)	(a)	98678	11.90	15.50
92663	.67	–	97002	(a)	(a)	98163	6.58	.34	98698	(a)	(a)
94007	8.46	5.52	97003	(a)	(a)	98164	2.20	.108	98699	3.89	(a)
94099	1.93	–	97047	3.22	–	98257	1.14	–	98705	9.01	–
94225	6.78	–	97050	2.50	–	98303	12.40	10.00	98710	2.70	–
94276	3.53	5.35	97111	4.07	–	98304	4.21	3.58	98751	4.82	–
94304	3.33	(a)	97220	.39	(a)	98305	2.58	1.59	98805	3.53	1.32
94381	6.25	17.50	97221	(a)	1.08	98306	6.65	1.11	98806	2.98	3.22
94404	3.35	6.27	97222	1.73	2.44	98307	1.33	.71	98810	3.64	–
94444	(a)	(a)	97223	2.60	3.38	98308	.88	.70	98813	3.52	2.51
94569	2.26	2.79	97308	.73	–	98309	6.21	3.45	98820	6.74	3.92
94590	9.74	–	97447	2.38	4.71	98344	.72	.59	98871	(a)	(a)
94617	3.07	–	97501	(a)	–	98405	1.19	–	98884	1.75	1.55
94638	(a)	–	97502	(a)	–	98413	11.10	(a)	98914	.78	.78
95124	1.14	.66	97503	(a)	–	98414	10.10	(a)	98949	1.09	.46
95233	2.43	–	97504	(a)	–	98415	1.33	(a)	98967	2.75	6.94
95305	2.64	–	97650	2.81	3.92	98423	3.17	(a)	98993	6.12	4.11
95306	5.70	–	97651	7.04	4.54	98424	5.38	(a)	99003	1.31	1.50
95310	6.31	1.42	97652	6.11	4.70	98425	2.21	(a)	99004	2.92	2.03

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 001											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	.93	8.51	99826	.72	.59						
99081	(a)	-	99827	.33	.53						
99082	(a)	-	99851	1.36	-						
99083	(a)	-	99917	2.20	-						
99084	(a)	(a)	99938	2.47	-						
99085	(a)	(a)	99943	7.16	-						
99111	1.35	-	99946	5.33	2.93						
99160	(a)	-	99948	7.38	28.30						
99163	3.21	.68	99952	5.34	21.90						
99165	.70	(a)	99953	5.76	11.50						
99220	1.71	(a)	99954	4.19	10.70						
99221	(a)	(a)	99955	5.25	13.70						
99222	3.21	(a)	99963	.53	-						
99223	.197	(a)	99969	3.11	2.42						
99303	10.80	-	99975	4.66	-						
99310	2.69	(a)	99986	(a)	-						
99315	7.91	1.70	99987	(a)	-						
99321	7.68	2.58	99988	2.74	-						
99445	(a)	(a)									
99471	.78	-									
99505	5.18	-									
99506	6.37	-									
99507	5.55	-									
99570	2.98	(a)									
99571	.72	(a)									
99572	1.41	(a)									
99573	1.35	(a)									
99600	1.27	-									
99613	6.80	2.43									
99614	2.84	-									
99620	.37	-									
99650	1.41	.97									
99709	3.48	(a)									
99718	1.09	-									
99746	1.84	2.63									
99760	.21	-									
99777	6.31	-									
99793	2.33	-									
99798	(a)	(a)									
99803	(a)	7.26									