

LOSS COSTS – IMPLEMENTATION

JANUARY 14, 2020

GENERAL LIABILITY

LI-GL-2020-004

MISSOURI GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

KEY MESSAGE

Revised overall prospective loss costs for **+2.3%** to be implemented.

BACKGROUND

In circular [LI-GL-2019-244](#), we provided you with information about the General Liability loss cost level experience review.

ISO ACTION

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

SUPPLEMENTARY INFORMATION

We are including the following supplementary information:

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

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

EFFECTIVE DATE

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

These changes are applicable to all policies written on or after July 1, 2020.

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

IMPACT ON THE STATISTICAL REPORTING OF LOSS COST MULTIPLIER

For the purpose of reporting your company Loss Cost Multiplier under the CSP, as of July 1, 2020, the multiplier must be based on the relationship between your gross rates and the ISO advisory prospective loss costs contained in this circular.

COMPANY ACTION

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

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

WE WILL SUBMIT OUR REFERENCE FILING TO THE INSURANCE DEPARTMENT ON JUNE 11, 2020. 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-2020-BGL1](#), NOT this circular number.

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

RATING SOFTWARE IMPACT

No new attributes are being introduced with this revision.

POLICYHOLDER NOTIFICATION

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

REVISION DISTRIBUTION

We will issue a Notice to Manualholders with an edition date of 7-20 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

REFERENCE(S)

- [LI-GL-2019-244](#) (12/11/2019) General Liability Basic Limit Experience For 2020 Group 1 Jurisdictions Reviewed By Staff
- [LI-CL-2019-057](#) (12/10/2019) Revised Lead Time Requirements Listing

ATTACHMENT(S)

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

FILES AVAILABLE FOR DOWNLOAD

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

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

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DATA QUALITY

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

ACKNOWLEDGMENT OF ACTUARIAL QUALIFICATIONS

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

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

CONTACT INFORMATION

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

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

PURPOSE

This document:

- revises current advisory prospective loss costs for Premises/Operations and Products/Completed Operations classes. These loss costs represent a +2.3% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.
 - provides the analyses used to derive these advisory loss costs.
-

DEFINITION OF
THE ISO
ADVISORY
PROSPECTIVE
LOSS COSTS

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

LOSS COST
LEVEL CHANGES

The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	- 4.0%	- 4.0%
OL&T	+ 7.1%	+ 7.1%
Premises/Operations	+ 1.8%	+ 1.8%
Products	- 0.4%	- 0.4%
Local Products/Completed Operations	+ 7.0%	+ 7.0%
Products/Completed Operations	+ 4.9%	+ 4.9%
GL Overall	+ 2.3%	+ 2.3%

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

INDICATED
VS. SELECTED

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

CAPPING

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

PRIOR ISO
REVISIONS

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

HISTORICAL SOURCE DATA

The data used in this document is:

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

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

ADJUSTMENTS TO REPORTED EXPERIENCE

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

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

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

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

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

TEN
LARGEST
COMPANY
GROUPS IN
ISO
DATA
BASE

OTHER LIABILITY (ASLOB 17.0)

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

PRODUCTS LIABILITY (ASLOB 18.0)

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

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

SIZE
OF
ISO
DATA
BASE

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

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

Statewide - Other Liability (ASLOB 17.0)	31.2%
Multistate - Products Liability (ASLOB 18.0)	39.4%

COMPANY
DECISION

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

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

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MISSOURI
PRIOR REVISIONS

The latest implemented revisions in this state are:

Document: GL-2019-BGL1

Coverage	Effective Date	Loss Cost Level Changes		
		Indicated	Selected	Implemented
M&C		- 3.7%	- 3.7%	- 3.7%
OL&T		- 4.4%	- 4.4%	- 4.4%
Prem/Ops Combined		- 4.1%	- 4.1%	- 4.1%
Products		- 10.7%	- 10.7%	- 10.7%
Local Products/Completed Ops		+ 1.5%	+ 1.5%	+ 1.5%
Products/Completed Operations		- 2.6%	- 2.6%	- 2.6%
General Liability Overall	7/1/2019	- 3.9%	- 3.9%	- 3.9%

Document: GL-2018-BGL1

Coverage	Effective Date	Loss Cost Level Changes		
		Indicated	Selected	Implemented
M&C		- 1.9%	- 1.9%	- 1.9%
OL&T		- 3.1%	- 3.1%	- 3.1%
Prem/Ops Combined		- 2.6%	- 2.6%	- 2.6%
Products		- 7.5%	- 7.5%	- 7.5%
Local Products/Completed Ops		-11.5%	-11.5%	-11.5%
Products/Completed Operations		-10.3%	-10.3%	-10.3%
General Liability Overall	7/1/2018	- 4.1%	- 4.1%	- 4.1%

Document: GL-2017-BGL1

Coverage	Effective Date	Loss Cost Level Changes		
		Indicated	Selected	Implemented
M&C		- 7.7%	- 7.7%	- 7.7%
OL&T		+ 0.3%	+ 0.3%	+ 0.3%
Prem/Ops Combined		- 3.3%	- 3.3%	- 3.3%
Products		-11.4%	-11.4%	-11.4%
Local Products/Completed Ops		- 4.3%	- 4.3%	- 4.3%
Products/Completed Operations		- 6.6%	- 6.6%	- 6.6%
General Liability Overall	7/1/2017	- 4.0%	- 4.0%	- 4.0%

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PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
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MISSOURI

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

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

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

Summary of Indications and Selected Loss Cost Level Changes	Manufacturers And Contractors	Owners, Landlords and Tenants	Overall Premises/ Operations	Products	Local Products/ Completed Operations	Products/ Completed Operations	Overall General Liability Other Than Professional
Statewide Indicated Monoline-Multiline Loss Cost Level Change (See Section C)	+ 0.1%	+ 5.2%	+ 2.8%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	- 4.0%	+ 7.1%	+ 1.8%	- 0.4% *	+ 7.0% **	+ 4.9%	+ 2.3%
Statewide Selected Monoline Loss Cost Level Change (See Section C)	- 4.0%	+ 7.1%	+ 1.8%	- 0.4% *	+ 7.0%	+ 4.9%	+ 2.3%

* 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.

MISSOURI

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

<u>CODE</u>	<u>TERRITORY DESCRIPTION</u>	LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT <u>LEVEL (ALCCL)</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
501	Kansas City	\$ 2,392,789	+ 9.2%	+ 9.2%
502	St. Louis and St. Louis County	5,613,016	+ 6.2%	+ 6.2%
503	Remainder of State	9,232,566	+ 7.1%	+ 7.1%
	STATEWIDE TOTAL	\$ 17,238,371	+ 7.1%	+ 7.1%

MISSOURI

PREMISES/OPERATIONS
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
30	SERVICE	\$ 1,583,572	- 3.6%	- 4.0%
31	LIGHT CONTRACTING	1,455,134	- 4.2%	- 4.7%
32	MEDIUM CONTRACTING	5,567,043	- 2.6%	- 3.0%
33	HEAVY CONTRACTING	2,120,073	- 4.7%	- 5.1%
34	DEALERS OR DISTRIBUTORS	2,160,080	- 7.1%	- 6.3%
35	LIGHT MANUFACTURERS	187,185	- 2.0%	- 1.0%
36	MEDIUM MANUFACTURERS	951,174	- 5.0%	- 3.9%
37	HEAVY MANUFACTURERS	590,564	- 4.2%	- 3.5%
38	MISCELLANEOUS OPERATIONS	974,505	- 2.4%	- 1.8%
	TOTAL	\$ 15,589,330	- 4.0%	- 4.0%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
01	FOOD AND BEVERAGE (RETAIL)	\$ 842,803	+ 7.4%	+ 7.4%
02	RESTAURANTS	1,831,776	+ 4.9%	+ 4.9%
03	STORES	935,344	+ 7.1%	+ 7.3%
04	VENDING AND RENTAL	51,502	+ 8.2%	+ 8.1%
05	FOOD AND BEVERAGE DISTRIBUTORS	155,049	+ 7.6%	+ 7.3%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	373,405	+ 10.4%	+ 10.5%
07	CLUBS, AMUSEMENTS AND SPORTS	1,634,252	+ 9.1%	+ 8.9%
08	HEALTH CARE FACILITIES	314,533	+ 10.6%	+ 10.8%
09	HOTELS AND MOTELS	1,540,668	+ 2.2%	+ 2.2%
10	SCHOOLS AND CHURCHES	1,470,001	+ 9.2%	+ 9.3%
11	APARTMENTS	1,228,959	+ 7.9%	+ 7.8%
12	BUILDINGS AND OFFICES	5,945,974	+ 6.7%	+ 6.8%
13	MISCELLANEOUS PREMISES	527,676	+ 12.8%	+ 12.9%
16	GOVERNMENTAL SUBDIVISIONS	386,429	+ 10.0%	+ 9.8%
	TOTAL	\$ 17,238,371	+ 7.1%	+ 7.1%

MISSOURI

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 LEVEL	INDICATED MULTISTATE LOSS COST LEVEL CHANGE	LATEST YEAR STATEWIDE MONO/MULTI ALCCL AT CURRENT LEVEL	INDICATED STATEWIDE LOSS COST LEVEL CHANGE	SELECTED STATEWIDE LOSS COST LEVEL CHANGE
03	MANUFACTURERS, DEALERS OR DISTRIBUTORS-FOOD OR DRUG	\$ 25,805,900	- 5.9%	\$ 382,733	- 7.0%	- 7.0%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	34,950,355	+ 4.3%	648,305	+ 4.7%	+ 4.7%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,162,520	+ 1.2%	118,879	- 2.1%	- 2.1%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	33,323,523	- 0.5%	443,942	- 1.7%	- 1.7%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	8,272,287	+ 0.2%	133,711	- 1.1%	- 1.1%
	PRODUCTS SUBTOTAL	\$ 107,514,585	- 0.1%	\$ 1,727,570	- 0.4%	- 0.4%
01	RETAIL STORES-FOOD OR DRUG			\$ 84,016	+ 4.0%	+ 4.1%
02	RETAIL STORES-NOT FOOD OR DRUG			194,786	+ 10.7%	+ 10.7%
11	COMPLETED OPERATIONS-LOW			201,312	+ 13.2%	+ 12.7%
12	COMPLETED OPERATIONS-MEDIUM			3,395,017	+ 6.9%	+ 7.0%
13	COMPLETED OPERATIONS-HIGH			363,501	+ 2.7%	+ 2.9%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 4,238,632	+ 7.0%	+ 7.0%
	TOTAL			\$ 5,966,202	+ 4.9%	+ 4.9%

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

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

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

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

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

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

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

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

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

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

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

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

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

EXPLANATION OF LOSS COST CHANGES BY CLASS
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SUBLINE CODES 334 AND 336

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

- M&C classes reflect an upper cap of +25% and a lower cap of -24% relative to current loss costs;
- OL&T classes reflect an upper cap of +32% and a lower cap of -20% relative to current loss costs;
- Products classes reflect an upper cap of +25% and a lower cap of -20% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +32% and a lower cap of -20% relative to current loss costs.

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

M&C: 0.996

OL&T: 1.000

LP/CO: 1.001

The Commercial General Liability loss costs are rounded as follows:

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

for example:

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

NOTE: Due to our standard capping procedure and rounding rules, the current loss cost of \$0.003 for Products Class 18707 (Tobacco Products Distributors) has not been able to increase as per the mathematical formula despite adverse experience in the last couple years. As a result, the cap has been eliminated for this particular class in this filing.

STATE: 24 - MISSOURI
 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	501	.113	.102	10.8	10070	503	.087	.079	10.1	10115	502	.690	.640	7.8
10010	502	.085	.077	10.4	10071	501	.370	.340	8.8	10115	503	.860	.800	7.5
10010	503	.153	.138	10.9	10071	502	.310	.290	6.9	10117	501	3.950	3.530	11.9
10015	501	3.970	3.550	11.8	10071	503	.380	.360	5.6	10117	502	8.270	7.630	8.4
10015	502	8.330	7.680	8.5	10072	501	4.740	4.860	-2.5	10117	503	8.450	7.740	9.2
10015	503	8.500	7.790	9.1	10072	502	4.980	5.040	-1.2	10120	501	8.850	7.900	12.0
10026	501	.760	.690	10.1	10072	503	5.160	5.230	-1.3	10120	502	18.600	17.100	8.8
10026	502	.620	.580	6.9	10073	501	1.000	1.070	-6.5	10120	503	18.900	17.400	8.6
10026	503	.780	.720	8.3	10073	502	1.250	1.330	-6.0	10130	501	4.160	3.800	9.5
10036	501	.640	.690	-7.2	10073	503	1.200	1.280	-6.2	10130	502	3.400	3.200	6.2
10036	502	.800	.860	-7.0	10075	501	7.390	7.960	-7.2	10130	503	4.250	3.970	7.1
10036	503	.770	.820	-6.1	10075	502	9.260	9.880	-6.3	10132	501	3.590	3.280	9.5
10040	501	.086	.077	11.7	10075	503	8.920	9.520	-6.3	10132	502	2.930	2.750	6.5
10040	502	.065	.059	10.2	10100	501	.550	.500	10.0	10132	503	3.660	3.420	7.0
10040	503	.116	.105	10.5	10100	502	.540	.500	8.0	10133	501	4.160	3.760	10.6
10042	501	.440	.400	10.0	10100	503	1.110	1.030	7.8	10133	502	1.890	1.750	8.0
10042	502	.360	.330	9.1	10101	501	.280	.260	7.7	10133	503	3.210	2.970	8.1
10042	503	.440	.410	7.3	10101	502	.230	.217	6.0	10140	501	.045	.041	9.8
10052	501	2.750	2.450	12.2	10101	503	.290	.270	7.4	10140	502	.031	.029	6.9
10052	502	5.760	5.310	8.5	10105	501	3.050	2.790	9.3	10140	503	.054	.050	8.0
10052	503	5.880	5.390	9.1	10105	502	2.490	2.340	6.4	10141	501	.090	.082	9.8
10054	501	2.440	2.180	11.9	10105	503	3.120	2.910	7.2	10141	502	.063	.059	6.8
10054	502	5.110	4.710	8.5	10107	501	3.050	3.280	-7.0	10141	503	.108	.100	8.0
10054	503	5.220	4.780	9.2	10107	502	3.820	4.070	-6.1	10145	501	.430	.390	10.3
10060	501	.208	.190	9.5	10107	503	3.680	3.920	-6.1	10145	502	.300	.280	7.1
10060	502	.170	.160	6.3	10110	501	13.500	12.100	11.6	10145	503	.520	.480	8.3
10060	503	.213	.199	7.0	10110	502	28.400	26.100	8.8	10146	501	.247	.225	9.8
10065	501	.310	.290	6.9	10110	503	28.900	26.500	9.1	10146	502	.240	.225	6.7
10065	502	.260	.240	8.3	10111	501	.142	.127	11.8	10146	503	.490	.460	6.5
10065	503	.320	.300	6.7	10111	502	.107	.097	10.3	10150	501	.580	.530	9.4
10066	501	.320	.290	10.3	10111	503	.191	.173	10.4	10150	502	.480	.450	6.7
10066	502	.260	.245	6.1	10113	501	.420	.390	7.7	10150	503	.590	.560	5.4
10066	503	.330	.300	10.0	10113	502	.350	.320	9.4	10151	501	14.700	13.400	9.7
10070	501	.065	.058	12.1	10113	503	.430	.400	7.5	10151	502	12.000	11.300	6.2
10070	502	.049	.044	11.4	10115	501	.840	.770	9.1	10151	503	15.000	14.000	7.1

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STATE: 24 - MISSOURI
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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
10160	501	2.610	2.390	9.2	10352	503	.640	.600	6.7	11127	502	.270	.246	9.8
10160	502	2.130	2.010	6.0	10367	501	4.190	4.300	-2.6	11127	503	.490	.440	11.4
10160	503	2.670	2.490	7.2	10367	502	4.400	4.460	-1.3	11128	501	.490	.440	11.4
10204	501	.260	.241	7.9	10367	503	4.560	4.620	-1.3	11128	502	.370	.330	12.1
10204	502	.215	.202	6.4	10368	501	6.130	6.280	-2.4	11128	503	.660	.600	10.0
10204	503	.270	.250	8.0	10368	502	6.430	6.510	-1.2	11138	501	1.350	1.200	12.5
10205	501	.290	.270	7.4	10368	503	6.670	6.760	-1.3	11138	502	2.820	2.600	8.5
10205	502	.240	.226	6.2	10378	501	5.450	4.870	11.9	11138	503	2.880	2.640	9.1
10205	503	.300	.280	7.1	10378	502	11.400	10.500	8.6	11155	501	.250	.230	8.7
10220	501	5.540	5.060	9.5	10378	503	11.700	10.700	9.3	11155	502	.205	.193	6.2
10220	502	4.520	4.260	6.1	10379	501	2.530	2.260	11.9	11155	503	.260	.240	8.3
10220	503	5.660	5.280	7.2	10379	502	5.310	4.900	8.4	11167	501	1.000	.900	11.1
10255	501	.237	.260	-8.8	10379	503	5.420	4.970	9.1	11167	502	.450	.420	7.1
10255	502	.300	.320	-6.3	10380	501	4.320	3.860	11.9	11167	503	.770	.710	8.5
10255	503	.290	.310	-6.5	10380	502	9.060	8.360	8.4	11168	501	5.170	4.670	10.7
10256	501	.870	.930	-6.5	10380	503	9.250	8.480	9.1	11168	502	2.340	2.180	7.3
10256	502	1.090	1.160	-6.0	10381	501	3.740	3.340	12.0	11168	503	3.990	3.690	8.1
10256	503	1.050	1.120	-6.3	10381	502	7.850	7.240	8.4	11201	501	15.600	16.000	-2.5
10257	501	.164	.176	-6.8	10381	503	8.010	7.340	9.1	11201	502	16.400	16.600	-1.2
10257	502	.205	.219	-6.4	11007	501	1.780	1.830	-2.7	11201	503	17.000	17.200	-1.2
10257	503	.198	.211	-6.2	11007	502	1.870	1.890	-1.1	11202	501	4.610	4.730	-2.5
10309	501	.190	.174	9.2	11007	503	1.940	1.970	-1.5	11202	502	4.840	4.900	-1.2
10309	502	.155	.146	6.2	11020	501	.360	.320	12.5	11202	503	5.020	5.090	-1.4
10309	503	.194	.181	7.2	11020	502	.290	.270	7.4	11203	501	.840	.750	12.0
10315	501	.450	.410	9.8	11020	503	.360	.340	5.9	11203	502	.630	.570	10.5
10315	502	.370	.340	8.8	11039	501	.870	.930	-6.5	11203	503	1.130	1.030	9.7
10315	503	.460	.430	7.0	11039	502	1.080	1.160	-6.9	11204	501	.370	.340	8.8
10331	501	5.390	4.810	12.1	11039	503	1.040	1.110	-6.3	11204	502	.300	.280	7.1
10331	502	11.300	10.400	8.7	11052	501	4.330	3.910	10.7	11204	503	.380	.350	8.6
10331	503	11.500	10.600	8.5	11052	502	1.960	1.830	7.1	11206	501	.720	.740	-2.7
10332	501	9.290	8.300	11.9	11052	503	3.340	3.090	8.1	11206	502	.760	.770	-1.3
10332	502	19.500	18.000	8.3	11126	501	.074	.067	10.4	11206	503	.790	.800	-1.2
10332	503	19.900	18.200	9.3	11126	502	.060	.056	7.1	11207	501	9.140	9.370	-2.5
10352	501	.320	.290	10.3	11126	503	.075	.070	7.1	11207	502	9.590	9.710	-1.2
10352	502	.310	.290	6.9	11127	501	.360	.320	12.5	11207	503	9.950	10.100	-1.5

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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
11208	501	1.570	1.610	-2.5	11259	503	1.430	1.330	7.5	12393	502	.390	.360	8.3
11208	502	1.640	1.660	-1.2	11273	501	16.400	15.000	9.3	12393	503	.480	.450	6.7
11208	503	1.710	1.730	-1.2	11273	502	13.400	12.600	6.3	12467	501	.196	.179	9.5
11209	501	7.360	7.540	-2.4	11273	503	16.800	15.600	7.7	12467	502	.160	.151	6.0
11209	502	7.720	7.820	-1.3	11274	501	15.800	14.400	9.7	12467	503	.200	.187	7.0
11209	503	8.010	8.110	-1.2	11274	502	12.800	12.100	5.8	12509	501	.059	.064	-7.8
11210	501	3.130	3.210	-2.5	11274	503	16.100	15.000	7.3	12509	502	.074	.079	-6.3
11210	502	3.290	3.330	-1.2	11288	501	.820	.740	10.8	12509	503	.072	.076	-5.3
11210	503	3.410	3.460	-1.4	11288	502	.790	.740	6.8	12510	501	.750	.810	-7.4
11211	501	16.300	16.700	-2.4	11288	503	1.630	1.510	7.9	12510	502	.940	1.010	-6.9
11211	502	17.100	17.300	-1.2	12014	501	.097	.105	-7.6	12510	503	.910	.970	-6.2
11211	503	17.700	18.000	-1.7	12014	502	.122	.130	-6.2	12583	501	.330	.360	-8.3
11212	501	2.460	2.520	-2.4	12014	503	.117	.125	-6.4	12583	502	.420	.450	-6.7
11212	502	2.590	2.620	-1.1	12356	501	1.390	1.270	9.4	12583	503	.400	.430	-7.0
11212	503	2.680	2.720	-1.5	12356	502	1.140	1.070	6.5	12651	501	.970	1.050	-7.6
11213	501	2.010	2.060	-2.4	12356	503	1.420	1.330	6.8	12651	502	1.220	1.300	-6.2
11213	502	2.110	2.140	-1.4	12361	501	.098	.089	10.1	12651	503	1.180	1.250	-5.6
11213	503	2.190	2.220	-1.4	12361	502	.068	.064	6.3	12683	501	.450	.480	-6.3
11214	501	4.950	5.070	-2.4	12361	503	.117	.109	7.3	12683	502	.560	.600	-6.7
11214	502	5.190	5.260	-1.3	12362	501	.071	.064	10.9	12683	503	.540	.570	-5.3
11214	503	5.390	5.460	-1.3	12362	502	.054	.049	10.2	12707	501	.470	.420	11.9
11222	501	.083	.085	-2.4	12362	503	.096	.087	10.3	12707	502	.350	.320	9.4
11222	502	.087	.088	-1.1	12373	501	.027	.024	12.5	12707	503	.630	.570	10.5
11222	503	.091	.092	-1.1	12373	502	.020	.018	11.1	12797	501	.098	.088	11.4
11234	501	.330	.300	10.0	12373	503	.036	.033	9.1	12797	502	.074	.067	10.4
11234	502	.270	.250	8.0	12374	501	.720	.660	9.1	12797	503	.132	.120	10.0
11234	503	.340	.320	6.3	12374	502	.590	.560	5.4	12805	501	.380	.350	8.6
11248	501	.045	.048	-6.3	12374	503	.740	.690	7.2	12805	502	.310	.290	6.9
11248	502	.056	.060	-6.7	12375	501	.360	.320	12.5	12805	503	.390	.360	8.3
11248	503	.054	.058	-6.9	12375	502	.290	.270	7.4	12841	501	.630	.580	8.6
11258	501	.670	.610	9.8	12375	503	.360	.340	5.9	12841	502	.520	.480	8.3
11258	502	.650	.610	6.6	12391	501	.053	.048	10.4	12841	503	.640	.600	6.7
11258	503	1.330	1.240	7.3	12391	502	.040	.036	11.1	12927	501	.110	.101	8.9
11259	501	.710	.650	9.2	12391	503	.072	.065	10.8	12927	502	.090	.085	5.9
11259	502	.690	.650	6.2	12393	501	.470	.430	9.3	12927	503	.113	.105	7.6

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
13049	501	.051	.046	10.9	13453	503	.640	.680	-5.9	13759	502	.170	.160	6.3
13049	502	.036	.033	9.1	13454	501	.620	.670	-7.5	13759	503	.213	.199	7.0
13049	503	.061	.057	7.0	13454	502	.780	.830	-6.0	13930	501	.151	.136	11.0
13111	501	.620	.560	10.7	13454	503	.750	.800	-6.3	13930	502	.115	.103	11.7
13111	502	.600	.560	7.1	13455	501	.630	.680	-7.4	13930	503	.204	.185	10.3
13111	503	1.230	1.150	7.0	13455	502	.790	.840	-6.0	14068	501	.046	.042	9.5
13112	501	.083	.076	9.2	13455	503	.760	.810	-6.2	14068	502	.038	.035	8.6
13112	502	.058	.054	7.4	13506	501	1.080	.990	9.1	14068	503	.047	.044	6.8
13112	503	.100	.093	7.5	13506	502	.880	.830	6.0	14101	501	.540	.490	10.2
13201	501	.860	.930	-7.5	13506	503	1.100	1.030	6.8	14101	502	.440	.410	7.3
13201	502	1.080	1.150	-6.1	13507	501	1.300	1.190	9.2	14101	503	.550	.510	7.8
13201	503	1.040	1.110	-6.3	13507	502	1.060	1.000	6.0	14279	501	.450	.490	-8.2
13204	501	.970	1.050	-7.6	13507	503	1.330	1.240	7.3	14279	502	.570	.610	-6.6
13204	502	1.220	1.300	-6.2	13590	501	.470	.510	-7.8	14279	503	.550	.580	-5.2
13204	503	1.180	1.250	-5.6	13590	502	.590	.630	-6.3	14401	501	.670	.610	9.8
13205	501	.370	.400	-7.5	13590	503	.570	.600	-5.0	14401	502	.650	.610	6.6
13205	502	.470	.500	-6.0	13621	501	.119	.128	-7.0	14401	503	1.340	1.250	7.2
13205	503	.450	.480	-6.3	13621	502	.149	.159	-6.3	14405	501	1.050	1.070	-1.9
13314	501	.141	.129	9.3	13621	503	.143	.153	-6.5	14405	502	1.100	1.110	-0.9
13314	502	.115	.108	6.5	13670	501	.055	.050	10.0	14405	503	1.140	1.160	-1.7
13314	503	.144	.134	7.5	13670	502	.038	.036	5.6	14527	501	.290	.260	11.5
13351	501	.340	.310	9.7	13670	503	.066	.061	8.2	14527	502	.219	.198	10.6
13351	502	.280	.260	7.7	13673	501	.500	.460	8.7	14527	503	.390	.350	11.4
13351	503	.350	.330	6.1	13673	502	.490	.460	6.5	14655	501	.104	.095	9.5
13352	501	.350	.320	9.4	13673	503	1.010	.940	7.4	14655	502	.085	.080	6.3
13352	502	.290	.270	7.4	13715	501	.071	.064	10.9	14655	503	.106	.099	7.1
13352	503	.360	.330	9.1	13715	502	.054	.049	10.2	14731	501	4.300	3.880	10.8
13410	501	1.360	1.470	-7.5	13715	503	.096	.087	10.3	14731	502	1.950	1.810	7.7
13410	502	1.710	1.820	-6.0	13716	501	.530	.490	8.2	14731	503	3.310	3.060	8.2
13410	503	1.650	1.760	-6.2	13716	502	.440	.410	7.3	14732	501	.320	.290	10.3
13412	501	.460	.500	-8.0	13716	503	.540	.510	5.9	14732	502	.144	.134	7.5
13412	502	.580	.620	-6.5	13720	501	.280	.260	7.7	14732	503	.245	.227	7.9
13412	503	.560	.590	-5.1	13720	502	.280	.260	7.7	14733	501	.730	.670	9.0
13453	501	.530	.570	-7.0	13720	503	.570	.530	7.5	14733	502	.600	.560	7.1
13453	502	.670	.710	-5.6	13759	501	.208	.190	9.5	14733	503	.740	.700	5.7

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STATE: 24 - MISSOURI
 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
14734	501	.310	.290	6.9	15314	503	.260	.240	8.3	15839	502	.280	.260	7.7
14734	502	.260	.240	8.3	15404	501	.085	.092	-7.6	15839	503	.340	.320	6.3
14734	503	.320	.300	6.7	15404	502	.107	.114	-6.1	15991	501	.280	.250	12.0
14855	501	.209	.225	-7.1	15404	503	.103	.110	-6.4	15991	502	.225	.212	6.1
14855	502	.260	.280	-7.1	15405	501	.126	.135	-6.7	15991	503	.280	.260	7.7
14855	503	.250	.270	-7.4	15405	502	.158	.168	-6.0	15993	501	.233	.213	9.4
14913	501	.390	.360	8.3	15405	503	.152	.162	-6.2	15993	502	.190	.179	6.1
14913	502	.320	.300	6.7	15406	501	.320	.340	-5.9	15993	503	.238	.222	7.2
14913	503	.400	.370	8.1	15406	502	.400	.430	-7.0	16005	501	.038	.034	11.8
15062	501	.187	.202	-7.4	15406	503	.390	.410	-4.9	16005	502	.028	.026	7.7
15062	502	.235	.250	-6.0	15488	501	.800	.860	-7.0	16005	503	.051	.046	10.9
15062	503	.226	.241	-6.2	15488	502	1.000	1.070	-6.5	16009	501	.260	.280	-7.1
15063	501	.218	.235	-7.2	15488	503	.960	1.030	-6.8	16009	502	.320	.340	-5.9
15063	502	.270	.290	-6.9	15538	501	.450	.410	9.8	16009	503	.310	.330	-6.1
15063	503	.260	.280	-7.1	15538	502	.370	.340	8.8	16402	501	1.670	1.520	9.9
15070	501	.140	.144	-2.8	15538	503	.460	.430	7.0	16402	502	1.360	1.280	6.3
15070	502	.147	.149	-1.3	15600	501	1.130	1.030	9.7	16402	503	1.700	1.590	6.9
15070	503	.153	.155	-1.3	15600	502	.920	.870	5.7	16403	501	1.050	.960	9.4
15123	501	4.150	3.750	10.7	15600	503	1.150	1.080	6.5	16403	502	.860	.810	6.2
15123	502	1.880	1.750	7.4	15607	501	.184	.188	-2.1	16403	503	1.080	1.000	8.0
15123	503	3.200	2.960	8.1	15607	502	.193	.195	-1.0	16404	501	1.330	1.220	9.0
15124	501	1.450	1.310	10.7	15607	503	.200	.203	-1.5	16404	502	1.090	1.020	6.9
15124	502	.660	.610	8.2	15608	501	.250	.230	8.7	16404	503	1.360	1.270	7.1
15124	503	1.120	1.040	7.7	15608	502	.205	.193	6.2	16471	501	.260	.270	-3.7
15188	501	.330	.350	-5.7	15608	503	.260	.240	8.3	16471	502	.270	.280	-3.6
15188	502	.410	.440	-6.8	15656	501	7.420	6.780	9.4	16471	503	.280	.290	-3.4
15188	503	.400	.420	-4.8	15656	502	6.060	5.700	6.3	16501	501	.080	.072	11.1
15223	501	.065	.059	10.2	15656	503	7.580	7.080	7.1	16501	502	.060	.054	11.1
15223	502	.045	.042	7.1	15699	501	.450	.460	-2.2	16501	503	.107	.098	9.2
15223	503	.077	.072	6.9	15699	502	.480	.480	0.0	16527	501	.122	.110	10.9
15224	501	.300	.270	11.1	15699	503	.490	.500	-2.0	16527	502	.092	.084	9.5
15224	502	.290	.270	7.4	15733	501	.209	.225	-7.1	16527	503	.165	.150	10.0
15224	503	.600	.560	7.1	15733	502	.260	.280	-7.1	16588	501	.119	.128	-7.0
15314	501	.250	.230	8.7	15733	503	.250	.270	-7.4	16588	502	.149	.159	-6.3
15314	502	.205	.193	6.2	15839	501	.340	.310	9.7	16588	503	.143	.153	-6.5

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LOSS COST % CHANGE BY CLASS

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16604	501	.199	.214	-7.0	16891	503	.175	.186	-5.9	16921	502	3.140	3.010	4.3
16604	502	.250	.270	-7.4	16892	501	.260	.280	-7.1	16921	503	3.830	3.650	4.9
16604	503	.240	.260	-7.7	16892	502	.330	.350	-5.7	16930	501	2.690	2.510	7.2
16670	501	2.240	2.000	12.0	16892	503	.320	.340	-5.9	16930	502	1.970	1.890	4.2
16670	502	4.690	4.320	8.6	16900	501	3.430	3.200	7.2	16930	503	2.410	2.300	4.8
16670	503	4.790	4.390	9.1	16900	502	2.520	2.410	4.6	16931	501	2.900	2.710	7.0
16676	501	.350	.320	9.4	16900	503	3.070	2.930	4.8	16931	502	2.130	2.040	4.4
16676	502	.290	.270	7.4	16901	501	2.200	2.050	7.3	16931	503	2.600	2.480	4.8
16676	503	.360	.330	9.1	16901	502	1.610	1.550	3.9	16940	501	5.840	5.450	7.2
16694	501	.390	.420	-7.1	16901	503	1.970	1.880	4.8	16940	502	4.290	4.110	4.4
16694	502	.490	.530	-7.5	16902	501	1.860	1.740	6.9	16940	503	5.230	4.990	4.8
16694	503	.480	.510	-5.9	16902	502	1.370	1.310	4.6	16941	501	2.340	2.180	7.3
16705	501	.227	.204	11.3	16902	503	1.670	1.590	5.0	16941	502	1.720	1.650	4.2
16705	502	.171	.155	10.3	16905	501	3.610	3.360	7.4	16941	503	2.090	2.000	4.5
16705	503	.310	.280	10.7	16905	502	2.650	2.540	4.3	18078	501	.129	.116	11.2
16750	501	.123	.112	9.8	16905	503	3.230	3.080	4.9	18078	502	.097	.088	10.2
16750	502	.100	.094	6.4	16906	501	2.300	2.150	7.0	18078	503	.174	.158	10.1
16750	503	.125	.117	6.8	16906	502	1.690	1.620	4.3	18109	501	.460	.420	9.5
16751	501	.123	.112	9.8	16906	503	2.060	1.970	4.6	18109	502	.380	.350	8.6
16751	502	.100	.094	6.4	16910	501	2.060	1.920	7.3	18109	503	.470	.440	6.8
16751	503	.125	.117	6.8	16910	502	1.510	1.450	4.1	18110	501	.370	.340	8.8
16819	501	1.130	1.220	-7.4	16910	503	1.840	1.760	4.5	18110	502	.300	.280	7.1
16819	502	1.420	1.520	-6.6	16911	501	1.860	1.740	6.9	18110	503	.380	.350	8.6
16819	503	1.370	1.460	-6.2	16911	502	1.370	1.310	4.6	18205	501	.198	.179	10.6
16820	501	.880	.940	-6.4	16911	503	1.670	1.590	5.0	18205	502	.150	.135	11.1
16820	502	1.100	1.170	-6.0	16915	501	2.110	1.970	7.1	18205	503	.270	.243	11.1
16820	503	1.060	1.130	-6.2	16915	502	1.550	1.490	4.0	18206	501	.590	.540	9.3
16881	501	1.920	1.750	9.7	16915	503	1.890	1.800	5.0	18206	502	.490	.460	6.5
16881	502	1.570	1.470	6.8	16916	501	1.760	1.640	7.3	18206	503	.610	.570	7.0
16881	503	1.960	1.830	7.1	16916	502	1.290	1.240	4.0	18335	501	.430	.390	10.3
16890	501	.133	.143	-7.0	16916	503	1.570	1.500	4.7	18335	502	.350	.330	6.1
16890	502	.166	.178	-6.7	16920	501	4.680	4.360	7.3	18335	503	.440	.410	7.3
16890	503	.160	.171	-6.4	16920	502	3.430	3.290	4.3	18435	501	.590	.530	11.3
16891	501	.145	.156	-7.1	16920	503	4.190	4.000	4.7	18435	502	.570	.530	7.5
16891	502	.181	.193	-6.2	16921	501	4.270	3.990	7.0	18435	503	1.170	1.090	7.3

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18436	501	.470	.430	9.3	18834	503	.360	.330	9.1	40061	502	3.470	3.200	8.4
18436	502	.460	.430	7.0	18911	501	1.100	1.010	8.9	40061	503	3.550	3.250	9.2
18436	503	.940	.880	6.8	18911	502	.900	.850	5.9	40063	501	55.400	49.500	11.9
18437	501	.610	.560	8.9	18911	503	1.130	1.050	7.6	40063	502	116.000	107.000	8.4
18437	502	.500	.470	6.4	18912	501	2.080	1.900	9.5	40063	503	119.000	109.000	9.2
18437	503	.630	.580	8.6	18912	502	1.700	1.600	6.3	40064	501	16.300	14.600	11.6
18438	501	1.180	1.080	9.3	18912	503	2.120	1.980	7.1	40064	502	34.200	31.500	8.6
18438	502	.960	.900	6.7	18920	501	.540	.490	10.2	40064	503	34.900	32.000	9.1
18438	503	1.200	1.120	7.1	18920	502	.440	.410	7.3	40075	501	54.300	47.100	15.3
18501	501	.540	.490	10.2	18920	503	.550	.510	7.8	40075	502	102.000	91.200	11.8
18501	502	.520	.490	6.1	19007	501	1.620	1.470	10.2	40075	503	31.600	28.000	12.9
18501	503	1.070	1.000	7.0	19007	502	.740	.680	8.8	40101	501	24.700	21.900	12.8
18506	501	.420	.450	-6.7	19007	503	1.250	1.160	7.8	40101	502	9.780	8.900	9.9
18506	502	.520	.560	-7.1	19051	501	3.600	3.250	10.8	40101	503	19.400	17.500	10.9
18506	503	.500	.540	-7.4	19051	502	1.630	1.520	7.2	40102	501	21.800	19.400	12.4
18507	501	.221	.202	9.4	19051	503	2.780	2.570	8.2	40102	502	8.640	7.870	9.8
18507	502	.180	.169	6.5	19795	501	.360	.330	9.1	40102	503	17.100	15.500	10.3
18507	503	.225	.210	7.1	19795	502	.300	.280	7.1	40111	501	4.390	3.920	12.0
18570	501	2.310	2.110	9.5	19795	503	.370	.340	8.8	40111	502	9.210	8.490	8.5
18570	502	1.880	1.770	6.2	19796	501	.420	.390	7.7	40111	503	9.400	8.610	9.2
18570	503	2.350	2.200	6.8	19796	502	.350	.320	9.4	41001	501	.148	.132	12.1
18616	501	.320	.340	-5.9	19796	503	.430	.400	7.5	41001	502	.310	.290	6.9
18616	502	.400	.420	-4.8	40045	501	124.000	111.000	11.7	41001	503	.320	.290	10.3
18616	503	.380	.410	-7.3	40045	502	260.000	239.000	8.8	41421	501	.400	.360	11.1
18707	501	.011	.010	10.0	40045	503	265.000	243.000	9.1	41421	502	.320	.300	6.7
18707	502	.008	.007	14.3	40046	501	24.500	21.900	11.9	41421	503	.350	.320	9.4
18707	503	.014	.013	7.7	40046	502	51.300	47.300	8.5	41422	501	.212	.190	11.6
18708	501	.135	.123	9.8	40046	503	52.400	48.000	9.2	41422	502	.171	.157	8.9
18708	502	.110	.104	5.8	40047	501	8.730	7.800	11.9	41422	503	.185	.170	8.8
18708	503	.138	.129	7.0	40047	502	18.300	16.900	8.3	41510	501	55.500	50.700	9.5
18833	501	.127	.115	10.4	40047	503	18.700	17.100	9.4	41510	502	45.300	42.600	6.3
18833	502	.096	.087	10.3	40059	501	3.120	2.790	11.8	41510	503	56.600	52.900	7.0
18833	503	.172	.156	10.3	40059	502	6.550	6.040	8.4	41603	501	18.800	16.800	11.9
18834	501	.350	.320	9.4	40059	503	6.690	6.130	9.1	41603	502	15.200	14.000	8.6
18834	502	.290	.270	7.4	40061	501	1.660	1.480	12.2	41603	503	16.400	15.000	9.3

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41604	501	10.300	9.250	11.4	41680	503	12.000	11.000	9.1	43550	502	189.000	169.000	11.8
41604	502	8.330	7.680	8.5	41696	501	.850	.870	-2.3	43550	503	58.400	51.800	12.7
41604	503	9.020	8.270	9.1	41696	502	.900	.910	-1.1	43551	501	55.800	48.400	15.3
41620	501	1.310	1.340	-2.2	41696	503	.930	.940	-1.1	43551	502	105.000	93.600	12.2
41620	502	1.370	1.390	-1.4	41697	501	.590	.610	-3.3	43551	503	32.400	28.800	12.5
41620	503	1.420	1.440	-1.4	41697	502	.620	.630	-1.6	43626	501	6.420	5.740	11.8
41650	501	26.500	23.700	11.8	41697	503	.650	.660	-1.5	43626	502	13.500	12.400	8.9
41650	502	21.400	19.700	8.6	41715	501	8.740	7.830	11.6	43626	503	13.800	12.600	9.5
41650	503	23.100	21.200	9.0	41715	502	7.050	6.500	8.5	43628	501	83.500	74.600	11.9
41664	501	18.700	16.700	12.0	41715	503	7.640	6.990	9.3	43628	502	175.000	161.000	8.7
41664	502	39.300	36.300	8.3	41716	501	5.560	4.980	11.6	43628	503	179.000	164.000	9.1
41664	503	40.100	36.800	9.0	41716	502	4.490	4.130	8.7	43629	501	70.700	63.200	11.9
41665	501	2.190	1.960	11.7	41716	503	4.860	4.450	9.2	43629	502	148.000	137.000	8.0
41665	502	4.600	4.250	8.2	43151	501	27.000	23.400	15.4	43629	503	151.000	139.000	8.6
41665	503	4.700	4.310	9.0	43151	502	50.800	45.300	12.1	43760	501	2.360	2.110	11.8
41667	501	51.200	45.800	11.8	43151	503	15.700	13.900	12.9	43760	502	4.940	4.560	8.3
41667	502	107.000	99.100	8.0	43152	501	21.400	19.600	9.2	43760	503	5.040	4.620	9.1
41667	503	110.000	101.000	8.9	43152	502	21.100	19.900	6.0	43822	501	3.960	4.050	-2.2
41668	501	48.000	42.900	11.9	43152	503	15.300	14.400	6.2	43822	502	4.150	4.200	-1.2
41668	502	101.000	92.900	8.7	43200	501	103.000	89.200	15.5	43822	503	4.310	4.360	-1.1
41668	503	103.000	94.200	9.3	43200	502	194.000	173.000	12.1	43840	501	.049	.050	-2.0
41669	501	.340	.300	13.3	43200	503	59.800	53.000	12.8	43840	502	.051	.052	-1.9
41669	502	.710	.650	9.2	43421	501	28.200	24.400	15.6	43840	503	.053	.054	-1.9
41669	503	.720	.660	9.1	43421	502	53.000	47.300	12.1	43860	501	3.110	3.190	-2.5
41670	501	.570	.510	11.8	43421	503	16.400	14.500	13.1	43860	502	3.270	3.310	-1.2
41670	502	1.190	1.090	9.2	43422	501	148.000	128.000	15.6	43860	503	3.390	3.430	-1.2
41670	503	1.210	1.110	9.0	43422	502	278.000	248.000	12.1	43889	501	1.110	1.140	-2.6
41677	501	.270	.280	-3.6	43422	503	86.000	76.300	12.7	43889	502	1.170	1.180	-0.8
41677	502	.280	.290	-3.4	43470	501	4.970	5.090	-2.4	43889	503	1.210	1.230	-1.6
41677	503	.290	.300	-3.3	43470	502	5.220	5.280	-1.1	44009	501	5.060	4.570	10.7
41678	501	71.500	65.600	9.0	43470	503	5.410	5.480	-1.3	44009	502	2.290	2.130	7.5
41678	502	70.400	66.400	6.0	43518	501	8.040	7.180	12.0	44009	503	3.910	3.610	8.3
41678	503	51.300	48.100	6.7	43518	502	16.900	15.500	9.0	44069	501	6.870	6.140	11.9
41680	501	13.800	12.300	12.2	43518	503	17.200	15.800	8.9	44069	502	14.400	13.300	8.3
41680	502	11.100	10.200	8.8	43550	501	101.000	87.200	15.8	44069	503	14.700	13.500	8.9

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44070	501	2.030	1.820	11.5	44111	503	1.220	1.110	9.9	44432	502	.380	.340	11.8
44070	502	4.260	3.930	8.4	44112	501	.770	.680	13.2	44432	503	.740	.670	10.4
44070	503	4.350	3.990	9.0	44112	502	.940	.860	9.3	44433	501	30.200	26.800	12.7
44071	501	2.260	2.020	11.9	44112	503	.720	.660	9.1	44433	502	12.000	10.900	10.1
44071	502	4.740	4.380	8.2	44276	501	138.000	120.000	15.0	44433	503	23.700	21.400	10.7
44071	503	4.840	4.440	9.0	44276	502	260.000	232.000	12.1	44434	501	57.800	51.200	12.9
44072	501	1.560	1.400	11.4	44276	503	80.200	71.200	12.6	44434	502	22.900	20.800	10.1
44072	502	3.280	3.020	8.6	44277	501	89.500	77.600	15.3	44434	503	45.300	40.900	10.8
44072	503	3.340	3.060	9.2	44277	502	168.000	150.000	12.0	44435	501	59.800	53.000	12.8
44100	501	2.300	2.040	12.7	44277	503	52.000	46.100	12.8	44435	502	23.700	21.600	9.7
44100	502	2.830	2.590	9.3	44280	501	.270	.280	-3.6	44435	503	46.900	42.400	10.6
44100	503	2.170	1.980	9.6	44280	502	.280	.290	-3.4	44436	501	69.900	62.000	12.7
44101	501	2.390	2.120	12.7	44280	503	.290	.300	-3.3	44436	502	27.700	25.200	9.9
44101	502	2.950	2.700	9.3	44311	501	4.150	3.710	11.9	44436	503	54.800	49.500	10.7
44101	503	2.260	2.060	9.7	44311	502	8.700	8.020	8.5	44437	501	57.900	51.300	12.9
44102	501	1.870	1.650	13.3	44311	503	8.880	8.140	9.1	44437	502	22.900	20.900	9.6
44102	502	2.300	2.100	9.5	44315	501	2.790	2.490	12.0	44437	503	45.400	41.000	10.7
44102	503	1.770	1.610	9.9	44315	502	5.850	5.390	8.5	44438	501	45.800	40.600	12.8
44103	501	1.650	1.460	13.0	44315	503	5.970	5.470	9.1	44438	502	18.100	16.500	9.7
44103	502	2.030	1.860	9.1	44427	501	89.400	79.200	12.9	44438	503	35.900	32.400	10.8
44103	503	1.560	1.420	9.9	44427	502	35.400	32.200	9.9	44439	501	89.100	79.000	12.8
44104	501	.690	.620	11.3	44427	503	70.100	63.300	10.7	44439	502	35.300	32.100	10.0
44104	502	.860	.780	10.3	44428	501	89.900	79.700	12.8	44439	503	69.900	63.100	10.8
44104	503	.660	.600	10.0	44428	502	35.600	32.400	9.9	44440	501	73.700	65.400	12.7
44108	501	.810	.720	12.5	44428	503	70.500	63.700	10.7	44440	502	29.200	26.600	9.8
44108	502	1.000	.920	8.7	44429	501	1.350	1.190	13.4	44440	503	57.800	52.200	10.7
44108	503	.770	.700	10.0	44429	502	.530	.490	8.2	45190	501	3.710	3.550	4.5
44109	501	2.060	1.820	13.2	44429	503	1.060	.950	11.6	45190	502	4.620	4.540	1.8
44109	502	2.540	2.320	9.5	44430	501	.940	.830	13.3	45190	503	2.830	2.770	2.2
44109	503	1.950	1.770	10.2	44430	502	.370	.340	8.8	45191	501	2.630	2.520	4.4
44110	501	2.110	1.870	12.8	44430	503	.730	.660	10.6	45191	502	3.280	3.230	1.5
44110	502	2.590	2.370	9.3	44431	501	2.990	2.650	12.8	45191	503	2.010	1.970	2.0
44110	503	1.990	1.810	9.9	44431	502	1.180	1.080	9.3	45192	501	3.080	2.940	4.8
44111	501	1.290	1.150	12.2	44431	503	2.350	2.120	10.8	45192	502	3.830	3.770	1.6
44111	502	1.590	1.460	8.9	44432	501	.950	.840	13.1	45192	503	2.350	2.300	2.2

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LOSS COST % CHANGE BY CLASS

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45193	501	1.820	1.740	4.6	46004	503	22.000	20.100	9.5	46700	502	389.000	347.000	12.1
45193	502	2.260	2.230	1.3	46005	501	20.100	18.000	11.7	46700	503	120.000	107.000	12.1
45193	503	1.390	1.360	2.2	46005	502	16.200	15.000	8.0	46911	501	12.700	11.400	11.4
45210	501	2.300	2.200	4.5	46005	503	17.600	16.100	9.3	46911	502	26.700	24.600	8.5
45210	502	2.860	2.820	1.4	46112	501	.097	.086	12.8	46911	503	27.200	24.900	9.2
45210	503	1.750	1.720	1.7	46112	502	.038	.035	8.6	46912	501	23.300	20.800	12.0
45334	501	59.300	51.400	15.4	46112	503	.076	.069	10.1	46912	502	48.800	45.000	8.4
45334	502	112.000	99.500	12.6	46202	501	4.710	4.500	4.7	46912	503	49.800	45.700	9.0
45334	503	34.500	30.600	12.7	46202	502	5.870	5.770	1.7	47050	501	1.080	1.110	-2.7
45380	501	.244	.260	-6.2	46202	503	3.590	3.520	2.0	47050	502	1.130	1.150	-1.7
45380	502	.310	.330	-6.1	46362	501	250.000	229.000	9.2	47050	503	1.180	1.190	-0.8
45380	503	.290	.310	-6.5	46362	502	246.000	232.000	6.0	47221	501	227.000	197.000	15.2
45450	501	17.400	15.100	15.2	46362	503	179.000	168.000	6.5	47221	502	427.000	381.000	12.1
45450	502	32.800	29.300	11.9	46426	501	36.500	33.400	9.3	47221	503	132.000	117.000	12.8
45450	503	10.100	8.990	12.3	46426	502	35.900	33.800	6.2	47318	501	5.220	4.670	11.8
45678	501	.290	.300	-3.3	46426	503	26.100	24.500	6.5	47318	502	11.000	10.100	8.9
45678	502	.310	.310	0.0	46427	501	48.700	44.600	9.2	47318	503	11.200	10.200	9.8
45678	503	.320	.320	0.0	46427	502	47.900	45.200	6.0	47367	501	.270	.280	-3.6
45771	501	.370	.400	-7.5	46427	503	34.900	32.800	6.4	47367	502	.280	.290	-3.4
45771	502	.470	.500	-6.0	46603	501	3.060	2.800	9.3	47367	503	.290	.300	-3.3
45771	503	.450	.480	-6.3	46603	502	3.010	2.840	6.0	47420	501	1.140	1.020	11.8
45819	501	.121	.130	-6.9	46603	503	2.190	2.060	6.3	47420	502	2.400	2.210	8.6
45819	502	.152	.162	-6.2	46604	501	3.530	3.230	9.3	47420	503	2.450	2.250	8.9
45819	503	.146	.156	-6.4	46604	502	3.470	3.280	5.8	47469	501	3.970	3.560	11.5
45900	501	.129	.118	9.3	46604	503	2.530	2.370	6.8	47469	502	3.210	2.950	8.8
45900	502	.105	.099	6.1	46606	501	9.410	8.630	9.0	47469	503	3.470	3.180	9.1
45900	503	.131	.123	6.5	46606	502	9.260	8.740	5.9	47471	501	3.440	3.080	11.7
45901	501	.110	.101	8.9	46606	503	6.750	6.330	6.6	47471	502	2.780	2.560	8.6
45901	502	.090	.085	5.9	46607	501	12.900	11.900	8.4	47471	503	3.010	2.760	9.1
45901	503	.113	.105	7.6	46607	502	12.700	12.000	5.8	47473	501	4.500	4.030	11.7
45937	501	.232	.202	14.9	46607	503	9.270	8.710	6.4	47473	502	3.630	3.350	8.4
45937	502	.440	.390	12.8	46622	501	11.600	11.800	-1.7	47473	503	3.930	3.600	9.2
45937	503	.135	.120	12.5	46622	502	12.100	12.300	-1.6	47474	501	5.030	4.510	11.5
46004	501	25.200	22.500	12.0	46622	503	12.600	12.700	-0.8	47474	502	4.060	3.740	8.6
46004	502	20.300	18.700	8.6	46700	501	207.000	179.000	15.6	47474	503	4.400	4.030	9.2

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47475	501	3.970	3.560	11.5	48637	503	11.700	10.700	9.3	49333	502	24.100	21.500	12.1
47475	502	3.210	2.950	8.8	48638	501	2.710	2.420	12.0	49333	503	7.430	6.590	12.7
47475	503	3.470	3.180	9.1	48638	502	5.680	5.230	8.6	49617	501	.340	.310	9.7
47476	501	3.970	3.560	11.5	48638	503	5.790	5.310	9.0	49617	502	.155	.144	7.6
47476	502	3.210	2.950	8.8	48808	501	1.900	1.740	9.2	49617	503	.260	.244	6.6
47476	503	3.470	3.180	9.1	48808	502	1.550	1.460	6.2	49618	501	.290	.260	11.5
47477	501	5.300	4.750	11.6	48808	503	1.940	1.810	7.2	49618	502	.130	.121	7.4
47477	502	4.270	3.940	8.4	48925	501	131.000	117.000	12.0	49618	503	.221	.205	7.8
47477	503	4.630	4.240	9.2	48925	502	274.000	252.000	8.7	49619	501	.540	.490	10.2
47478	501	5.560	4.980	11.6	48925	503	279.000	256.000	9.0	49619	502	.245	.228	7.5
47478	502	4.490	4.130	8.7	49005	501	.184	.188	-2.1	49619	503	.420	.390	7.7
47478	503	4.860	4.450	9.2	49005	502	.193	.195	-1.0	49763	501	3.510	3.170	10.7
48039	501	72.900	63.200	15.3	49005	503	.200	.203	-1.5	49763	502	1.590	1.480	7.4
48039	502	137.000	122.000	12.3	49111	501	2.910	2.660	9.4	49763	503	2.710	2.500	8.4
48039	503	42.400	37.600	12.8	49111	502	2.370	2.230	6.3	49801	501	200.000	173.000	15.6
48206	501	17.000	15.200	11.8	49111	503	2.970	2.770	7.2	49801	502	376.000	335.000	12.2
48206	502	35.600	32.900	8.2	49181	501	23.800	20.700	15.0	49801	503	116.000	103.000	12.6
48206	503	36.400	33.300	9.3	49181	502	44.800	40.000	12.0	49802	501	17.700	15.400	14.9
48441	501	.071	.064	10.9	49181	503	13.800	12.300	12.2	49802	502	33.400	29.700	12.5
48441	502	.150	.138	8.7	49183	501	29.000	25.200	15.1	49802	503	10.300	9.140	12.7
48441	503	.153	.140	9.3	49183	502	54.700	48.800	12.1	49803	501	31.400	27.200	15.4
48557	501	7.140	6.380	11.9	49183	503	16.900	15.000	12.7	49803	502	59.000	52.700	12.0
48557	502	15.000	13.800	8.7	49184	501	61.300	53.200	15.2	49803	503	18.200	16.200	12.3
48557	503	15.300	14.000	9.3	49184	502	115.000	103.000	11.7	49840	501	1.110	1.140	-2.6
48558	501	6.210	5.550	11.9	49184	503	35.600	31.600	12.7	49840	502	1.170	1.180	-0.8
48558	502	13.000	12.000	8.3	49185	501	55.800	48.400	15.3	49840	503	1.210	1.230	-1.6
48558	503	13.300	12.200	9.0	49185	502	105.000	93.600	12.2	49870	501	54.600	48.700	12.1
48600	501	72.900	66.800	9.1	49185	503	32.400	28.800	12.5	49870	502	114.000	106.000	7.5
48600	502	71.800	67.700	6.1	49239	501	.183	.197	-7.1	49870	503	117.000	107.000	9.3
48600	503	52.300	49.100	6.5	49239	502	.229	.244	-6.1	50010	501	.172	.183	-6.0
48636	501	1.110	1.160	-4.3	49239	503	.220	.235	-6.4	50010	502	.183	.190	-3.7
48636	502	1.480	1.530	-3.3	49292	501	1.740	1.510	15.2	50010	503	.174	.181	-3.9
48636	503	1.210	1.250	-3.2	49292	502	3.280	2.930	11.9	50015	501	.112	.119	-5.9
48637	501	5.450	4.870	11.9	49292	503	1.010	.900	12.2	50015	502	.119	.124	-4.0
48637	502	11.400	10.500	8.6	49333	501	12.800	11.100	15.3	50015	503	.113	.118	-4.2

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50017	501	.085	.091	-6.6	51221	503	.138	.143	-3.5	51300	502	.118	.119	-0.8
50017	502	.091	.094	-3.2	51222	501	.154	.161	-4.3	51300	503	.099	.100	-1.0
50017	503	.086	.090	-4.4	51222	502	.206	.213	-3.3	51305	501	.194	.197	-1.5
50045	501	.195	.207	-5.8	51222	503	.168	.174	-3.4	51305	502	.118	.119	-0.8
50045	502	.207	.215	-3.7	51224	501	.161	.169	-4.7	51305	503	.099	.100	-1.0
50045	503	.197	.205	-3.9	51224	502	.216	.223	-3.1	51315	501	.119	.128	-7.0
50047	501	.022	.023	-4.3	51224	503	.176	.183	-3.8	51315	502	.149	.159	-6.3
50047	502	.023	.024	-4.2	51230	501	.027	.029	-6.9	51315	503	.143	.153	-6.5
50047	503	.022	.023	-4.3	51230	502	.037	.038	-2.6	51330	501	.068	.071	-4.2
51001	501	.038	.040	-5.0	51230	503	.030	.031	-3.2	51330	502	.090	.093	-3.2
51001	502	.051	.052	-1.9	51240	501	.350	.380	-7.9	51330	503	.074	.076	-2.6
51001	503	.041	.043	-4.7	51240	502	.380	.390	-2.6	51333	501	.022	.023	-4.3
51005	501	.008	.008	0.0	51240	503	.360	.370	-2.7	51333	502	.030	.031	-3.2
51005	502	.010	.011	-9.1	51241	501	1.050	1.120	-6.3	51333	503	.024	.025	-4.0
51005	503	.009	.009	0.0	51241	502	1.120	1.160	-3.4	51340	501	.029	.031	-6.5
51116	501	.096	.100	-4.0	51241	503	1.060	1.100	-3.6	51340	502	.031	.032	-3.1
51116	502	.128	.132	-3.0	51250	501	.175	.183	-4.4	51340	503	.029	.031	-6.5
51116	503	.105	.109	-3.7	51250	502	.234	.242	-3.3	51350	501	.330	.330	0.0
51201	501	.029	.031	-6.5	51250	503	.191	.198	-3.5	51350	502	.198	.201	-1.5
51201	502	.031	.032	-3.1	51251	501	.030	.032	-6.3	51350	503	.167	.168	-0.6
51201	503	.030	.031	-3.2	51251	502	.032	.034	-5.9	51351	501	.290	.300	-3.3
51205	501	.090	.095	-5.3	51251	503	.031	.032	-3.1	51351	502	.178	.180	-1.1
51205	502	.095	.099	-4.0	51252	501	.107	.114	-6.1	51351	503	.149	.150	-0.7
51205	503	.091	.094	-3.2	51252	502	.114	.118	-3.4	51352	501	.400	.410	-2.4
51206	501	.014	.015	-6.7	51252	503	.108	.112	-3.6	51352	502	.244	.247	-1.2
51206	502	.015	.015	0.0	51253	501	.091	.097	-6.2	51352	503	.205	.206	-0.5
51206	503	.014	.015	-6.7	51253	502	.097	.100	-3.0	51355	501	.270	.280	-3.6
51210	501	.066	.070	-5.7	51253	503	.092	.096	-4.2	51355	502	.166	.168	-1.2
51210	502	.089	.092	-3.3	51254	501	.028	.030	-6.7	51355	503	.140	.141	-0.7
51210	503	.073	.075	-2.7	51254	502	.030	.031	-3.2	51356	501	.290	.300	-3.3
51220	501	.228	.238	-4.2	51254	503	.029	.030	-3.3	51356	502	.179	.181	-1.1
51220	502	.300	.310	-3.2	51255	501	.440	.460	-4.3	51356	503	.150	.152	-1.3
51220	503	.249	.260	-4.2	51255	502	.590	.610	-3.3	51357	501	.168	.181	-7.2
51221	501	.127	.132	-3.8	51255	503	.480	.500	-4.0	51357	502	.211	.225	-6.2
51221	502	.169	.175	-3.4	51300	501	.194	.197	-1.5	51357	503	.203	.217	-6.5

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51358	501	.410	.440	-6.8	51552	503	.049	.051	-3.9	51741	502	.196	.203	-3.4
51358	502	.510	.540	-5.6	51553	501	.087	.092	-5.4	51741	503	.186	.193	-3.6
51358	503	.490	.520	-5.8	51553	502	.092	.096	-4.2	51752	501	.155	.165	-6.1
51359	501	.360	.380	-5.3	51553	503	.087	.091	-4.4	51752	502	.165	.172	-4.1
51359	502	.450	.480	-6.3	51554	501	.008	.009	-11.1	51752	503	.157	.163	-3.7
51359	503	.430	.460	-6.5	51554	502	.009	.009	0.0	51767	501	.040	.041	-2.4
51370	501	.350	.370	-5.4	51554	503	.008	.009	-11.1	51767	502	.025	.025	0.0
51370	502	.370	.380	-2.6	51575	501	.087	.089	-2.2	51767	503	.021	.021	0.0
51370	503	.350	.360	-2.8	51575	502	.053	.054	-1.9	51777	501	.141	.143	-1.4
51380	501	.035	.037	-5.4	51575	503	.045	.045	0.0	51777	502	.086	.087	-1.1
51380	502	.037	.038	-2.6	51576	501	.155	.165	-6.1	51777	503	.072	.072	0.0
51380	503	.035	.036	-2.8	51576	502	.165	.172	-4.1	51790	501	.234	.238	-1.7
51400	501	.158	.166	-4.8	51576	503	.157	.163	-3.7	51790	502	.143	.144	-0.7
51400	502	.212	.218	-2.8	51600	501	.106	.113	-6.2	51790	503	.120	.121	-0.8
51400	503	.173	.179	-3.4	51600	502	.113	.117	-3.4	51796	501	.067	.071	-5.6
51401	501	.233	.244	-4.5	51600	503	.107	.111	-3.6	51796	502	.071	.074	-4.1
51401	502	.310	.320	-3.1	51613	501	.070	.074	-5.4	51796	503	.068	.070	-2.9
51401	503	.250	.260	-3.8	51613	502	.074	.077	-3.9	51808	501	.239	.250	-4.4
51500	501	.065	.070	-7.1	51613	503	.070	.073	-4.1	51808	502	.250	.260	-3.8
51500	502	.070	.072	-2.8	51625	501	.035	.036	-2.8	51808	503	.241	.250	-3.6
51500	503	.066	.069	-4.3	51625	502	.047	.048	-2.1	51809	501	.300	.320	-6.3
51516	501	.081	.083	-2.4	51625	503	.038	.039	-2.6	51809	502	.320	.330	-3.0
51516	502	.085	.086	-1.2	51666	501	.139	.141	-1.4	51809	503	.300	.310	-3.2
51516	503	.088	.089	-1.1	51666	502	.084	.085	-1.2	51833	501	.211	.215	-1.9
51517	501	.092	.094	-2.1	51666	503	.071	.071	0.0	51833	502	.128	.130	-1.5
51517	502	.096	.098	-2.0	51702	501	.104	.109	-4.6	51833	503	.108	.109	-0.9
51517	503	.100	.101	-1.0	51702	502	.140	.144	-2.8	51850	501	.163	.171	-4.7
51550	501	.081	.086	-5.8	51702	503	.114	.118	-3.4	51850	502	.219	.226	-3.1
51550	502	.086	.089	-3.4	51703	501	.043	.045	-4.4	51850	503	.178	.185	-3.8
51550	503	.082	.085	-3.5	51703	502	.058	.060	-3.3	51851	501	.111	.116	-4.3
51551	501	.028	.030	-6.7	51703	503	.047	.049	-4.1	51851	502	.148	.153	-3.3
51551	502	.030	.031	-3.2	51734	501	.081	.085	-4.7	51851	503	.121	.125	-3.2
51551	503	.028	.029	-3.4	51734	502	.109	.112	-2.7	51852	501	.260	.270	-3.7
51552	501	.049	.052	-5.8	51734	503	.089	.092	-3.3	51852	502	.350	.360	-2.8
51552	502	.052	.054	-3.7	51741	501	.184	.196	-6.1	51852	503	.280	.290	-3.4

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STATE: 24 - MISSOURI
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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
51853	501	.104	.109	-4.6	51919	503	.075	.078	-3.8	51982	502	.047	.048	-2.1
51853	502	.140	.144	-2.8	51926	501	.075	.080	-6.2	51982	503	.044	.046	-4.3
51853	503	.114	.118	-3.4	51926	502	.080	.083	-3.6	51985	501	.076	.077	-1.3
51854	501	.234	.245	-4.5	51926	503	.076	.079	-3.8	51985	502	.079	.080	-1.3
51854	502	.310	.320	-3.1	51927	501	.041	.043	-4.7	51985	503	.082	.083	-1.2
51854	503	.260	.270	-3.7	51927	502	.043	.045	-4.4	51986	501	.172	.183	-6.0
51855	501	.246	.260	-5.4	51927	503	.041	.043	-4.7	51986	502	.183	.190	-3.7
51855	502	.330	.340	-2.9	51934	501	.083	.088	-5.7	51986	503	.174	.181	-3.9
51855	503	.270	.280	-3.6	51934	502	.088	.091	-3.3	51999	501	.073	.077	-5.2
51856	501	.135	.141	-4.3	51934	503	.083	.087	-4.6	51999	502	.077	.080	-3.7
51856	502	.181	.186	-2.7	51941	501	.075	.080	-6.2	51999	503	.073	.076	-3.9
51856	503	.147	.153	-3.9	51941	502	.080	.083	-3.6	52002	501	.064	.068	-5.9
51857	501	.231	.242	-4.5	51941	503	.076	.079	-3.8	52002	502	.068	.070	-2.9
51857	502	.310	.320	-3.1	51942	501	.120	.128	-6.2	52002	503	.064	.067	-4.5
51857	503	.250	.260	-3.8	51942	502	.128	.132	-3.0	52075	501	.129	.135	-4.4
51869	501	.079	.084	-6.0	51942	503	.121	.126	-4.0	52075	502	.172	.178	-3.4
51869	502	.084	.087	-3.4	51956	501	.320	.340	-5.9	52075	503	.140	.146	-4.1
51869	503	.080	.083	-3.6	51956	502	.340	.360	-5.6	52076	501	.155	.162	-4.3
51877	501	.450	.470	-4.3	51956	503	.330	.340	-2.9	52076	502	.207	.214	-3.3
51877	502	.470	.490	-4.1	51957	501	.290	.300	-3.3	52076	503	.169	.175	-3.4
51877	503	.450	.470	-4.3	51957	502	.300	.310	-3.2	52109	501	.016	.017	-5.9
51889	501	.073	.078	-6.4	51957	503	.290	.300	-3.3	52109	502	.017	.018	-5.6
51889	502	.078	.081	-3.7	51958	501	.250	.270	-7.4	52109	503	.016	.017	-5.9
51889	503	.074	.077	-3.9	51958	502	.270	.280	-3.6	52134	501	.213	.227	-6.2
51896	501	.034	.036	-5.6	51958	503	.260	.270	-3.7	52134	502	.227	.235	-3.4
51896	502	.036	.038	-5.3	51959	501	.260	.280	-7.1	52134	503	.215	.224	-4.0
51896	503	.035	.036	-2.8	51959	502	.280	.290	-3.4	52137	501	.051	.053	-3.8
51900	501	.158	.160	-1.3	51959	503	.260	.270	-3.7	52137	502	.068	.070	-2.9
51900	502	.096	.097	-1.0	51960	501	.034	.036	-5.6	52137	503	.055	.057	-3.5
51900	503	.081	.081	0.0	51960	502	.036	.038	-5.3	52150	501	.390	.420	-7.1
51909	501	.148	.154	-3.9	51960	503	.035	.036	-2.8	52150	502	.420	.430	-2.3
51909	502	.198	.204	-2.9	51970	501	.149	.158	-5.7	52150	503	.400	.410	-2.4
51909	503	.161	.167	-3.6	51970	502	.159	.164	-3.0	52315	501	.183	.186	-1.6
51919	501	.074	.079	-6.3	51970	503	.150	.156	-3.8	52315	502	.112	.113	-0.9
51919	502	.079	.082	-3.7	51982	501	.044	.047	-6.4	52315	503	.094	.094	0.0

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
52341	501	.032	.033	-3.0	52469	503	.034	.035	-2.9	53095	502	.059	.061	-3.3
52341	502	.042	.044	-4.5	52505	501	.167	.178	-6.2	53095	503	.056	.058	-3.4
52341	503	.035	.036	-2.8	52505	502	.178	.184	-3.3	53096	501	.077	.082	-6.1
52342	501	.092	.096	-4.2	52505	503	.169	.176	-4.0	53096	502	.082	.085	-3.5
52342	502	.123	.127	-3.1	52547	501	.150	.157	-4.5	53096	503	.077	.081	-4.9
52342	503	.100	.104	-3.8	52547	502	.200	.207	-3.4	53121	501	.218	.232	-6.0
52343	501	.056	.058	-3.4	52547	503	.164	.170	-3.5	53121	502	.232	.241	-3.7
52343	502	.075	.077	-2.6	52581	501	.810	.870	-6.9	53121	503	.220	.229	-3.9
52343	503	.061	.063	-3.2	52581	502	.870	.900	-3.3	53147	501	.023	.024	-4.2
52401	501	.173	.181	-4.4	52581	503	.820	.860	-4.7	53147	502	.031	.032	-3.1
52401	502	.231	.239	-3.3	52619	501	.057	.061	-6.6	53147	503	.025	.026	-3.8
52401	503	.189	.196	-3.6	52619	502	.061	.063	-3.2	53229	501	.130	.136	-4.4
52402	501	.016	.017	-5.9	52619	503	.058	.060	-3.3	53229	502	.174	.179	-2.8
52402	502	.017	.018	-5.6	52660	501	.096	.099	-3.0	53229	503	.142	.147	-3.4
52402	503	.016	.017	-5.9	52660	502	.101	.102	-1.0	53271	501	.041	.044	-6.8
52432	501	.080	.085	-5.9	52660	503	.105	.106	-0.9	53271	502	.044	.045	-2.2
52432	502	.085	.088	-3.4	52744	501	.810	.820	-1.2	53271	503	.041	.043	-4.7
52432	503	.081	.084	-3.6	52744	502	.490	.500	-2.0	53333	501	.128	.134	-4.5
52433	501	.073	.078	-6.4	52744	503	.410	.420	-2.4	53333	502	.171	.176	-2.8
52433	502	.078	.080	-2.5	52767	501	.137	.143	-4.2	53333	503	.139	.144	-3.5
52433	503	.074	.077	-3.9	52767	502	.183	.189	-3.2	53374	501	.213	.217	-1.8
52435	501	.091	.097	-6.2	52767	503	.150	.155	-3.2	53374	502	.130	.131	-0.8
52435	502	.097	.101	-4.0	52911	501	.046	.048	-4.2	53374	503	.109	.110	-0.9
52435	503	.092	.096	-4.2	52911	502	.048	.050	-4.0	53375	501	.113	.115	-1.7
52438	501	.066	.070	-5.7	52911	503	.046	.048	-4.2	53375	502	.069	.070	-1.4
52438	502	.070	.073	-4.1	52967	501	.017	.018	-5.6	53375	503	.058	.058	0.0
52438	503	.067	.069	-2.9	52967	502	.018	.019	-5.3	53376	501	.181	.184	-1.6
52440	501	.104	.110	-5.5	52967	503	.017	.018	-5.6	53376	502	.110	.112	-1.8
52440	502	.110	.114	-3.5	53001	501	.167	.178	-6.2	53376	503	.093	.093	0.0
52440	503	.105	.109	-3.7	53001	502	.178	.185	-3.8	53377	501	.185	.189	-2.1
52467	501	.096	.102	-5.9	53001	503	.169	.176	-4.0	53377	502	.113	.114	-0.9
52467	502	.102	.106	-3.8	53077	501	.080	.086	-7.0	53377	503	.095	.096	-1.0
52467	503	.097	.101	-4.0	53077	502	.086	.089	-3.4	53403	501	.117	.119	-1.7
52469	501	.034	.036	-5.6	53077	503	.081	.085	-4.7	53403	502	.071	.072	-1.4
52469	502	.036	.037	-2.7	53095	501	.055	.059	-6.8	53403	503	.060	.060	0.0

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
53425	501	.120	.126	-4.8	54077	503	.111	.115	-3.5	55715	502	.182	.189	-3.7
53425	502	.161	.166	-3.0	55010	501	.330	.350	-5.7	55715	503	.173	.180	-3.9
53425	503	.131	.136	-3.7	55010	502	.350	.360	-2.8	55716	501	.248	.260	-4.6
53565	501	.136	.139	-2.2	55010	503	.330	.350	-5.7	55716	502	.260	.270	-3.7
53565	502	.083	.084	-1.2	55011	501	.089	.095	-6.3	55716	503	.250	.260	-3.8
53565	503	.070	.070	0.0	55011	502	.095	.099	-4.0	55717	501	.174	.182	-4.4
53631	501	.025	.027	-7.4	55011	503	.090	.094	-4.3	55717	502	.233	.240	-2.9
53631	502	.027	.028	-3.6	55012	501	.106	.113	-6.2	55717	503	.190	.197	-3.6
53631	503	.026	.027	-3.7	55012	502	.113	.117	-3.4	55718	501	.169	.177	-4.5
53632	501	.029	.031	-6.5	55012	503	.107	.112	-4.5	55718	502	.226	.233	-3.0
53632	502	.031	.032	-3.1	55013	501	.109	.114	-4.4	55718	503	.184	.191	-3.7
53632	503	.029	.031	-6.5	55013	502	.145	.150	-3.3	55802	501	.141	.143	-1.4
53731	501	.027	.028	-3.6	55013	503	.119	.123	-3.3	55802	502	.086	.087	-1.1
53731	502	.028	.029	-3.4	55214	501	.086	.092	-6.5	55802	503	.072	.072	0.0
53731	503	.027	.028	-3.6	55214	502	.092	.095	-3.2	55918	501	.098	.104	-5.8
53732	501	.182	.194	-6.2	55214	503	.087	.091	-4.4	55918	502	.104	.108	-3.7
53732	502	.194	.201	-3.5	55371	501	.540	.550	-1.8	55918	503	.099	.103	-3.9
53732	503	.184	.191	-3.7	55371	502	.330	.330	0.0	55919	501	.013	.014	-7.1
53733	501	.118	.126	-6.3	55371	503	.280	.280	0.0	55919	502	.014	.015	-6.7
53733	502	.126	.131	-3.8	55426	501	.132	.138	-4.3	55919	503	.013	.014	-7.1
53733	503	.120	.124	-3.2	55426	502	.176	.182	-3.3	56040	501	.009	.010	-10.0
53734	501	.490	.500	-2.0	55426	503	.144	.149	-3.4	56040	502	.010	.010	0.0
53734	502	.510	.520	-1.9	55597	501	.022	.023	-4.3	56040	503	.009	.010	-10.0
53734	503	.530	.540	-1.9	55597	502	.023	.024	-4.2	56041	501	.061	.065	-6.2
53803	501	.290	.300	-3.3	55597	503	.022	.023	-4.3	56041	502	.065	.067	-3.0
53803	502	.380	.400	-5.0	55647	501	.043	.046	-6.5	56041	503	.062	.064	-3.1
53803	503	.310	.320	-3.1	55647	502	.046	.048	-4.2	56042	501	.077	.082	-6.1
53907	501	.080	.085	-5.9	55647	503	.044	.045	-2.2	56042	502	.082	.085	-3.5
53907	502	.085	.088	-3.4	55648	501	.020	.021	-4.8	56042	503	.077	.081	-4.9
53907	503	.081	.084	-3.6	55648	502	.021	.022	-4.5	56170	501	.118	.124	-4.8
54012	501	.049	.050	-2.0	55648	503	.020	.020	0.0	56170	502	.158	.163	-3.1
54012	502	.051	.052	-1.9	55649	501	.023	.025	-8.0	56170	503	.129	.134	-3.7
54012	503	.053	.054	-1.9	55649	502	.025	.026	-3.8	56171	501	.058	.061	-4.9
54077	501	.110	.117	-6.0	55649	503	.023	.024	-4.2	56171	502	.078	.080	-2.5
54077	502	.117	.121	-3.3	55715	501	.171	.182	-6.0	56171	503	.063	.066	-4.5

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CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
56202	501	.061	.065	-6.2	56690	503	.062	.063	-1.6	56912	502	.114	.118	-3.4
56202	502	.065	.067	-3.0	56699	501	.068	.072	-5.6	56912	503	.093	.097	-4.1
56202	503	.062	.064	-3.1	56699	502	.072	.075	-4.0	56913	501	.070	.073	-4.1
56390	501	.106	.113	-6.2	56699	503	.068	.071	-4.2	56913	502	.093	.096	-3.1
56390	502	.113	.117	-3.4	56758	501	.058	.061	-4.9	56913	503	.076	.079	-3.8
56390	503	.107	.112	-4.5	56758	502	.061	.063	-3.2	56915	501	.410	.430	-4.7
56391	501	.091	.097	-6.2	56758	503	.058	.060	-3.3	56915	502	.550	.570	-3.5
56391	502	.097	.101	-4.0	56759	501	.059	.063	-6.3	56915	503	.450	.470	-4.3
56391	503	.092	.096	-4.2	56759	502	.063	.065	-3.1	56916	501	.370	.390	-5.1
56427	501	.147	.157	-6.4	56759	503	.059	.062	-4.8	56916	502	.500	.510	-2.0
56427	502	.157	.162	-3.1	56760	501	.085	.090	-5.6	56916	503	.410	.420	-2.4
56427	503	.149	.155	-3.9	56760	502	.090	.093	-3.2	56917	501	.108	.113	-4.4
56488	501	.234	.238	-1.7	56760	503	.085	.089	-4.5	56917	502	.144	.149	-3.4
56488	502	.143	.144	-0.7	56805	501	.111	.118	-5.9	56917	503	.117	.122	-4.1
56488	503	.120	.121	-0.8	56805	502	.118	.123	-4.1	56918	501	.052	.054	-3.7
56567	501	.122	.128	-4.7	56805	503	.112	.117	-4.3	56918	502	.069	.071	-2.8
56567	502	.164	.169	-3.0	56806	501	.079	.084	-6.0	56918	503	.056	.058	-3.4
56567	503	.134	.138	-2.9	56806	502	.084	.087	-3.4	56919	501	.132	.138	-4.3
56650	501	.370	.390	-5.1	56806	503	.079	.083	-4.8	56919	502	.176	.182	-3.3
56650	502	.500	.520	-3.8	56807	501	.078	.083	-6.0	56919	503	.144	.149	-3.4
56650	503	.410	.420	-2.4	56807	502	.083	.086	-3.5	56920	501	.120	.126	-4.8
56651	501	.204	.213	-4.2	56807	503	.079	.082	-3.7	56920	502	.161	.166	-3.0
56651	502	.270	.280	-3.6	56808	501	.102	.109	-6.4	56920	503	.131	.136	-3.7
56651	503	.222	.230	-3.5	56808	502	.109	.113	-3.5	56980	501	.085	.090	-5.6
56652	501	.146	.152	-3.9	56808	503	.103	.107	-3.7	56980	502	.090	.094	-4.3
56652	502	.195	.201	-3.0	56900	501	.098	.104	-5.8	56980	503	.086	.089	-3.4
56652	503	.159	.165	-3.6	56900	502	.104	.108	-3.7	57001	501	.029	.031	-6.5
56653	501	.140	.147	-4.8	56900	503	.099	.103	-3.9	57001	502	.031	.032	-3.1
56653	502	.188	.194	-3.1	56910	501	.049	.052	-5.8	57001	503	.029	.031	-6.5
56653	503	.153	.159	-3.8	56910	502	.052	.054	-3.7	57002	501	.019	.020	-5.0
56654	501	.072	.075	-4.0	56910	503	.049	.051	-3.9	57002	502	.020	.021	-4.8
56654	502	.096	.099	-3.0	56911	501	.105	.110	-4.5	57002	503	.019	.020	-5.0
56654	503	.078	.081	-3.7	56911	502	.141	.146	-3.4	57090	501	.193	.202	-4.5
56690	501	.121	.124	-2.4	56911	503	.115	.119	-3.4	57090	502	.260	.270	-3.7
56690	502	.074	.075	-1.3	56912	501	.085	.089	-4.5	57090	503	.211	.218	-3.2

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STATE: 24 - MISSOURI
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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
57146	501	.122	.128	-4.7	57651	503	.048	.050	-4.0	57997	502	.113	.115	-1.7
57146	502	.164	.169	-3.0	57690	501	.082	.086	-4.7	57997	503	.118	.119	-0.8
57146	503	.134	.138	-2.9	57690	502	.110	.114	-3.5	57998	501	.052	.055	-5.5
57202	501	.075	.080	-6.2	57690	503	.090	.093	-3.2	57998	502	.055	.057	-3.5
57202	502	.080	.083	-3.6	57716	501	.039	.041	-4.9	57998	503	.053	.055	-3.6
57202	503	.076	.079	-3.8	57716	502	.052	.054	-3.7	57999	501	.054	.056	-3.6
57257	501	.093	.099	-6.1	57716	503	.043	.044	-2.3	57999	502	.072	.074	-2.7
57257	502	.099	.103	-3.9	57725	501	.085	.089	-4.5	57999	503	.059	.061	-3.3
57257	503	.094	.098	-4.1	57725	502	.114	.118	-3.4	58009	501	.054	.056	-3.6
57401	501	.053	.056	-5.4	57725	503	.093	.097	-4.1	58009	502	.072	.074	-2.7
57401	502	.056	.059	-5.1	57726	501	.066	.070	-5.7	58009	503	.059	.061	-3.3
57401	503	.054	.056	-3.6	57726	502	.089	.092	-3.3	58010	501	.121	.129	-6.2
57403	501	.290	.290	0.0	57726	503	.073	.075	-2.7	58010	502	.129	.133	-3.0
57403	502	.175	.177	-1.1	57798	501	.024	.026	-7.7	58010	503	.122	.127	-3.9
57403	503	.147	.148	-0.7	57798	502	.026	.027	-3.7	58020	501	.310	.310	0.0
57410	501	.026	.027	-3.7	57798	503	.025	.026	-3.8	58020	502	.188	.190	-1.1
57410	502	.027	.028	-3.6	57800	501	.091	.097	-6.2	58020	503	.158	.159	-0.6
57410	503	.026	.027	-3.7	57800	502	.097	.100	-3.0	58056	501	.144	.153	-5.9
57411	501	.030	.031	-3.2	57800	503	.092	.095	-3.2	58056	502	.153	.159	-3.8
57411	502	.040	.041	-2.4	57808	501	.033	.034	-2.9	58056	503	.145	.151	-4.0
57411	503	.032	.033	-3.0	57808	502	.044	.045	-2.2	58057	501	.091	.097	-6.2
57572	501	.015	.016	-6.3	57808	503	.036	.037	-2.7	58057	502	.097	.100	-3.0
57572	502	.016	.017	-5.9	57809	501	.034	.035	-2.9	58057	503	.092	.095	-3.2
57572	503	.015	.016	-6.3	57809	502	.045	.047	-4.3	58058	501	.081	.087	-6.9
57600	501	.045	.048	-6.3	57809	503	.037	.038	-2.6	58058	502	.087	.090	-3.3
57600	502	.048	.049	-2.0	57810	501	.033	.034	-2.9	58058	503	.082	.086	-4.7
57600	503	.045	.047	-4.3	57810	502	.044	.045	-2.2	58095	501	.115	.122	-5.7
57611	501	.063	.066	-4.5	57810	503	.036	.037	-2.7	58095	502	.122	.127	-3.9
57611	502	.085	.087	-2.3	57871	501	.039	.041	-4.9	58095	503	.116	.120	-3.3
57611	503	.069	.072	-4.2	57871	502	.052	.054	-3.7	58096	501	.152	.162	-6.2
57625	501	.390	.420	-7.1	57871	503	.043	.044	-2.3	58096	502	.162	.168	-3.6
57625	502	.420	.440	-4.5	57913	501	.117	.125	-6.4	58096	503	.154	.160	-3.7
57625	503	.400	.410	-2.4	57913	502	.125	.130	-3.8	58301	501	.041	.043	-4.7
57651	501	.048	.051	-5.9	57913	503	.119	.123	-3.3	58301	502	.055	.057	-3.5
57651	502	.051	.053	-3.8	57997	501	.108	.111	-2.7	58301	503	.045	.047	-4.3

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LOSS COST % CHANGE BY CLASS

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58302	501	.041	.044	-6.8	58560	503	.041	.042	-2.4	58822	502	.149	.155	-3.9
58302	502	.044	.045	-2.2	58575	501	.052	.055	-5.5	58822	503	.142	.147	-3.4
58302	503	.041	.043	-4.7	58575	502	.055	.057	-3.5	58837	501	.250	.260	-3.8
58397	501	.239	.250	-4.4	58575	503	.053	.055	-3.6	58837	502	.330	.350	-5.7
58397	502	.250	.260	-3.8	58627	501	.167	.178	-6.2	58837	503	.270	.280	-3.6
58397	503	.241	.250	-3.6	58627	502	.178	.184	-3.3	58840	501	.075	.078	-3.8
58408	501	.064	.065	-1.5	58627	503	.169	.176	-4.0	58840	502	.100	.103	-2.9
58408	502	.067	.068	-1.5	58663	501	.270	.280	-3.6	58840	503	.082	.085	-3.5
58408	503	.069	.070	-1.4	58663	502	.360	.370	-2.7	58873	501	.119	.125	-4.8
58409	501	.081	.083	-2.4	58663	503	.300	.310	-3.2	58873	502	.159	.165	-3.6
58409	502	.085	.086	-1.2	58682	501	.149	.158	-5.7	58873	503	.130	.135	-3.7
58409	503	.088	.089	-1.1	58682	502	.158	.164	-3.7	58903	501	.032	.034	-5.9
58456	501	.043	.044	-2.3	58682	503	.150	.156	-3.8	58903	502	.034	.036	-5.6
58456	502	.045	.046	-2.2	58713	501	.089	.091	-2.2	58903	503	.032	.034	-5.9
58456	503	.047	.048	-2.1	58713	502	.054	.055	-1.8	58904	501	.025	.026	-3.8
58457	501	.063	.064	-1.6	58713	503	.046	.046	0.0	58904	502	.026	.027	-3.7
58457	502	.066	.067	-1.5	58737	501	.108	.115	-6.1	58904	503	.025	.026	-3.8
58457	503	.068	.069	-1.4	58737	502	.115	.119	-3.4	58922	501	.198	.207	-4.3
58458	501	.081	.083	-2.4	58737	503	.109	.113	-3.5	58922	502	.270	.270	0.0
58458	502	.085	.086	-1.2	58756	501	.051	.053	-3.8	58922	503	.216	.224	-3.6
58458	503	.088	.089	-1.1	58756	502	.068	.070	-2.9	59005	501	.061	.065	-6.2
58459	501	.097	.100	-3.0	58756	503	.055	.057	-3.5	59005	502	.065	.067	-3.0
58459	502	.102	.103	-1.0	58757	501	.360	.390	-7.7	59005	503	.062	.064	-3.1
58459	503	.106	.107	-0.9	58757	502	.390	.400	-2.5	59057	501	.450	.480	-6.3
58503	501	.064	.068	-5.9	58757	503	.370	.380	-2.6	59057	502	.480	.500	-4.0
58503	502	.068	.070	-2.9	58759	501	.045	.048	-6.3	59057	503	.460	.470	-2.1
58503	503	.064	.067	-4.5	58759	502	.048	.049	-2.0	59058	501	.290	.310	-6.5
58532	501	.082	.087	-5.7	58759	503	.045	.047	-4.3	59058	502	.310	.320	-3.1
58532	502	.087	.091	-4.4	58802	501	.051	.054	-5.6	59058	503	.290	.310	-6.5
58532	503	.083	.086	-3.5	58802	502	.054	.056	-3.6	59188	501	.610	.620	-1.6
58559	501	.017	.018	-5.6	58802	503	.051	.054	-5.6	59188	502	.370	.380	-2.6
58559	502	.018	.019	-5.3	58813	501	.124	.130	-4.6	59188	503	.310	.320	-3.1
58559	503	.017	.018	-5.6	58813	502	.167	.172	-2.9	59189	501	.840	.860	-2.3
58560	501	.040	.043	-7.0	58813	503	.136	.141	-3.5	59189	502	.510	.520	-1.9
58560	502	.043	.045	-4.4	58822	501	.140	.149	-6.0	59189	503	.430	.430	0.0

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CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
59223	501	.123	.129	-4.7	59693	503	.016	.017	-5.9	59774	502	.018	.018	0.0
59223	502	.165	.170	-2.9	59701	501	.008	.008	0.0	59774	503	.015	.015	0.0
59223	503	.135	.140	-3.6	59701	502	.008	.008	0.0	59775	501	.038	.039	-2.6
59257	501	.016	.017	-5.9	59701	503	.008	.008	0.0	59775	502	.023	.024	-4.2
59257	502	.017	.018	-5.6	59713	501	.172	.183	-6.0	59775	503	.020	.020	0.0
59257	503	.017	.017	0.0	59713	502	.183	.190	-3.7	59781	501	.056	.058	-3.4
59306	501	.103	.110	-6.4	59713	503	.173	.181	-4.4	59781	502	.075	.077	-2.6
59306	502	.110	.114	-3.5	59722	501	.089	.095	-6.3	59781	503	.061	.063	-3.2
59306	503	.104	.108	-3.7	59722	502	.095	.098	-3.1	59782	501	.083	.087	-4.6
59378	501	.080	.084	-4.8	59722	503	.090	.094	-4.3	59782	502	.111	.115	-3.5
59378	502	.107	.111	-3.6	59723	501	.034	.036	-5.6	59782	503	.091	.094	-3.2
59378	503	.088	.091	-3.3	59723	502	.036	.037	-2.7	59783	501	.081	.085	-4.7
59481	501	.280	.290	-3.4	59723	503	.034	.035	-2.9	59783	502	.109	.112	-2.7
59481	502	.290	.310	-6.5	59724	501	.051	.055	-7.3	59783	503	.089	.092	-3.3
59481	503	.280	.290	-3.4	59724	502	.055	.057	-3.5	59784	501	.062	.065	-4.6
59482	501	.640	.650	-1.5	59724	503	.052	.054	-3.7	59784	502	.083	.086	-3.5
59482	502	.390	.390	0.0	59725	501	.064	.068	-5.9	59784	503	.068	.070	-2.9
59482	503	.330	.330	0.0	59725	502	.068	.071	-4.2	59790	501	.115	.122	-5.7
59537	501	.086	.090	-4.4	59725	503	.065	.067	-3.0	59790	502	.122	.127	-3.9
59537	502	.116	.119	-2.5	59726	501	.047	.050	-6.0	59790	503	.116	.120	-3.3
59537	503	.094	.098	-4.1	59726	502	.050	.051	-2.0	59798	501	.212	.222	-4.5
59601	501	.104	.111	-6.3	59726	503	.047	.049	-4.1	59798	502	.280	.290	-3.4
59601	502	.111	.115	-3.5	59738	501	.149	.158	-5.7	59798	503	.231	.240	-3.7
59601	503	.105	.110	-4.5	59738	502	.158	.164	-3.7	59806	501	.152	.159	-4.4
59647	501	.290	.290	0.0	59738	503	.150	.156	-3.8	59806	502	.203	.210	-3.3
59647	502	.174	.176	-1.1	59750	501	.064	.067	-4.5	59806	503	.166	.172	-3.5
59647	503	.146	.147	-0.7	59750	502	.086	.089	-3.4	59867	501	.129	.137	-5.8
59660	501	.192	.204	-5.9	59750	503	.070	.073	-4.1	59867	502	.137	.142	-3.5
59660	502	.204	.212	-3.8	59751	501	.023	.024	-4.2	59867	503	.130	.136	-4.4
59660	503	.194	.202	-4.0	59751	502	.031	.032	-3.1	59886	501	.017	.019	-10.5
59661	501	.094	.100	-6.0	59751	503	.025	.026	-3.8	59886	502	.019	.019	0.0
59661	502	.100	.104	-3.8	59773	501	.036	.037	-2.7	59886	503	.018	.018	0.0
59661	503	.095	.099	-4.0	59773	502	.022	.022	0.0	59889	501	.119	.121	-1.7
59693	501	.016	.017	-5.9	59773	503	.019	.019	0.0	59889	502	.073	.074	-1.4
59693	502	.017	.017	0.0	59774	501	.030	.030	0.0	59889	503	.061	.061	0.0

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59892	501	.081	.085	-4.7	59932	503	.232	.241	-3.7	59986	502	.114	.119	-4.2
59892	502	.109	.112	-2.7	59941	501	.072	.076	-5.3	59986	503	.109	.113	-3.5
59892	503	.089	.092	-3.3	59941	502	.076	.079	-3.8	59988	501	.026	.028	-7.1
59904	501	.055	.057	-3.5	59941	503	.072	.075	-4.0	59988	502	.035	.036	-2.8
59904	502	.073	.076	-3.9	59947	501	.055	.057	-3.5	59988	503	.029	.030	-3.3
59904	503	.060	.062	-3.2	59947	502	.073	.076	-3.9	59989	501	.019	.020	-5.0
59905	501	.081	.086	-5.8	59947	503	.060	.062	-3.2	59989	502	.020	.021	-4.8
59905	502	.086	.089	-3.4	59955	501	.027	.029	-6.9	59989	503	.019	.020	-5.0
59905	503	.082	.085	-3.5	59955	502	.029	.030	-3.3	60010	501	19.300	17.500	10.3
59914	501	.470	.500	-6.0	59955	503	.028	.029	-3.4	60010	502	22.900	21.400	7.0
59914	502	.510	.520	-1.9	59963	501	.204	.217	-6.0	60010	503	14.100	13.100	7.6
59914	503	.480	.500	-4.0	59963	502	.217	.225	-3.6	60011	501	22.200	20.100	10.4
59915	501	.182	.191	-4.7	59963	503	.206	.214	-3.7	60011	502	26.400	24.600	7.3
59915	502	.244	.250	-2.4	59964	501	.480	.510	-5.9	60011	503	16.200	15.100	7.3
59915	503	.199	.207	-3.9	59964	502	.510	.530	-3.8	60012	501	36.400	33.000	10.3
59917	501	.034	.035	-2.9	59964	503	.480	.500	-4.0	60012	502	43.300	40.400	7.2
59917	502	.045	.047	-4.3	59970	501	.074	.077	-3.9	60012	503	26.700	24.800	7.7
59917	503	.037	.038	-2.6	59970	502	.099	.102	-2.9	60013	501	31.200	28.300	10.2
59923	501	.012	.012	0.0	59970	503	.081	.084	-3.6	60013	502	37.100	34.600	7.2
59923	502	.012	.013	-7.7	59973	501	.131	.140	-6.4	60013	503	22.900	21.200	8.0
59923	503	.012	.012	0.0	59973	502	.140	.145	-3.4	60015	501	23.300	21.100	10.4
59925	501	.370	.390	-5.1	59973	503	.133	.138	-3.6	60015	502	27.700	25.900	6.9
59925	502	.460	.490	-6.1	59975	501	.103	.108	-4.6	60015	503	17.100	15.900	7.5
59925	503	.440	.470	-6.4	59975	502	.138	.143	-3.5	60016	501	26.200	23.800	10.1
59926	501	.310	.330	-6.1	59975	503	.113	.117	-3.4	60016	502	31.200	29.100	7.2
59926	502	.390	.420	-7.1	59977	501	.059	.062	-4.8	60016	503	19.200	17.800	7.9
59926	503	.370	.400	-7.5	59977	502	.079	.082	-3.7	60035	501	43.800	40.100	9.2
59927	501	.209	.225	-7.1	59977	503	.064	.067	-4.5	60035	502	43.100	40.600	6.2
59927	502	.260	.280	-7.1	59984	501	.036	.038	-5.3	60035	503	31.400	29.400	6.8
59927	503	.250	.270	-7.4	59984	502	.038	.040	-5.0	61000	501	19.100	17.300	10.4
59931	501	.213	.227	-6.2	59984	503	.036	.038	-5.3	61000	502	22.700	21.200	7.1
59931	502	.227	.235	-3.4	59985	501	.141	.150	-6.0	61000	503	14.000	13.000	7.7
59931	503	.215	.224	-4.0	59985	502	.150	.155	-3.2	61212	501	23.500	21.600	8.8
59932	501	.230	.244	-5.7	59985	503	.142	.148	-4.1	61212	502	23.100	21.800	6.0
59932	502	.245	.250	-2.0	59986	501	.108	.114	-5.3	61212	503	16.900	15.800	7.0

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 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
61216	501	26.100	23.900	9.2	62003	503	13.800	13.000	6.2	66122	502	16.400	15.500	5.8
61216	502	25.700	24.200	6.2	63010	501	34.700	31.400	10.5	66122	503	12.000	11.200	7.1
61216	503	18.700	17.600	6.3	63010	502	41.300	38.500	7.3	66123	501	9.170	8.410	9.0
61217	501	23.800	21.800	9.2	63010	503	25.400	23.600	7.6	66123	502	9.030	8.520	6.0
61217	502	23.400	22.100	5.9	63011	501	43.400	39.300	10.4	66123	503	6.580	6.170	6.6
61217	503	17.000	16.000	6.3	63011	502	51.600	48.100	7.3	66309	501	26.800	24.600	8.9
61218	501	16.200	14.900	8.7	63011	503	31.800	29.500	7.8	66309	502	26.400	24.900	6.0
61218	502	16.000	15.100	6.0	63012	501	61.700	55.900	10.4	66309	503	19.200	18.000	6.7
61218	503	11.600	10.900	6.4	63012	502	73.400	68.400	7.3	66561	501	62.100	56.900	9.1
61223	501	110.000	100.000	10.0	63012	503	45.200	41.900	7.9	66561	502	61.100	57.700	5.9
61223	502	108.000	102.000	5.9	63013	501	58.400	52.900	10.4	66561	503	44.500	41.800	6.5
61223	503	78.600	73.800	6.5	63013	502	69.500	64.800	7.3	67017	501	57.600	52.800	9.1
61224	501	38.800	35.600	9.0	63013	503	42.800	39.700	7.8	67017	502	56.700	53.500	6.0
61224	502	38.200	36.000	6.1	63215	501	63.700	58.400	9.1	67017	503	41.300	38.800	6.4
61224	503	27.800	26.100	6.5	63215	502	62.700	59.200	5.9	67508	501	31.800	28.500	11.6
61225	501	53.900	49.400	9.1	63215	503	45.700	42.900	6.5	67508	502	25.600	23.600	8.5
61225	502	53.000	50.000	6.0	63216	501	44.200	40.500	9.1	67508	503	27.800	25.400	9.4
61225	503	38.600	36.200	6.6	63216	502	43.500	41.100	5.8	67509	501	23.300	20.900	11.5
61226	501	85.900	78.700	9.1	63216	503	31.700	29.800	6.4	67509	502	18.800	17.300	8.7
61226	502	84.500	79.700	6.0	63217	501	24.900	22.200	12.2	67509	503	20.400	18.700	9.1
61226	503	61.600	57.800	6.6	63217	502	52.200	48.100	8.5	67510	501	13.000	11.600	12.1
61227	501	78.600	72.000	9.2	63217	503	53.200	48.800	9.0	67510	502	10.500	9.650	8.8
61227	502	77.300	72.900	6.0	63218	501	8.380	7.480	12.0	67510	503	11.300	10.400	8.7
61227	503	56.300	52.900	6.4	63218	502	17.600	16.200	8.6	67511	501	14.000	12.600	11.1
62000	501	17.900	16.400	9.1	63218	503	17.900	16.400	9.1	67511	502	11.300	10.400	8.7
62000	502	17.600	16.600	6.0	64074	501	26.200	25.000	4.8	67511	503	12.300	11.200	9.8
62000	503	12.800	12.000	6.7	64074	502	32.600	32.100	1.6	67512	501	60.100	53.900	11.5
62001	501	13.400	12.300	8.9	64074	503	20.000	19.600	2.0	67512	502	48.500	44.700	8.5
62001	502	13.200	12.400	6.5	64075	501	18.400	17.600	4.5	67512	503	52.500	48.100	9.1
62001	503	9.610	9.020	6.5	64075	502	23.000	22.600	1.8	67513	501	38.100	34.200	11.4
62002	501	6.120	5.610	9.1	64075	503	14.100	13.800	2.2	67513	502	30.800	28.300	8.8
62002	502	6.020	5.680	6.0	65007	501	38.800	35.600	9.0	67513	503	33.300	30.500	9.2
62002	503	4.380	4.120	6.3	65007	502	38.200	36.000	6.1	67634	501	49.900	45.700	9.2
62003	501	19.300	17.700	9.0	65007	503	27.800	26.100	6.5	67634	502	49.100	46.300	6.0
62003	502	19.000	17.900	6.1	66122	501	16.700	15.300	9.2	67634	503	35.800	33.600	6.5

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STATE: 24 - MISSOURI
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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
67635	501	35.300	32.300	9.3	90089	503	5.050	5.210	-3.1	91190	502	2.480	2.560	-3.1
67635	502	34.700	32.800	5.8	91111	501	3.420	3.560	-3.9	91190	503	2.480	2.560	-3.1
67635	503	25.300	23.700	6.8	91111	502	3.420	3.560	-3.9	91200	501	.960	1.010	-5.0
68001	501	108.000	98.800	9.3	91111	503	3.420	3.560	-3.9	91200	502	.960	1.010	-5.0
68001	502	106.000	100.000	6.0	91125	501	3.040	3.140	-3.2	91200	503	.960	1.010	-5.0
68001	503	77.200	72.500	6.5	91125	502	3.040	3.140	-3.2	91235	501	2.650	2.760	-4.0
68439	501	139.000	127.000	9.4	91125	503	3.040	3.140	-3.2	91235	502	2.650	2.760	-4.0
68439	502	136.000	129.000	5.4	91127	501	2.300	2.400	-4.2	91235	503	2.650	2.760	-4.0
68439	503	99.300	93.200	6.5	91127	502	2.300	2.400	-4.2	91250	501	3.990	4.160	-4.1
68500	501	4.240	3.840	10.4	91127	503	2.300	2.400	-4.2	91250	502	3.990	4.160	-4.1
68500	502	5.040	4.700	7.2	91130	501	1.680	1.770	-5.1	91250	503	3.990	4.160	-4.1
68500	503	3.110	2.880	8.0	91130	502	1.680	1.770	-5.1	91265	501	20.500	21.600	-5.1
68604	501	2.590	2.370	9.3	91130	503	1.680	1.770	-5.1	91265	502	20.500	21.600	-5.1
68604	502	2.550	2.400	6.2	91135	501	.470	.490	-4.1	91265	503	20.500	21.600	-5.1
68604	503	1.850	1.740	6.3	91135	502	.470	.490	-4.1	91266	501	10.800	11.400	-5.3
68606	501	10.100	9.270	9.0	91135	503	.470	.490	-4.1	91266	502	10.800	11.400	-5.3
68606	502	9.950	9.390	6.0	91150	501	2.170	2.260	-4.0	91266	503	10.800	11.400	-5.3
68606	503	7.250	6.810	6.5	91150	502	2.170	2.260	-4.0	91302	501	10.700	11.200	-4.5
68607	501	8.000	7.330	9.1	91150	503	2.170	2.260	-4.0	91302	502	10.700	11.200	-4.5
68607	502	7.870	7.420	6.1	91155	501	4.820	5.030	-4.2	91302	503	10.700	11.200	-4.5
68607	503	5.730	5.380	6.5	91155	502	4.820	5.030	-4.2	91315	501	3.250	3.410	-4.7
68702	501	6.590	6.040	9.1	91155	503	4.820	5.030	-4.2	91315	502	3.250	3.410	-4.7
68702	502	6.480	6.110	6.1	91160	501	1.220	1.260	-3.2	91315	503	3.250	3.410	-4.7
68702	503	4.720	4.430	6.5	91160	502	1.220	1.260	-3.2	91324	501	7.250	7.600	-4.6
68703	501	4.940	4.530	9.1	91160	503	1.220	1.260	-3.2	91324	502	7.250	7.600	-4.6
68703	502	4.860	4.590	5.9	91175	501	1.050	1.080	-2.8	91324	503	7.250	7.600	-4.6
68703	503	3.540	3.320	6.6	91175	502	1.050	1.080	-2.8	91340	501	4.730	4.960	-4.6
68706	501	21.200	19.400	9.3	91175	503	1.050	1.080	-2.8	91340	502	4.730	4.960	-4.6
68706	502	20.800	19.700	5.6	91177	501	4.600	4.750	-3.2	91340	503	4.730	4.960	-4.6
68706	503	15.200	14.200	7.0	91177	502	4.600	4.750	-3.2	91341	501	5.280	5.440	-2.9
68707	501	20.900	19.200	8.9	91177	503	4.600	4.750	-3.2	91341	502	5.280	5.440	-2.9
68707	502	20.600	19.400	6.2	91179	501	4.620	4.770	-3.1	91341	503	5.280	5.440	-2.9
68707	503	15.000	14.100	6.4	91179	502	4.620	4.770	-3.1	91342	501	4.340	4.550	-4.6
90089	501	5.050	5.210	-3.1	91179	503	4.620	4.770	-3.1	91342	502	4.340	4.550	-4.6
90089	502	5.050	5.210	-3.1	91190	501	2.480	2.560	-3.1	91342	503	4.340	4.550	-4.6

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
91343	501	1.160	1.200	-3.3	91577	503	13.900	14.400	-3.5	92054	502	.207	.213	-2.8
91343	502	1.160	1.200	-3.3	91580	501	7.900	8.330	-5.2	92054	503	.207	.213	-2.8
91343	503	1.160	1.200	-3.3	91580	502	7.900	8.330	-5.2	92055	501	5.770	5.950	-3.0
91405	501	5.510	5.780	-4.7	91580	503	7.900	8.330	-5.2	92055	502	5.770	5.950	-3.0
91405	502	5.510	5.780	-4.7	91590	501	4.040	4.170	-3.1	92055	503	5.770	5.950	-3.0
91405	503	5.510	5.780	-4.7	91590	502	4.040	4.170	-3.1	92101	501	9.020	9.300	-3.0
91436	501	5.970	6.160	-3.1	91590	503	4.040	4.170	-3.1	92101	502	9.020	9.300	-3.0
91436	502	5.970	6.160	-3.1	91606	501	16.400	17.300	-5.2	92101	503	9.020	9.300	-3.0
91436	503	5.970	6.160	-3.1	91606	502	16.400	17.300	-5.2	92102	501	5.430	5.600	-3.0
91481	501	21.800	22.500	-3.1	91606	503	16.400	17.300	-5.2	92102	502	5.430	5.600	-3.0
91481	502	21.800	22.500	-3.1	91629	501	3.350	3.530	-5.1	92102	503	5.430	5.600	-3.0
91481	503	21.800	22.500	-3.1	91629	502	3.350	3.530	-5.1	92215	501	3.800	3.960	-4.0
91507	501	3.210	3.310	-3.0	91629	503	3.350	3.530	-5.1	92215	502	3.800	3.960	-4.0
91507	502	3.210	3.310	-3.0	91636	501	5.740	6.060	-5.3	92215	503	3.800	3.960	-4.0
91507	503	3.210	3.310	-3.0	91636	502	5.740	6.060	-5.3	92338	501	2.090	2.150	-2.8
91523	501	49.500	51.100	-3.1	91636	503	5.740	6.060	-5.3	92338	502	2.090	2.150	-2.8
91523	502	49.500	51.100	-3.1	91641	501	1.560	1.640	-4.9	92338	503	2.090	2.150	-2.8
91523	503	49.500	51.100	-3.1	91641	502	1.560	1.640	-4.9	92445	501	3.290	3.470	-5.2
91547	501	.280	.290	-3.4	91641	503	1.560	1.640	-4.9	92445	502	3.290	3.470	-5.2
91547	502	.280	.290	-3.4	91666	501	1.090	1.120	-2.7	92445	503	3.290	3.470	-5.2
91547	503	.280	.290	-3.4	91666	502	1.090	1.120	-2.7	92446	501	6.860	7.070	-3.0
91551	501	1.750	1.800	-2.8	91666	503	1.090	1.120	-2.7	92446	502	6.860	7.070	-3.0
91551	502	1.750	1.800	-2.8	91722	501	5.030	5.300	-5.1	92446	503	6.860	7.070	-3.0
91551	503	1.750	1.800	-2.8	91722	502	5.030	5.300	-5.1	92447	501	5.990	6.180	-3.1
91555	501	1.600	1.660	-3.6	91722	503	5.030	5.300	-5.1	92447	502	5.990	6.180	-3.1
91555	502	1.600	1.660	-3.6	91746	501	3.890	4.010	-3.0	92447	503	5.990	6.180	-3.1
91555	503	1.600	1.660	-3.6	91746	502	3.890	4.010	-3.0	92451	501	2.650	2.760	-4.0
91560	501	5.980	6.310	-5.2	91746	503	3.890	4.010	-3.0	92451	502	2.650	2.760	-4.0
91560	502	5.980	6.310	-5.2	91805	501	.244	.250	-2.4	92451	503	2.650	2.760	-4.0
91560	503	5.980	6.310	-5.2	91805	502	.244	.250	-2.4	92453	501	3.790	3.910	-3.1
91562	501	3.890	4.010	-3.0	91805	503	.244	.250	-2.4	92453	502	3.790	3.910	-3.1
91562	502	3.890	4.010	-3.0	92053	501	.600	.620	-3.2	92453	503	3.790	3.910	-3.1
91562	503	3.890	4.010	-3.0	92053	502	.600	.620	-3.2	92478	501	1.880	1.940	-3.1
91577	501	13.900	14.400	-3.5	92053	503	.600	.620	-3.2	92478	502	1.880	1.940	-3.1
91577	502	13.900	14.400	-3.5	92054	501	.207	.213	-2.8	92478	503	1.880	1.940	-3.1

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LOSS COST % CHANGE BY CLASS

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92593	501	34.800	36.300	-4.1	94617	503	4.680	4.820	-2.9	95625	502	5.120	5.370	-4.7
92593	502	34.800	36.300	-4.1	95124	501	1.730	1.780	-2.8	95625	503	5.120	5.370	-4.7
92593	503	34.800	36.300	-4.1	95124	502	1.730	1.780	-2.8	95647	501	3.200	3.330	-3.9
92663	501	.780	.820	-4.9	95124	503	1.730	1.780	-2.8	95647	502	3.200	3.330	-3.9
92663	502	.780	.820	-4.9	95233	501	3.700	3.820	-3.1	95647	503	3.200	3.330	-3.9
92663	503	.780	.820	-4.9	95233	502	3.700	3.820	-3.1	96053	501	2.430	2.530	-4.0
94007	501	12.900	13.300	-3.0	95233	503	3.700	3.820	-3.1	96053	502	2.430	2.530	-4.0
94007	502	12.900	13.300	-3.0	95305	501	4.020	4.150	-3.1	96053	503	2.430	2.530	-4.0
94007	503	12.900	13.300	-3.0	95305	502	4.020	4.150	-3.1	96317	501	1.740	1.830	-4.9
94099	501	2.930	3.020	-3.0	95305	503	4.020	4.150	-3.1	96317	502	1.740	1.830	-4.9
94099	502	2.930	3.020	-3.0	95306	501	6.580	6.940	-5.2	96317	503	1.740	1.830	-4.9
94099	503	2.930	3.020	-3.0	95306	502	6.580	6.940	-5.2	96408	501	4.490	4.630	-3.0
94225	501	10.300	10.600	-2.8	95306	503	6.580	6.940	-5.2	96408	502	4.490	4.630	-3.0
94225	502	10.300	10.600	-2.8	95310	501	9.600	9.900	-3.0	96408	503	4.490	4.630	-3.0
94225	503	10.300	10.600	-2.8	95310	502	9.600	9.900	-3.0	96409	501	4.150	4.280	-3.0
94276	501	5.370	5.540	-3.1	95310	503	9.600	9.900	-3.0	96409	502	4.150	4.280	-3.0
94276	502	5.370	5.540	-3.1	95357	501	1.680	1.770	-5.1	96409	503	4.150	4.280	-3.0
94276	503	5.370	5.540	-3.1	95357	502	1.680	1.770	-5.1	96410	501	3.640	3.760	-3.2
94304	501	3.390	3.530	-4.0	95357	503	1.680	1.770	-5.1	96410	502	3.640	3.760	-3.2
94304	502	3.390	3.530	-4.0	95410	501	5.190	5.350	-3.0	96410	503	3.640	3.760	-3.2
94304	503	3.390	3.530	-4.0	95410	502	5.190	5.350	-3.0	96611	501	1.080	1.140	-5.3
94381	501	6.360	6.630	-4.1	95410	503	5.190	5.350	-3.0	96611	502	1.080	1.140	-5.3
94381	502	6.360	6.630	-4.1	95455	501	6.940	7.320	-5.2	96611	503	1.080	1.140	-5.3
94381	503	6.360	6.630	-4.1	95455	502	6.940	7.320	-5.2	96702	501	5.170	5.330	-3.0
94404	501	5.090	5.250	-3.0	95455	503	6.940	7.320	-5.2	96702	502	5.170	5.330	-3.0
94404	502	5.090	5.250	-3.0	95487	501	2.780	2.870	-3.1	96702	503	5.170	5.330	-3.0
94404	503	5.090	5.250	-3.0	95487	502	2.780	2.870	-3.1	96816	501	4.850	5.000	-3.0
94569	501	3.440	3.550	-3.1	95487	503	2.780	2.870	-3.1	96816	502	4.850	5.000	-3.0
94569	502	3.440	3.550	-3.1	95505	501	3.230	3.410	-5.3	96816	503	4.850	5.000	-3.0
94569	503	3.440	3.550	-3.1	95505	502	3.230	3.410	-5.3	96872	501	6.160	6.500	-5.2
94590	501	14.800	15.300	-3.3	95505	503	3.230	3.410	-5.3	96872	502	6.160	6.500	-5.2
94590	502	14.800	15.300	-3.3	95620	501	2.250	2.320	-3.0	96872	503	6.160	6.500	-5.2
94590	503	14.800	15.300	-3.3	95620	502	2.250	2.320	-3.0	97047	501	3.300	3.460	-4.6
94617	501	4.680	4.820	-2.9	95620	503	2.250	2.320	-3.0	97047	502	3.300	3.460	-4.6
94617	502	4.680	4.820	-2.9	95625	501	5.120	5.370	-4.7	97047	503	3.300	3.460	-4.6

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 E - SUBJECT TO CAPPING EXCEPTION

STATE: 24 - MISSOURI
 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
97050	501	2.560	2.690	-4.8	97654	503	6.390	6.590	-3.0	98157	502	4.550	4.790	-5.0
97050	502	2.560	2.690	-4.8	97655	501	6.280	6.620	-5.1	98157	503	4.550	4.790	-5.0
97050	503	2.560	2.690	-4.8	97655	502	6.280	6.620	-5.1	98159	501	3.050	3.220	-5.3
97111	501	6.200	6.390	-3.0	97655	503	6.280	6.620	-5.1	98159	502	3.050	3.220	-5.3
97111	502	6.200	6.390	-3.0	98002	501	1.140	1.200	-5.0	98159	503	3.050	3.220	-5.3
97111	503	6.200	6.390	-3.0	98002	502	1.140	1.200	-5.0	98160	501	6.460	6.810	-5.1
97220	501	.450	.470	-4.3	98002	503	1.140	1.200	-5.0	98160	502	6.460	6.810	-5.1
97220	502	.450	.470	-4.3	98003	501	1.150	1.180	-2.5	98160	503	6.460	6.810	-5.1
97220	503	.450	.470	-4.3	98003	502	1.150	1.180	-2.5	98161	501	7.240	7.630	-5.1
97222	501	1.760	1.830	-3.8	98003	503	1.150	1.180	-2.5	98161	502	7.240	7.630	-5.1
97222	502	1.760	1.830	-3.8	98090	501	.154	.159	-3.1	98161	503	7.240	7.630	-5.1
97222	503	1.760	1.830	-3.8	98090	502	.154	.159	-3.1	98163	501	7.600	8.010	-5.1
97223	501	2.650	2.760	-4.0	98090	503	.154	.159	-3.1	98163	502	7.600	8.010	-5.1
97223	502	2.650	2.760	-4.0	98091	501	.167	.172	-2.9	98163	503	7.600	8.010	-5.1
97223	503	2.650	2.760	-4.0	98091	502	.167	.172	-2.9	98164	501	2.240	2.330	-3.9
97308	501	.840	.880	-4.5	98091	503	.167	.172	-2.9	98164	502	2.240	2.330	-3.9
97308	502	.840	.880	-4.5	98092	501	.510	.520	-1.9	98164	503	2.240	2.330	-3.9
97308	503	.840	.880	-4.5	98092	502	.510	.520	-1.9	98257	501	1.730	1.780	-2.8
97447	501	2.750	2.900	-5.2	98092	503	.510	.520	-1.9	98257	502	1.730	1.780	-2.8
97447	502	2.750	2.900	-5.2	98111	501	.670	.700	-4.3	98257	503	1.730	1.780	-2.8
97447	503	2.750	2.900	-5.2	98111	502	.670	.700	-4.3	98303	501	14.300	15.100	-5.3
97650	501	4.280	4.420	-3.2	98111	503	.670	.700	-4.3	98303	502	14.300	15.100	-5.3
97650	502	4.280	4.420	-3.2	98152	501	3.830	4.040	-5.2	98303	503	14.300	15.100	-5.3
97650	503	4.280	4.420	-3.2	98152	502	3.830	4.040	-5.2	98304	501	6.410	6.610	-3.0
97651	501	8.140	8.580	-5.1	98152	503	3.830	4.040	-5.2	98304	502	6.410	6.610	-3.0
97651	502	8.140	8.580	-5.1	98153	501	4.310	4.540	-5.1	98304	503	6.410	6.610	-3.0
97651	503	8.140	8.580	-5.1	98153	502	4.310	4.540	-5.1	98305	501	2.650	2.780	-4.7
97652	501	7.060	7.440	-5.1	98153	503	4.310	4.540	-5.1	98305	502	2.650	2.780	-4.7
97652	502	7.060	7.440	-5.1	98154	501	5.090	5.360	-5.0	98305	503	2.650	2.780	-4.7
97652	503	7.060	7.440	-5.1	98154	502	5.090	5.360	-5.0	98306	501	6.810	7.150	-4.8
97653	501	3.660	3.780	-3.2	98154	503	5.090	5.360	-5.0	98306	502	6.810	7.150	-4.8
97653	502	3.660	3.780	-3.2	98155	501	7.120	7.510	-5.2	98306	503	6.810	7.150	-4.8
97653	503	3.660	3.780	-3.2	98155	502	7.120	7.510	-5.2	98307	501	2.030	2.090	-2.9
97654	501	6.390	6.590	-3.0	98155	503	7.120	7.510	-5.2	98307	502	2.030	2.090	-2.9
97654	502	6.390	6.590	-3.0	98157	501	4.550	4.790	-5.0	98307	503	2.030	2.090	-2.9

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STATE: 24 - MISSOURI
 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
98308	501	1.330	1.380	-3.6	98427	503	2.890	2.980	-3.0	98640	502	130.000	134.000	-3.0
98308	502	1.330	1.380	-3.6	98429	501	1.500	1.580	-5.1	98640	503	130.000	134.000	-3.0
98308	503	1.330	1.380	-3.6	98429	502	1.500	1.580	-5.1	98658	501	7.360	7.760	-5.2
98309	501	7.180	7.570	-5.2	98429	503	1.500	1.580	-5.1	98658	502	7.360	7.760	-5.2
98309	502	7.180	7.570	-5.2	98449	501	4.150	4.280	-3.0	98658	503	7.360	7.760	-5.2
98309	503	7.180	7.570	-5.2	98449	502	4.150	4.280	-3.0	98659	501	1.320	1.390	-5.0
98344	501	.740	.770	-3.9	98449	503	4.150	4.280	-3.0	98659	502	1.320	1.390	-5.0
98344	502	.740	.770	-3.9	98482	501	4.450	4.590	-3.1	98659	503	1.320	1.390	-5.0
98344	503	.740	.770	-3.9	98482	502	4.450	4.590	-3.1	98677	501	20.500	21.100	-2.8
98405	501	1.220	1.270	-3.9	98482	503	4.450	4.590	-3.1	98677	502	20.500	21.100	-2.8
98405	502	1.220	1.270	-3.9	98483	501	6.580	6.780	-2.9	98677	503	20.500	21.100	-2.8
98405	503	1.220	1.270	-3.9	98483	502	6.580	6.780	-2.9	98678	501	18.200	18.800	-3.2
98413	501	16.900	17.400	-2.9	98483	503	6.580	6.780	-2.9	98678	502	18.200	18.800	-3.2
98413	502	16.900	17.400	-2.9	98502	501	6.290	6.490	-3.1	98678	503	18.200	18.800	-3.2
98413	503	16.900	17.400	-2.9	98502	502	6.290	6.490	-3.1	98699	501	5.920	6.100	-3.0
98414	501	15.400	15.900	-3.1	98502	503	6.290	6.490	-3.1	98699	502	5.920	6.100	-3.0
98414	502	15.400	15.900	-3.1	98555	501	2.930	3.020	-3.0	98699	503	5.920	6.100	-3.0
98414	503	15.400	15.900	-3.1	98555	502	2.930	3.020	-3.0	98705	501	10.400	11.000	-5.5
98415	501	2.030	2.090	-2.9	98555	503	2.930	3.020	-3.0	98705	502	10.400	11.000	-5.5
98415	502	2.030	2.090	-2.9	98597	501	.660	.680	-2.9	98705	503	10.400	11.000	-5.5
98415	503	2.030	2.090	-2.9	98597	502	.660	.680	-2.9	98710	501	4.110	4.240	-3.1
98423	501	4.830	4.980	-3.0	98597	503	.660	.680	-2.9	98710	502	4.110	4.240	-3.1
98423	502	4.830	4.980	-3.0	98598	501	.225	.232	-3.0	98710	503	4.110	4.240	-3.1
98423	503	4.830	4.980	-3.0	98598	502	.225	.232	-3.0	98751	501	5.560	5.870	-5.3
98424	501	8.190	8.450	-3.1	98598	503	.225	.232	-3.0	98751	502	5.560	5.870	-5.3
98424	502	8.190	8.450	-3.1	98601	501	7.530	7.770	-3.1	98751	503	5.560	5.870	-5.3
98424	503	8.190	8.450	-3.1	98601	502	7.530	7.770	-3.1	98805	501	5.370	5.540	-3.1
98425	501	3.360	3.470	-3.2	98601	503	7.530	7.770	-3.1	98805	502	5.370	5.540	-3.1
98425	502	3.360	3.470	-3.2	98624	501	1.180	1.220	-3.3	98805	503	5.370	5.540	-3.1
98425	503	3.360	3.470	-3.2	98624	502	1.180	1.220	-3.3	98806	501	3.040	3.160	-3.8
98426	501	2.970	3.060	-2.9	98624	503	1.180	1.220	-3.3	98806	502	3.040	3.160	-3.8
98426	502	2.970	3.060	-2.9	98636	501	3.260	3.400	-4.1	98806	503	3.040	3.160	-3.8
98426	503	2.970	3.060	-2.9	98636	502	3.260	3.400	-4.1	98810	501	3.730	3.920	-4.8
98427	501	2.890	2.980	-3.0	98636	503	3.260	3.400	-4.1	98810	502	3.730	3.920	-4.8
98427	502	2.890	2.980	-3.0	98640	501	130.000	134.000	-3.0	98810	503	3.730	3.920	-4.8

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STATE: 24 - MISSOURI
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98813	501	3.600	3.780	-4.8	99163	503	4.880	5.040	-3.2	99507	502	5.660	5.890	-3.9
98813	502	3.600	3.780	-4.8	99165	501	1.070	1.100	-2.7	99507	503	5.660	5.890	-3.9
98813	503	3.600	3.780	-4.8	99165	502	1.070	1.100	-2.7	99570	501	3.040	3.160	-3.8
98820	501	10.300	10.600	-2.8	99165	503	1.070	1.100	-2.7	99570	502	3.040	3.160	-3.8
98820	502	10.300	10.600	-2.8	99220	501	1.970	2.080	-5.3	99570	503	3.040	3.160	-3.8
98820	503	10.300	10.600	-2.8	99220	502	1.970	2.080	-5.3	99571	501	.730	.770	-5.2
98884	501	2.670	2.750	-2.9	99220	503	1.970	2.080	-5.3	99571	502	.730	.770	-5.2
98884	502	2.670	2.750	-2.9	99222	501	3.710	3.910	-5.1	99571	503	.730	.770	-5.2
98884	503	2.670	2.750	-2.9	99222	502	3.710	3.910	-5.1	99572	501	1.440	1.500	-4.0
98914	501	.900	.950	-5.3	99222	503	3.710	3.910	-5.1	99572	502	1.440	1.500	-4.0
98914	502	.900	.950	-5.3	99223	501	.300	.310	-3.2	99572	503	1.440	1.500	-4.0
98914	503	.900	.950	-5.3	99223	502	.300	.310	-3.2	99573	501	1.370	1.430	-4.2
98949	501	1.260	1.320	-4.5	99223	503	.300	.310	-3.2	99573	502	1.370	1.430	-4.2
98949	502	1.260	1.320	-4.5	99303	501	16.400	16.900	-3.0	99573	503	1.370	1.430	-4.2
98949	503	1.260	1.320	-4.5	99303	502	16.400	16.900	-3.0	99600	501	1.300	1.370	-5.1
98967	501	4.190	4.320	-3.0	99303	503	16.400	16.900	-3.0	99600	502	1.300	1.370	-5.1
98967	502	4.190	4.320	-3.0	99310	501	4.100	4.220	-2.8	99600	503	1.300	1.370	-5.1
98967	503	4.190	4.320	-3.0	99310	502	4.100	4.220	-2.8	99613	501	10.400	10.700	-2.8
98993	501	6.230	6.490	-4.0	99310	503	4.100	4.220	-2.8	99613	502	10.400	10.700	-2.8
98993	502	6.230	6.490	-4.0	99315	501	12.000	12.400	-3.2	99613	503	10.400	10.700	-2.8
98993	503	6.230	6.490	-4.0	99315	502	12.000	12.400	-3.2	99614	501	2.910	3.050	-4.6
99003	501	1.990	2.050	-2.9	99315	503	12.000	12.400	-3.2	99614	502	2.910	3.050	-4.6
99003	502	1.990	2.050	-2.9	99321	501	11.700	12.000	-2.5	99614	503	2.910	3.050	-4.6
99003	503	1.990	2.050	-2.9	99321	502	11.700	12.000	-2.5	99620	501	.560	.580	-3.4
99004	501	2.990	3.140	-4.8	99321	503	11.700	12.000	-2.5	99620	502	.560	.580	-3.4
99004	502	2.990	3.140	-4.8	99471	501	.900	.950	-5.3	99620	503	.560	.580	-3.4
99004	503	2.990	3.140	-4.8	99471	502	.900	.950	-5.3	99650	501	1.440	1.500	-4.0
99080	501	1.410	1.450	-2.8	99471	503	.900	.950	-5.3	99650	502	1.440	1.500	-4.0
99080	502	1.410	1.450	-2.8	99505	501	5.270	5.490	-4.0	99650	503	1.440	1.500	-4.0
99080	503	1.410	1.450	-2.8	99505	502	5.270	5.490	-4.0	99709	501	3.550	3.700	-4.1
99111	501	2.050	2.110	-2.8	99505	503	5.270	5.490	-4.0	99709	502	3.550	3.700	-4.1
99111	502	2.050	2.110	-2.8	99506	501	6.490	6.760	-4.0	99709	503	3.550	3.700	-4.1
99111	503	2.050	2.110	-2.8	99506	502	6.490	6.760	-4.0	99718	501	1.650	1.700	-2.9
99163	501	4.880	5.040	-3.2	99506	503	6.490	6.760	-4.0	99718	502	1.650	1.700	-2.9
99163	502	4.880	5.040	-3.2	99507	501	5.660	5.890	-3.9	99718	503	1.650	1.700	-2.9

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STATE: 24 - MISSOURI
 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
99746	501	2.800	2.890	-3.1	99948	503	7.510	7.820	-4.0					
99746	502	2.800	2.890	-3.1	99952	501	5.470	5.740	-4.7					
99746	503	2.800	2.890	-3.1	99952	502	5.470	5.740	-4.7					
99760	501	.320	.330	-3.0	99952	503	5.470	5.740	-4.7					
99760	502	.320	.330	-3.0	99953	501	5.900	6.190	-4.7					
99760	503	.320	.330	-3.0	99953	502	5.900	6.190	-4.7					
99777	501	6.470	6.780	-4.6	99953	503	5.900	6.190	-4.7					
99777	502	6.470	6.780	-4.6	99954	501	4.300	4.510	-4.7					
99777	503	6.470	6.780	-4.6	99954	502	4.300	4.510	-4.7					
99793	501	3.550	3.660	-3.0	99954	503	4.300	4.510	-4.7					
99793	502	3.550	3.660	-3.0	99955	501	5.380	5.650	-4.8					
99793	503	3.550	3.660	-3.0	99955	502	5.380	5.650	-4.8					
99826	501	.740	.770	-3.9	99955	503	5.380	5.650	-4.8					
99826	502	.740	.770	-3.9	99963	501	.810	.830	-2.4					
99826	503	.740	.770	-3.9	99963	502	.810	.830	-2.4					
99827	501	.510	.520	-1.9	99963	503	.810	.830	-2.4					
99827	502	.510	.520	-1.9	99969	501	3.590	3.780	-5.0					
99827	503	.510	.520	-1.9	99969	502	3.590	3.780	-5.0					
99851	501	2.070	2.130	-2.8	99969	503	3.590	3.780	-5.0					
99851	502	2.070	2.130	-2.8	99975	501	4.770	5.010	-4.8					
99851	503	2.070	2.130	-2.8	99975	502	4.770	5.010	-4.8					
99917	501	3.340	3.450	-3.2	99975	503	4.770	5.010	-4.8					
99917	502	3.340	3.450	-3.2	99988	501	3.170	3.340	-5.1					
99917	503	3.340	3.450	-3.2	99988	502	3.170	3.340	-5.1					
99938	501	3.760	3.870	-2.8	99988	503	3.170	3.340	-5.1					
99938	502	3.760	3.870	-2.8										
99938	503	3.760	3.870	-2.8										
99943	501	10.900	11.200	-2.7										
99943	502	10.900	11.200	-2.7										
99943	503	10.900	11.200	-2.7										
99946	501	8.120	8.370	-3.0										
99946	502	8.120	8.370	-3.0										
99946	503	8.120	8.370	-3.0										
99948	501	7.510	7.820	-4.0										
99948	502	7.510	7.820	-4.0										

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STATE: 24 - MISSOURI
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	.195	.184	6.0	11259	.142	.154	-7.8	13759	.128	.136	-5.9
10026	.022	.023	-4.3	11288	.106	.104	1.9	13930	.201	.211	-4.7
10040	.300	.280	7.1	12014	.036	.038	-5.3	14068	.014	.015	-6.7
10042	.290	.260	11.5	12356	.030	.029	3.4	14101	.051	.047	8.5
10060	.048	.050	-4.0	12361	.077	.082	-6.1	14279	.050	.049	2.0
10065	.034	.032	6.3	12373	.024	.025	-4.0	14401	.084	.082	2.4
10066	.060	.062	-3.2	12374	.087	.086	1.2	14527	.189	.181	4.4
10070	.154	.141	9.2	12375	.040	.040	0.0	14855	.154	.162	-4.9
10071	.096	.090	6.7	12391	.082	.091	-9.9	14913	.157	.143	9.8
10073	.470	.420	11.9	12509	.036	.038	-5.3	15223	.041	.033	24.2 U
10075	.152	.150	1.3	12510	.025	.026	-3.8	15224	.084	.086	-2.3
10100	.060	.057	5.3	12651	.530	.490	8.2	15406	.048	.044	9.1
10101	.181	.166	9.0	12707	.640	.650	-1.5	15538	.019	.020	-5.0
10107	.320	.270	18.5	12797	.196	.169	16.0	15600	.091	.092	-1.1
10111	.078	.083	-6.0	12805	.071	.068	4.4	15608	.010	.010	0.0
10115	.078	.079	-1.3	13049	.057	.054	5.6	15733	.037	.038	-2.6
10140	.021	.021	0.0	13111	.093	.097	-4.1	15839	.024	.024	0.0
10141	.023	.024	-4.2	13112	.063	.069	-8.7	15991	.059	.060	-1.7
10145	.011	.012	-8.3	13201	.160	.167	-4.2	15993	.034	.034	0.0
10146	.021	.022	-4.5	13204	1.450	1.400	3.6	16005	.034	.034	0.0
10255	.147	.131	12.2	13205	.460	.430	7.0	16009	.094	.079	19.0
10256	.152	.147	3.4	13314	.016	.017	-5.9	16403	.169	.134	26.1
10257	.169	.167	1.2	13351	.046	.038	21.1	16527	.350	.360	-2.8
10309	.019	.020	-5.0	13352	.037	.038	-2.6	16604	.146	.147	-0.7
10352	.046	.048	-4.2	13410	2.990	2.440	22.5	16676	.014	.014	0.0
11020	.136	.134	1.5	13412	1.140	1.010	12.9	16705	.148	.152	-2.6
11039	.095	.093	2.2	13506	.048	.049	-2.0	16750	.032	.031	3.2
11126	.022	.020	10.0	13507	.096	.105	-8.6	16900	.083	.076	9.2
11127	.008	.008	0.0	13590	.740	.740	0.0	16901	.124	.120	3.3
11128	.066	.063	4.8	13621	.320	.360	-11.1	16902	.088	.092	-4.3
11203	.520	.540	-3.7	13670	.015	.013	15.4	16905	.083	.076	9.2
11204	1.190	1.240	-4.0	13673	.014	.012	16.7	16906	.124	.120	3.3
11234	.046	.048	-4.2	13715	.165	.154	7.1	16910	.066	.065	1.5
11248	.018	.019	-5.3	13716	.084	.087	-3.4	16911	.069	.067	3.0
11258	.219	.233	-6.0	13720	.073	.075	-2.7	16915	.057	.057	0.0

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STATE: 24 - MISSOURI
 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
16916	.067	.066	1.5	51116	.690	.570	21.1	51666	.101	.103	-1.9
16920	.136	.128	6.3	51205	.071	.083	-14.5	51734	.310	.310	0.0
16921	.053	.057	-7.0	51206	.390	.450	-13.3	51741	.260	.250	4.0
16930	.169	.142	19.0	51220	2.280	2.580	-11.6	51752	.165	.159	3.8
16931	.068	.057	19.3	51221	1.780	1.940	-8.2	51767	.008	.009	-11.1
16940	.053	.057	-7.0	51222	3.670	3.120	17.6	51777	.078	.076	2.6
16941	.085	.088	-3.4	51224	1.450	1.330	9.0	51808	.730	.730	0.0
18078	.134	.158	-15.2	51230	.790	.790	0.0	51809	.153	.158	-3.2
18109	.030	.031	-3.2	51240	.185	.182	1.6	51833	.060	.072	-16.7
18110	.028	.026	7.7	51241	.260	.300	-13.3	51869	.136	.140	-2.9
18205	.350	.310	12.9	51252	.100	.101	-1.0	51877	.212	.220	-3.6
18206	.115	.101	13.9	51254	.039	.045	-13.3	51889	.012	.014	-14.3
18335	.015	.015	0.0	51300	.160	.173	-7.5	51896	.018	.020	-10.0
18435	.077	.069	11.6	51305	.960	1.030	-6.8	51900	.095	.093	2.2
18436	.138	.152	-9.2	51315	.106	.106	0.0	51909	.056	.057	-1.8
18501	.010	.011	-9.1	51330	.530	.430	23.3 U	51926	.038	.040	-5.0
18506	.006	.006	0.0	51333	.340	.310	9.7	51927	.131	.115	13.9
18507	.007	.007	0.0	51350	.135	.142	-4.9	51934	.125	.142	-12.0
18616	.590	.540	9.3	51351	.042	.045	-6.7	51941	.041	.039	5.1
18707	.004	.003	33.3 N	51352	.108	.114	-5.3	51956	.221	.246	-10.2
18708	.017	.013	30.8 U	51355	.094	.096	-2.1	51957	.420	.400	5.0
18834	.107	.111	-3.6	51356	.620	.690	-10.1	51958	.410	.390	5.1
18911	.019	.019	0.0	51357	.660	.530	24.5 U	51960	.350	.360	-2.8
18912	.033	.032	3.1	51358	.141	.149	-5.4	51970	.238	.250	-4.8
18920	.019	.019	0.0	51359	.780	.840	-7.1	51982	.083	.085	-2.4
45771	.164	.176	-6.8	51370	4.570	5.000	-8.6	51986	.103	.107	-3.7
45819	.073	.072	1.4	51380	.044	.050	-12.0	51999	.440	.460	-4.3
45900	.055	.066	-16.7	51500	.119	.109	9.2	52002	.129	.118	9.3
45901	.049	.047	4.3	51550	.390	.360	8.3	52075	.243	.250	-2.8
49239	.600	.650	-7.7	51551	.910	.920	-1.1	52134	.630	.700	-10.0
49617	.131	.115	13.9	51552	.159	.159	0.0	52315	.260	.240	8.3
49618	.048	.041	17.1	51575	.020	.020	0.0	52433	1.020	1.200	-15.0
49619	.074	.070	5.7	51576	.093	.075	24.0 U	52469	.104	.109	-4.6
50010	.490	.580	-15.5	51600	.191	.198	-3.5	52505	.216	.203	6.4
51001	.450	.460	-2.2	51613	.139	.138	0.7	52547	.078	.088	-11.4

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STATE: 24 - MISSOURI
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
52581	2.950	3.680	-19.8 L	56391	.320	.320	0.0	58397	.740	.830	-10.8
52744	.081	.094	-13.8	56427	.125	.125	0.0	58503	.076	.061	24.6 U
52911	.450	.520	-13.5	56488	.034	.034	0.0	58575	.120	.123	-2.4
52967	.062	.064	-3.1	56690	.350	.360	-2.8	58627	.013	.016	-18.8
53001	.330	.330	0.0	56699	.057	.051	11.8	58663	1.280	1.590	-19.5 L
53077	.207	.197	5.1	56758	.148	.155	-4.5	58737	.630	.740	-14.9
53121	.440	.460	-4.3	56759	.080	.093	-14.0	58802	.480	.450	6.7
53333	.239	.213	12.2	56760	.098	.106	-7.5	58837	.162	.165	-1.8
53374	.310	.380	-18.4	56912	.090	.084	7.1	58840	.127	.111	14.4
53375	.223	.250	-10.8	56916	.205	.187	9.6	58873	.030	.030	0.0
53376	.194	.187	3.7	57001	.026	.021	23.8	58904	.128	.131	-2.3
53377	.195	.211	-7.6	57002	.106	.110	-3.6	58922	.168	.187	-10.2
53565	.108	.124	-12.9	57090	.660	.630	4.8	59005	.096	.096	0.0
53631	.022	.022	0.0	57146	.720	.670	7.5	59188	.055	.056	-1.8
53632	.034	.035	-2.9	57257	.035	.036	-2.8	59189	.300	.300	0.0
53732	.450	.460	-2.2	57401	.096	.098	-2.0	59223	.088	.077	14.3
53733	.270	.260	3.8	57403	.035	.036	-2.8	59257	.013	.015	-13.3
53907	.103	.111	-7.2	57410	.162	.130	24.6 U	59378	.150	.152	-1.3
54077	.400	.370	8.1	57572	.108	.094	14.9	59481	.099	.088	12.5
55010	1.080	1.100	-1.8	57600	.034	.033	3.0	59537	.210	.168	25.0 U
55011	1.570	1.260	24.6 U	57611	.062	.064	-3.1	59601	2.370	2.310	2.6
55012	1.180	1.170	0.9	57651	.041	.043	-4.7	59647	.170	.176	-3.4
55013	1.140	.990	15.2	57690	.490	.510	-3.9	59660	1.180	1.140	3.5
55214	.088	.089	-1.1	57716	.082	.087	-5.7	59701	.290	.244	18.9
55371	.119	.130	-8.5	57725	.088	.091	-3.3	59713	.310	.330	-6.1
55597	1.790	1.780	0.6	57726	.021	.019	10.5	59722	.031	.032	-3.1
55647	.062	.056	10.7	57810	.107	.109	-1.8	59723	.037	.038	-2.6
55715	.224	.234	-4.3	57871	.118	.116	1.7	59724	.019	.022	-13.6
55716	.520	.520	0.0	57913	.290	.310	-6.5	59725	.116	.104	11.5
55802	.009	.009	0.0	57998	.058	.059	-1.7	59726	.024	.024	0.0
55918	2.740	3.190	-14.1	57999	.071	.071	0.0	59738	.064	.066	-3.0
55919	3.650	3.640	0.3	58095	1.990	1.830	8.7	59750	.222	.240	-7.5
56040	.033	.040	-17.5	58096	1.230	1.040	18.3	59773	.028	.028	0.0
56202	.089	.100	-11.0	58301	.088	.082	7.3	59774	.150	.152	-1.3
56390	.640	.630	1.6	58302	.055	.055	0.0	59775	.188	.189	-0.5

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STATE: 24 - MISSOURI
 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	.068	.076	-10.5	91341	4.050	3.510	15.4	96409	6.430	6.770	-5.0
59782	.460	.490	-6.1	91342	2.630	2.670	-1.5	96410	7.550	7.080	6.6
59798	.500	.460	8.7	91343	1.660	1.470	12.9	96611	1.340	1.350	-0.7
59886	.108	.112	-3.6	91436	1.740	1.620	7.4	97221	1.110	.980	13.3
59889	.165	.153	7.8	91507	2.620	2.610	0.4	97222	1.960	2.200	-10.9
59904	.061	.066	-7.6	91551	.660	.570	15.8	97223	4.860	3.970	22.4
59905	.132	.130	1.5	91555	.980	.960	2.1	97447	4.500	3.700	21.6
59914	.680	.620	9.7	91560	3.570	3.710	-3.8	97650	3.550	3.320	6.9
59915	.750	.780	-3.8	91577	2.660	2.270	17.2	97651	3.370	3.250	3.7
59917	.205	.165	24.2	91746	5.600	4.940	13.4	97652	3.410	3.190	6.9
59923	.004	.005	-20.0	92053	.580	.530	9.4	97653	2.420	2.180	11.0
59925	1.190	1.090	9.2	92054	.216	.233	-7.3	97654	2.530	2.420	4.5
59926	.450	.420	7.1	92055	.224	.242	-7.4	97655	3.610	3.290	9.7
59927	1.420	1.560	-9.0	92101	2.660	2.330	14.2	98002	.900	.890	1.1
59931	.550	.590	-6.8	92102	2.810	2.280	23.2	98152	.510	.390	30.8 U
59932	.880	.930	-5.4	92215	2.720	2.690	1.1	98157	.290	.260	11.5
59947	.320	.330	-3.0	92338	1.830	1.480	23.6	98163	.170	.192	-11.5
59955	.143	.147	-2.7	92446	1.440	1.470	-2.0	98164	.055	.064	-14.1
59963	.410	.450	-8.9	92447	1.160	1.080	7.4	98303	4.780	5.170	-7.5
59964	.069	.061	13.1	92451	2.260	2.070	9.2	98304	3.430	3.300	3.9
59970	.183	.182	0.5	92478	1.390	1.410	-1.4	98305	1.360	1.130	20.4
59975	.227	.243	-6.6	94007	4.760	4.510	5.5	98306	.760	.740	2.7
59984	.053	.055	-3.6	94276	4.700	4.540	3.5	98307	.430	.450	-4.4
59988	.059	.060	-1.7	94381	9.190	8.960	2.6	98308	.930	.710	31.0 U
59989	.044	.045	-2.2	94404	3.060	3.240	-5.6	98309	2.060	2.250	-8.4
91111	7.340	7.250	1.2	94569	3.250	2.830	14.8	98344	.750	.640	17.2
91125	1.180	1.360	-13.2	95124	1.070	.870	23.0	98449	18.700	16.700	12.0
91127	.920	1.000	-8.0	95310	.660	.820	-19.5 L	98482	4.400	4.100	7.3
91150	5.270	4.780	10.3	95410	2.500	2.530	-1.2	98483	13.700	12.300	11.4
91155	36.200	30.900	17.2	95455	1.200	1.350	-11.1	98502	3.880	3.620	7.2
91235	2.040	1.910	6.8	95505	2.090	1.840	13.6	98636	3.380	3.560	-5.1
91265	1.770	2.050	-13.7	95625	3.190	2.730	16.8	98659	.320	.360	-11.1
91266	.730	.590	23.7	95647	6.360	5.480	16.1	98677	8.390	8.100	3.6
91280	2.180	1.720	26.7	96053	3.450	3.170	8.8	98678	13.300	11.800	12.7
91340	7.330	7.320	0.1	96408	9.330	7.700	21.2	98805	1.210	1.070	13.1

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STATE: 24 - MISSOURI
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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
98806	3.070	2.800	9.6								
98813	1.530	1.800	-15.0								
98820	2.720	2.660	2.3								
98884	1.440	1.170	23.1								
98914	.470	.530	-11.3								
98949	.238	.270	-11.9								
98967	6.700	5.080	31.9 U								
98993	4.000	4.750	-15.8								
99003	1.170	1.100	6.4								
99004	1.560	1.540	1.3								
99080	6.730	7.360	-8.6								
99163	.270	.300	-10.0								
99315	1.300	1.010	28.7								
99321	1.930	1.950	-1.0								
99613	1.670	1.630	2.5								
99650	.950	.860	10.5								
99746	2.950	2.700	9.3								
99803	7.120	6.330	12.5								
99826	.550	.470	17.0								
99827	.560	.590	-5.1								
99946	2.140	2.300	-7.0								
99948	20.100	20.200	-0.5								
99952	14.000	13.800	1.4								
99953	8.350	7.270	14.9								
99954	11.100	11.600	-4.3								
99955	5.030	5.880	-14.5								
99969	2.840	2.630	8.0								

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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

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

INCURRED
LOSSES
& LAE

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

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

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

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

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

EXPERIENCE
RATIO

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

EXPECTED
EXPERIENCE
RATIO

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

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

STEP 2 - DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

PRODUCTS(Cont'd)

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

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

LOCAL PRODUCTS/
COMPLETED
OPERATIONS

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

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

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

EXPLANATORY NOTES TO DETERMINATION OF INDICATED
LOSS COST LEVEL CHANGE

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

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

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

OBJECTIVES

The objectives of this procedure are to:

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

EXPERIENCE BASE

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

SIMULTANEOUS DETERMINATION OF RATING VARIABLE RELATIVE CHANGES

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

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

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

RATING VARIABLES USED

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE

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

For Owners, Landlords and Tenants:

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

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

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

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

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

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

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

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

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

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

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

n is the number of class groups in the analysis;

p is the number of territories in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Manufacturers and Contractors, and Products:

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

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

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

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

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

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

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

and j^{th} class group;

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

n is the number of class groups in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Local Products/Completed Operations:

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

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

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

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

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

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

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

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

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

n is the number of class groups in the analysis;

p is the number of states in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

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

APPLICATION OF CREDIBILITY

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

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

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

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

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

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

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

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

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

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

W is the credibility-weighted relative change.

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MULTILINE CONSIDERATIONS

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

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

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

MONOLINE INDICATIONS -- PREMISES/ OPERATIONS

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

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

Territory applies to Owners, Landlords and Tenants only.

MONOLINE INDICATIONS -- PRODUCTS

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MONOLINE INDICATIONS -- LOCAL PRODUCTS/ COMPLETED OPERATIONS

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

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

EXPLANATORY NOTES TO
IMPLICIT PACKAGE MODIFICATION FACTORS

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

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

EXPLANATION OF EXPOSURE DEVELOPMENT

IMPORTANCE OF APPLICATION

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

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

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

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

The immature experience reported as of 15 and 27 months for accident years ending 12/31/2018 and 12/31/2017 must be adjusted to an ultimate exposure development basis. This adjustment is accomplished through the use of an exposure development factor. Exposures are assumed to be mature at 39 months. Exposure development factors are based on experience evaluated as of March 31, 2019 for Premises/ Operations and March 31, 2019 for Products/Completed Operations.

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

EXPLANATION OF EXPOSURE DEVELOPMENT

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS (Cont'd)

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

EXPLANATION OF LOSS DEVELOPMENT

IMPORTANCE OF APPLICATION

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

APPLICATION OF LOSS DEVELOPMENT FACTORS

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

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

The immature experience reported as of 15, 27 and 39 months for accident years ending 12/31/2018, 12/31/2017 and 12/31/2016 must be adjusted to an ultimate settlement basis. This adjustment is accomplished through the use of a loss development factor.

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

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

EXPLANATION OF LOSS DEVELOPMENT

APPLICATION OF LOSS DEVELOPMENT FACTORS (Cont'd)

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

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

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

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

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

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

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

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, 2018 evaluated as of March 31, 2019. If an analogous procedure is used for ALAE, the variability of the experience can lead to unusually high (or low) estimates of ultimate ALAE.

INCREMENTAL ALAE PERCENTAGES

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

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

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

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

DESCRIPTION OF METHODOLOGY

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

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

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

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

APPLICATION

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

These calculations are shown in Section E - Loss Development.

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

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

EXPLANATION OF MODIFIED BONDY METHOD

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

Accident Year	171 to 183 Months	183 to 195 Months	195 to 207 Months	207 to 219 Months	219 to 231 Months	231 to 243 Months	243 Months To Ultimate
1998	A	G	L	P	S	U	Z*
1999	B	H	M	Q	T	Y*	
2000	C	I	N	R	X*	Y*	
2001	D	J	O	W*	X*	Y*	
2002	E	K	V*	W*	X*	Y*	
2003	F						
Best 3 out of 5#	BTOF1	BTOF2	BTOF3	BTOF4	BTOF5	BTOF6	

* Calculated using the Modified Bondy Procedure.

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

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

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

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

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

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

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

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

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

UNALLOCATED LOSS ADJUSTMENT FACTOR METHODOLOGY

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

EXPLANATION OF TREND CALCULATION

EXPOSURE TREND

The exposure bases for most Premises/Operations and Products/Completed Operations classes are inflation sensitive. In order to provide aggregate loss costs at current level, reported exposures must be trended to reflect the anticipated exposure levels. For M&C, exposures are forecasted based upon econometric models for sales by manufacturers and average hourly earnings of contracting workers developed by Moody's Analytics. For OL&T Class Group 16 exposures are forecasted based upon econometric models of a year-ended quarterly price deflator of state and local government expenditures developed by Moody's Analytics. The exposure trend for OL&T Class Groups 1-13 is based upon the average annual growth rates in consumption components. This data was also supplied by Moody's Analytics. For Premises/Operations exposure trend detail, see Section E - Trend Data.

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

SEVERITY TREND

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

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

SEVERITY
TREND
(Cont'd)

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

FREQUENCY
TREND

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

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

CREDIBILITY STANDARDS

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

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

The rule for Owners, Landlords and Tenants is:

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

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

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

For Manufacturers and Contractors:

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

For Owners, Landlords and Tenants:

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

For Products:

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

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

CREDIBILITY STANDARDS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 |

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2016	\$14,281,394	\$12,256,136	0.20	0.858	505
12/31/2017	15,240,373	15,429,810	0.30	1.012	511
12/31/2018	15,631,416	15,613,326	0.50	0.999	535

(7)	WEIGHTED EXPERIENCE RATIO	0.975
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.026
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.49
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} }	1.001
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	+ 0.1 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	- 4.0 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	- 4.0 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2020. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.026). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.026) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (07/01/2020) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (07/01/2021).

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2016	\$16,852,970	\$17,291,860	0.20	1.026	832
12/31/2017	17,542,071	18,414,738	0.30	1.050	795
12/31/2018	17,267,671	18,759,900	0.50	1.086	890

(7)	WEIGHTED EXPERIENCE RATIO	1.063
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.032
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.65
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X { 1.0 - (9) } }	1.052
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	+ 5.2 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	+ 7.1 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	+ 7.1 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2020. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.032). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.032) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (07/01/2020) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (07/01/2021).

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	MULTISTATE AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	MULTISTATE \$100,000 BASIC LIMITS INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2016	\$101,545,304	\$116,523,158	0.20	1.147	1,959
12/31/2017	105,720,327	115,874,882	0.30	1.096	1,826
12/31/2018	107,600,597	104,719,629	0.50	0.973	1,695
(7)	WEIGHTED EXPERIENCE RATIO				1.045
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7)-1.00 }X 100%				+ 4.5 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)				- 0.1 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C)				- 0.4 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE				- 0.4 %
(A)	THESE ARE CALCULATED BY SUMMING OVER THE CLASSES THE PRODUCTS OF MULTISTATE REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND MULTISTATE \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION F - CALCULATION OF AGGREGATE LOSS COSTS AT CURRENT LEVEL.				
(B)	INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2020.				
(C)	THE INDICATED STATEWIDE PRODUCTS CHANGE IS CALCULATED BY DETERMINING THE EFFECT, ON STATEWIDE LOSS COST LEVELS, OF IMPLEMENTING THE INDICATED MULTISTATE LOSS COSTS. THE DIFFERENCE BETWEEN THE INDICATED MULTISTATE CHANGE AND THE INDICATED STATEWIDE CHANGE IS A RESULT OF A DIFFERENCE IN THE DISTRIBUTION OF RISKS BY CLASS IN THIS JURISDICTION VERSUS THE MULTISTATE. (SEE SECTION A - PRODUCTS CLASS GROUP LOSS COST LEVEL CHANGE) .				

MISSOURI
LOCAL PRODUCTS/COMPLETED OPERATIONS
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DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	MULTISTATE AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	MULTISTATE \$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2016	\$283,573,856	\$337,794,306	0.20	1.191	6,228
12/31/2017	295,973,538	323,082,763	0.30	1.092	5,614
12/31/2018	303,744,060	332,169,074	0.50	1.094	5,528

(7)	WEIGHTED EXPERIENCE RATIO.....	1.113
-----	--------------------------------	-------

(8) INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
{ (7) - 1.00 } x 100%..... + 11.3 %

(9) INDICATED MULTISTATE MONOLINE CHANGE
(SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... + 9.2 %

(10) INDICATED STATEWIDE MONOLINE CHANGE (C)
(SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... + 7.0 %

(11) SELECTED STATEWIDE MONOLINE CHANGE..... + 7.0 %

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

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

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

SECTION D

RELATIVE CHANGE ANALYSIS

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MISSOURI
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 1.001 OR + 0.1%	
TOP						
10	0.807	0.212	0.955	0.959		
33	0.647	0.030	0.987	0.991		
34	0.775	0.076	0.981	0.985		
35	3.748	0.100	1.141	1.146		
36	0.993	0.120	0.999	1.003		
37	1.028	0.077	1.002	1.006		
38	1.209	0.241	1.047	1.051		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
30	1.035	0.111	1.004	1.004	-	3.6%
31	0.981	0.144	0.997	0.997	-	4.2%
32	1.058	0.252	1.014	1.014	-	2.6%
33	0.934	0.113	0.992	0.992	-	4.7%
34	0.758	0.120	0.967	0.967	-	7.1%
35	2.230	0.026	1.021	1.021	-	2.0%
36	0.848	0.065	0.989	0.989	-	5.0%
37	0.946	0.042	0.998	0.997	-	4.2%
38	1.174	0.100	1.016	1.016	-	2.4%
OVERALL MONOLINE INDICATION					-	4.0%

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

MISSOURI
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	30 SERVICE	\$837,219	\$2,788,701	0.707	0.744	47	0.963
	31 LIGHT CONTRACTING	408,918	1,995,968	0.461	0.485	71	0.957
	32 MEDIUM CONTRCTING	2,823,483	13,322,582	0.824	0.868	450	0.973
	33 HEAVY CONTRACTING	1,047,759	5,529,608	0.740	0.780	70	0.952
	34 DEALER OR DISTRIB	632,365	2,808,139	0.672	0.707	63	0.928
	35 LGT. MANUFACTURER	87,177	513,393	1.997	2.103	8	0.979
	36 MED. MANUFACTURER	330,765	1,687,147	0.910	0.959	28	0.949
	37 HVY. MANUFACTURER	174,797	921,185	0.845	0.890	8	0.957
	38 MISC. OPERATION	379,076	1,851,997	0.729	0.768	70	0.975
	TOTAL *	\$6,721,559	\$31,418,720	0.775		815	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$690	\$3,932	0.000	0.000	0	0.988
	32 MEDIUM CONTRCTING	8,176	29,961	0.000	0.000	0	1.005
	33 HEAVY CONTRACTING	61,664	315,452	0.534	0.562	4	0.983
	38 MISC. OPERATION	92,896	393,433	0.809	0.852	13	1.007
	TOTAL *	\$163,426	\$742,778	0.661		17	
34 MULT MERCANTILE	30 SERVICE	\$22,189	\$83,180	0.107	0.113	1	0.988
	32 MEDIUM CONTRCTING	119,980	372,015	0.094	0.099	7	0.999
	34 DEALER OR DISTRIB	711,226	3,312,687	0.558	0.588	76	0.952
	36 MED. MANUFACTURER	2,931	15,975	0.000	0.000	0	0.974
	38 MISC. OPERATION	61,286	186,302	2.472	2.603	22	1.001
	TOTAL *	\$917,612	\$3,970,159	0.612		106	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$7,328	\$41,471	0.622	0.655	2	1.143
	32 MEDIUM CONTRCTING	193,940	951,958	3.872	4.079	180	1.162
	TOTAL *	\$201,268	\$993,429	3.754		182	
36 MULT SERVICES	30 SERVICE	\$52,214	\$231,157	0.776	0.817	19	1.007
	31 LIGHT CONTRACTING	50,449	477,962	0.671	0.706	19	1.000
	32 MEDIUM CONTRCTING	82,185	433,021	1.221	1.286	19	1.017
	33 HEAVY CONTRACTING	33,724	220,886	1.491	1.570	14	0.995
	34 DEALER OR DISTRIB	793,863	3,498,622	0.660	0.695	119	0.970
	36 MED. MANUFACTURER	5,852	24,045	1.838	1.936	1	0.992
	38 MISC. OPERATION	365,461	1,662,608	1.164	1.226	72	1.019
	TOTAL *	\$1,383,748	\$6,548,301	0.857		263	

MISSOURI
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	\$242	\$2,561	0.000	0.000	0	1.003
	32 MEDIUM CONTRCTING	162,825	870,654	2.160	2.275	20	1.020
	33 HEAVY CONTRACTING	47,270	217,992	0.103	0.109	6	0.998
	34 DEALER OR DISTRIB	22,626	77,175	0.097	0.102	2	0.973
	35 LGT. MANUFACTURER	100,008	427,805	1.925	2.028	5	1.027
	36 MED. MANUFACTURER	611,626	2,889,251	0.680	0.716	48	0.995
	37 HVY. MANUFACTURER	415,767	2,103,076	0.873	0.920	25	1.004
	38 MISC. OPERATION	20,867	95,061	1.433	1.509	3	1.022
	TOTAL *	\$1,381,231	\$6,683,575	0.985		109	
38 MULT CONTRACTORS	30 SERVICE	\$671,950	\$3,283,558	1.332	1.403	156	1.055
	31 LIGHT CONTRACTING	987,507	4,293,538	1.282	1.350	284	1.048
	32 MEDIUM CONTRCTING	2,176,454	10,369,452	1.134	1.194	469	1.066
	33 HEAVY CONTRACTING	929,656	4,182,738	1.066	1.122	136	1.043
	38 MISC. OPERATION	54,919	149,226	0.086	0.090	1	1.068
	TOTAL *	\$4,820,486	\$22,278,512	1.167		1,046	
TOTAL ALL TOP	30 SERVICE	\$1,583,572	\$6,386,596	0.966		223	
	31 LIGHT CONTRACTING	1,455,134	6,815,432	1.026		376	
	32 MEDIUM CONTRCTING	5,567,043	26,349,643	1.079		1,145	
	33 HEAVY CONTRACTING	2,120,073	10,466,676	0.875		230	
	34 DEALER OR DISTRIB	2,160,080	9,696,623	0.624		260	
	35 LGT. MANUFACTURER	187,185	941,198	1.958		13	
	36 MED. MANUFACTURER	951,174	4,616,418	0.765		77	
	37 HVY. MANUFACTURER	590,564	3,024,261	0.865		33	
	38 MISC. OPERATION	974,505	4,338,627	0.988		181	
	TOTAL *	\$15,589,330	\$72,635,474	0.949		2,538	

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

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	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 1.052 OR + 5.2%	
TOP						
10	1.080	0.276	1.022	1.021		
31	1.218	0.119	1.024	1.023		
32	0.959	0.093	0.996	0.995		
33	1.036	0.174	1.006	1.005		
34	1.033	0.236	1.008	1.007		
35	0.913	0.185	0.983	0.982		
36	0.711	0.137	0.954	0.953		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
01	0.963	0.117	0.996	1.000	+	7.4%
02	0.845	0.174	0.971	0.976	+	4.9%
03	0.938	0.123	0.992	0.997	+	7.1%
04	1.127	0.016	1.002	1.007	+	8.2%
05	0.984	0.030	1.000	1.004	+	7.6%
06	1.542	0.058	1.025	1.030	+	10.4%
07	1.109	0.128	1.013	1.018	+	9.1%
08	1.584	0.052	1.024	1.029	+	10.6%
09	0.717	0.164	0.947	0.951	+	2.2%
10	1.073	0.165	1.012	1.016	+	9.2%
11	1.003	0.099	1.000	1.005	+	7.9%
12	0.959	0.277	0.988	0.993	+	6.7%
13	1.596	0.092	1.044	1.049	+	12.8%
16	1.310	0.075	1.020	1.025	+	10.0%

OVERALL MONOLINE INDICATION + 7.1%

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

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	(1)	(2)	(3)	(4)	(5)
	BAILEY				
TERRITORY	FORMULA	CREDIBILITY	Z-WTD	BALANCED	INDICATED
	RELATIV.	Z	RELATIV.	RELATIV.	MONOLINE CHG.
501	1.110	0.193	1.020	1.022	+ 9.2%
502	0.966	0.272	0.991	0.992	+ 6.2%
503	0.992	0.357	0.997	0.999	+ 7.1%

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

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 501

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$24,837	\$132,140	0.023	0.021	0	1.044
	02 RESTAURANTS	44,005	518,295	1.222	1.127	26	1.018
	03 STORES	13,437	52,884	0.592	0.545	1	1.040
	04 VENDING & RENTAL	1,443	8,083	0.000	0.000	0	1.050
	05 FOOD & BEV. DIST.	10	81,682	0.000	0.000	0	1.048
	06 NON-FOOD&BEV.DIST	11,901	49,248	4.118	3.796	7	1.075
	07 CLUBS, AMSMT&SPRTS	33,032	149,361	5.658	5.215	29	1.062
	08 HEALTH CARE FACIL	1,888	9,271	0.000	0.000	0	1.073
	09 HOTELS AND MOTELS	66,738	533,865	0.132	0.121	12	0.992
	10 SCHLS & CHURCHES	60,042	374,613	1.447	1.334	25	1.060
	11 APARTMENTS	115,851	455,614	2.170	2.001	13	1.048
	12 BUILDINGS&OFFICES	411,335	2,652,787	0.711	0.656	135	1.036
	13 MISC. PREMISES	18,014	79,139	0.865	0.797	4	1.094
	TOTAL *	\$802,533	\$5,096,982	1.188		252	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$162,773	\$783,366	0.407	0.375	45	0.995
	TOTAL *	\$162,773	\$783,366	0.407		45	
32 MULT APARTMENT	11 APARTMENTS	\$61,657	\$294,234	1.854	1.709	17	1.022
	12 BUILDINGS&OFFICES	25,490	109,042	1.282	1.182	7	1.010
	TOTAL *	\$87,147	\$403,276	1.687		24	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$481,953	\$2,320,336	1.132	1.043	86	1.020
	13 MISC. PREMISES	11,828	59,857	6.824	6.290	1	1.078
	TOTAL *	\$493,781	\$2,380,193	1.268		87	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$19,346	\$99,758	7.240	6.674	38	1.029
	02 RESTAURANTS	212,052	1,088,559	0.820	0.756	59	1.004
	03 STORES	72,212	289,205	1.262	1.163	17	1.026
	04 VENDING & RENTAL	182	10,142	1.080	0.995	0	1.036
	05 FOOD & BEV. DIST.	13,198	58,875	0.220	0.203	1	1.034
	06 NON-FOOD&BEV.DIST	16,924	85,807	0.762	0.702	3	1.060
	12 BUILDINGS&OFFICES	98,933	506,343	1.354	1.248	31	1.022
	TOTAL *	\$432,847	\$2,138,689	1.282		149	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY		501	(1)	(2)	(3)	(4)	(5)	(6)
			CALENDAR A.Y.E. 12/31/2018 AGGREGATE	CALENDAR A.Y.E. 2014 - 2018	FIVE YEAR EXPERIENCE		NUMBER OF	BAL CELL
TYPE OF POLICY		CLASS GROUP	LOSS COSTS AT CURRENT LEVEL	AGG LOSS COST CURRENT LEVEL	RATIO	RELATIV.	OCCURRENCES	RELATIV.
35 MULT INSTITUT.		08 HEALTH CARE FACIL	\$31,754	\$200,543	0.064	0.059	3	1.033
		10 SCHLS & CHURCHES	161,029	844,996	1.586	1.462	61	1.021
		12 BUILDINGS&OFFICES	5,859	30,635	0.000	0.000	0	0.997
		16 GOVT SUBDIVISIONS	798	1,337	0.000	0.000	0	1.030
		TOTAL *	\$199,440	\$1,077,511	1.291		64	
36 MULT SERVICES		03 STORES	\$11,782	\$38,461	0.000	0.000	0	0.971
		04 VENDING & RENTAL	4,695	20,423	5.132	4.730	1	0.981
		07 CLUBS, AMSMT&SPRTS	56,822	295,723	1.024	0.944	7	0.992
		08 HEALTH CARE FACIL	50	157	0.000	0.000	0	1.003
		09 HOTELS AND MOTELS	221	17,116	0.022	0.020	0	0.927
		10 SCHLS & CHURCHES	0	274	0.000	0.000	0	0.991
		12 BUILDINGS&OFFICES	74,343	398,917	1.309	1.206	30	0.968
		13 MISC. PREMISES	66,355	238,421	1.176	1.084	12	1.022
		TOTAL *	\$214,268	\$1,009,492	1.202		50	
TOTAL ALL	TOP	01 FOOD&BEV. (RETAIL)	\$44,183	\$231,898	3.183		38	
		02 RESTAURANTS	256,057	1,606,854	0.889		85	
		03 STORES	97,431	380,550	1.017		18	
		04 VENDING & RENTAL	6,320	38,648	3.843		1	
		05 FOOD & BEV. DIST.	13,208	140,557	0.220		1	
		06 NON-FOOD&BEV.DIST	28,825	135,055	2.147		10	
		07 CLUBS, AMSMT&SPRTS	89,854	445,084	2.728		36	
		08 HEALTH CARE FACIL	33,692	209,971	0.060		3	
		09 HOTELS AND MOTELS	229,732	1,334,347	0.327		57	
		10 SCHLS & CHURCHES	221,071	1,219,883	1.549		86	
		11 APARTMENTS	177,508	749,848	2.061		30	
		12 BUILDINGS&OFFICES	1,097,913	6,018,060	1.004		289	
		13 MISC. PREMISES	96,197	377,417	1.812		17	
		16 GOVT SUBDIVISIONS	798	1,337	0.000		0	
		TOTAL *	\$2,392,789	\$12,889,509	1.197		671	

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

MISSOURI
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 502

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$4,464	\$36,400	2.368	2.183	7	1.013
	02 RESTAURANTS	71,695	928,103	0.490	0.452	25	0.988
	03 STORES	27,743	112,416	2.404	2.215	13	1.010
	04 VENDING & RENTAL	438	2,199	0.000	0.000	0	1.020
	05 FOOD & BEV. DIST.	38,673	53,435	1.509	1.391	4	1.017
	06 NON-FOOD&BEV.DIST	36,105	174,000	4.771	4.397	5	1.044
	07 CLUBS, AMSMT&SPRTS	170,964	679,146	1.583	1.459	47	1.031
	08 HEALTH CARE FACIL	2,207	8,116	20.746	19.123	5	1.042
	09 HOTELS AND MOTELS	326,183	2,357,990	1.050	0.968	125	0.964
	10 SCHLS & CHURCHES	116,766	552,907	0.704	0.649	34	1.030
	11 APARTMENTS	221,995	993,517	1.793	1.653	39	1.018
	12 BUILDINGS&OFFICES	1,110,455	6,050,484	1.067	0.984	249	1.006
	13 MISC. PREMISES	36,551	273,344	1.159	1.068	6	1.062
	16 GOVT SUBDIVISIONS	130	657	0.000	0.000	0	1.038
	TOTAL *	\$2,164,369	\$12,222,714	1.252		559	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$161,386	\$867,832	1.053	0.971	46	0.966
	TOTAL *	\$161,386	\$867,832	1.053		46	
32 MULT APARTMENT	11 APARTMENTS	\$282,430	\$1,089,155	0.672	0.620	37	0.993
	12 BUILDINGS&OFFICES	50,618	191,658	0.496	0.458	7	0.981
	TOTAL *	\$333,048	\$1,280,813	0.646		44	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,044,145	\$5,112,556	0.643	0.592	178	0.991
	13 MISC. PREMISES	16,168	98,202	0.074	0.068	2	1.046
	TOTAL *	\$1,060,313	\$5,210,758	0.634		180	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$66,171	\$273,235	2.487	2.292	26	1.000
	02 RESTAURANTS	432,063	1,830,442	0.892	0.822	99	0.975
	03 STORES	110,410	613,570	1.389	1.280	87	0.996
	04 VENDING & RENTAL	1,044	4,877	0.000	0.000	0	1.006
	05 FOOD & BEV. DIST.	37,878	220,447	1.420	1.308	5	1.003
	06 NON-FOOD&BEV.DIST	105,811	543,089	1.687	1.555	10	1.029
	12 BUILDINGS&OFFICES	178,933	1,083,260	1.623	1.496	50	0.992
	TOTAL *	\$932,310	\$4,568,920	1.315		277	

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY		502	(1)	(2)	(3)	(4)	(5)	(6)
			CALENDAR A.Y.E. 12/31/2018 AGGREGATE	CALENDAR A.Y.E. 2014 - 2018	FIVE YEAR EXPERIENCE		NUMBER OF	BAL CELL
TYPE OF POLICY		CLASS GROUP	LOSS COSTS AT CURRENT LEVEL	AGG LOSS COST CURRENT LEVEL	RATIO	RELATIV.	OCCURRENCES	RELATIV.
35 MULT INSTITUT.		07 CLUBS, AMSMT&SPRTS	\$0	\$2,148	0.000	0.000	0	0.993
		08 HEALTH CARE FACIL	25,469	152,308	0.569	0.525	15	1.003
		10 SCHLS & CHURCHES	267,354	1,443,781	1.327	1.224	88	0.991
		12 BUILDINGS&OFFICES	13,711	83,235	2.832	2.610	22	0.968
		16 GOVT SUBDIVISIONS	0	295	0.000	0.000	0	1.000
		TOTAL *	\$306,534	\$1,681,767	1.332		125	
36 MULT SERVICES		03 STORES	\$24,103	\$120,152	1.190	1.097	9	0.943
		04 VENDING & RENTAL	6,237	34,688	3.510	3.235	2	0.952
		07 CLUBS, AMSMT&SPRTS	406,361	1,911,278	0.537	0.495	39	0.963
		08 HEALTH CARE FACIL	89	417	0.000	0.000	0	0.974
		09 HOTELS AND MOTELS	1,170	9,186	0.000	0.000	0	0.900
		10 SCHLS & CHURCHES	1,375	7,118	1.243	1.146	1	0.962
		12 BUILDINGS&OFFICES	88,236	550,608	1.138	1.049	30	0.940
		13 MISC. PREMISES	127,485	557,635	0.525	0.484	20	0.992
		TOTAL *	\$655,056	\$3,191,082	0.668		101	
TOTAL ALL	TOP	01 FOOD&BEV. (RETAIL)	\$70,635	\$309,635	2.479		33	
		02 RESTAURANTS	503,758	2,758,545	0.835		124	
		03 STORES	162,256	846,138	1.533		109	
		04 VENDING & RENTAL	7,719	41,764	2.836		2	
		05 FOOD & BEV. DIST.	76,551	273,882	1.465		9	
		06 NON-FOOD&BEV.DIST	141,916	717,089	2.471		15	
		07 CLUBS, AMSMT&SPRTS	577,325	2,592,572	0.846		86	
		08 HEALTH CARE FACIL	27,765	160,841	2.172		20	
		09 HOTELS AND MOTELS	488,739	3,235,008	1.049		171	
		10 SCHLS & CHURCHES	385,495	2,003,806	1.138		123	
		11 APARTMENTS	504,425	2,082,672	1.166		76	
		12 BUILDINGS&OFFICES	2,486,098	13,071,801	0.929		536	
		13 MISC. PREMISES	180,204	929,181	0.613		28	
		16 GOVT SUBDIVISIONS	130	952	0.000		0	
		TOTAL *	\$5,613,016	\$29,023,886	1.040		1,332	

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

MISSOURI
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 503

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$309,064	\$1,119,051	0.874	0.805	59	1.020
	02 RESTAURANTS	140,249	1,267,190	1.559	1.437	83	0.995
	03 STORES	133,224	457,725	1.821	1.678	27	1.016
	04 VENDING & RENTAL	11,131	52,006	0.000	0.000	0	1.026
	05 FOOD & BEV. DIST.	17,900	39,905	0.046	0.042	1	1.024
	06 NON-FOOD&BEV.DIST	61,319	371,659	0.836	0.770	13	1.050
	07 CLUBS, AMSMT&SPRTS	283,873	1,320,445	1.465	1.351	76	1.038
	08 HEALTH CARE FACIL	18,783	65,025	0.834	0.768	3	1.049
	09 HOTELS AND MOTELS	306,665	1,721,398	0.753	0.694	92	0.970
	10 SCHLS & CHURCHES	93,136	449,685	1.546	1.425	17	1.036
	11 APARTMENTS	303,842	1,240,377	0.575	0.530	25	1.024
	12 BUILDINGS&OFFICES	768,828	3,469,801	0.969	0.893	112	1.012
	13 MISC. PREMISES	132,051	561,130	1.600	1.475	49	1.069
	16 GOVT SUBDIVISIONS	9,008	49,213	1.558	1.436	4	1.045
	TOTAL *	\$2,589,073	\$12,184,610	1.056		561	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$487,658	\$1,897,487	1.109	1.022	164	0.972
	TOTAL *	\$487,658	\$1,897,487	1.109		164	
32 MULT APARTMENT	11 APARTMENTS	\$243,184	\$1,141,285	0.972	0.896	48	0.999
	12 BUILDINGS&OFFICES	70,606	307,259	2.208	2.035	41	0.987
	TOTAL *	\$313,790	\$1,448,544	1.250		89	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,082,517	\$5,122,285	1.459	1.345	280	0.997
	13 MISC. PREMISES	8,699	35,900	1.332	1.227	2	1.053
	TOTAL *	\$1,091,216	\$5,158,185	1.458		282	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$418,921	\$2,229,588	0.806	0.742	117	1.006
	02 RESTAURANTS	931,712	4,004,916	0.948	0.874	256	0.981
	03 STORES	478,510	1,837,808	0.725	0.668	105	1.003
	04 VENDING & RENTAL	2,400	14,753	1.894	1.746	1	1.012
	05 FOOD & BEV. DIST.	47,390	199,288	1.185	1.093	6	1.010
	06 NON-FOOD&BEV.DIST	141,345	693,635	1.308	1.205	24	1.036
	12 BUILDINGS&OFFICES	283,498	1,442,178	1.091	1.006	71	0.999
	TOTAL *	\$2,303,776	\$10,422,166	0.921		580	

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BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 503

		(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2018 AGGREGATE	CALENDAR A.Y.E. 2014 - 2018	FIVE YEAR EXPERIENCE		NUMBER OF	BAL CELL
TYPE OF POLICY	CLASS GROUP	LOSS COSTS AT CURRENT LEVEL	AGG LOSS COST CURRENT LEVEL	RATIO	RELATIV.	OCCURRENCES	RELATIV.
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$96,050	\$316,852	0.534	0.492	16	0.999
	08 HEALTH CARE FACIL	214,823	846,192	1.940	1.788	23	1.010
	10 SCHLS & CHURCHES	769,165	3,856,915	0.904	0.834	268	0.998
	12 BUILDINGS&OFFICES	25,440	122,083	0.791	0.729	19	0.975
	13 MISC. PREMISES	35,306	184,604	1.662	1.532	7	1.029
	16 GOVT SUBDIVISIONS	376,493	1,497,544	1.290	1.189	99	1.006
	TOTAL *	\$1,517,277	\$6,824,190	1.139		432	
36 MULT SERVICES	03 STORES	\$63,923	\$268,194	0.345	0.318	14	0.949
	04 VENDING & RENTAL	23,932	99,730	0.060	0.056	1	0.959
	07 CLUBS, AMSMT&SPRTS	587,150	2,517,198	0.716	0.660	83	0.970
	08 HEALTH CARE FACIL	19,470	45,205	0.000	0.000	0	0.980
	09 HOTELS AND MOTELS	27,874	210,793	0.586	0.540	3	0.906
	10 SCHLS & CHURCHES	1,134	5,163	0.000	0.000	0	0.968
	12 BUILDINGS&OFFICES	131,074	666,111	1.470	1.355	36	0.946
	13 MISC. PREMISES	75,219	401,568	3.169	2.921	51	0.999
	TOTAL *	\$929,776	\$4,213,962	0.958		188	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$727,985	\$3,348,639	0.834		176	
	02 RESTAURANTS	1,071,961	5,272,106	1.028		339	
	03 STORES	675,657	2,563,727	0.905		146	
	04 VENDING & RENTAL	37,463	166,489	0.160		2	
	05 FOOD & BEV. DIST.	65,290	239,193	0.873		7	
	06 NON-FOOD&BEV.DIST	202,664	1,065,294	1.165		37	
	07 CLUBS, AMSMT&SPRTS	967,073	4,154,495	0.918		175	
	08 HEALTH CARE FACIL	253,076	956,422	1.708		26	
	09 HOTELS AND MOTELS	822,197	3,829,678	0.958		259	
	10 SCHLS & CHURCHES	863,435	4,311,763	0.972		285	
	11 APARTMENTS	547,026	2,381,662	0.751		73	
	12 BUILDINGS&OFFICES	2,361,963	11,129,717	1.271		559	
	13 MISC. PREMISES	251,275	1,183,202	2.069		109	
	16 GOVT SUBDIVISIONS	385,501	1,546,757	1.297		103	
	TOTAL *	\$9,232,566	\$42,149,144	1.083		2,296	

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

MISSOURI
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL	(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$338,365	\$1,287,591	0.831		66	
	02 RESTAURANTS	255,949	2,713,588	1.202		134	
	03 STORES	174,404	623,025	1.819		41	
	04 VENDING & RENTAL	13,012	62,288	0.000		0	
	05 FOOD & BEV. DIST.	56,583	175,022	1.046		5	
	06 NON-FOOD&BEV.DIST	109,325	594,907	2.493		25	
	07 CLUBS, AMSMT&SPRTS	487,869	2,148,952	1.790		152	
	08 HEALTH CARE FACIL	22,878	82,412	2.686		8	
	09 HOTELS AND MOTELS	699,586	4,613,253	0.832		229	
	10 SCHLS & CHURCHES	269,944	1,377,205	1.160		76	
	11 APARTMENTS	641,688	2,689,508	1.284		77	
	12 BUILDINGS&OFFICES	2,290,618	12,173,072	0.970		496	
	13 MISC. PREMISES	186,616	913,613	1.443		59	
	16 GOVT SUBDIVISIONS	9,138	49,870	1.536		4	
	TOTAL *	\$5,555,975	\$29,504,306	1.152		1,372	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$811,817	\$3,548,685	0.957		255	
	TOTAL *	\$811,817	\$3,548,685	0.957		255	
32 MULT APARTMENT	11 APARTMENTS	\$587,271	\$2,524,674	0.921		102	
	12 BUILDINGS&OFFICES	146,714	607,959	1.457		55	
	TOTAL *	\$733,985	\$3,132,633	1.028		157	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$2,608,615	\$12,555,177	1.072		544	
	13 MISC. PREMISES	36,695	193,959	2.548		5	
	TOTAL *	\$2,645,310	\$12,749,136	1.092		549	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$504,438	\$2,602,581	1.273		181	
	02 RESTAURANTS	1,575,827	6,923,917	0.915		414	
	03 STORES	661,132	2,740,583	0.895		209	
	04 VENDING & RENTAL	3,626	29,772	1.308		1	
	05 FOOD & BEV. DIST.	98,466	478,610	1.146		12	
	06 NON-FOOD&BEV.DIST	264,080	1,322,531	1.424		37	
	12 BUILDINGS&OFFICES	561,364	3,031,781	1.307		152	
	TOTAL *	\$3,668,933	\$17,129,775	1.064		1,006	

MISSOURI
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL	(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$96,050	\$319,000	0.534		16	
	08 HEALTH CARE FACIL	272,046	1,199,043	1.592		41	
	10 SCHLS & CHURCHES	1,197,548	6,145,692	1.090		417	
	12 BUILDINGS&OFFICES	45,010	235,953	1.310		41	
	13 MISC. PREMISES	35,306	184,604	1.662		7	
	16 GOVT SUBDIVISIONS	377,291	1,499,176	1.288		99	
	TOTAL *	\$2,023,251	\$9,583,468	1.183		621	
36 MULT SERVICES	03 STORES	\$99,808	\$426,807	0.508		23	
	04 VENDING & RENTAL	34,864	154,841	1.360		4	
	07 CLUBS, AMSMT&SPRTS	1,050,333	4,724,199	0.663		129	
	08 HEALTH CARE FACIL	19,609	45,779	0.000		0	
	09 HOTELS AND MOTELS	29,265	237,095	0.558		3	
	10 SCHLS & CHURCHES	2,509	12,555	0.681		1	
	12 BUILDINGS&OFFICES	293,653	1,615,636	1.330		96	
	13 MISC. PREMISES	269,059	1,197,624	1.425		83	
	TOTAL *	\$1,799,100	\$8,414,536	0.882		339	
TOTAL ALL	TOP						
	01 FOOD&BEV. (RETAIL)	\$842,803	\$3,890,172	1.095		247	
	02 RESTAURANTS	1,831,776	9,637,505	0.955		548	
	03 STORES	935,344	3,790,415	1.026		273	
	04 VENDING & RENTAL	51,502	246,901	1.013		5	
	05 FOOD & BEV. DIST.	155,049	653,632	1.110		17	
	06 NON-FOOD&BEV.DIST	373,405	1,917,438	1.737		62	
	07 CLUBS, AMSMT&SPRTS	1,634,252	7,192,151	0.992		297	
	08 HEALTH CARE FACIL	314,533	1,327,234	1.573		49	
	09 HOTELS AND MOTELS	1,540,668	8,399,033	0.893		487	
	10 SCHLS & CHURCHES	1,470,001	7,535,452	1.103		494	
	11 APARTMENTS	1,228,959	5,214,182	1.111		179	
	12 BUILDINGS&OFFICES	5,945,974	30,219,578	1.079		1,384	
	13 MISC. PREMISES	527,676	2,489,800	1.525		154	
	16 GOVT SUBDIVISIONS	386,429	1,549,046	1.294		103	
	TOTAL *	\$17,238,371	\$84,062,539	1.085		4,299	

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

MISSOURI
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 1.045 OR + 4.5%				
TOP									
10	0.881	0.317	0.961	0.956					
34	0.979	0.343	0.993	0.987					
36	1.029	0.185	1.005	1.000					
37	1.086	0.477	1.040	1.035					
CLASS GROUP					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE		
3	0.867	0.446	0.938	0.942	- 5.9%	- 7.0%	- 7.0%		
4	1.109	0.383	1.040	1.044	+ 4.3%	+ 4.7%	+ 4.7%		
5	1.079	0.130	1.010	1.014	+ 1.2%	- 2.1%	- 2.1%		
6	0.977	0.310	0.993	0.996	- 0.5%	- 1.7%	- 1.7%		
7	0.998	0.143	1.000	1.003	+ 0.2%	- 1.1%	- 1.1%		
			OVERALL MONOLINE INDICATION		- 0.1%	- 0.4%	- 0.4%		
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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 ALCCL for the latest year was used to weight the indicated monoline change by class group.

MULTISTATE
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

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

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

MISSOURI
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 1.113 OR + 11.3%		
TOP							
10	0.978	0.722	0.984	0.982			
34	0.954	0.510	0.976	0.974			
36	0.950	0.521	0.974	0.971			
37	1.093	0.137	1.012	1.010			
38	1.021	0.965	1.020	1.018			
CLASS GROUP					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE
1	0.925	0.511	0.961	0.958	+ 5.0%	+ 4.0%	+ 4.1%
2	1.076	0.497	1.037	1.034	+ 13.1%	+ 10.7%	+ 10.7%
11	1.085	0.347	1.029	1.025	+ 11.6%	+ 13.2%	+ 12.7%
12	1.008	1.000	1.008	1.004	+ 9.4%	+ 6.9%	+ 7.0%
13	0.835	0.264	0.953	0.950	+ 3.8%	+ 2.7%	+ 2.9%
			OVERALL MONOLINE INDICATION		+ 9.2%	+ 7.0%	+ 7.0%

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

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

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

STATE	(1) BAILEY FORMULA RELATIV	(2) CREDIBILITY Z	(3) Z-WTD RELATIV	(4) BALANCED RELATIV.	(5) INDICATED ** MONOLINE CHG.	(6) SELECTED MONOLINE CHG.
	2.002	0.233	1.176	1.177		
	1.227	0.389	1.083	1.084		
	1.165	0.453	1.071	1.072		
	1.172	0.356	1.058	1.059		
	1.202	0.253	1.048	1.049		
	1.070	0.618	1.043	1.044		
	1.204	0.212	1.040	1.041		
	1.108	0.366	1.038	1.039		
	1.350	0.112	1.034	1.035		
	1.265	0.136	1.033	1.034		
	1.211	0.158	1.031	1.032		
	1.172	0.187	1.030	1.031		
	1.085	0.361	1.030	1.031		
	1.131	0.234	1.029	1.030		
	1.115	0.256	1.028	1.029		
	1.065	0.429	1.028	1.029		
	1.140	0.182	1.024	1.025		
	1.104	0.243	1.024	1.025		
	1.190	0.130	1.023	1.024		
	1.024	0.365	1.009	1.010		
	1.030	0.310	1.009	1.010		
	1.057	0.148	1.008	1.009		
	1.014	0.557	1.008	1.009		
	1.020	0.391	1.008	1.009		
	1.015	0.251	1.004	1.005		
	0.996	0.453	0.998	0.999		
	0.899	0.095	0.990	0.991		
	0.980	0.489	0.990	0.991		
	0.976	0.455	0.989	0.990		
	0.930	0.183	0.987	0.988		
	0.958	0.334	0.986	0.987		
	0.886	0.134	0.984	0.985		
	0.907	0.222	0.979	0.980		
	0.955	0.471	0.979	0.980		
	0.921	0.285	0.977	0.978		
Missouri	0.926	0.299	0.977	0.978	7.0%	7.0%
	0.929	0.313	0.977	0.978		
	0.839	0.164	0.972	0.973		
	0.833	0.156	0.972	0.973		
	0.921	0.378	0.969	0.970		
	0.538	0.066	0.960	0.961		
	0.793	0.215	0.951	0.952		
	0.891	0.451	0.949	0.950		
	0.902	0.570	0.943	0.944		
	0.852	0.416	0.936	0.937		
	0.464	0.087	0.935	0.936		
	0.683	0.179	0.934	0.935		
	0.776	0.288	0.930	0.930		
	0.619	0.154	0.929	0.930		
	0.773	0.304	0.925	0.925		
	0.843	0.553	0.910	0.911		
	0.558	0.170	0.906	0.907		

* Sorted by balanced relative change.

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

MISSOURI
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

		(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$10,657	\$91,979	1.506	1.311	11	0.920
	02 RET.STRS-NTFD/DRG	26,273	82,402	0.493	0.429	1	0.993
	11 COMP. OPS. (LOW)	52,288	209,011	0.054	0.047	3	0.985
	12 COMP. OPS. (MED)	1,337,767	6,790,769	0.582	0.506	82	0.965
	13 COMP. OPS. (HGH)	126,641	688,592	0.815	0.709	5	0.913
	TOTAL *	\$1,553,626	\$7,862,753	0.588		102	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$61,546	\$286,032	1.762	1.533	52	0.913
	02 RET.STRS-NTFD/DRG	34,595	165,049	1.657	1.442	18	0.985
	12 COMP. OPS. (MED)	9,912	38,452	0.578	0.503	1	0.957
	TOTAL *	\$106,053	\$489,533	1.617		71	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$10,870	\$45,312	3.061	2.664	4	0.910
	02 RET.STRS-NTFD/DRG	133,918	564,807	2.101	1.829	49	0.982
	11 COMP. OPS. (LOW)	13,549	63,529	1.342	1.168	8	0.975
	12 COMP. OPS. (MED)	62,753	322,296	2.232	1.942	9	0.955
	13 COMP. OPS. (HGH)	9,597	48,614	0.000	0.000	0	0.903
	TOTAL *	\$230,687	\$1,044,558	2.050		70	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$943	\$3,364	0.000	0.000	0	0.946
	11 COMP. OPS. (LOW)	237	1,364	6.284	5.468	1	1.013
	12 COMP. OPS. (MED)	31,788	149,973	3.969	3.453	4	0.992
	13 COMP. OPS. (HGH)	1	2	0.000	0.000	0	0.939
	TOTAL *	\$32,969	\$154,703	3.872		5	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$135,238	\$615,590	0.860	0.749	9	1.021
	12 COMP. OPS. (MED)	1,952,797	9,111,017	1.119	0.973	219	1.000
	13 COMP. OPS. (HGH)	227,262	956,079	2.281	1.985	18	0.947
	TOTAL *	\$2,315,297	\$10,682,686	1.218		246	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$84,016	\$426,687	1.878		67	
	02 RET.STRS-NTFD/DRG	194,786	812,258	1.806		68	
	11 COMP. OPS. (LOW)	201,312	889,494	0.690		21	
	12 COMP. OPS. (MED)	3,395,017	16,412,507	0.953		315	
	13 COMP. OPS. (HGH)	363,501	1,693,287	1.710		23	
	TOTAL *	\$4,238,632	\$20,234,233	1.063		494	

* 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) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$2,151,747	\$9,207,997	0.954		570	
	02 RET.STRS-NTFD/DRG	2,295,068	11,448,808	1.305		473	
	11 COMP. OPS. (LOW)	3,892,639	18,163,511	1.628		651	
	12 COMP. OPS. (MED)	83,135,280	371,618,514	1.130		5,859	
	13 COMP. OPS. (HGH)	7,417,394	33,727,804	0.856		270	
	TOTAL *	\$98,892,128	\$444,166,634	1.129		7,823	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$7,352,885	\$34,702,053	1.022		3,165	
	02 RET.STRS-NTFD/DRG	4,646,377	21,875,704	1.065		619	
	12 COMP. OPS. (MED)	2,019,660	9,688,586	1.284		128	
	TOTAL *	\$14,018,922	\$66,266,343	1.074		3,912	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$731,049	\$3,411,977	1.191		192	
	02 RET.STRS-NTFD/DRG	11,441,919	45,533,065	1.209		2,628	
	11 COMP. OPS. (LOW)	3,036,648	13,947,197	1.001		463	
	12 COMP. OPS. (MED)	3,960,968	19,706,711	1.159		722	
	13 COMP. OPS. (HGH)	1,087,876	5,580,338	0.595		73	
	TOTAL *	\$20,258,460	\$88,179,288	1.134		4,078	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$9,799	\$70,370	0.699		1	
	11 COMP. OPS. (LOW)	114,111	543,328	0.930		18	
	12 COMP. OPS. (MED)	3,276,550	16,096,832	1.264		263	
	13 COMP. OPS. (HGH)	46,427	271,366	0.786		0	
	TOTAL *	\$3,446,887	\$16,981,896	1.245		282	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$8,262,574	\$39,057,672	1.157		683	
	12 COMP. OPS. (MED)	143,843,747	687,120,222	1.178		12,596	
	13 COMP. OPS. (HGH)	13,690,731	64,062,049	1.058		709	
	TOTAL *	\$165,797,052	\$790,239,943	1.167		13,988	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$10,245,480	\$47,392,397	1.020		3,928	
	02 RET.STRS-NTFD/DRG	18,383,364	78,857,577	1.185		3,720	
	11 COMP. OPS. (LOW)	15,305,972	71,711,708	1.244		1,815	
	12 COMP. OPS. (MED)	236,236,205	1,104,230,865	1.163		19,568	
	13 COMP. OPS. (HGH)	22,242,428	103,641,557	0.967		1,052	
	TOTAL *	\$302,413,449	\$1,405,834,104	1.149		30,083	

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

SECTION E

SUPPORTING MATERIAL -- PREMISES/OPERATIONS

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	12/31/2016	\$5,400,644		1.000		1.118				\$6,037,920
	12/31/2017	6,010,425		1.000		1.091				6,557,374
	12/31/2018	6,251,239		1.020		1.057				6,739,711
MULTILINE	12/31/2016	\$7,465,454		1.000		1.112		0.993		\$8,243,474
	12/31/2017	8,044,350		1.000		1.087		0.993		8,682,999
	12/31/2018	8,313,267		1.020		1.056		0.993		8,891,705
TOTAL	12/31/2016									\$14,281,394
	12/31/2017									15,240,373
	12/31/2018									15,631,416

+ 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 07/01/2020 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION 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.

MISSOURI
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$2,178,781		1.134		1.085		1.246		1.000		\$3,340,215
		12/31/2017	1,741,840		1.302		1.085		1.193		1.000		2,935,550
		12/31/2018	1,681,780		1.938		1.085		1.141		1.000		4,034,952
BI	ALAE	12/31/2016	\$1,253,488				1.085		1.246		1.000		\$1,694,603
		12/31/2017	2,725,832				1.085		1.193		1.000		3,528,331
		12/31/2018	2,162,092				1.085		1.141		1.000		2,676,637
PD	B/L INDEMNITY	12/31/2016	\$3,035,854		1.052		1.085		1.246		1.000		\$4,317,620
		12/31/2017	3,417,891		1.063		1.085		1.193		1.000		4,702,856
		12/31/2018	3,010,878		1.175		1.085		1.141		1.000		4,379,721
PD	ALAE	12/31/2016	\$804,602				1.085		1.246		1.000		\$1,087,750
		12/31/2017	1,126,695				1.085		1.193		1.000		1,458,400
		12/31/2018	1,025,189				1.085		1.141		1.000		1,269,169
MED PAY#	B/L INDEMNITY	12/31/2016	\$83,962				1.085		1.246		1.000		\$113,509
		12/31/2017	79,318				1.085		1.193		1.000		102,670
		12/31/2018	107,422				1.085		1.141		1.000		132,987
FRINGE	B/L INDEMNITY	12/31/2016	\$284,695		1.044		1.085		1.000		1.000		\$322,485
		12/31/2017	414,752		1.147		1.085		1.000		1.000		516,157
		12/31/2018	140,257		1.514		1.085		1.000		1.000		230,399
FRINGE	ALAE	12/31/2016	\$375,747				1.085		1.000		1.000		\$407,686
		12/31/2017	449,649				1.085		1.000		1.000		487,869
		12/31/2018	250,603				1.085		1.000		1.000		271,904
	TOTAL FULL COVERAGE	12/31/2016											\$11,283,867
		12/31/2017											13,731,831
		12/31/2018											12,995,768

* 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.

MISSOURI
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$74,239		1.178		1.085		1.246		1.000		\$118,229
		12/31/2017	368,742		1.563		1.085		1.193		1.000		746,022
		12/31/2018	250,672		2.536		1.085		1.141		1.000		786,992
BI	ALAE	12/31/2016	\$20,714				1.085		1.246		1.000		\$28,003
		12/31/2017	203,619				1.085		1.193		1.000		263,565
		12/31/2018	335,969				1.085		1.141		1.000		415,925
PD	B/L INDEMNITY	12/31/2016	\$470,204		1.040		1.085		1.246		1.000		\$661,100
		12/31/2017	398,845		1.082		1.085		1.193		1.000		558,601
		12/31/2018	674,721		1.219		1.085		1.141		1.000		1,018,224
PD	ALAE	12/31/2016	\$115,351				1.085		1.246		1.000		\$155,944
		12/31/2017	98,620				1.085		1.193		1.000		127,654
		12/31/2018	314,960				1.085		1.141		1.000		389,916
MED PAY#	B/L INDEMNITY	12/31/2016	\$6,651				1.085		1.246		1.000		\$8,992
		12/31/2017	1,650				1.085		1.193		1.000		2,136
		12/31/2018	5,251				1.085		1.141		1.000		6,501
	TOTAL DED COVERAGE	12/31/2016											\$972,269
		12/31/2017											1,697,979
		12/31/2018											2,617,557
	TOTAL	12/31/2016											\$12,256,136
		12/31/2017											15,429,810
		12/31/2018											15,613,326

* 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.

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	12/31/2016	\$5,687,800		1.000		1.019				\$5,795,868
	12/31/2017	6,116,865		1.000		1.015				6,208,618
	12/31/2018	5,493,832		1.003		1.010				5,565,417
MULTILINE	12/31/2016	\$11,876,051		1.000		1.022		0.911		\$11,057,102
	12/31/2017	12,208,707		1.000		1.019		0.911		11,333,453
	12/31/2018	12,602,591		1.003		1.014		0.913		11,702,254
TOTAL	12/31/2016									\$16,852,970
	12/31/2017									17,542,071
	12/31/2018									17,267,671

+ 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 07/01/2020 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION 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.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$6,673,638		1.012		1.085		1.217		0.975		\$8,694,970
		12/31/2017	6,354,078		1.105		1.085		1.170		0.980		8,734,871
		12/31/2018	6,154,813		1.336		1.085		1.125		0.985		9,886,437
BI	ALAE	12/31/2016	\$3,030,250				1.085		1.217		0.975		\$3,901,246
		12/31/2017	3,543,305				1.085		1.170		0.980		4,408,088
		12/31/2018	3,452,320				1.085		1.125		0.985		4,150,778
PD	B/L INDEMNITY	12/31/2016	\$639,975		1.121		1.085		1.276		0.975		\$968,397
		12/31/2017	715,095		1.235		1.085		1.216		0.980		1,141,879
		12/31/2018	815,749		1.379		1.085		1.158		0.985		1,392,180
PD	ALAE	12/31/2016	\$420,567				1.085		1.276		0.975		\$567,702
		12/31/2017	728,268				1.085		1.216		0.980		941,631
		12/31/2018	585,235				1.085		1.158		0.985		724,277
MED PAY#	B/L INDEMNITY	12/31/2016	\$871,176				1.085		1.217		0.975		\$1,121,581
		12/31/2017	785,908				1.085		1.170		0.980		977,718
		12/31/2018	1,072,205				1.085		1.125		0.985		1,289,129
FRINGE	B/L INDEMNITY	12/31/2016	\$379,419		1.073		1.085		1.051		0.975		\$452,643
		12/31/2017	70,401		1.260		1.085		1.041		0.980		98,187
		12/31/2018	172,325		1.626		1.085		1.030		0.985		308,441
FRINGE	ALAE	12/31/2016	\$531,599				1.085		1.051		0.975		\$591,046
		12/31/2017	479,860				1.085		1.041		0.980		531,155
		12/31/2018	421,749				1.085		1.030		0.985		464,256
	TOTAL FULL COVERAGE	12/31/2016											\$16,297,586
		12/31/2017											16,833,528
		12/31/2018											18,215,498

* 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.

MISSOURI
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	12/31/2016	\$209,272	1.031	1.085	1.217	0.975		\$277,776
		12/31/2017	481,100	1.210	1.085	1.170	0.980		724,206
		12/31/2018	184,918	1.723	1.085	1.125	0.985		383,074
BI	ALAE	12/31/2016	\$175,637		1.085	1.217	0.975		\$226,121
		12/31/2017	266,513		1.085	1.170	0.980		331,558
		12/31/2018	77,365		1.085	1.125	0.985		93,017
PD	B/L INDEMNITY	12/31/2016	\$201,963	1.057	1.085	1.276	0.975		\$288,159
		12/31/2017	111,067	1.122	1.085	1.216	0.980		161,127
		12/31/2018	18,646	1.235	1.085	1.158	0.985		28,499
PD	ALAE	12/31/2016	\$122,147		1.085	1.276	0.975		\$164,880
		12/31/2017	259,339		1.085	1.216	0.980		335,318
		12/31/2018	11,169		1.085	1.158	0.985		13,823
MED PAY#	B/L INDEMNITY	12/31/2016	\$29,002		1.085	1.217	0.975		\$37,338
		12/31/2017	23,311		1.085	1.170	0.980		29,000
		12/31/2018	21,616		1.085	1.125	0.985		25,989
	TOTAL DED COVERAGE	12/31/2016							\$994,274
		12/31/2017							1,581,210
		12/31/2018							544,402
	TOTAL	12/31/2016							\$17,291,860
		12/31/2017							18,414,738
		12/31/2018							18,759,900

* 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.

MISSOURI
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	0.876
34	Mercantile Policy	0.999
35	Institutional Policy	0.806
36	Service Policy	0.993
37	Industrial/Processing Policy	1.039
38	Contractors Policy	0.993

- (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.

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

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Motel/Hotel Policy	0.958
32	Apartment House Policy	1.000
33	Office Policy	0.842
34	Mercantile Policy	0.901
35	Institutional Policy	0.971
36	Service Policy	0.937
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.

MISSOURI

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	1.024	1.019	0.8058	1.020	14,000,000
27 to 39 Months	1.000	1.000	0.5833	1.000	40,000,000
Accident Year Ending	Exposure Development From				
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
12/31/2016			1.000		1.000
12/31/2017		1.000	1.000		1.000
12/31/2018	1.020	1.000	1.000		1.020

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

MISSOURI

PREMISES/OPERATIONS
OWNERS LANDLORDS AND TENANTS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.002	1.003	0.6637	1.003	40,000,000
27 to 39 Months	1.000	1.000	0.3781	1.000	125,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From		<u>39:27</u>	<u>ULT:39</u>
12/31/2016			1.000		Factor
12/31/2017		1.000	1.000		1.000
12/31/2018	1.003	1.000	1.000		1.003

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

MISSOURI
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>
12/31/2011	15,507,743	15,604,596	15,571,816	15,571,748	15,571,857	15,571,848	15,571,851	15,575,734
12/31/2012	15,610,677	15,831,728	15,846,059	15,847,179	15,836,587	15,848,069	15,850,276	
12/31/2013	16,705,316	16,869,165	16,864,481	16,872,120	16,872,004	16,872,320		
12/31/2014	17,442,798	17,722,062	17,705,985	17,788,343	17,794,565			
12/31/2015	18,280,994	18,755,796	18,756,444	18,756,226				
12/31/2016	19,170,949	19,515,163	19,610,177					
12/31/2017	20,632,739	21,104,111						
12/31/2018	21,671,568							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2011	1.006	0.998	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.014	1.001	1.000	0.999	1.001	1.000	
12/31/2013	1.010	1.000	1.000	1.000	1.000		
12/31/2014	1.016	0.999	1.005	1.000			
12/31/2015	1.026	1.000	1.000				
12/31/2016	1.018	1.005					
12/31/2017	1.023						
12/31/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.019	1.000

MISSOURI
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>
12/31/2011	21,092,487	21,210,962	21,208,157	21,208,275	21,208,106	21,208,208	21,208,208	21,208,208
12/31/2012	21,208,220	21,444,925	21,448,134	21,454,008	21,432,563	21,453,969	21,453,969	
12/31/2013	22,935,696	23,013,714	23,017,858	22,972,098	23,055,175	23,055,175		
12/31/2014	24,111,024	24,119,175	24,071,870	24,130,350	24,129,049			
12/31/2015	25,424,314	25,402,762	25,463,969	25,285,721				
12/31/2016	26,291,491	26,469,126	26,433,587					
12/31/2017	27,210,870	27,341,801						
12/31/2018	27,587,053							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2011	1.006	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.011	1.000	1.000	0.999	1.001	1.000	
12/31/2013	1.003	1.000	0.998	1.004	1.000		
12/31/2014	1.000	0.998	1.002	1.000			
12/31/2015	0.999	1.002	0.993				
12/31/2016	1.007	0.999					
12/31/2017	1.005						
12/31/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.003	1.000

MULTISTATE
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2011	1,177,835,008	1,199,229,589	1,198,808,926	1,198,786,675	1,198,552,912	1,198,435,461	1,198,493,465	1,198,496,790
12/31/2012	1,214,713,068	1,238,518,865	1,238,423,055	1,237,867,305	1,238,617,050	1,238,875,866	1,238,841,028	
12/31/2013	1,253,683,196	1,279,683,230	1,277,324,916	1,277,911,956	1,278,409,480	1,278,207,540		
12/31/2014	1,287,077,360	1,329,185,429	1,328,479,234	1,328,916,142	1,328,593,779			
12/31/2015	1,322,767,935	1,351,148,392	1,350,945,281	1,350,786,130				
12/31/2016	1,333,787,906	1,366,616,174	1,367,332,567					
12/31/2017	1,402,097,720	1,437,587,407						
12/31/2018	1,467,155,468							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2011	1.018	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.020	1.000	1.000	1.001	1.000	1.000	
12/31/2013	1.021	0.998	1.000	1.000	1.000		
12/31/2014	1.033	0.999	1.000	1.000			
12/31/2015	1.021	1.000	1.000				
12/31/2016	1.025	1.001					
12/31/2017	1.025						
12/31/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.024	1.000

MULTISTATE
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2011	1,347,030,840	1,355,415,817	1,355,395,570	1,355,349,478	1,355,331,712	1,355,352,454	1,355,509,895	1,355,512,043
12/31/2012	1,363,429,408	1,378,335,805	1,378,528,859	1,378,126,105	1,377,880,466	1,377,942,318	1,377,940,610	
12/31/2013	1,410,550,198	1,415,730,233	1,413,796,805	1,413,538,634	1,414,380,382	1,414,370,566		
12/31/2014	1,471,503,789	1,471,904,379	1,471,861,875	1,472,573,695	1,472,428,879			
12/31/2015	1,569,115,127	1,572,278,769	1,572,690,655	1,572,174,028				
12/31/2016	1,652,003,837	1,656,582,528	1,655,871,242					
12/31/2017	1,712,167,400	1,715,008,320						
12/31/2018	1,751,522,746							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2011	1.006	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.011	1.000	1.000	1.000	1.000	1.000	
12/31/2013	1.004	0.999	1.000	1.001	1.000		
12/31/2014	1.000	1.000	1.000	1.000			
12/31/2015	1.002	1.000	1.000				
12/31/2016	1.003	1.000					
12/31/2017	1.002						
12/31/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.002	1.000

LOSS DEVELOPMENT DATA TABLE OF CONTENTS

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MISSOURI

Premises/Operations

Manufacturers & Contractors

Bodily Injury

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.590	1.451	0.7301	1.489	1,400,000
27 to 39 Months	1.295	1.098	0.7472	1.148	1,600,000
39 to 51 Months	1.075	1.093	0.7347	1.088	1,800,000
51 to 63 Months	1.010	1.046	0.7465	1.037	2,200,000
63 to 75 Months	0.993	1.013	0.7536	1.008	2,500,000
75 to 87 Months	1.000	0.994	0.7342	0.996	2,900,000
87 to 99 Months	0.999	0.981	0.6936	0.987	3,400,000
99 to 111 Months	1.000	1.006	0.6077	1.004	3,900,000
111 to 123 Months	0.997	1.005	0.5397	1.001	4,500,000
123 to 135 Months	1.001	1.000	0.4795	1.001	5,200,000
135 to 147 Months	1.000	1.000	0.4287	1.000	6,000,000
147 to 159 Months	1.001	1.000	0.3485	1.001	7,000,000
159 to 171 Months	1.000	1.000	0.3265	1.000	8,200,000
171 to 183 Months	0.999	1.000	0.3246	0.999	9,500,000
183 to 195 Months	1.000	1.000	0.3280	1.000	11,000,000
195 to 207 Months	1.001	1.000	0.3586	1.001	12,800,000
207 to 219 Months	1.001	1.000	0.3652	1.001	14,900,000
219 to 231 Months	1.001	1.000	0.2808	1.001	17,300,000
231 to 243 Months	1.001	1.000	0.1353	1.001	20,200,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year		Loss Development From									
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			1.088	1.037	1.008	0.996	0.987	1.004	1.001	1.001	1.000
12/31/2017		1.148	1.088	1.037	1.008	0.996	0.987	1.004	1.001	1.001	1.000
12/31/2018	1.489	1.148	1.088	1.037	1.008	0.996	0.987	1.004	1.001	1.001	1.000

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

MISSOURI

Premises/Operations

Manufacturers & Contractors
Bodily Injury
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0704	0.0717	0.7301	0.0713	1,400,000
27 to 39 Months	0.0984	0.0774	0.7472	0.0827	1,600,000
39 to 51 Months	0.0841	0.0471	0.7347	0.0569	1,800,000
51 to 63 Months	0.0495	0.0373	0.7465	0.0404	2,200,000
63 to 75 Months	0.0239	0.0371	0.7536	0.0339	2,500,000
75 to 87 Months	0.0177	0.0143	0.7342	0.0152	2,900,000
87 to 99 Months	0.0066	0.0119	0.6936	0.0103	3,400,000
99 to 111 Months	0.0033	0.0068	0.6077	0.0054	3,900,000
111 to 123 Months	0.0014	0.0045	0.5397	0.0031	4,500,000
123 to 135 Months	0.0007	0.0000	0.4795	0.0004	5,200,000
135 to 147 Months	0.0004	0.0000	0.4287	0.0002	6,000,000
147 to 159 Months	0.0022	0.0000	0.3485	0.0014	7,000,000
159 to 171 Months	0.0006	0.0000	0.3265	0.0004	8,200,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.322	0.250	0.168	0.111	0.070	0.036	0.021
<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>
	0.011	0.005	0.002	0.002	0.002	0.000	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	574,609	4,040,948	0.168	678,879	1,253,488
12/31/2017	1,303,150	5,690,714	0.250	1,422,682	2,725,832
12/31/2018	84,026	6,453,612	0.322	2,078,066	2,162,092

Deductible Coverage

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	5,759	89,013	0.168	14,955	20,714
12/31/2017	70,132	533,939	0.250	133,487	203,619
12/31/2018	32,645	941,992	0.322	303,324	335,969

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

MISSOURI

Premises/Operations

Manufacturers & Contractors

Property Damage

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.117	1.100	0.7187	1.105	3,100,000
27 to 39 Months	1.042	0.999	0.7235	1.011	3,200,000
39 to 51 Months	1.021	1.031	0.6980	1.028	3,300,000
51 to 63 Months	1.007	0.985	0.7058	0.991	3,400,000
63 to 75 Months	1.004	1.025	0.7098	1.019	3,500,000
75 to 87 Months	1.009	0.999	0.7233	1.002	3,600,000
87 to 99 Months	1.006	1.004	0.7062	1.005	3,700,000
99 to 111 Months	1.005	1.004	0.6726	1.004	3,800,000
111 to 123 Months	1.006	1.000	0.6857	1.002	3,900,000
123 to 135 Months	1.002	0.986	0.6711	0.991	4,000,000
135 to 147 Months	1.002	1.000	0.6524	1.001	4,200,000
147 to 159 Months	1.003	1.000	0.5945	1.001	4,300,000
159 to 171 Months	1.002	1.000	0.5683	1.001	4,400,000
171 to 183 Months	1.001	1.000	0.5754	1.000	4,500,000
183 to 195 Months	1.001	1.000	0.5893	1.000	4,600,000
195 to 207 Months	1.001	1.000	0.6090	1.000	4,800,000
207 to 219 Months	1.001	1.000	0.5875	1.000	4,900,000
219 to 231 Months	1.001	1.000	0.4639	1.001	5,000,000
231 to 243 Months	1.001	1.000	0.2399	1.001	5,100,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			1.028	0.991	1.019	1.002	1.005	1.004	1.002	0.991	1.001
12/31/2017		1.011	1.028	0.991	1.019	1.002	1.005	1.004	1.002	0.991	1.001
12/31/2018	1.105	1.011	1.028	0.991	1.019	1.002	1.005	1.004	1.002	0.991	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2016	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.052
12/31/2017	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.063
12/31/2018	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.175

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

MISSOURI

Premises/Operations

Manufacturers & Contractors
Property Damage
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0431	0.0309	0.7187	0.0343	3,100,000
27 to 39 Months	0.0444	0.0412	0.7235	0.0421	3,200,000
39 to 51 Months	0.0473	0.0314	0.6980	0.0362	3,300,000
51 to 63 Months	0.0292	0.0289	0.7058	0.0290	3,400,000
63 to 75 Months	0.0187	0.0115	0.7098	0.0136	3,500,000
75 to 87 Months	0.0086	0.0034	0.7233	0.0048	3,600,000
87 to 99 Months	0.0097	0.0028	0.7062	0.0048	3,700,000
99 to 111 Months	0.0090	0.0032	0.6726	0.0051	3,800,000
111 to 123 Months	0.0090	0.0026	0.6857	0.0046	3,900,000
123 to 135 Months	0.0052	0.0081	0.6711	0.0071	4,000,000
135 to 147 Months	0.0032	0.0017	0.6524	0.0022	4,200,000
147 to 159 Months	0.0049	0.0046	0.5945	0.0047	4,300,000
159 to 171 Months	0.0042	0.0001	0.5683	0.0019	4,400,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.191	0.156	0.114	0.078	0.049	0.035	0.031
<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	0.021	0.016	0.009	0.007	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	386,296	3,669,343	0.114	418,306	804,602
12/31/2017	374,287	4,823,142	0.156	752,408	1,126,695
12/31/2018	123,755	4,719,547	0.191	901,434	1,025,189

Deductible Coverage

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	50,573	568,218	0.114	64,778	115,351
12/31/2017	28,310	450,695	0.156	70,310	98,620
12/31/2018	15,588	1,567,390	0.191	299,372	314,960

(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)}}

MISSOURI

Premises/Operations

Manufacturers & Contractors

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.2167
27 to 39 Months	0.1765
39 to 51 Months	0.1576
51 to 63 Months	0.1204
63 to 75 Months	0.0611
75 to 87 Months	0.0480
87 to 99 Months	0.0137
99 to 111 Months	0.0151
111 to 123 Months	0.0045
123 to 135 Months	0.0020
135 to 147 Months	0.0007
147 to 159 Months	0.0010
159 to 171 Months	0.0005
171 to Ultimate	A multistate ratio of 0.0000 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.818	0.601	0.425	0.267	0.147	0.085	0.037

<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>
	0.024	0.009	0.004	0.002	0.001	0.001	0.000

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	176,447	468,943	0.425	199,300	375,747
12/31/2017	26,975	703,285	0.601	422,674	449,649
12/31/2018	3,702	301,833	0.818	246,901	250,603

(A) See Section E - Multistate Loss Development.

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

MISSOURI

Premises/Operations

Owners, Landlords & Tenants

Bodily Injury

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.364	1.190	0.8925	1.209	1,700,000
27 to 39 Months	1.161	1.083	0.8855	1.092	2,200,000
39 to 51 Months	1.034	1.001	0.8831	1.005	2,800,000
51 to 63 Months	0.994	1.005	0.8550	1.003	3,500,000
63 to 75 Months	0.993	1.007	0.8222	1.005	4,500,000
75 to 87 Months	0.993	1.003	0.7841	1.001	5,800,000
87 to 99 Months	0.997	0.989	0.7441	0.991	7,400,000
99 to 111 Months	0.998	1.005	0.6868	1.003	9,400,000
111 to 123 Months	0.999	0.997	0.6177	0.998	12,200,000
123 to 135 Months	1.000	1.010	0.5411	1.005	15,700,000
135 to 147 Months	1.000	1.000	0.4350	1.000	20,300,000
147 to 159 Months	1.000	1.000	0.3600	1.000	26,200,000
159 to 171 Months	1.000	1.000	0.3121	1.000	33,900,000
171 to 183 Months	1.000	1.002	0.2565	1.001	44,000,000
183 to 195 Months	1.000	1.000	0.2064	1.000	57,200,000
195 to 207 Months	1.000	1.000	0.1644	1.000	74,500,000
207 to 219 Months	1.000	1.000	0.1420	1.000	97,100,000
219 to 231 Months	1.000	1.000	0.0787	1.000	126,800,000
231 to 243 Months	1.000	1.000	0.0319	1.000	166,000,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			1.005	1.003	1.005	1.001	0.991	1.003	0.998	1.005	1.000
12/31/2017		1.092	1.005	1.003	1.005	1.001	0.991	1.003	0.998	1.005	1.000
12/31/2018	1.209	1.092	1.005	1.003	1.005	1.001	0.991	1.003	0.998	1.005	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>
12/31/2016	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.012
12/31/2017	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.105
12/31/2018	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.336

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

MISSOURI

Premises/Operations

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

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0687	0.0616	0.8925	0.0624	1,700,000
27 to 39 Months	0.0827	0.0618	0.8855	0.0642	2,200,000
39 to 51 Months	0.0582	0.0487	0.8831	0.0498	2,800,000
51 to 63 Months	0.0281	0.0283	0.8550	0.0283	3,500,000
63 to 75 Months	0.0114	0.0285	0.8222	0.0255	4,500,000
75 to 87 Months	0.0076	0.0023	0.7841	0.0034	5,800,000
87 to 99 Months	0.0039	0.0015	0.7441	0.0021	7,400,000
99 to 111 Months	0.0022	0.0064	0.6868	0.0051	9,400,000
111 to 123 Months	0.0019	0.0007	0.6177	0.0012	12,200,000
123 to 135 Months	0.0013	0.0078	0.5411	0.0048	15,700,000
135 to 147 Months	0.0011	0.0000	0.4350	0.0006	20,300,000
147 to 159 Months	0.0011	0.0000	0.3600	0.0007	26,200,000
159 to 171 Months	0.0012	0.0000	0.3121	0.0009	33,900,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.249	0.187	0.122	0.073	0.044	0.019	0.015
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.013	0.008	0.007	0.002	0.002	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	1,800,552	10,079,492	0.122	1,229,698	3,030,250
12/31/2017	1,330,200	11,834,790	0.187	2,213,105	3,543,305
12/31/2018	501,773	11,849,570	0.249	2,950,547	3,452,320

Deductible Coverage

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	101,953	603,967	0.122	73,684	175,637
12/31/2017	76,398	1,016,657	0.187	190,115	266,513
12/31/2018	2,035	302,526	0.249	75,330	77,365

(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)}}

MISSOURI

Premises/Operations

Owners, Landlords & Tenants

Property Damage

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.134	1.106	0.5900	1.117	1,100,000
27 to 39 Months	1.061	1.129	0.5910	1.101	1,300,000
39 to 51 Months	1.028	1.026	0.5947	1.027	1,400,000
51 to 63 Months	1.008	1.072	0.5622	1.044	1,600,000
63 to 75 Months	1.004	1.013	0.5319	1.009	1,800,000
75 to 87 Months	1.007	1.003	0.5110	1.005	2,100,000
87 to 99 Months	1.010	1.001	0.5134	1.005	2,400,000
99 to 111 Months	1.007	1.000	0.5006	1.003	2,600,000
111 to 123 Months	1.003	1.000	0.4883	1.002	3,000,000
123 to 135 Months	1.001	1.000	0.4727	1.001	3,400,000
135 to 147 Months	1.001	1.000	0.4346	1.001	3,900,000
147 to 159 Months	0.999	1.000	0.3555	0.999	4,400,000
159 to 171 Months	1.001	1.000	0.2793	1.001	5,000,000
171 to 183 Months	1.002	1.000	0.2328	1.002	5,700,000
183 to 195 Months	1.001	1.000	0.2470	1.001	6,400,000
195 to 207 Months	1.002	1.000	0.2253	1.002	7,300,000
207 to 219 Months	1.002	1.000	0.2288	1.002	8,300,000
219 to 231 Months	1.002	1.000	0.1397	1.002	9,400,000
231 to 243 Months	1.002	1.000	0.0721	1.002	10,800,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year		Loss Development From									
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			1.027	1.044	1.009	1.005	1.005	1.003	1.002	1.001	1.001
12/31/2017		1.101	1.027	1.044	1.009	1.005	1.005	1.003	1.002	1.001	1.001
12/31/2018	1.117	1.101	1.027	1.044	1.009	1.005	1.005	1.003	1.002	1.001	1.001
</											

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

MISSOURI

Premises/Operations

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

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0737	0.0680	0.5900	0.0704	1,100,000
27 to 39 Months	0.0901	0.0451	0.5910	0.0635	1,300,000
39 to 51 Months	0.0627	0.0229	0.5947	0.0390	1,400,000
51 to 63 Months	0.0440	0.0256	0.5622	0.0337	1,600,000
63 to 75 Months	0.0371	0.0021	0.5319	0.0185	1,800,000
75 to 87 Months	0.0183	0.0007	0.5110	0.0093	2,100,000
87 to 99 Months	0.0196	0.0058	0.5134	0.0125	2,400,000
99 to 111 Months	0.0182	0.0004	0.5006	0.0093	2,600,000
111 to 123 Months	0.0134	0.0021	0.4883	0.0079	3,000,000
123 to 135 Months	0.0086	0.0000	0.4727	0.0045	3,400,000
135 to 147 Months	0.0049	0.0000	0.4346	0.0027	3,900,000
147 to 159 Months	0.0013	0.0000	0.3555	0.0008	4,400,000
159 to 171 Months	0.0017	0.0000	0.2793	0.0012	5,000,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.273	0.203	0.139	0.100	0.067	0.048	0.039
<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	0.017	0.009	0.005	0.002	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	308,455	806,579	0.139	112,112	420,567
12/31/2017	432,414	1,457,411	0.203	295,854	728,268
12/31/2018	176,243	1,498,149	0.273	408,992	585,235

Deductible Coverage

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	64,699	413,294	0.139	57,448	122,147
12/31/2017	113,264	719,582	0.203	146,075	259,339
12/31/2018	3,014	29,871	0.273	8,155	11,169

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

MISSOURI

Premises/Operations

Owners, Landlords & Tenants

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.1882
27 to 39 Months	0.2082
39 to 51 Months	0.1975
51 to 63 Months	0.1467
63 to 75 Months	0.0700
75 to 87 Months	0.0448
87 to 99 Months	0.0367
99 to 111 Months	0.0117
111 to 123 Months	0.0064
123 to 135 Months	0.0025
135 to 147 Months	0.0022
147 to 159 Months	0.0030
159 to 171 Months	0.0032
171 to Ultimate	A multistate ratio of 0.0000 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.921	0.733	0.525	0.327	0.180	0.111	0.066
<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>
	0.029	0.017	0.011	0.008	0.006	0.003	0.000

A.Y.E.	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2016	81,502	857,327	0.525	450,097	531,599
12/31/2017	396,571	113,628	0.733	83,289	479,860
12/31/2018	52,430	401,000	0.921	369,319	421,749

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	907,988	1,692,953	1,974,278	2,515,897	2,808,113	3,104,197	3,093,736	3,161,236	3,161,236	3,163,747	3,161,236
12/31/2000	1,303,368	2,099,385	3,393,637	3,418,533	3,369,444	3,482,354	3,653,678	3,571,315	3,584,752	3,594,707	3,622,438
12/31/2001	907,967	1,472,667	1,866,472	1,966,892	2,033,141	2,025,666	1,836,277	1,835,408	1,872,099	1,894,632	1,885,005
12/31/2002	1,208,673	1,844,653	1,888,224	2,225,769	2,174,712	2,028,162	1,857,819	1,829,274	1,797,001	1,772,001	1,744,274
12/31/2003	1,072,410	1,120,404	1,991,394	2,028,585	1,780,868	1,810,012	1,842,312	1,795,039	1,835,039	1,806,312	1,806,312
12/31/2004	708,705	1,346,494	1,359,610	1,535,390	1,408,275	1,207,404	1,048,193	1,043,193	1,015,466	1,015,466	1,015,466
12/31/2005	641,642	835,877	1,079,927	1,141,336	1,309,967	1,205,652	1,170,385	1,135,514	1,135,514	1,153,014	1,153,014
12/31/2006	864,609	1,330,618	1,669,134	1,716,546	1,507,026	1,456,294	1,444,828	1,433,455	1,637,111	1,668,282	1,658,282
12/31/2007	1,071,922	1,546,009	1,510,393	1,555,075	1,589,690	1,650,239	1,695,181	1,663,890	1,691,640	1,691,640	1,691,640
12/31/2008	980,619	1,108,037	1,148,880	1,442,448	1,629,322	1,718,546	1,712,812	1,541,322	1,441,322	1,430,143	1,430,143
12/31/2009	1,177,730	1,467,074	1,739,671	1,857,562	1,946,789	2,084,650	2,127,970	2,179,872	2,143,872	2,143,872	
12/31/2010	1,465,625	2,485,667	2,359,320	2,466,448	2,532,383	2,454,397	2,428,977	2,320,546	2,365,446		
12/31/2011	1,635,526	2,437,485	2,901,718	3,022,007	3,029,859	3,156,357	3,139,861	3,158,858			
12/31/2012	1,342,118	2,151,815	2,407,701	2,374,976	2,451,148	2,399,239	2,287,240				
12/31/2013	1,295,726	1,941,622	1,783,587	2,004,905	2,166,005	2,206,509					
12/31/2014	737,840	1,619,073	1,883,042	2,099,099	2,415,552						
12/31/2015	756,158	1,132,322	1,318,016	1,501,411							
12/31/2016	1,455,976	1,978,771	2,002,106								
12/31/2017	1,574,736	1,593,162									
12/31/2018	1,193,115										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	3,161,236	3,161,236	3,162,236	3,159,432	3,163,282	3,160,878	3,160,878	3,160,878	3,160,878
12/31/2000	3,622,437	3,594,707	3,593,410	3,593,410	3,593,410	3,593,410	3,593,410	3,593,410	
12/31/2001	1,819,286	1,817,524	1,817,524	1,817,524	1,817,524	1,817,524	1,817,524		
12/31/2002	1,744,274	1,744,274	1,744,274	1,744,274	1,744,274	1,744,274			
12/31/2003	1,806,312	1,806,312	1,806,312	1,806,312	1,806,312				
12/31/2004	1,015,466	1,015,466	1,015,466	1,015,466					
12/31/2005	1,153,014	1,153,014	1,153,014						
12/31/2006	1,575,432	1,575,782							
12/31/2007	1,691,640								

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

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1999	1.865	1.166	1.274	1.116	1.105	0.997	1.022	1.000	1.001	0.999	1.000
12/31/2000	1.611	1.616	1.007	0.986	1.034	1.049	0.977	1.004	1.003	1.008	1.000
12/31/2001	1.622	1.267	1.054	1.034	0.996	0.907	1.000	1.020	1.012	0.995	0.965
12/31/2002	1.526	1.024	1.179	0.977	0.933	0.916	0.985	0.982	0.986	0.984	1.000
12/31/2003	1.045	1.777	1.019	0.878	1.016	1.018	0.974	1.022	0.984	1.000	1.000
12/31/2004	1.900	1.010	1.129	0.917	0.857	0.868	0.995	0.973	1.000	1.000	1.000
12/31/2005	1.303	1.292	1.057	1.148	0.920	0.971	1.000	0.970	1.015	1.000	1.000
12/31/2006	1.539	1.254	1.028	0.878	0.966	0.992	0.992	1.142	1.019	0.994	0.950
12/31/2007	1.442	0.977	1.030	1.022	1.038	1.027	0.982	1.017	1.000	1.000	1.000
12/31/2008	1.130	1.037	1.256	1.130	1.055	0.997	0.900	0.935	0.992	1.000	
12/31/2009	1.246	1.186	1.068	1.048	1.071	1.021	1.024	0.983	1.000		
12/31/2010	1.696	0.949	1.045	1.027	0.969	0.990	0.955	1.019			
12/31/2011	1.490	1.190	1.041	1.003	1.042	0.995	1.006				
12/31/2012	1.603	1.119	0.986	1.032	0.979	0.953					
12/31/2013	1.498	0.919	1.124	1.080	1.019						
12/31/2014	2.194	1.163	1.115	1.151							
12/31/2015	1.497	1.164	1.139								
12/31/2016	1.359	1.012									
12/31/2017	1.012										

3 Yr Mean 1.289 1.113 1.126 1.088 1.013 0.979 0.995 0.979 0.997 0.998 0.983

Best 3/5 1.451 1.098 1.093 1.046 1.013 0.994 0.981 1.006 1.005 1.000 1.000

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/1999	1.000	1.000	0.999	1.001	0.999	1.000	1.000	1.000			
12/31/2000	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2001	0.999	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2003	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										

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

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

Development From

A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2014					1.013	0.994	0.981	1.006	1.005	1.000	1.000
12/31/2015				1.046	1.013	0.994	0.981	1.006	1.005	1.000	1.000
12/31/2016			1.093	1.046	1.013	0.994	0.981	1.006	1.005	1.000	1.000
12/31/2017		1.098	1.093	1.046	1.013	0.994	0.981	1.006	1.005	1.000	1.000
12/31/2018	1.451	1.098	1.093	1.046	1.013	0.994	0.981	1.006	1.005	1.000	1.000

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.999
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.045
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.142
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.254
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.819

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MISSOURI
 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>
12/31/1999	192,689	314,251	571,284	925,057	993,709	1,143,267	1,223,462	1,444,433	1,341,577	1,344,608	1,344,608
12/31/2000	218,151	508,657	849,176	946,078	999,630	1,000,571	1,089,792	1,148,726	1,190,251	1,172,647	1,254,408
12/31/2001	98,615	190,226	499,621	813,299	983,848	1,248,917	1,175,376	1,239,282	1,247,632	1,330,124	1,679,465
12/31/2002	158,450	457,456	1,095,922	1,047,198	1,101,116	1,229,412	1,238,185	1,250,786	1,347,005	1,677,219	1,802,233
12/31/2003	69,183	249,219	717,169	1,077,051	1,231,656	1,443,696	1,735,546	1,902,260	2,271,511	2,399,030	2,401,649
12/31/2004	46,946	201,629	466,535	598,531	809,702	739,908	811,591	1,151,816	1,276,830	1,277,063	1,277,063
12/31/2005	45,341	169,523	311,277	581,392	853,139	973,453	1,401,184	1,514,664	1,514,897	1,535,219	1,535,219
12/31/2006	43,823	149,830	389,270	510,908	606,261	737,758	875,185	878,063	919,103	971,169	1,000,078
12/31/2007	97,477	399,110	706,714	991,976	1,099,517	1,205,099	1,348,276	1,435,994	1,441,168	1,441,868	1,441,868
12/31/2008	87,844	202,387	285,978	554,198	646,062	662,010	811,852	690,625	706,162	693,742	693,742
12/31/2009	75,862	385,105	584,388	755,957	1,015,689	1,307,001	1,459,461	1,533,830	1,544,812	1,544,812	
12/31/2010	124,950	955,717	1,299,370	1,806,038	1,939,975	2,192,457	2,215,313	2,289,670	2,346,619		
12/31/2011	245,245	956,044	1,409,914	1,572,432	1,865,469	1,984,627	2,023,734	2,046,573			
12/31/2012	191,167	628,691	790,326	873,373	969,843	984,394	976,719				
12/31/2013	226,080	404,322	717,495	996,419	1,187,788	1,354,633					
12/31/2014	145,255	325,154	632,698	1,207,705	1,369,357						
12/31/2015	162,851	403,012	630,037	780,836							
12/31/2016	66,445	364,840	652,708								
12/31/2017	834,407	1,309,083									
12/31/2018	77,435										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	1,344,608	1,344,608	1,344,608	1,346,412	1,346,414	1,346,412	1,346,412	1,346,412	1,346,412
12/31/2000	1,594,124	1,719,141	1,719,253	1,719,253	1,719,253	1,719,253	1,719,253	1,719,253	
12/31/2001	1,887,471	1,887,418	1,887,418	1,887,418	1,887,418	1,887,418	1,887,418		
12/31/2002	1,802,466	1,802,466	1,802,466	1,802,466	1,802,466	1,802,466			
12/31/2003	2,401,649	2,401,649	2,401,649	2,401,649	2,401,649				
12/31/2004	1,277,063	1,277,063	1,277,063	1,277,063					
12/31/2005	1,535,219	1,535,219	1,535,219						
12/31/2006	1,013,852	1,156,113							
12/31/2007	1,441,868								

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	121,562	257,033	353,773	68,652	149,558	80,195	220,971	-102,856	3,031	0	0	0	0
12/31/2000	290,506	340,519	96,902	53,552	941	89,221	58,934	41,525	-17,604	81,761	339,716	125,017	112
12/31/2001	91,611	309,395	313,678	170,549	265,069	-73,541	63,906	8,350	82,492	349,341	208,006	-53	0
12/31/2002	299,006	638,466	-48,724	53,918	128,296	8,773	12,601	96,219	330,214	125,014	233	0	0
12/31/2003	180,036	467,950	359,882	154,605	212,040	291,850	166,714	369,251	127,519	2,619	0	0	0
12/31/2004	154,683	264,906	131,996	211,171	-69,794	71,683	340,225	125,014	233	0	0	0	0
12/31/2005	124,182	141,754	270,115	271,747	120,314	427,731	113,480	233	20,322	0	0	0	0
12/31/2006	106,007	239,440	121,638	95,353	131,497	137,427	2,878	41,040	52,066	28,909	13,774	142,261	
12/31/2007	301,633	307,604	285,262	107,541	105,582	143,177	87,718	5,174	700	0	0		
12/31/2008	114,543	83,591	268,220	91,864	15,948	149,842	-121,227	15,537	-12,420	0			
12/31/2009	309,243	199,283	171,569	259,732	291,312	152,460	74,369	10,982	0				
12/31/2010	830,767	343,653	506,668	133,937	252,482	22,856	74,357	56,949					
12/31/2011	710,799	453,870	162,518	293,037	119,158	39,107	22,839						
12/31/2012	437,524	161,635	83,047	96,470	14,551	-7,675							
12/31/2013	178,242	313,173	278,924	191,369	166,845								
12/31/2014	179,899	307,544	575,007	161,652									
12/31/2015	240,161	227,025	150,799										
12/31/2016	298,395	287,868											
12/31/2017	474,676												

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0254	0.0537	0.0740	0.0144	0.0313	0.0168	0.0462	-0.0215	0.0006	0.0000	0.0000	0.0000	0.0000
12/31/2000	0.0553	0.0648	0.0184	0.0102	0.0002	0.0170	0.0112	0.0079	-0.0033	0.0156	0.0646	0.0238	0.0000
12/31/2001	0.0310	0.1048	0.1062	0.0578	0.0898	-0.0249	0.0216	0.0028	0.0279	0.1183	0.0705	0.0000	0.0000
12/31/2002	0.1041	0.2222	-0.0170	0.0188	0.0447	0.0031	0.0044	0.0335	0.1149	0.0435	0.0001	0.0000	0.0000
12/31/2003	0.0456	0.1184	0.0911	0.0391	0.0537	0.0739	0.0422	0.0935	0.0323	0.0007	0.0000	0.0000	0.0000
12/31/2004	0.1276	0.2184	0.1088	0.1741	-0.0576	0.0591	0.2806	0.1031	0.0002	0.0000	0.0000	0.0000	0.0000
12/31/2005	0.0808	0.0923	0.1758	0.1769	0.0783	0.2784	0.0739	0.0002	0.0132	0.0000	0.0000	0.0000	0.0000
12/31/2006	0.0349	0.0788	0.0400	0.0314	0.0433	0.0452	0.0009	0.0135	0.0171	0.0095	0.0045	0.0468	
12/31/2007	0.0972	0.0992	0.0920	0.0347	0.0340	0.0462	0.0283	0.0017	0.0002	0.0000	0.0000		
12/31/2008	0.0380	0.0277	0.0889	0.0304	0.0053	0.0496	-0.0402	0.0051	-0.0041	0.0000			
12/31/2009	0.0666	0.0429	0.0369	0.0559	0.0627	0.0328	0.0160	0.0024	0.0000				
12/31/2010	0.1864	0.0771	0.1137	0.0301	0.0566	0.0051	0.0167	0.0128					
12/31/2011	0.0893	0.0571	0.0204	0.0368	0.0150	0.0049	0.0029						
12/31/2012	0.0757	0.0280	0.0144	0.0167	0.0025	-0.0013							
12/31/2013	0.0425	0.0747	0.0666	0.0457	0.0398								
12/31/2014	0.0501	0.0857	0.1603	0.0451									
12/31/2015	0.0865	0.0818	0.0543										
12/31/2016	0.0783	0.0756											
12/31/2017	0.0918												

Best 3/5	0.0717	0.0774	0.0471	0.0373	0.0371	0.0143	0.0119	0.0068	0.0045	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MISSOURI
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	1,191,320	1,690,952	1,692,784	1,800,033	2,040,901	1,879,420	1,776,122	1,699,996	1,599,992	1,599,992	1,599,992
12/31/2000	2,312,473	2,920,622	2,994,360	3,046,091	2,848,142	2,685,071	2,714,975	2,849,809	2,715,475	2,715,475	2,720,475
12/31/2001	2,073,795	2,548,376	2,676,706	2,458,852	2,680,226	2,662,817	2,657,217	2,661,850	2,661,850	2,661,850	2,661,850
12/31/2002	1,950,090	2,107,499	2,003,247	2,110,896	2,156,156	2,056,416	2,040,455	2,048,755	2,140,706	2,134,453	2,152,164
12/31/2003	1,672,473	1,537,873	1,615,956	1,609,514	1,644,006	1,664,937	1,677,457	1,591,087	1,646,774	1,716,081	1,636,716
12/31/2004	2,194,506	2,247,162	2,148,750	2,081,400	2,211,036	2,239,019	2,213,005	2,168,605	2,215,716	2,213,005	2,140,505
12/31/2005	2,066,462	1,974,470	1,945,120	1,917,300	1,943,972	1,905,801	1,903,601	1,913,601	1,903,601	1,983,601	1,910,601
12/31/2006	1,785,897	1,881,781	2,141,959	2,186,430	2,269,229	2,275,578	2,225,586	2,167,835	2,274,502	2,274,502	2,253,252
12/31/2007	2,481,244	3,191,213	3,391,720	3,397,492	3,476,569	3,651,269	3,650,469	3,717,269	3,732,269	3,719,769	3,719,769
12/31/2008	2,079,902	2,154,053	2,300,753	2,175,147	2,146,668	2,208,811	2,157,507	2,147,621	2,166,226	2,166,226	2,169,636
12/31/2009	2,279,563	2,385,147	2,372,605	2,449,903	2,447,902	2,520,987	2,610,352	2,610,352	2,610,352	2,610,352	
12/31/2010	2,736,138	2,889,883	2,918,473	3,031,534	2,995,588	3,091,588	3,081,893	3,049,838	3,049,838		
12/31/2011	3,169,505	3,203,871	3,203,159	3,295,400	3,198,756	3,204,797	3,199,277	3,274,277			
12/31/2012	2,650,796	2,764,244	2,970,925	3,080,856	3,071,695	3,114,247	3,122,362				
12/31/2013	2,135,209	2,258,893	2,218,530	2,364,897	2,291,535	2,385,335					
12/31/2014	2,405,692	2,754,051	2,675,210	2,712,634	2,702,861						
12/31/2015	2,485,040	2,737,089	2,731,836	2,803,583							
12/31/2016	2,633,696	2,880,648	2,929,277								
12/31/2017	2,802,117	3,095,207									
12/31/2018	2,342,411										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	1,599,992	1,599,992	1,599,992	1,599,992	1,599,992	1,599,992	1,609,992	1,609,992	1,599,992
12/31/2000	2,717,973	2,717,971	2,717,969	2,717,263	2,717,263	2,717,263	2,717,263	2,717,263	
12/31/2001	2,661,850	2,661,850	2,661,850	2,661,850	2,661,850	2,661,850	2,661,850		
12/31/2002	2,123,033	2,115,235	2,114,447	2,095,913	2,095,913	2,095,913			
12/31/2003	1,742,353	1,742,351	1,842,351	1,842,351	1,842,351				
12/31/2004	2,140,505	2,140,505	2,140,505	2,140,505					
12/31/2005	1,910,351	1,910,351	1,910,351						
12/31/2006	2,253,252	2,253,252							
12/31/2007	3,719,769								

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

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.419	1.001	1.063	1.134	0.921	0.945	0.957	0.941	1.000	1.000	1.000
12/31/2000	1.263	1.025	1.017	0.935	0.943	1.011	1.050	0.953	1.000	1.002	0.999
12/31/2001	1.229	1.050	0.919	1.090	0.994	0.998	1.002	1.000	1.000	1.000	1.000
12/31/2002	1.081	0.951	1.054	1.021	0.954	0.992	1.004	1.045	0.997	1.008	0.986
12/31/2003	0.920	1.051	0.996	1.021	1.013	1.008	0.949	1.035	1.042	0.954	1.065
12/31/2004	1.024	0.956	0.969	1.062	1.013	0.988	0.980	1.022	0.999	0.967	1.000
12/31/2005	0.955	0.985	0.986	1.014	0.980	0.999	1.005	0.995	1.042	0.963	1.000
12/31/2006	1.054	1.138	1.021	1.038	1.003	0.978	0.974	1.049	1.000	0.991	1.000
12/31/2007	1.286	1.063	1.002	1.023	1.050	1.000	1.018	1.004	0.997	1.000	1.000
12/31/2008	1.036	1.068	0.945	0.987	1.029	0.977	0.995	1.009	1.000	1.002	
12/31/2009	1.046	0.995	1.033	0.999	1.030	1.035	1.000	1.000	1.000		
12/31/2010	1.056	1.010	1.039	0.988	1.032	0.997	0.990	1.000			
12/31/2011	1.011	1.000	1.029	0.971	1.002	0.998	1.023				
12/31/2012	1.043	1.075	1.037	0.997	1.014	1.003					
12/31/2013	1.058	0.982	1.066	0.969	1.041						
12/31/2014	1.145	0.971	1.014	0.996							
12/31/2015	1.101	0.998	1.026								
12/31/2016	1.094	1.017									
12/31/2017	1.105										

3 Yr Mean 1.100 0.995 1.035 0.987 1.019 0.999 1.004 1.003 0.999 0.998 1.000

Best 3/5 1.100 0.999 1.031 0.985 1.025 0.999 1.004 1.004 1.000 0.986 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.006	1.000	0.994
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	0.996	1.000	0.991	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2003	1.000	1.057	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000	1.000	1.000					
12/31/2005	1.000	1.000						
12/31/2006	1.000							

3 Yr Mean 1.000 1.019 0.997 1.000 1.000 @ 1.002 @ 1.000 @ 0.994 @

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.025	0.999	1.004	1.004	1.000	0.986	1.000
12/31/2015				0.985	1.025	0.999	1.004	1.004	1.000	0.986	1.000
12/31/2016			1.031	0.985	1.025	0.999	1.004	1.004	1.000	0.986	1.000
12/31/2017		0.999	1.031	0.985	1.025	0.999	1.004	1.004	1.000	0.986	1.000
12/31/2018	1.100	0.999	1.031	0.985	1.025	0.999	1.004	1.004	1.000	0.986	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.018
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.002
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.034
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.033
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.136

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MISSOURI
 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>
12/31/1999	84,623	272,236	292,442	378,073	657,463	747,831	785,564	816,472	409,098	409,566	409,566
12/31/2000	247,968	517,132	603,658	776,781	919,025	955,851	990,751	1,007,831	1,016,025	1,028,560	1,038,560
12/31/2001	139,852	565,072	709,790	840,000	1,228,354	1,008,007	1,009,696	996,087	996,087	996,087	996,087
12/31/2002	176,387	234,762	276,245	363,110	408,643	529,784	637,019	750,957	885,142	844,462	856,750
12/31/2003	183,914	253,093	328,019	350,911	388,706	411,198	522,918	535,964	577,756	751,538	766,501
12/31/2004	216,984	371,507	527,830	610,752	847,070	1,049,192	1,138,226	1,220,659	1,242,295	1,297,055	1,295,682
12/31/2005	199,782	220,500	281,590	442,778	551,823	541,728	542,031	542,031	542,031	541,930	616,931
12/31/2006	98,884	182,133	466,614	707,608	773,479	854,552	881,043	891,564	878,093	1,026,078	1,049,465
12/31/2007	153,305	223,939	502,374	602,850	1,054,610	1,063,607	1,094,832	1,081,958	1,112,170	1,141,990	1,137,479
12/31/2008	154,161	269,692	361,017	397,889	407,349	408,374	411,121	421,122	436,122	439,270	478,538
12/31/2009	155,517	312,638	347,375	784,972	787,090	548,887	556,595	553,238	566,739	566,739	
12/31/2010	123,425	221,956	334,918	398,923	450,293	473,640	500,780	519,986	519,054		
12/31/2011	577,854	513,370	715,853	903,050	1,017,931	1,047,205	1,030,054	1,115,501			
12/31/2012	104,151	277,701	463,115	531,880	764,512	851,017	895,724				
12/31/2013	134,275	1,275,639	1,401,963	1,482,570	1,622,251	1,753,747					
12/31/2014	211,307	317,126	412,486	548,755	553,440						
12/31/2015	240,918	330,446	478,273	588,781							
12/31/2016	256,130	190,164	361,495								
12/31/2017	187,651	360,714									
12/31/2018	88,033										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	409,566	409,566	409,566	409,566	409,566	409,566	419,566	419,567	423,784
12/31/2000	1,041,360	1,042,056	1,042,055	1,034,931	1,034,931	1,034,931	1,034,931	1,034,931	
12/31/2001	996,087	996,087	996,087	996,087	996,087	996,087	996,087		
12/31/2002	863,680	871,478	872,266	872,266	877,481	877,481			
12/31/2003	779,329	806,167	835,266	835,266	839,890				
12/31/2004	1,295,682	1,295,682	1,295,682	1,302,555					
12/31/2005	584,131	584,131	584,131						
12/31/2006	1,158,495	1,232,384							
12/31/2007	1,137,479								

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

	Increments												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	187,613	20,206	85,631	279,390	90,368	37,733	30,908	-407,374	468	0	0	0	0
12/31/2000	269,164	86,526	173,123	142,244	36,826	34,900	17,080	8,194	12,535	10,000	2,800	696	-1
12/31/2001	425,220	144,718	130,210	388,354	-220,347	1,689	-13,609	0	0	0	0	0	0
12/31/2002	58,375	41,483	86,865	45,533	121,141	107,235	113,938	134,185	-40,680	12,288	6,930	7,798	788
12/31/2003	69,179	74,926	22,892	37,795	22,492	111,720	13,046	41,792	173,782	14,963	12,828	26,838	29,099
12/31/2004	154,523	156,323	82,922	236,318	202,122	89,034	82,433	21,636	54,760	-1,373	0	0	0
12/31/2005	20,718	61,090	161,188	109,045	-10,095	303	0	0	-101	75,001	-32,800	0	0
12/31/2006	83,249	284,481	240,994	65,871	81,073	26,491	10,521	-13,471	147,985	23,387	109,030	73,889	
12/31/2007	70,634	278,435	100,476	451,760	8,997	31,225	-12,874	30,212	29,820	-4,511	0		
12/31/2008	115,531	91,325	36,872	9,460	1,025	2,747	10,001	15,000	3,148	39,268			
12/31/2009	157,121	34,737	437,597	2,118	-238,203	7,708	-3,357	13,501	0				
12/31/2010	98,531	112,962	64,005	51,370	23,347	27,140	19,206	-932					
12/31/2011	-64,484	202,483	187,197	114,881	29,274	-17,151	85,447						
12/31/2012	173,550	185,414	68,765	232,632	86,505	44,707							
12/31/2013	1,141,364	126,324	80,607	139,681	131,496								
12/31/2014	105,819	95,360	136,269	4,685									
12/31/2015	89,528	147,827	110,508										
12/31/2016	-65,966	171,331											
12/31/2017	173,063												

	Incremental Percentages												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.1127	0.0121	0.0515	0.1679	0.0543	0.0227	0.0186	-0.2448	0.0003	0.0000	0.0000	0.0000	0.0000
12/31/2000	0.0736	0.0236	0.0473	0.0389	0.0101	0.0095	0.0047	0.0022	0.0034	0.0027	0.0008	0.0002	0.0000
12/31/2001	0.1514	0.0515	0.0464	0.1383	-0.0785	0.0006	-0.0048	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2002	0.0217	0.0155	0.0324	0.0170	0.0451	0.0400	0.0424	0.0500	-0.0152	0.0046	0.0026	0.0029	0.0003
12/31/2003	0.0278	0.0301	0.0092	0.0152	0.0090	0.0449	0.0052	0.0168	0.0698	0.0060	0.0052	0.0108	0.0117
12/31/2004	0.0595	0.0602	0.0319	0.0910	0.0778	0.0343	0.0317	0.0083	0.0211	-0.0005	0.0000	0.0000	0.0000
12/31/2005	0.0069	0.0203	0.0536	0.0363	-0.0034	0.0001	0.0000	0.0000	0.0000	0.0249	-0.0109	0.0000	0.0000
12/31/2006	0.0288	0.0984	0.0833	0.0228	0.0280	0.0092	0.0036	-0.0047	0.0512	0.0081	0.0377	0.0255	
12/31/2007	0.0156	0.0615	0.0222	0.0998	0.0020	0.0069	-0.0028	0.0067	0.0066	-0.0010	0.0000		
12/31/2008	0.0490	0.0388	0.0157	0.0040	0.0004	0.0012	0.0042	0.0064	0.0013	0.0167			
12/31/2009	0.0417	0.0092	0.1162	0.0006	-0.0632	0.0020	-0.0009	0.0036	0.0000				
12/31/2010	0.0256	0.0293	0.0166	0.0133	0.0061	0.0070	0.0050	-0.0002					
12/31/2011	-0.0157	0.0492	0.0455	0.0279	0.0071	-0.0042	0.0208						
12/31/2012	0.0427	0.0457	0.0169	0.0573	0.0213	0.0110							
12/31/2013	0.3704	0.0410	0.0262	0.0453	0.0427								
12/31/2014	0.0315	0.0284	0.0405	0.0014									
12/31/2015	0.0224	0.0370	0.0276										
12/31/2016	-0.0185	0.0479											
12/31/2017	0.0388												

Best 3/5	0.0309	0.0412	0.0314	0.0289	0.0115	0.0034	0.0028	0.0032	0.0026	0.0081	0.0017	0.0046	0.0001
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MISSOURI
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	3,391,652	4,795,524	4,841,832	5,206,360	5,636,885	5,446,464	5,459,611	5,404,452	5,419,352	5,410,352	5,410,352
12/31/2000	3,097,973	3,965,437	4,402,226	5,151,330	5,174,879	5,137,703	5,187,023	5,158,612	5,080,922	5,138,672	5,198,672
12/31/2001	3,289,878	4,481,891	4,998,602	5,025,135	5,255,506	5,041,130	5,011,400	4,935,466	4,955,466	5,055,466	5,060,466
12/31/2002	3,499,392	3,438,420	3,657,941	4,680,314	4,443,031	4,601,224	4,349,207	4,266,885	4,205,572	4,205,302	4,129,235
12/31/2003	4,224,637	4,606,005	5,994,144	6,017,636	5,793,167	5,611,902	5,567,288	5,612,310	5,537,235	5,522,235	5,542,235
12/31/2004	4,430,473	5,710,379	5,711,343	5,641,293	5,680,364	5,457,375	5,564,622	5,543,216	5,543,360	5,523,360	5,517,291
12/31/2005	3,306,087	3,619,884	4,361,627	4,010,110	4,385,644	4,233,181	4,088,915	4,123,269	4,123,269	4,118,269	4,219,271
12/31/2006	4,683,086	4,885,202	4,823,364	5,042,817	5,060,223	5,166,405	4,993,513	4,911,013	4,933,170	4,825,302	4,903,435
12/31/2007	4,636,522	6,061,618	6,760,232	6,852,575	6,615,189	6,815,149	6,632,136	6,524,338	6,564,337	6,509,587	6,509,587
12/31/2008	5,818,744	7,261,640	7,469,853	7,369,630	7,441,231	7,409,283	7,252,874	7,169,457	7,167,776	7,174,776	7,274,776
12/31/2009	5,825,472	6,117,736	6,198,628	6,147,920	5,894,316	6,035,733	6,027,311	5,952,468	5,979,172	6,063,009	
12/31/2010	5,945,074	7,538,260	7,209,023	7,440,769	7,626,209	7,532,456	7,555,531	7,492,844	7,528,519		
12/31/2011	5,682,148	6,628,965	7,289,299	7,269,135	7,371,092	7,863,709	7,938,174	7,996,718			
12/31/2012	5,133,093	5,460,011	5,616,960	5,627,298	5,622,914	5,667,241	5,702,838				
12/31/2013	6,221,101	7,520,271	7,860,313	7,884,841	7,821,811	7,577,710					
12/31/2014	5,022,948	6,255,775	7,267,722	7,131,374	7,137,513						
12/31/2015	4,813,114	5,438,948	6,027,039	6,126,512							
12/31/2016	4,487,671	5,323,649	5,835,298								
12/31/2017	4,806,884	5,651,981									
12/31/2018	5,469,114										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	5,425,143	5,425,143	5,465,352	5,465,352	5,465,352	5,465,352	5,465,352	5,465,352	5,465,352
12/31/2000	5,166,698	5,171,698	5,261,698	5,286,698	5,286,698	5,361,698	5,361,698	5,361,698	
12/31/2001	5,060,466	5,115,466	5,185,566	5,210,466	5,247,466	5,247,466	5,247,466		
12/31/2002	4,121,735	4,121,735	4,121,735	4,121,735	4,121,735	4,121,735			
12/31/2003	5,542,235	5,542,235	5,542,235	5,542,235	5,542,235				
12/31/2004	5,517,291	5,517,291	5,517,291	5,517,291					
12/31/2005	4,318,269	4,318,269	4,318,269						
12/31/2006	4,904,935	4,804,935							
12/31/2007	6,517,087								

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

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1999	1.414	1.010	1.075	1.083	0.966	1.002	0.990	1.003	0.998	1.000	1.003
12/31/2000	1.280	1.110	1.170	1.005	0.993	1.010	0.995	0.985	1.011	1.012	0.994
12/31/2001	1.362	1.115	1.005	1.046	0.959	0.994	0.985	1.004	1.020	1.001	1.000
12/31/2002	0.983	1.064	1.279	0.949	1.036	0.945	0.981	0.986	1.000	0.982	0.998
12/31/2003	1.090	1.301	1.004	0.963	0.969	0.992	1.008	0.987	0.997	1.004	1.000
12/31/2004	1.289	1.000	0.988	1.007	0.961	1.020	0.996	1.000	0.996	0.999	1.000
12/31/2005	1.095	1.205	0.919	1.094	0.965	0.966	1.008	1.000	0.999	1.025	1.023
12/31/2006	1.043	0.987	1.045	1.003	1.021	0.967	0.983	1.005	0.978	1.016	1.000
12/31/2007	1.307	1.115	1.014	0.965	1.030	0.973	0.984	1.006	0.992	1.000	1.001
12/31/2008	1.248	1.029	0.987	1.010	0.996	0.979	0.988	1.000	1.001	1.014	
12/31/2009	1.050	1.013	0.992	0.959	1.024	0.999	0.988	1.004	1.014		
12/31/2010	1.268	0.956	1.032	1.025	0.988	1.003	0.992	1.005			
12/31/2011	1.167	1.100	0.997	1.014	1.067	1.009	1.007				
12/31/2012	1.064	1.029	1.002	0.999	1.008	1.006					
12/31/2013	1.209	1.045	1.003	0.992	0.969						
12/31/2014	1.245	1.162	0.981	1.001							
12/31/2015	1.130	1.108	1.017								
12/31/2016	1.186	1.096									
12/31/2017	1.176										
3 Yr Mean	1.164	1.122	1.000	0.997	1.015	1.006	0.996	1.003	1.002	1.010	1.008
Best 3/5	1.190	1.083	1.001	1.005	1.007	1.003	0.989	1.005	0.997	1.010	1.000

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>
12/31/1999	1.000	1.007	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.001	1.017	1.005	1.000	1.014	1.000	1.000	1.000 *
12/31/2001	1.011	1.014	1.005	1.007	1.000	1.000	1.000 *	1.000 *
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2003	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000	1.000	1.000					
12/31/2005	1.000	1.000						
12/31/2006	0.980							

3 Yr Mean	0.993	1.000	1.000	1.002	1.005 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000	1.000	1.002	1.000	1.000 *	1.000 *	1.000 *	1.000 *

Development From

A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2014					1.007	1.003	0.989	1.005	0.997	1.010	1.000
12/31/2015				1.005	1.007	1.003	0.989	1.005	0.997	1.010	1.000
12/31/2016			1.001	1.005	1.007	1.003	0.989	1.005	0.997	1.010	1.000
12/31/2017		1.083	1.001	1.005	1.007	1.003	0.989	1.005	0.997	1.010	1.000
12/31/2018	1.190	1.083	1.001	1.005	1.007	1.003	0.989	1.005	0.997	1.010	1.000

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
12/31/2014	1.000	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.013
12/31/2015	1.000	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.018
12/31/2016	1.000	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.019
12/31/2017	1.000	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.104
12/31/2018	1.000	1.000	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.313

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MISSOURI
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>
12/31/1999	970,996	1,599,058	1,652,380	1,577,271	1,860,346	1,832,259	1,881,010	1,900,912	1,878,345	1,878,345	1,878,345
12/31/2000	333,251	555,170	894,350	1,186,418	1,364,965	1,564,857	1,576,072	1,606,399	1,623,182	1,661,990	1,722,778
12/31/2001	516,648	738,657	1,126,459	1,034,552	1,242,910	1,394,890	1,440,819	1,544,073	1,549,166	1,550,296	1,566,806
12/31/2002	740,863	750,560	1,060,487	1,226,543	1,281,181	1,403,385	1,447,211	1,478,992	1,457,343	1,457,613	1,457,935
12/31/2003	531,557	647,246	1,088,727	1,376,228	1,600,658	1,552,996	1,676,958	1,730,832	1,820,906	1,839,136	1,847,931
12/31/2004	547,475	1,123,727	1,297,769	1,643,919	1,800,760	1,919,625	1,977,922	1,988,278	1,971,475	1,964,316	1,964,858
12/31/2005	392,194	594,420	964,369	1,213,491	1,315,135	1,378,977	1,394,613	1,450,726	1,450,726	1,450,726	1,797,867
12/31/2006	319,152	737,074	1,342,532	1,785,671	1,883,639	1,976,089	2,061,895	2,128,867	2,219,960	2,233,792	2,385,540
12/31/2007	249,462	668,596	1,407,698	1,932,702	2,261,629	2,559,521	3,083,308	3,097,576	3,117,625	3,098,485	3,098,312
12/31/2008	259,446	692,608	2,141,438	2,684,889	3,122,796	3,351,980	3,305,965	3,236,974	3,252,398	3,253,719	3,257,161
12/31/2009	399,594	778,147	1,224,572	1,498,751	1,712,937	1,969,109	1,858,157	1,879,378	1,906,688	2,050,155	
12/31/2010	333,813	1,400,323	1,615,131	2,220,999	2,666,830	3,009,058	3,139,440	3,151,934	3,324,527		
12/31/2011	560,341	1,310,567	2,087,049	2,544,944	2,762,972	3,056,855	3,293,948	3,315,647			
12/31/2012	446,754	974,304	1,426,120	2,055,866	2,294,967	2,450,186	2,437,319				
12/31/2013	1,091,631	1,937,916	3,171,615	3,823,614	4,490,528	4,914,247					
12/31/2014	711,055	1,534,868	2,614,676	2,914,818	3,169,016						
12/31/2015	515,686	1,064,995	1,577,361	2,116,216							
12/31/2016	874,634	1,276,348	1,718,451								
12/31/2017	529,911	1,250,369									
12/31/2018	472,241										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	1,878,400	1,878,400	1,878,345	1,878,345	1,878,345	1,878,345	1,878,345	1,878,345	1,878,345
12/31/2000	1,686,837	1,703,140	1,821,573	1,865,066	1,940,082	1,946,517	2,040,189	2,056,679	
12/31/2001	1,569,250	1,710,462	1,803,133	1,777,608	1,739,357	1,750,050	1,750,050		
12/31/2002	1,446,926	1,446,926	1,446,926	1,446,926	1,446,926	1,446,926			
12/31/2003	1,847,931	1,847,931	1,847,931	1,847,931	1,847,931				
12/31/2004	1,964,858	1,964,858	1,964,858	1,964,858					
12/31/2005	1,719,940	1,719,940	1,719,940						
12/31/2006	2,385,902	2,383,168							
12/31/2007	3,098,185								

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

	Increments												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	628,062	53,322	-75,109	283,075	-28,087	48,751	19,902	-22,567	0	0	55	0	-55
12/31/2000	221,919	339,180	292,068	178,547	199,892	11,215	30,327	16,783	38,808	60,788	-35,941	16,303	118,433
12/31/2001	222,009	387,802	-91,907	208,358	151,980	45,929	103,254	5,093	1,130	16,510	2,444	141,212	92,671
12/31/2002	9,697	309,927	166,056	54,638	122,204	43,826	31,781	-21,649	270	322	-11,009	0	0
12/31/2003	115,689	441,481	287,501	224,430	-47,662	123,962	53,874	90,074	18,230	8,795	0	0	0
12/31/2004	576,252	174,042	346,150	156,841	118,865	58,297	10,356	-16,803	-7,159	542	0	0	0
12/31/2005	202,226	369,949	249,122	101,644	63,842	15,636	56,113	0	0	347,141	-77,927	0	0
12/31/2006	417,922	605,458	443,139	97,968	92,450	85,806	66,972	91,093	13,832	151,748	362	-2,734	
12/31/2007	419,134	739,102	525,004	328,927	297,892	523,787	14,268	20,049	-19,140	-173	-127		
12/31/2008	433,162	1,448,830	543,451	437,907	229,184	-46,015	-68,991	15,424	1,321	3,442			
12/31/2009	378,553	446,425	274,179	214,186	256,172	-110,952	21,221	27,310	143,467				
12/31/2010	1,066,510	214,808	605,868	445,831	342,228	130,382	12,494	172,593					
12/31/2011	750,226	776,482	457,895	218,028	293,883	237,093	21,699						
12/31/2012	527,550	451,816	629,746	239,101	155,219	-12,867							
12/31/2013	846,285	1,233,699	651,999	666,914	423,719								
12/31/2014	823,813	1,079,808	300,142	254,198									
12/31/2015	549,309	512,366	538,855										
12/31/2016	401,714	442,103											
12/31/2017	720,458												

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0776	0.0066	-0.0093	0.0350	-0.0035	0.0060	0.0025	-0.0028	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2000	0.0316	0.0483	0.0416	0.0254	0.0285	0.0016	0.0043	0.0024	0.0055	0.0087	-0.0051	0.0023	0.0169
12/31/2001	0.0327	0.0571	-0.0135	0.0307	0.0224	0.0068	0.0152	0.0008	0.0002	0.0024	0.0004	0.0208	0.0137
12/31/2002	0.0014	0.0442	0.0237	0.0078	0.0174	0.0062	0.0045	-0.0031	0.0000	0.0000	-0.0016	0.0000	0.0000
12/31/2003	0.0158	0.0601	0.0391	0.0306	-0.0065	0.0169	0.0073	0.0123	0.0025	0.0012	0.0000	0.0000	0.0000
12/31/2004	0.0717	0.0217	0.0431	0.0195	0.0148	0.0073	0.0013	-0.0021	-0.0009	0.0001	0.0000	0.0000	0.0000
12/31/2005	0.0312	0.0572	0.0385	0.0157	0.0099	0.0024	0.0087	0.0000	0.0000	0.0536	-0.0120	0.0000	0.0000
12/31/2006	0.0636	0.0921	0.0674	0.0149	0.0141	0.0131	0.0102	0.0139	0.0021	0.0231	0.0001	-0.0004	
12/31/2007	0.0451	0.0795	0.0565	0.0354	0.0321	0.0564	0.0015	0.0022	-0.0021	0.0000	0.0000		
12/31/2008	0.0394	0.1316	0.0494	0.0398	0.0208	-0.0042	-0.0063	0.0014	0.0001	0.0003			
12/31/2009	0.0458	0.0540	0.0332	0.0259	0.0310	-0.0134	0.0026	0.0033	0.0174				
12/31/2010	0.1005	0.0202	0.0571	0.0420	0.0322	0.0123	0.0012	0.0163					
12/31/2011	0.0569	0.0589	0.0347	0.0165	0.0223	0.0180	0.0016						
12/31/2012	0.0512	0.0439	0.0612	0.0232	0.0151	-0.0012							
12/31/2013	0.0762	0.1110	0.0587	0.0600	0.0381								
12/31/2014	0.0642	0.0841	0.0234	0.0198									
12/31/2015	0.0536	0.0500	0.0526										
12/31/2016	0.0466	0.0513											
12/31/2017	0.0671												

Best 3/5	0.0616	0.0618	0.0487	0.0283	0.0285	0.0023	0.0015	0.0064	0.0007	0.0078	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MISSOURI
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	875,463	1,065,952	846,566	843,670	850,670	850,670	845,670	845,670	838,670	838,670	838,670
12/31/2000	903,097	1,028,841	859,651	722,815	728,644	684,644	688,644	683,644	688,719	688,719	688,003
12/31/2001	885,234	841,076	806,888	868,096	913,189	860,749	855,249	882,750	931,499	931,499	935,999
12/31/2002	334,143	500,640	510,836	488,110	474,094	499,344	499,344	499,344	499,273	499,273	499,273
12/31/2003	778,844	740,221	830,216	759,604	748,556	685,380	675,380	675,380	663,305	663,305	663,305
12/31/2004	504,029	498,466	550,153	517,729	511,579	496,579	566,579	566,579	566,579	566,579	566,579
12/31/2005	479,259	627,743	577,622	643,366	720,254	704,724	731,888	706,888	706,888	706,888	706,888
12/31/2006	897,534	1,092,497	1,044,795	1,057,450	1,074,102	1,077,595	1,090,095	1,090,095	1,090,095	1,090,095	1,153,195
12/31/2007	635,176	743,241	771,961	829,961	845,665	1,035,665	1,035,665	1,038,166	1,038,166	1,138,165	1,138,165
12/31/2008	724,504	686,123	695,060	686,331	712,309	677,913	779,328	819,328	819,328	819,328	819,328
12/31/2009	863,593	902,056	884,263	884,291	974,192	1,020,569	1,020,572	1,020,572	1,005,569	1,005,569	
12/31/2010	648,027	668,903	815,495	786,150	757,444	766,250	766,250	766,250	766,250		
12/31/2011	729,796	697,000	676,591	668,391	748,241	738,444	745,789	740,789			
12/31/2012	541,865	567,195	682,718	725,218	695,218	690,218	690,218				
12/31/2013	440,375	527,993	483,542	475,943	601,930	622,521					
12/31/2014	905,802	837,857	798,207	853,085	967,980						
12/31/2015	504,918	603,391	772,170	794,500							
12/31/2016	535,298	436,988	537,399								
12/31/2017	542,864	674,481									
12/31/2018	620,278										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	838,670	838,670	838,670	838,670	838,670	838,670	838,670	838,670	838,670
12/31/2000	688,003	688,003	688,003	688,003	688,003	688,003	688,003	688,003	
12/31/2001	935,999	935,999	935,999	935,999	935,999	935,999	935,999		
12/31/2002	499,273	499,273	499,273	499,273	499,273	499,273			
12/31/2003	663,805	663,805	663,805	663,805	663,805				
12/31/2004	566,579	566,579	566,579	566,579					
12/31/2005	706,888	706,888	706,888						
12/31/2006	1,153,195	1,153,195							
12/31/2007	1,138,165								

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

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

A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1999	1.218	0.794	0.997	1.008	1.000	0.994	1.000	0.992	1.000	1.000	1.000
12/31/2000	1.139	0.836	0.841	1.008	0.940	1.006	0.993	1.007	1.000	0.999	1.000
12/31/2001	0.950	0.959	1.076	1.052	0.943	0.994	1.032	1.055	1.000	1.005	1.000
12/31/2002	1.498	1.020	0.956	0.971	1.053	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	0.950	1.122	0.915	0.985	0.916	0.985	1.000	0.982	1.000	1.000	1.001
12/31/2004	0.989	1.104	0.941	0.988	0.971	1.141	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.310	0.920	1.114	1.120	0.978	1.039	0.966	1.000	1.000	1.000	1.000
12/31/2006	1.217	0.956	1.012	1.016	1.003	1.012	1.000	1.000	1.000	1.058	1.000
12/31/2007	1.170	1.039	1.075	1.019	1.225	1.000	1.002	1.000	1.096	1.000	1.000
12/31/2008	0.947	1.013	0.987	1.038	0.952	1.150	1.051	1.000	1.000	1.000	
12/31/2009	1.045	0.980	1.000	1.102	1.048	1.000	1.000	0.985	1.000		
12/31/2010	1.032	1.219	0.964	0.963	1.012	1.000	1.000	1.000			
12/31/2011	0.955	0.971	0.988	1.119	0.987	1.010	0.993				
12/31/2012	1.047	1.204	1.062	0.959	0.993	1.000					
12/31/2013	1.199	0.916	0.984	1.265	1.034						
12/31/2014	0.925	0.953	1.069	1.135							
12/31/2015	1.195	1.280	1.029								
12/31/2016	0.816	1.230									
12/31/2017	1.242										
3 Yr Mean	1.084	1.154	1.027	1.120	1.005	1.003	0.998	0.995	1.032	1.019	1.000
Best 3/5	1.106	1.129	1.026	1.072	1.013	1.003	1.001	1.000	1.000	1.000	1.000

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
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			
12/31/2005	1.000	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2014					1.013	1.003	1.001	1.000	1.000	1.000	1.000
12/31/2015				1.072	1.013	1.003	1.001	1.000	1.000	1.000	1.000
12/31/2016			1.026	1.072	1.013	1.003	1.001	1.000	1.000	1.000	1.000
12/31/2017		1.129	1.026	1.072	1.013	1.003	1.001	1.000	1.000	1.000	1.000
12/31/2018	1.106	1.129	1.026	1.072	1.013	1.003	1.001	1.000	1.000	1.000	1.000

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.017
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.090
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.119
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.263
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.397

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MISSOURI
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>
12/31/1999	94,720	92,249	90,901	98,630	106,870	105,453	102,127	102,127	102,127	102,127	102,127
12/31/2000	156,138	272,895	265,745	187,173	253,827	215,984	220,301	224,258	229,258	229,258	225,221
12/31/2001	85,540	169,806	251,145	285,960	336,109	291,579	289,076	307,619	318,777	318,777	317,174
12/31/2002	21,036	56,473	77,152	74,154	85,572	88,941	162,149	162,149	162,149	162,149	162,149
12/31/2003	77,075	116,164	150,670	335,862	367,374	388,234	390,774	390,774	401,800	401,800	401,800
12/31/2004	40,006	76,862	94,063	116,021	134,088	128,696	141,539	141,539	141,539	141,539	141,539
12/31/2005	50,763	55,742	63,032	94,819	159,664	160,407	160,407	160,407	160,407	160,407	160,407
12/31/2006	55,492	113,684	191,030	302,815	328,758	358,756	362,170	358,757	359,263	371,265	377,037
12/31/2007	179,379	237,154	293,209	346,297	399,996	455,724	455,724	489,791	528,815	549,413	549,413
12/31/2008	96,638	145,257	257,735	266,652	323,498	346,471	348,535	369,672	369,672	369,672	369,672
12/31/2009	151,123	212,591	269,474	313,788	339,030	379,220	379,720	379,980	381,147	381,147	
12/31/2010	544,499	135,977	194,090	207,374	232,559	231,395	231,395	231,395	231,395		
12/31/2011	117,048	182,331	227,141	258,051	320,459	314,551	317,051	314,551			
12/31/2012	59,278	94,660	97,027	115,568	129,299	129,299	129,299				
12/31/2013	23,160	115,312	184,068	175,107	214,686	222,289					
12/31/2014	53,048	117,240	174,467	225,789	252,346						
12/31/2015	46,316	102,611	145,800	156,828							
12/31/2016	123,403	172,089	297,809								
12/31/2017	41,737	430,737									
12/31/2018	155,584										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	102,127	102,127	102,127	102,127	102,127	102,127	102,127	102,127	102,127
12/31/2000	225,221	225,221	225,221	225,221	225,221	225,221	225,221	225,221	
12/31/2001	317,174	317,174	317,174	317,174	317,174	317,174	317,174		
12/31/2002	162,271	162,271	162,271	162,271	162,159	162,159			
12/31/2003	401,800	401,800	401,800	401,800	401,800				
12/31/2004	141,539	141,539	141,539	141,539					
12/31/2005	160,407	160,407	160,407						
12/31/2006	377,037	377,037							
12/31/2007	549,413								

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

	Increments												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	-2,471	-1,348	7,729	8,240	-1,417	-3,326	0	0	0	0	0	0	0
12/31/2000	116,757	-7,150	-78,572	66,654	-37,843	4,317	3,957	5,000	0	-4,037	0	0	0
12/31/2001	84,266	81,339	34,815	50,149	-44,530	-2,503	18,543	11,158	0	-1,603	0	0	0
12/31/2002	35,437	20,679	-2,998	11,418	3,369	73,208	0	0	0	0	122	0	0
12/31/2003	39,089	34,506	185,192	31,512	20,860	2,540	0	11,026	0	0	0	0	0
12/31/2004	36,856	17,201	21,958	18,067	-5,392	12,843	0	0	0	0	0	0	0
12/31/2005	4,979	7,290	31,787	64,845	743	0	0	0	0	0	0	0	0
12/31/2006	58,192	77,346	111,785	25,943	29,998	3,414	-3,413	506	12,002	5,772	0	0	0
12/31/2007	57,775	56,055	53,088	53,699	55,728	0	34,067	39,024	20,598	0	0	0	0
12/31/2008	48,619	112,478	8,917	56,846	22,973	2,064	21,137	0	0	0	0	0	0
12/31/2009	61,468	56,883	44,314	25,242	40,190	500	260	1,167	0	0	0	0	0
12/31/2010	-408,522	58,113	13,284	25,185	-1,164	0	0	0	0	0	0	0	0
12/31/2011	65,283	44,810	30,910	62,408	-5,908	2,500	-2,500	0	0	0	0	0	0
12/31/2012	35,382	2,367	18,541	13,731	0	0	0	0	0	0	0	0	0
12/31/2013	92,152	68,756	-8,961	39,579	7,603	0	0	0	0	0	0	0	0
12/31/2014	64,192	57,227	51,322	26,557	0	0	0	0	0	0	0	0	0
12/31/2015	56,295	43,189	11,028	0	0	0	0	0	0	0	0	0	0
12/31/2016	48,686	125,720	0	0	0	0	0	0	0	0	0	0	0
12/31/2017	389,000	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	-0.0028	-0.0015	0.0087	0.0093	-0.0016	-0.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2000	0.1695	-0.0104	-0.1141	0.0968	-0.0549	0.0063	0.0057	0.0073	0.0000	-0.0059	0.0000	0.0000	0.0000
12/31/2001	0.0717	0.0692	0.0296	0.0427	-0.0379	-0.0021	0.0158	0.0095	0.0000	-0.0014	0.0000	0.0000	0.0000
12/31/2002	0.0708	0.0413	-0.0060	0.0228	0.0067	0.1462	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000
12/31/2003	0.0585	0.0517	0.2773	0.0472	0.0312	0.0038	0.0000	0.0165	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2004	0.0645	0.0301	0.0384	0.0316	-0.0094	0.0225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2005	0.0069	0.0101	0.0439	0.0896	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2006	0.0308	0.0410	0.0593	0.0138	0.0159	0.0018	-0.0018	0.0003	0.0064	0.0031	0.0000	0.0000	
12/31/2007	0.0324	0.0315	0.0298	0.0302	0.0313	0.0000	0.0191	0.0219	0.0116	0.0000	0.0000		
12/31/2008	0.0394	0.0911	0.0072	0.0460	0.0186	0.0017	0.0171	0.0000	0.0000	0.0000			
12/31/2009	0.0486	0.0450	0.0350	0.0200	0.0318	0.0004	0.0002	0.0009	0.0000				
12/31/2010	-0.3367	0.0479	0.0110	0.0208	-0.0010	0.0000	0.0000	0.0000					
12/31/2011	0.0824	0.0565	0.0390	0.0787	-0.0075	0.0032	-0.0032						
12/31/2012	0.0473	0.0032	0.0248	0.0183	0.0000	0.0000							
12/31/2013	0.0869	0.0648	-0.0085	0.0373	0.0072								
12/31/2014	0.0455	0.0406	0.0364	0.0188									
12/31/2015	0.0388	0.0298	0.0076										
12/31/2016	0.0717	0.1852											
12/31/2017	0.2778												

Best 3/5	0.0680	0.0451	0.0229	0.0256	0.0021	0.0007	0.0058	0.0004	0.0021	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>
12/31/1999	61,047,805	98,123,699	124,668,711	137,401,090	143,931,921	147,525,795	147,307,373	145,829,988	145,279,388	145,080,861	145,227,140
12/31/2000	57,978,927	102,444,607	146,589,050	163,167,337	168,112,439	167,854,516	165,227,095	163,035,923	162,784,663	162,245,424	161,792,838
12/31/2001	62,236,397	106,650,073	140,931,788	151,954,754	158,148,095	155,386,866	152,515,334	151,843,041	151,607,207	151,522,455	151,368,441
12/31/2002	54,163,437	88,132,687	113,646,048	132,088,026	131,010,353	128,286,058	127,295,423	126,533,172	126,750,811	126,329,211	126,367,527
12/31/2003	54,917,986	85,572,645	122,120,267	131,427,160	127,774,474	125,828,023	124,652,763	123,027,364	122,952,354	122,515,193	122,519,417
12/31/2004	57,678,208	95,224,152	122,139,102	128,382,874	125,428,817	122,628,583	121,235,299	120,450,789	120,779,681	120,701,577	120,822,153
12/31/2005	57,766,191	92,349,541	118,077,173	126,054,168	123,270,821	120,401,954	119,659,834	118,861,583	118,876,440	118,548,951	118,498,724
12/31/2006	58,201,569	88,049,620	109,367,793	114,552,022	113,052,646	113,300,044	113,400,587	112,152,521	112,125,451	111,620,877	111,452,626
12/31/2007	62,752,106	92,724,862	120,431,354	128,614,478	126,580,888	126,471,314	125,557,860	125,836,848	125,344,054	124,925,199	125,077,675
12/31/2008	65,742,781	100,541,180	123,556,592	131,934,930	130,780,689	129,998,085	131,256,273	129,588,848	129,822,702	129,557,044	129,635,685
12/31/2009	66,889,904	99,172,956	123,727,860	131,087,461	130,677,179	129,412,122	127,588,958	127,780,919	127,648,394	128,206,994	
12/31/2010	66,271,257	98,785,565	126,171,791	133,860,452	133,853,289	132,274,847	132,607,180	132,029,549	132,754,969		
12/31/2011	73,382,178	108,204,146	135,951,301	146,621,642	144,417,754	144,200,051	143,029,967	142,987,235			
12/31/2012	59,007,483	90,659,797	114,724,210	119,412,977	121,099,607	121,265,649	121,870,774				
12/31/2013	60,286,229	93,490,712	116,459,384	127,590,937	129,570,776	128,246,815					
12/31/2014	65,117,440	99,713,535	130,714,899	139,037,839	141,253,196						
12/31/2015	54,800,144	88,174,645	115,416,803	125,094,099							
12/31/2016	54,743,401	88,439,072	116,962,348								
12/31/2017	58,012,719	93,418,495									
12/31/2018	58,140,977										

<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>
12/31/1999	145,407,425	145,407,106	145,231,909	145,320,218	145,418,574	145,605,617	145,749,503	145,796,125	145,858,570
12/31/2000	161,908,978	161,888,394	162,109,788	161,853,921	161,801,147	161,873,647	161,921,647	161,869,147	
12/31/2001	151,025,234	151,207,458	151,301,909	150,944,173	151,004,752	151,089,973	150,897,573		
12/31/2002	126,578,867	126,330,164	126,263,218	126,228,812	126,201,311	126,283,968			
12/31/2003	122,394,672	122,535,233	122,422,141	122,430,247	122,391,746				
12/31/2004	120,939,012	121,137,811	121,007,660	121,138,842					
12/31/2005	118,469,072	118,544,577	118,648,576						
12/31/2006	111,300,865	111,649,983							
12/31/2007	125,171,943								

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
12/31/1999	1.607	1.271	1.102	1.048	1.025	0.999	0.990	0.996	0.999	1.001	1.001
12/31/2000	1.767	1.431	1.113	1.030	0.998	0.984	0.987	0.998	0.997	0.997	1.001
12/31/2001	1.714	1.321	1.078	1.041	0.983	0.982	0.996	0.998	0.999	0.999	0.998
12/31/2002	1.627	1.289	1.162	0.992	0.979	0.992	0.994	1.002	0.997	1.000	1.002
12/31/2003	1.558	1.427	1.076	0.972	0.985	0.991	0.987	0.999	0.996	1.000	0.999
12/31/2004	1.651	1.283	1.051	0.977	0.978	0.989	0.994	1.003	0.999	1.001	1.001
12/31/2005	1.599	1.279	1.068	0.978	0.977	0.994	0.993	1.000	0.997	1.000	1.000
12/31/2006	1.513	1.242	1.047	0.987	1.002	1.001	0.989	1.000	0.995	0.998	0.999
12/31/2007	1.478	1.299	1.068	0.984	0.999	0.993	1.002	0.996	0.997	1.001	1.001
12/31/2008	1.529	1.229	1.068	0.991	0.994	1.010	0.987	1.002	0.998	1.001	
12/31/2009	1.483	1.248	1.059	0.997	0.990	0.986	1.002	0.999	1.004		
12/31/2010	1.491	1.277	1.061	1.000	0.988	1.003	0.996	1.005			
12/31/2011	1.475	1.256	1.078	0.985	0.998	0.992	1.000				
12/31/2012	1.536	1.265	1.041	1.014	1.001	1.005					
12/31/2013	1.551	1.246	1.096	1.016	0.990						
12/31/2014	1.531	1.311	1.064	1.016							
12/31/2015	1.609	1.309	1.084								
12/31/2016	1.616	1.323									
12/31/2017	1.610										

3 Yr Mean	1.612	1.314	1.081	1.015	0.996	1.000	0.999	1.002	1.000	1.000	1.000
Best 3/5	1.590	1.295	1.075	1.010	0.993	1.000	0.999	1.000	0.997	1.001	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.000	0.999	1.001	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	1.001 *			
12/31/2001	1.001	1.001	0.998	1.000	1.001	0.999	1.001 *	1.001 *			
12/31/2002	0.998	0.999	1.000	1.000	1.001	1.001 *	1.001 *	1.001 *			
12/31/2003	1.001	0.999	1.000	1.000	1.000 *	1.001 *	1.001 *	1.001 *			
12/31/2004	1.002	0.999	1.001								
12/31/2005	1.001	1.001									
12/31/2006	1.003										

3 Yr Mean	1.002	1.000	1.000	1.000	1.001 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.001	1.000	0.999	1.000	1.001 *	1.001 *	1.001 *	1.001 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.993	1.000	0.999	1.000	0.997	1.001	1.000
12/31/2015				1.010	0.993	1.000	0.999	1.000	0.997	1.001	1.000
12/31/2016			1.075	1.010	0.993	1.000	0.999	1.000	0.997	1.001	1.000
12/31/2017		1.295	1.075	1.010	0.993	1.000	0.999	1.000	0.997	1.001	1.000
12/31/2018	1.590	1.295	1.075	1.010	0.993	1.000	0.999	1.000	0.997	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	
12/31/2014	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	0.998	
12/31/2015	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	1.008	
12/31/2016	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	1.084	
12/31/2017	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	1.403	
12/31/2018	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	2.231	

* 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>
12/31/1999	4,310,345	8,161,995	11,815,204	15,323,949	16,406,117	13,735,562	13,568,095	14,211,817	13,797,134	13,702,041	13,654,000
12/31/2000	4,312,306	9,787,759	14,275,863	16,589,213	13,333,534	13,756,559	14,951,634	14,619,549	14,328,599	14,216,481	14,246,132
12/31/2001	6,257,938	11,216,967	15,955,168	14,890,770	16,169,968	16,759,605	16,405,252	15,929,198	16,116,996	16,265,741	16,248,116
12/31/2002	5,775,787	10,404,834	13,346,674	14,948,316	15,769,296	15,608,440	15,140,043	15,122,997	14,851,205	14,785,681	14,869,618
12/31/2003	6,645,827	10,058,232	14,120,720	16,116,229	14,969,065	14,204,222	14,074,931	14,017,468	14,072,288	14,184,645	14,547,610
12/31/2004	6,127,935	10,998,153	17,068,999	16,726,659	16,984,285	16,499,147	16,629,762	16,432,472	16,211,835	15,833,003	15,840,901
12/31/2005	7,813,738	12,920,036	17,590,395	18,407,310	18,825,296	18,476,169	18,284,251	17,981,632	17,751,265	17,965,865	17,970,623
12/31/2006	9,192,076	13,878,224	16,497,905	17,830,111	18,795,766	18,424,902	18,717,712	18,547,908	18,603,003	18,459,526	18,648,035
12/31/2007	8,454,742	12,648,382	16,938,817	18,130,327	18,623,107	18,377,941	18,458,649	18,811,280	18,780,637	18,894,629	18,807,950
12/31/2008	9,748,657	12,647,280	16,497,263	17,976,630	18,440,242	18,833,576	18,653,552	18,719,141	18,583,125	18,680,475	18,716,619
12/31/2009	9,544,228	14,085,803	16,353,062	17,776,981	17,988,654	18,699,930	18,765,566	18,791,034	18,845,919	18,857,348	
12/31/2010	10,273,875	13,755,484	18,079,425	19,789,231	19,996,494	19,445,282	19,032,581	18,967,128	18,849,462		
12/31/2011	10,067,850	14,030,344	18,368,992	20,279,240	20,296,368	20,494,009	20,412,855	20,347,126			
12/31/2012	6,018,740	14,109,209	18,271,826	18,670,002	19,203,460	19,210,813	19,083,751				
12/31/2013	9,228,359	15,385,799	17,772,504	21,038,493	21,807,176	21,667,959					
12/31/2014	10,277,586	14,593,014	20,965,912	24,662,296	25,631,107						
12/31/2015	10,112,813	16,397,576	22,361,934	25,574,666							
12/31/2016	9,807,799	15,504,144	20,498,376								
12/31/2017	11,230,421	18,805,779									
12/31/2018	8,968,922										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/1999	13,680,558	13,698,960	13,733,959	13,633,959	13,633,955	13,590,455	13,590,455	13,590,455	13,590,455		
12/31/2000	14,281,132	14,180,893	14,252,639	14,248,681	14,159,481	14,159,481	14,162,481	14,259,481			
12/31/2001	16,359,838	16,707,675	16,702,604	16,761,934	16,758,763	16,814,263	16,808,764				
12/31/2002	15,763,649	15,710,785	15,801,345	15,701,343	15,870,343	15,770,343					
12/31/2003	14,647,508	14,595,839	14,384,339	14,585,838	14,704,428						
12/31/2004	15,878,876	15,833,775	15,868,775	15,868,775							
12/31/2005	18,078,694	17,945,624	18,097,123								
12/31/2006	18,545,795	18,850,794									
12/31/2007	18,932,448										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.894	1.448	1.297	1.071	0.837	0.988	1.047	0.971	0.993	0.996	1.002
12/31/2000	2.270	1.459	1.162	0.804	1.032	1.087	0.978	0.980	0.992	1.002	1.002
12/31/2001	1.792	1.422	0.933	1.086	1.036	0.979	0.971	1.012	1.009	0.999	1.007
12/31/2002	1.801	1.283	1.120	1.055	0.990	0.970	0.999	0.982	0.996	1.006	1.060
12/31/2003	1.513	1.404	1.141	0.929	0.949	0.991	0.996	1.004	1.008	1.026	1.007
12/31/2004	1.795	1.552	0.980	1.015	0.971	1.008	0.988	0.987	0.977	1.000	1.002
12/31/2005	1.654	1.361	1.046	1.023	0.981	0.990	0.983	0.987	1.012	1.000	1.006
12/31/2006	1.510	1.189	1.081	1.054	0.980	1.016	0.991	1.003	0.992	1.010	0.995
12/31/2007	1.496	1.339	1.070	1.027	0.987	1.004	1.019	0.998	1.006	0.995	1.007
12/31/2008	1.297	1.304	1.090	1.026	1.021	0.990	1.004	0.993	1.005	1.002	
12/31/2009	1.476	1.161	1.087	1.012	1.040	1.004	1.001	1.003	1.001		
12/31/2010	1.339	1.314	1.095	1.010	0.972	0.979	0.997	0.994			
12/31/2011	1.394	1.309	1.104	1.001	1.010	0.996	0.997				
12/31/2012	2.344	1.295	1.022	1.029	1.000	0.993					
12/31/2013	1.667	1.155	1.184	1.037	0.994						
12/31/2014	1.420	1.437	1.176	1.039							
12/31/2015	1.621	1.364	1.144								
12/31/2016	1.581	1.322									
12/31/2017	1.675										

3 Yr Mean	1.626	1.374	1.168	1.035	1.001	0.989	0.998	0.997	1.004	1.002	1.003
Best 3/5	1.623	1.327	1.141	1.025	1.001	0.993	1.001	0.998	1.004	1.001	1.005

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.001	1.003	0.993	1.000	0.997	1.000	1.000	1.000
12/31/2000	0.993	1.005	1.000	0.994	1.000	1.000	1.007	1.000 *
12/31/2001	1.021	1.000	1.004	1.000	1.003	1.000	1.000 *	1.000 *
12/31/2002	0.997	1.006	0.994	1.011	0.994	1.000 *	1.000 *	1.000 *
12/31/2003	0.996	0.986	1.014	1.008	1.003 *	1.000 *	1.000 *	1.000 *
12/31/2004	0.997	1.002	1.000					
12/31/2005	0.993	1.008						
12/31/2006	1.016							

3 Yr Mean	1.002	0.999	1.003	1.006	0.999 @	1.000 @	1.004 @	1.000 @
Best 3/5	0.997	1.003	1.001	1.003	1.000 *	1.000 *	1.000 *	1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.001	0.993	1.001	0.998	1.004	1.001	1.005
12/31/2015				1.025	1.001	0.993	1.001	0.998	1.004	1.001	1.005
12/31/2016			1.141	1.025	1.001	0.993	1.001	0.998	1.004	1.001	1.005
12/31/2017		1.327	1.141	1.025	1.001	0.993	1.001	0.998	1.004	1.001	1.005
12/31/2018	1.623	1.327	1.141	1.025	1.001	0.993	1.001	0.998	1.004	1.001	1.005

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2014	0.997	1.003	1.001	1.003	1.000	1.000	1.000	1.000	1.000*	1.007
12/31/2015	0.997	1.003	1.001	1.003	1.000	1.000	1.000	1.000	1.000*	1.032
12/31/2016	0.997	1.003	1.001	1.003	1.000	1.000	1.000	1.000	1.000*	1.178
12/31/2017	0.997	1.003	1.001	1.003	1.000	1.000	1.000	1.000	1.000*	1.563
12/31/2018	0.997	1.003	1.001	1.003	1.000	1.000	1.000	1.000	1.000*	2.536

* 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>
12/31/1999	8,767,856	21,992,323	40,358,614	57,494,231	71,357,581	79,667,675	82,484,950	84,113,392	84,540,057	85,002,245	85,778,825
12/31/2000	9,028,226	21,843,197	46,823,415	69,682,741	85,396,061	94,384,550	102,153,807	100,589,767	102,949,186	103,115,038	104,212,627
12/31/2001	11,162,197	29,259,814	53,429,383	77,583,541	92,004,033	98,828,010	102,495,627	104,421,218	106,626,064	106,276,598	106,612,768
12/31/2002	9,370,802	25,170,711	43,534,391	64,336,921	74,182,160	81,933,883	85,196,898	85,667,843	87,223,489	88,028,623	88,005,036
12/31/2003	9,643,379	24,123,571	45,360,907	64,675,147	73,871,270	81,825,228	84,422,235	85,700,693	86,966,554	87,599,707	87,476,524
12/31/2004	7,641,605	22,355,115	43,007,889	60,374,359	70,981,917	76,573,024	78,480,297	79,260,067	80,713,201	81,300,068	81,236,403
12/31/2005	7,552,948	20,073,204	42,668,558	60,540,357	70,476,622	75,641,524	77,898,083	79,388,084	79,992,094	80,164,704	81,003,945
12/31/2006	7,098,002	20,752,052	42,106,483	55,973,241	65,733,277	70,099,862	73,252,861	74,793,172	75,354,859	75,490,674	75,648,904
12/31/2007	8,725,364	23,498,956	50,770,803	69,552,177	81,251,411	86,307,178	89,057,602	90,885,177	91,778,972	92,447,092	92,784,457
12/31/2008	8,855,357	26,365,906	47,451,183	68,579,655	80,518,902	87,315,946	91,397,721	92,406,509	93,381,201	93,512,996	93,525,067
12/31/2009	10,232,937	25,422,270	46,482,300	74,776,362	87,587,903	93,339,235	97,763,837	99,817,624	100,688,197	101,759,685	
12/31/2010	9,944,057	27,975,706	53,969,852	73,930,977	88,454,212	93,675,749	96,793,151	99,329,158	99,786,420		
12/31/2011	10,836,807	30,951,526	58,230,589	83,289,084	95,682,821	107,904,071	113,933,889	115,042,778			
12/31/2012	8,253,804	25,125,913	49,729,100	68,374,053	82,219,365	88,411,581	92,948,177				
12/31/2013	9,458,283	28,355,080	54,712,621	76,571,616	89,130,240	95,101,509					
12/31/2014	11,005,451	30,331,085	60,401,928	86,594,367	96,411,822						
12/31/2015	8,500,623	24,194,861	47,388,985	67,317,566							
12/31/2016	10,551,710	28,972,487	52,975,928								
12/31/2017	10,583,480	31,381,894									
12/31/2018	11,228,214										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	86,248,724	86,371,713	86,421,883	86,431,370	86,481,733	86,569,166	86,700,474	86,828,049	86,878,467
12/31/2000	106,199,318	106,382,904	106,577,571	107,612,592	108,353,594	108,955,606	110,202,902	110,475,609	
12/31/2001	106,939,509	107,192,234	107,290,266	107,073,992	107,195,853	107,283,412	107,474,363		
12/31/2002	88,433,476	88,804,366	89,098,655	89,552,458	89,381,333	89,648,927			
12/31/2003	87,914,215	87,985,005	87,997,156	87,707,148	87,867,204				
12/31/2004	81,301,606	81,362,510	81,386,747	81,371,905					
12/31/2005	81,001,928	82,020,851	82,432,256						
12/31/2006	75,657,473	77,059,570							
12/31/2007	92,963,431								

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

	Increments												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	13,224,467	18,366,291	17,135,617	13,863,350	8,310,094	2,817,275	1,628,442	426,665	462,188	776,580	469,899	122,989	50,170
12/31/2000	12,814,971	24,980,218	22,859,326	15,713,320	8,988,489	7,769,257	-1,564,040	2,359,419	165,852	1,097,589	1,986,691	183,586	194,667
12/31/2001	18,097,617	24,169,569	24,154,158	14,420,492	6,823,977	3,667,617	1,925,591	2,204,846	-349,466	336,170	326,741	252,725	98,032
12/31/2002	15,799,909	18,363,680	20,802,530	9,845,239	7,751,723	3,263,015	470,945	1,555,646	805,134	-23,587	428,440	370,890	294,289
12/31/2003	14,480,192	21,237,336	19,314,240	9,196,123	7,953,958	2,597,007	1,278,458	1,265,861	633,153	-123,183	437,691	70,790	12,151
12/31/2004	14,713,510	20,652,774	17,366,470	10,607,558	5,591,107	1,907,273	779,770	1,453,134	586,867	-63,665	65,203	60,904	24,237
12/31/2005	12,520,256	22,595,354	17,871,799	9,936,265	5,164,902	2,256,559	1,490,001	604,010	172,610	839,241	-2,017	1,018,923	411,405
12/31/2006	13,654,050	21,354,431	13,866,758	9,760,036	4,366,585	3,152,999	1,540,311	561,687	135,815	158,230	8,569	1,402,097	
12/31/2007	14,773,592	27,271,847	18,781,374	11,699,234	5,055,767	2,750,424	1,827,575	893,795	668,120	337,365	178,974		
12/31/2008	17,510,549	21,085,277	21,128,472	11,939,247	6,797,044	4,081,775	1,008,788	974,692	131,795	12,071			
12/31/2009	15,189,333	21,060,030	28,294,062	12,811,541	5,751,332	4,424,602	2,053,787	870,573	1,071,488				
12/31/2010	18,031,649	25,994,146	19,961,125	14,523,235	5,221,537	3,117,402	2,536,007	457,262					
12/31/2011	20,114,719	27,279,063	25,058,495	12,393,737	12,221,250	6,029,818	1,108,889						
12/31/2012	16,872,109	24,603,187	18,644,953	13,845,312	6,192,216	4,536,596							
12/31/2013	18,896,797	26,357,541	21,858,995	12,558,624	5,971,269								
12/31/2014	19,325,634	30,070,843	26,192,439	9,817,455									
12/31/2015	15,694,238	23,194,124	19,928,581										
12/31/2016	18,420,777	24,003,441											
12/31/2017	20,798,414												

A.Y.E.	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.0509	0.0706	0.0659	0.0533	0.0320	0.0108	0.0063	0.0016	0.0018	0.0030	0.0018	0.0005	0.0002
12/31/2000	0.0431	0.0840	0.0769	0.0529	0.0302	0.0261	-0.0053	0.0079	0.0006	0.0037	0.0067	0.0006	0.0007
12/31/2001	0.0661	0.0883	0.0882	0.0527	0.0249	0.0134	0.0070	0.0081	-0.0013	0.0012	0.0012	0.0009	0.0004
12/31/2002	0.0668	0.0776	0.0880	0.0416	0.0328	0.0138	0.0020	0.0066	0.0034	-0.0001	0.0018	0.0016	0.0012
12/31/2003	0.0643	0.0944	0.0858	0.0409	0.0353	0.0115	0.0057	0.0056	0.0028	-0.0005	0.0019	0.0003	0.0001
12/31/2004	0.0642	0.0901	0.0758	0.0463	0.0244	0.0083	0.0034	0.0063	0.0026	-0.0003	0.0003	0.0003	0.0001
12/31/2005	0.0582	0.1051	0.0831	0.0462	0.0240	0.0105	0.0069	0.0028	0.0008	0.0039	0.0000	0.0047	0.0019
12/31/2006	0.0620	0.0969	0.0629	0.0443	0.0198	0.0143	0.0070	0.0025	0.0006	0.0007	0.0000	0.0064	
12/31/2007	0.0603	0.1113	0.0766	0.0477	0.0206	0.0112	0.0075	0.0036	0.0027	0.0014	0.0007		
12/31/2008	0.0700	0.0843	0.0845	0.0477	0.0272	0.0163	0.0040	0.0039	0.0005	0.0000			
12/31/2009	0.0625	0.0866	0.1164	0.0527	0.0237	0.0182	0.0084	0.0036	0.0044				
12/31/2010	0.0742	0.1070	0.0822	0.0598	0.0215	0.0128	0.0104	0.0019					
12/31/2011	0.0711	0.0964	0.0885	0.0438	0.0432	0.0213	0.0039						
12/31/2012	0.0694	0.1012	0.0767	0.0569	0.0255	0.0187							
12/31/2013	0.0718	0.1002	0.0831	0.0477	0.0227								
12/31/2014	0.0686	0.1067	0.0929	0.0348									
12/31/2015	0.0636	0.0939	0.0807										
12/31/2016	0.0707	0.0921											
12/31/2017	0.0738												

Best 3/5	0.0704	0.0984	0.0841	0.0495	0.0239	0.0177	0.0066	0.0033	0.0014	0.0007	0.0004	0.0022	0.0006
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PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	96,168,375	110,959,645	124,138,595	127,375,721	129,291,537	128,212,021	126,394,806	125,703,431	125,913,371	126,007,790	126,780,329
12/31/2000	105,979,602	122,136,506	129,376,967	135,640,890	137,114,919	137,213,968	137,638,297	138,381,154	138,342,636	139,354,005	139,281,476
12/31/2001	103,843,964	116,260,187	125,992,860	128,138,680	128,972,926	130,184,627	130,313,255	130,431,417	131,320,691	131,522,271	132,062,432
12/31/2002	89,744,202	100,540,133	103,253,543	105,987,701	106,997,304	107,357,754	107,590,353	107,475,302	108,120,247	108,635,927	108,556,094
12/31/2003	81,147,092	89,239,091	94,340,785	96,944,514	98,033,136	98,662,509	98,715,131	98,922,848	98,936,674	98,980,672	99,197,751
12/31/2004	98,653,519	110,222,467	110,248,739	111,969,474	113,034,041	112,368,625	112,829,661	112,876,000	113,332,692	113,527,552	113,768,299
12/31/2005	96,075,596	104,697,352	107,026,944	109,580,181	110,503,513	111,050,714	111,116,369	111,772,214	111,835,517	113,187,631	113,231,703
12/31/2006	100,214,028	107,491,349	110,236,899	112,213,795	114,318,397	115,477,413	117,100,772	117,135,478	117,849,690	118,358,630	118,388,835
12/31/2007	106,036,657	115,992,019	119,713,218	121,641,189	122,546,391	124,087,607	124,148,290	124,992,797	125,637,637	125,546,536	126,121,489
12/31/2008	110,019,550	120,181,821	123,346,188	125,744,616	127,665,139	128,362,169	128,747,212	129,499,420	130,036,901	130,950,012	132,060,976
12/31/2009	102,630,302	112,069,057	115,664,258	117,606,386	118,199,590	118,722,352	119,764,283	120,763,076	121,323,466	122,196,753	
12/31/2010	110,039,630	119,887,980	122,457,439	123,965,917	124,157,132	124,299,401	125,054,553	125,357,234	125,251,938		
12/31/2011	118,684,953	127,118,292	131,566,105	131,317,686	131,922,280	132,598,103	134,065,719	134,633,326			
12/31/2012	109,644,849	117,404,299	120,768,530	123,223,406	123,794,367	125,229,382	126,547,935				
12/31/2013	103,012,144	113,002,090	116,800,218	118,681,792	120,699,705	121,054,289					
12/31/2014	103,935,487	115,076,975	120,602,918	125,952,676	127,310,995						
12/31/2015	102,224,341	113,941,312	122,912,707	126,058,444							
12/31/2016	106,381,377	120,019,896	125,347,973								
12/31/2017	115,154,307	130,528,912									
12/31/2018	118,832,562										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	127,260,977	126,825,894	126,988,579	126,906,992	127,032,850	127,164,814	127,181,121	127,439,164	127,469,163
12/31/2000	139,296,742	138,900,128	138,695,405	138,693,447	138,848,936	138,862,620	139,252,363	139,581,282	
12/31/2001	132,000,136	132,204,031	132,543,787	132,861,205	132,897,668	133,058,802	133,247,052		
12/31/2002	108,621,219	109,066,298	109,560,368	109,452,608	109,535,589	109,761,973			
12/31/2003	99,600,136	99,548,346	99,766,947	99,972,818	100,232,978				
12/31/2004	113,864,800	114,008,853	114,223,386	114,218,983					
12/31/2005	112,839,561	113,441,979	113,522,097						
12/31/2006	118,995,928	119,420,724							
12/31/2007	126,244,271								

PREMISES/OPERATIONS (Subline Code 334)
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INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1999	1.154	1.119	1.026	1.015	0.992	0.986	0.995	1.002	1.001	1.006	1.004
12/31/2000	1.152	1.059	1.048	1.011	1.001	1.003	1.005	1.000	1.007	0.999	1.000
12/31/2001	1.120	1.084	1.017	1.007	1.009	1.001	1.001	1.007	1.002	1.004	1.000
12/31/2002	1.120	1.027	1.026	1.010	1.003	1.002	0.999	1.006	1.005	0.999	1.001
12/31/2003	1.100	1.057	1.028	1.011	1.006	1.001	1.002	1.000	1.000	1.002	1.004
12/31/2004	1.117	1.000	1.016	1.010	0.994	1.004	1.000	1.004	1.002	1.002	1.001
12/31/2005	1.090	1.022	1.024	1.008	1.005	1.001	1.006	1.001	1.012	1.000	0.997
12/31/2006	1.073	1.026	1.018	1.019	1.010	1.014	1.000	1.006	1.004	1.000	1.005
12/31/2007	1.094	1.032	1.016	1.007	1.013	1.000	1.007	1.005	0.999	1.005	1.001
12/31/2008	1.092	1.026	1.019	1.015	1.005	1.003	1.006	1.004	1.007	1.008	
12/31/2009	1.092	1.032	1.017	1.005	1.004	1.009	1.008	1.005	1.007		
12/31/2010	1.089	1.021	1.012	1.002	1.001	1.006	1.002	0.999			
12/31/2011	1.071	1.035	0.998	1.005	1.005	1.011	1.004				
12/31/2012	1.071	1.029	1.020	1.005	1.012	1.011					
12/31/2013	1.097	1.034	1.016	1.017	1.003						
12/31/2014	1.107	1.048	1.044	1.011							
12/31/2015	1.115	1.079	1.026								
12/31/2016	1.128	1.044									
12/31/2017	1.134										
3 Yr Mean	1.126	1.057	1.029	1.011	1.007	1.009	1.005	1.003	1.004	1.004	1.001
Best 3/5	1.117	1.042	1.021	1.007	1.004	1.009	1.006	1.005	1.006	1.002	1.002

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/1999	0.997	1.001	0.999	1.001	1.001	1.000	1.002	1.000			
12/31/2000	0.997	0.999	1.000	1.001	1.000	1.003	1.002	1.001 *			
12/31/2001	1.002	1.003	1.002	1.000	1.001	1.001	1.001 *	1.001 *			
12/31/2002	1.004	1.005	0.999	1.001	1.002	1.001 *	1.001 *	1.001 *			
12/31/2003	0.999	1.002	1.002	1.003	1.001 *	1.001 *	1.001 *	1.001 *			
12/31/2004	1.001	1.002	1.000								
12/31/2005	1.005	1.001									
12/31/2006	1.004										
3 Yr Mean	1.003	1.002	1.000	1.001	1.001 @	1.001 @	1.002 @	1.000 @			
Best 3/5	1.003	1.002	1.001	1.001	1.001 *	1.001 *	1.001 *	1.001 *			

A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2014					1.004	1.009	1.006	1.005	1.006	1.002	1.002
12/31/2015				1.007	1.004	1.009	1.006	1.005	1.006	1.002	1.002
12/31/2016			1.021	1.007	1.004	1.009	1.006	1.005	1.006	1.002	1.002
12/31/2017		1.042	1.021	1.007	1.004	1.009	1.006	1.005	1.006	1.002	1.002
12/31/2018	1.117	1.042	1.021	1.007	1.004	1.009	1.006	1.005	1.006	1.002	1.002

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/U1t</u>	<u>FACTORS</u>
12/31/2014	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.050
12/31/2015	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.057
12/31/2016	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.080
12/31/2017	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.125
12/31/2018	1.003	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.257

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	17,611,868	21,420,891	24,361,408	26,480,146	28,497,535	28,499,512	28,474,634	28,911,963	28,944,110	29,083,582	29,198,642
12/31/2000	20,010,173	23,232,091	26,167,318	28,991,643	29,034,856	29,679,431	29,420,477	29,698,078	29,804,220	30,345,426	30,027,356
12/31/2001	21,319,687	24,415,548	26,323,224	27,315,959	27,553,050	28,479,686	29,101,879	29,989,138	30,251,664	30,216,876	30,215,698
12/31/2002	18,636,249	22,179,491	21,908,831	22,717,007	23,189,502	23,918,443	24,017,297	24,445,979	24,485,089	24,620,973	24,622,666
12/31/2003	19,666,303	21,164,808	22,352,164	23,788,942	24,339,368	25,289,167	25,518,684	25,319,940	25,317,971	25,404,797	25,304,505
12/31/2004	18,873,111	22,715,063	24,366,805	25,057,877	25,272,630	25,129,114	25,190,156	25,680,244	25,780,203	26,094,644	26,302,792
12/31/2005	19,827,799	23,639,310	24,707,239	25,178,677	24,939,034	24,941,621	25,012,484	25,349,802	25,388,197	25,738,393	25,728,376
12/31/2006	24,695,362	26,834,908	26,831,313	27,476,482	27,089,717	27,342,318	27,504,576	27,737,564	27,933,169	28,138,944	28,100,945
12/31/2007	24,144,638	27,535,334	29,252,612	29,509,342	29,151,601	29,739,739	29,757,535	29,852,771	30,161,351	30,362,475	30,431,345
12/31/2008	26,605,988	28,903,553	30,144,877	29,922,446	30,451,734	30,342,031	30,209,418	30,301,820	30,640,082	30,822,740	30,924,029
12/31/2009	24,062,101	24,549,501	25,556,328	25,860,807	25,763,272	25,951,083	25,741,138	26,157,504	26,245,831	26,263,250	
12/31/2010	22,179,118	23,343,896	24,333,158	24,810,153	24,682,664	25,050,214	25,129,039	25,410,794	25,487,535		
12/31/2011	21,060,432	23,121,372	23,614,829	23,553,992	23,827,893	23,907,856	24,216,604	24,303,032			
12/31/2012	21,225,230	23,592,775	24,836,168	25,019,719	25,059,628	25,158,377	25,326,400				
12/31/2013	20,229,277	20,953,730	22,006,837	21,718,590	21,716,343	21,495,104					
12/31/2014	23,904,935	26,521,150	26,900,053	27,564,972	27,799,313						
12/31/2015	23,574,095	26,498,317	27,575,867	27,923,757							
12/31/2016	22,519,318	25,771,848	26,632,832								
12/31/2017	22,084,923	25,943,033									
12/31/2018	24,414,945										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/1999	29,295,787	29,081,997	29,019,130	28,986,680	28,988,780	28,874,405	28,891,072	28,894,151	28,898,562		
12/31/2000	30,045,516	30,263,664	30,331,000	30,284,077	30,164,986	30,179,654	30,192,733	30,217,243			
12/31/2001	30,220,000	30,489,848	30,374,168	30,264,705	30,278,841	30,314,514	30,318,925				
12/31/2002	24,837,625	24,874,159	24,728,247	24,715,748	24,700,177	24,544,243					
12/31/2003	25,322,794	25,256,435	25,331,013	25,334,955	25,397,456						
12/31/2004	26,175,375	26,208,234	26,303,737	26,331,511							
12/31/2005	25,799,721	25,810,538	25,780,689								
12/31/2006	28,325,291	28,291,477									
12/31/2007	30,562,583										

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MULTISTATE
PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.216	1.137	1.087	1.076	1.000	0.999	1.015	1.001	1.005	1.004	1.003
12/31/2000	1.161	1.126	1.108	1.001	1.022	0.991	1.009	1.004	1.018	0.990	1.001
12/31/2001	1.145	1.078	1.038	1.009	1.034	1.022	1.030	1.009	0.999	1.000	1.000
12/31/2002	1.190	0.988	1.037	1.021	1.031	1.004	1.018	1.002	1.006	1.000	1.009
12/31/2003	1.076	1.056	1.064	1.023	1.039	1.009	0.992	1.000	1.003	0.996	1.001
12/31/2004	1.204	1.073	1.028	1.009	0.994	1.002	1.019	1.004	1.012	1.008	0.995
12/31/2005	1.192	1.045	1.019	0.990	1.000	1.003	1.013	1.002	1.014	1.000	1.003
12/31/2006	1.087	1.000	1.024	0.986	1.009	1.006	1.008	1.007	1.007	0.999	1.008
12/31/2007	1.140	1.062	1.009	0.988	1.020	1.001	1.003	1.010	1.007	1.002	1.004
12/31/2008	1.086	1.043	0.993	1.018	0.996	0.996	1.003	1.011	1.006	1.003	
12/31/2009	1.020	1.041	1.012	0.996	1.007	0.992	1.016	1.003	1.001		
12/31/2010	1.053	1.042	1.020	0.995	1.015	1.003	1.011	1.003			
12/31/2011	1.098	1.021	0.997	1.012	1.003	1.013	1.004				
12/31/2012	1.112	1.053	1.007	1.002	1.004	1.007					
12/31/2013	1.036	1.050	0.987	1.000	0.990						
12/31/2014	1.109	1.014	1.025	1.009							
12/31/2015	1.124	1.041	1.013								
12/31/2016	1.144	1.033									
12/31/2017	1.175										

3 Yr Mean 1.148 1.029 1.008 1.004 0.999 1.008 1.010 1.006 1.005 1.001 1.005

Best 3/5 1.126 1.041 1.006 1.004 1.005 1.002 1.006 1.007 1.007 1.002 1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
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	0.998	0.996	1.000	1.000	1.001	1.000 *			
12/31/2001	1.009	0.996	0.996	1.000	1.001	1.000	1.000 *	1.000 *			
12/31/2002	1.001	0.994	0.999	0.999	0.994	0.999 *	1.000 *	1.000 *			
12/31/2003	0.997	1.003	1.000	1.002	1.000 *	0.999 *	1.000 *	1.000 *			
12/31/2004	1.001	1.004	1.001								
12/31/2005	1.000	0.999									
12/31/2006	0.999										

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

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.005	1.002	1.006	1.007	1.007	1.002	1.003
12/31/2015				1.004	1.005	1.002	1.006	1.007	1.007	1.002	1.003
12/31/2016			1.006	1.004	1.005	1.002	1.006	1.007	1.007	1.002	1.003
12/31/2017		1.041	1.006	1.004	1.005	1.002	1.006	1.007	1.007	1.002	1.003
12/31/2018	1.126	1.041	1.006	1.004	1.005	1.002	1.006	1.007	1.007	1.002	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2014	1.000	0.999	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.029
12/31/2015	1.000	0.999	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.033
12/31/2016	1.000	0.999	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.040
12/31/2017	1.000	0.999	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.082
12/31/2018	1.000	0.999	0.999	1.000	0.999	1.000	1.000	1.000	1.000*	1.219

* 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>
12/31/1999	8,596,973	14,805,682	22,238,026	27,965,441	33,109,815	37,497,672	41,564,107	44,661,355	47,642,089	48,455,891	49,503,258
12/31/2000	9,196,074	14,992,462	22,651,150	32,190,521	41,269,183	49,306,858	55,624,339	59,617,504	61,732,578	63,039,633	63,657,325
12/31/2001	8,399,883	14,743,541	24,844,808	32,247,993	38,926,870	45,548,159	50,292,505	52,276,848	54,105,494	55,450,554	56,603,491
12/31/2002	7,320,775	13,603,882	19,793,773	27,691,448	33,425,584	37,655,721	40,706,721	43,431,809	43,850,022	44,636,175	45,255,279
12/31/2003	7,422,815	11,915,370	19,100,698	26,284,989	29,176,403	31,477,448	32,443,602	33,836,845	35,192,226	36,222,345	37,188,448
12/31/2004	8,253,404	15,472,206	22,296,396	29,402,710	34,423,362	37,006,202	39,170,895	40,463,963	41,560,187	42,369,158	42,963,263
12/31/2005	7,211,333	13,951,759	21,551,766	28,034,254	33,514,610	37,825,631	41,020,175	43,389,598	44,478,961	45,950,784	47,081,426
12/31/2006	7,236,136	13,491,175	20,521,557	26,709,429	32,546,259	36,949,491	39,657,473	41,360,607	43,144,660	44,167,780	45,438,569
12/31/2007	7,681,796	14,029,024	23,173,594	30,234,522	34,812,640	39,805,182	42,587,254	45,072,586	48,468,853	52,047,690	51,858,420
12/31/2008	9,099,621	16,165,071	23,426,440	31,614,966	35,017,268	38,820,462	39,936,668	41,139,691	42,373,856	43,819,042	44,520,282
12/31/2009	8,650,188	15,040,410	22,134,124	31,736,522	35,517,607	36,977,228	38,391,061	40,150,718	41,549,490	42,987,806	
12/31/2010	10,527,421	21,009,959	24,295,023	29,926,403	33,689,697	37,006,365	38,911,340	40,750,860	41,874,062		
12/31/2011	8,625,120	15,672,146	24,053,349	30,047,161	31,851,292	34,170,161	36,109,864	37,489,138			
12/31/2012	8,631,783	16,185,127	24,444,901	32,535,081	39,826,548	44,519,763	45,600,941				
12/31/2013	10,567,029	19,394,071	27,651,287	35,101,294	41,346,087	45,415,109					
12/31/2014	8,369,523	17,529,709	25,404,158	34,866,750	40,128,411						
12/31/2015	8,415,426	15,456,385	23,308,701	32,935,095							
12/31/2016	10,205,184	17,595,735	24,971,792								
12/31/2017	11,668,223	18,531,271									
12/31/2018	10,802,395										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	49,654,958	49,477,810	49,536,975	49,512,158	49,465,806	49,508,359	49,541,911	50,161,223	50,172,934
12/31/2000	64,590,420	65,024,736	64,830,955	64,779,944	64,878,101	65,001,734	65,296,310	65,302,347	
12/31/2001	57,192,695	57,069,362	57,031,454	57,600,258	57,614,542	57,997,055	58,090,636		
12/31/2002	45,700,159	45,778,225	46,886,945	46,933,247	47,016,232	47,920,617			
12/31/2003	38,225,309	38,916,727	39,265,496	39,645,551	39,863,647				
12/31/2004	43,392,772	44,021,283	45,800,685	46,235,043					
12/31/2005	46,995,877	48,387,993	48,720,173						
12/31/2006	45,821,945	46,624,985							
12/31/2007	52,602,092								

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
12/31/1999	6,208,709	7,432,344	5,727,415	5,144,374	4,387,857	4,066,435	3,097,248	2,980,734	813,802	1,047,367	151,700	-177,148	59,165
12/31/2000	5,796,388	7,658,688	9,539,371	9,078,662	8,037,675	6,317,481	3,993,165	2,115,074	1,307,055	617,692	933,095	434,316	-193,781
12/31/2001	6,343,658	10,101,267	7,403,185	6,678,877	6,621,289	4,744,346	1,984,343	1,828,646	1,345,060	1,152,937	589,204	-123,333	-37,908
12/31/2002	6,283,107	6,189,891	7,897,675	5,734,136	4,230,137	3,051,000	2,725,088	418,213	786,153	619,104	444,880	78,066	1,108,720
12/31/2003	4,492,555	7,185,328	7,184,291	2,891,414	2,301,045	966,154	1,393,243	1,355,381	1,030,119	966,103	1,036,861	691,418	348,769
12/31/2004	7,218,802	6,824,190	7,106,314	5,020,652	2,582,840	2,164,693	1,293,068	1,096,224	808,971	594,105	429,509	628,511	1,779,402
12/31/2005	6,740,426	7,600,007	6,482,488	5,480,356	4,311,021	3,194,544	2,369,423	1,089,363	1,471,823	1,130,642	-85,549	1,392,116	332,180
12/31/2006	6,255,039	7,030,382	6,187,872	5,836,830	4,403,232	2,707,982	1,703,134	1,784,053	1,023,120	1,270,789	383,376	803,040	
12/31/2007	6,347,228	9,144,570	7,060,928	4,578,118	4,992,542	2,782,072	2,485,332	3,396,267	3,578,837	-189,270	743,672		
12/31/2008	7,065,450	7,261,369	8,188,526	3,402,302	3,803,194	1,116,206	1,203,023	1,234,165	1,445,186	701,240			
12/31/2009	6,390,222	7,093,714	9,602,398	3,781,085	1,459,621	1,413,833	1,759,657	1,398,772	1,438,316				
12/31/2010	10,482,538	3,285,064	5,631,380	3,763,294	3,316,668	1,904,975	1,839,520	1,123,202					
12/31/2011	7,047,026	8,381,203	5,993,812	1,804,131	2,318,869	1,939,703	1,379,274						
12/31/2012	7,553,344	8,259,774	8,090,180	7,291,467	4,693,215	1,081,178							
12/31/2013	8,827,042	8,257,216	7,450,007	6,244,793	4,069,022								
12/31/2014	9,160,186	7,874,449	9,462,592	5,261,661									
12/31/2015	7,040,959	7,852,316	9,626,394										
12/31/2016	7,390,551	7,376,057											
12/31/2017	6,863,048												

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
12/31/1999	0.0375	0.0448	0.0346	0.0310	0.0265	0.0245	0.0187	0.0180	0.0049	0.0063	0.0009	-0.0011	0.0004
12/31/2000	0.0316	0.0417	0.0520	0.0495	0.0438	0.0344	0.0218	0.0115	0.0071	0.0034	0.0051	0.0024	-0.0011
12/31/2001	0.0362	0.0577	0.0423	0.0381	0.0378	0.0271	0.0113	0.0104	0.0077	0.0066	0.0034	-0.0007	-0.0002
12/31/2002	0.0437	0.0431	0.0550	0.0399	0.0295	0.0212	0.0190	0.0029	0.0055	0.0043	0.0031	0.0005	0.0077
12/31/2003	0.0347	0.0555	0.0555	0.0223	0.0178	0.0075	0.0108	0.0105	0.0080	0.0075	0.0080	0.0053	0.0027
12/31/2004	0.0472	0.0446	0.0464	0.0328	0.0169	0.0141	0.0084	0.0072	0.0053	0.0039	0.0028	0.0041	0.0116
12/31/2005	0.0453	0.0511	0.0436	0.0368	0.0290	0.0215	0.0159	0.0073	0.0099	0.0076	-0.0006	0.0094	0.0022
12/31/2006	0.0402	0.0452	0.0398	0.0375	0.0283	0.0174	0.0110	0.0115	0.0066	0.0082	0.0025	0.0052	
12/31/2007	0.0381	0.0549	0.0424	0.0275	0.0300	0.0167	0.0149	0.0204	0.0215	-0.0011	0.0045		
12/31/2008	0.0404	0.0415	0.0468	0.0195	0.0218	0.0064	0.0069	0.0071	0.0083	0.0040			
12/31/2009	0.0391	0.0434	0.0587	0.0231	0.0089	0.0086	0.0108	0.0085	0.0088				
12/31/2010	0.0606	0.0190	0.0326	0.0218	0.0192	0.0110	0.0106	0.0065					
12/31/2011	0.0389	0.0463	0.0331	0.0100	0.0128	0.0107	0.0076						
12/31/2012	0.0427	0.0467	0.0457	0.0412	0.0265	0.0061							
12/31/2013	0.0523	0.0489	0.0441	0.0370	0.0241								
12/31/2014	0.0504	0.0433	0.0521	0.0290									
12/31/2015	0.0386	0.0431	0.0528										
12/31/2016	0.0403	0.0402											
12/31/2017	0.0339												

Best 3/5	0.0431	0.0444	0.0473	0.0292	0.0187	0.0086	0.0097	0.0090	0.0090	0.0052	0.0032	0.0049	0.0042
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PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MULTISTATE
FRINGE COVERAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	8,487,721	12,341,165	13,798,654	14,539,244	15,068,512	15,622,482	15,304,309	15,674,204	15,638,036	15,368,014	15,404,309
12/31/2000	8,403,494	11,745,573	15,183,156	16,275,041	16,811,003	17,141,675	17,459,715	17,373,159	17,447,312	17,052,062	17,392,186
12/31/2001	8,908,691	12,053,523	13,701,861	13,728,075	13,688,380	14,427,485	14,461,935	14,048,716	14,230,975	14,224,686	13,955,415
12/31/2002	9,285,163	11,418,759	12,225,575	13,409,820	13,064,565	12,973,780	12,823,840	12,644,339	12,721,397	12,474,378	12,331,673
12/31/2003	7,827,800	8,597,117	11,567,241	12,607,869	13,162,772	11,547,806	11,103,879	11,236,029	11,037,516	11,092,681	11,095,642
12/31/2004	11,307,748	17,945,276	18,793,034	20,355,006	19,314,607	18,857,261	18,149,646	18,293,849	18,302,065	18,163,901	18,022,676
12/31/2005	12,410,307	15,540,424	17,734,737	17,201,625	15,879,953	15,759,304	15,969,769	15,958,141	15,880,311	15,638,293	15,651,602
12/31/2006	13,007,652	15,874,430	16,510,914	16,993,857	16,348,795	15,876,544	15,921,099	16,141,218	16,166,442	16,186,584	16,195,919
12/31/2007	11,704,590	14,531,579	14,662,900	14,405,104	13,686,896	13,534,168	13,363,949	13,121,759	13,122,876	13,123,051	13,235,360
12/31/2008	9,410,856	10,405,040	11,183,172	11,177,660	10,638,895	10,568,471	10,003,743	9,837,644	9,868,195	9,905,780	9,878,440
12/31/2009	8,907,658	10,467,701	10,803,749	10,843,080	11,104,221	10,595,769	10,600,698	10,442,166	10,552,159	10,546,098	
12/31/2010	8,091,544	9,764,626	10,189,870	10,225,329	9,517,912	9,787,927	9,795,162	9,742,321	9,852,703		
12/31/2011	7,220,895	8,927,889	9,152,949	8,996,857	9,723,557	9,619,108	9,708,817	9,654,354			
12/31/2012	5,557,607	7,460,245	7,913,805	8,498,914	8,438,680	8,754,073	8,764,255				
12/31/2013	5,851,245	7,505,574	8,389,838	9,039,678	9,332,102	9,344,313					
12/31/2014	6,871,924	9,017,067	10,072,937	10,525,570	10,274,468						
12/31/2015	7,118,352	8,993,010	10,600,930	10,943,869							
12/31/2016	5,702,276	7,841,968	8,111,664								
12/31/2017	6,771,610	9,237,235									
12/31/2018	6,382,153										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/1999	15,399,743	15,432,740	15,327,520	15,324,199	15,400,999	15,323,259	15,323,259	15,323,259	15,323,259		
12/31/2000	17,356,152	17,219,539	17,271,300	17,296,299	17,336,304	17,309,469	17,409,469	17,409,489			
12/31/2001	14,249,262	14,354,587	14,246,606	14,146,606	14,146,582	14,146,582	14,146,581				
12/31/2002	12,436,323	12,305,144	12,340,860	12,323,460	12,323,460	12,323,470					
12/31/2003	10,906,131	11,006,131	11,017,363	11,019,131	11,129,131						
12/31/2004	18,194,226	18,089,226	18,089,226	18,089,226							
12/31/2005	15,458,371	15,453,370	15,455,861								
12/31/2006	16,079,666	16,080,374									
12/31/2007	13,342,160										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.454	1.118	1.054	1.036	1.037	0.980	1.024	0.998	0.983	1.002	1.000
12/31/2000	1.398	1.293	1.072	1.033	1.020	1.019	0.995	1.004	0.977	1.020	0.998
12/31/2001	1.353	1.137	1.002	0.997	1.054	1.002	0.971	1.013	1.000	0.981	1.021
12/31/2002	1.230	1.071	1.097	0.974	0.993	0.988	0.986	1.006	0.981	0.989	1.008
12/31/2003	1.098	1.345	1.090	1.044	0.877	0.962	1.012	0.982	1.005	1.000	0.983
12/31/2004	1.587	1.047	1.083	0.949	0.976	0.962	1.008	1.000	0.992	0.992	1.010
12/31/2005	1.252	1.141	0.970	0.923	0.992	1.013	0.999	0.995	0.985	1.001	0.988
12/31/2006	1.220	1.040	1.029	0.962	0.971	1.003	1.014	1.002	1.001	1.001	0.993
12/31/2007	1.242	1.009	0.982	0.950	0.989	0.987	0.982	1.000	1.000	1.009	1.008
12/31/2008	1.106	1.075	1.000	0.952	0.993	0.947	0.983	1.003	1.004	0.997	
12/31/2009	1.175	1.032	1.004	1.024	0.954	1.000	0.985	1.011	0.999		
12/31/2010	1.207	1.044	1.003	0.931	1.028	1.001	0.995	1.011			
12/31/2011	1.236	1.025	0.983	1.081	0.989	1.009	0.994				
12/31/2012	1.342	1.061	1.074	0.993	1.037	1.001					
12/31/2013	1.283	1.118	1.077	1.032	1.001						
12/31/2014	1.312	1.117	1.045	0.976							
12/31/2015	1.263	1.179	1.032								
12/31/2016	1.375	1.034									
12/31/2017	1.364										

3 Yr Mean	1.334	1.110	1.051	1.000	1.009	1.004	0.991	1.008	1.001	1.002	0.996
Best 3/5	1.320	1.099	1.050	1.000	1.006	1.001	0.987	1.005	1.000	1.000	0.996

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.002	0.993	1.000	1.005	0.995	1.000	1.000	1.000			
12/31/2000	0.992	1.003	1.001	1.002	0.998	1.006	1.000	1.000 *			
12/31/2001	1.007	0.992	0.993	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2002	0.989	1.003	0.999	1.000	1.000	0.999 *	1.000 *	1.000 *			
12/31/2003	1.009	1.001	1.000	1.010	1.002 *	0.999 *	1.000 *	1.000 *			
12/31/2004	0.994	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										

3 Yr Mean	0.998	1.000	1.000	1.003	0.999 @	1.002 @	1.000 @	1.000 @			
Best 3/5	0.998	1.000	1.000	1.002	0.999 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.006	1.001	0.987	1.005	1.000	1.000	0.996
12/31/2015				1.000	1.006	1.001	0.987	1.005	1.000	1.000	0.996
12/31/2016			1.050	1.000	1.006	1.001	0.987	1.005	1.000	1.000	0.996
12/31/2017		1.099	1.050	1.000	1.006	1.001	0.987	1.005	1.000	1.000	0.996
12/31/2018	1.320	1.099	1.050	1.000	1.006	1.001	0.987	1.005	1.000	1.000	0.996

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	0.998	1.000	1.000	1.002	0.999	1.000	1.000	1.000	1.000*	0.994
12/31/2015	0.998	1.000	1.000	1.002	0.999	1.000	1.000	1.000	1.000*	0.994
12/31/2016	0.998	1.000	1.000	1.002	0.999	1.000	1.000	1.000	1.000*	1.044
12/31/2017	0.998	1.000	1.000	1.002	0.999	1.000	1.000	1.000	1.000*	1.147
12/31/2018	0.998	1.000	1.000	1.002	0.999	1.000	1.000	1.000	1.000*	1.514

* 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>
12/31/1999	2,378,349	5,860,831	11,239,241	14,972,945	16,953,525	22,571,281	22,985,388	24,503,954	24,958,847	26,997,983	27,578,499
12/31/2000	1,658,073	4,693,442	9,508,869	12,372,198	14,058,816	14,769,603	15,019,503	15,688,009	16,183,956	16,515,584	16,615,596
12/31/2001	1,544,412	5,102,628	9,179,590	11,548,091	12,476,480	13,668,455	14,023,964	14,290,688	14,865,463	15,107,714	14,963,981
12/31/2002	1,827,079	4,878,434	7,178,701	9,605,808	11,760,087	12,161,873	12,474,013	12,736,401	12,780,919	12,826,227	12,856,873
12/31/2003	2,329,276	3,881,180	6,635,927	8,438,091	10,145,197	10,999,480	11,456,723	11,844,886	12,207,781	12,320,429	12,375,681
12/31/2004	1,269,035	4,582,483	10,616,547	15,856,099	22,694,299	24,853,217	20,974,758	20,762,432	21,079,461	22,415,089	22,439,691
12/31/2005	1,802,377	4,426,880	8,378,457	11,623,174	15,943,251	16,723,515	16,864,788	17,213,160	18,684,091	18,929,823	19,022,665
12/31/2006	1,706,675	5,704,347	9,551,141	11,735,709	13,164,310	14,707,923	15,170,566	15,907,247	16,139,438	16,186,770	16,328,552
12/31/2007	1,642,963	4,620,656	9,024,126	10,631,958	11,372,976	11,951,429	12,152,116	12,160,814	12,205,270	12,180,409	12,185,738
12/31/2008	1,289,173	4,349,728	6,747,767	9,142,406	10,976,877	11,918,543	13,133,290	13,405,156	13,933,015	13,969,293	13,991,308
12/31/2009	1,621,079	4,286,014	9,711,677	13,082,224	15,172,893	15,831,946	16,156,132	16,913,365	17,827,316	18,210,760	
12/31/2010	1,325,792	4,482,737	7,076,277	9,885,363	11,142,560	12,475,211	13,173,153	12,891,550	12,918,856		
12/31/2011	693,628	3,554,195	10,564,392	13,367,952	16,583,199	17,859,072	19,360,604	19,728,810			
12/31/2012	1,042,818	3,932,123	10,354,351	12,521,509	12,435,082	13,311,164	13,343,910				
12/31/2013	2,430,691	6,483,204	8,475,450	10,569,143	14,602,621	14,996,153					
12/31/2014	2,758,097	7,897,562	11,971,432	20,683,896	22,309,006						
12/31/2015	997,161	4,462,890	7,679,122	9,119,227							
12/31/2016	2,820,902	5,338,450	8,043,766								
12/31/2017	1,948,556	5,781,899									
12/31/2018	1,051,869										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	27,943,305	27,992,815	28,007,902	28,011,224	28,012,829	28,016,599	28,016,599	28,016,599	28,016,599
12/31/2000	16,823,048	16,948,818	16,974,142	17,003,274	17,914,743	17,812,737	17,837,737	17,923,522	
12/31/2001	15,461,390	16,495,135	15,568,267	15,502,877	15,516,098	15,516,098	15,516,097		
12/31/2002	12,947,445	12,986,100	13,045,308	13,057,774	13,057,780	13,057,780			
12/31/2003	12,540,540	12,540,540	12,554,308	12,554,479	12,761,655				
12/31/2004	22,250,482	22,848,452	22,848,452	22,848,452					
12/31/2005	19,050,566	19,072,686	19,093,485						
12/31/2006	16,332,134	16,335,648							
12/31/2007	12,205,241								

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

	Increments												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	3,482,482	5,378,410	3,733,704	1,980,580	5,617,756	414,107	1,518,566	454,893	2,039,136	580,516	364,806	49,510	15,087
12/31/2000	3,035,369	4,815,427	2,863,329	1,686,618	710,787	249,900	668,506	495,947	331,628	100,012	207,452	125,770	25,324
12/31/2001	3,558,216	4,076,962	2,368,501	928,389	1,191,975	355,509	266,724	574,775	242,251	-143,733	497,409	1,033,745	-926,868
12/31/2002	3,051,355	2,300,267	2,427,107	2,154,279	401,786	312,140	262,388	44,518	45,308	30,646	90,572	38,655	59,208
12/31/2003	1,551,904	2,754,747	1,802,164	1,707,106	854,283	457,243	388,163	362,895	112,648	55,252	164,859	0	13,768
12/31/2004	3,313,448	6,034,064	5,239,552	6,838,200	2,158,918	-3,878,459	-212,326	317,029	1,335,628	24,602	-189,209	597,970	0
12/31/2005	2,624,503	3,951,577	3,244,717	4,320,077	780,264	141,273	348,372	1,470,931	245,732	92,842	27,901	22,120	20,799
12/31/2006	3,997,672	3,846,794	2,184,568	1,428,601	1,543,613	462,643	736,681	232,191	47,332	141,782	3,582	3,514	
12/31/2007	2,977,693	4,403,470	1,607,832	741,018	578,453	200,687	8,698	44,456	-24,861	5,329	19,503		
12/31/2008	3,060,555	2,398,039	2,394,639	1,834,471	941,666	1,214,747	271,866	527,859	36,278	22,015			
12/31/2009	2,664,935	5,425,663	3,370,547	2,090,669	659,053	324,186	757,233	913,951	383,444				
12/31/2010	3,156,945	2,593,540	2,809,086	1,257,197	1,332,651	697,942	-281,603	27,306					
12/31/2011	2,860,567	7,010,197	2,803,560	3,215,247	1,275,873	1,501,532	368,206						
12/31/2012	2,889,305	6,422,228	2,167,158	-86,427	876,082	32,746							
12/31/2013	4,052,513	1,992,246	2,093,693	4,033,478	393,532								
12/31/2014	5,139,465	4,073,870	8,712,464	1,625,110									
12/31/2015	3,465,729	3,216,232	1,440,105										
12/31/2016	2,517,548	2,705,316											
12/31/2017	3,833,343												

	Incremental Percentages												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.1352	0.2088	0.1449	0.0769	0.2181	0.0161	0.0589	0.0177	0.0792	0.0225	0.0142	0.0019	0.0006
12/31/2000	0.1105	0.1752	0.1042	0.0614	0.0259	0.0091	0.0243	0.0180	0.0121	0.0036	0.0075	0.0046	0.0009
12/31/2001	0.1609	0.1844	0.1071	0.0420	0.0539	0.0161	0.0121	0.0260	0.0110	-0.0065	0.0225	0.0467	-0.0419
12/31/2002	0.1533	0.1156	0.1220	0.1082	0.0202	0.0157	0.0132	0.0022	0.0023	0.0015	0.0046	0.0019	0.0030
12/31/2003	0.0858	0.1523	0.0996	0.0944	0.0472	0.0253	0.0215	0.0201	0.0062	0.0031	0.0091	0.0000	0.0008
12/31/2004	0.1274	0.2320	0.2014	0.2629	0.0830	-0.1491	-0.0082	0.0122	0.0513	0.0009	-0.0073	0.0230	0.0000
12/31/2005	0.1001	0.1507	0.1238	0.1648	0.0298	0.0054	0.0133	0.0561	0.0094	0.0035	0.0011	0.0008	0.0008
12/31/2006	0.1426	0.1373	0.0779	0.0510	0.0551	0.0165	0.0263	0.0083	0.0017	0.0051	0.0001	0.0001	
12/31/2007	0.1483	0.2193	0.0801	0.0369	0.0288	0.0100	0.0004	0.0022	-0.0012	0.0003	0.0010		
12/31/2008	0.2013	0.1578	0.1575	0.1207	0.0620	0.0799	0.0179	0.0347	0.0024	0.0014			
12/31/2009	0.1711	0.3483	0.2164	0.1342	0.0423	0.0208	0.0486	0.0587	0.0246				
12/31/2010	0.1961	0.1611	0.1745	0.0781	0.0828	0.0434	-0.0175	0.0017					
12/31/2011	0.1775	0.4350	0.1740	0.1995	0.0792	0.0932	0.0228						
12/31/2012	0.2035	0.4523	0.1526	-0.0061	0.0617	0.0023							
12/31/2013	0.2831	0.1392	0.1463	0.2818	0.0275								
12/31/2014	0.2640	0.2093	0.4475	0.0835									
12/31/2015	0.1565	0.1452	0.0650										
12/31/2016	0.1630	0.1751											
12/31/2017	0.2231												

Best 3/5	0.2167	0.1765	0.1576	0.1204	0.0611	0.0480	0.0137	0.0151	0.0045	0.0020	0.0007	0.0010	0.0005
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	232,311,073	312,802,088	354,540,567	359,463,342	358,551,576	354,980,459	352,824,218	349,492,872	349,391,115	349,810,791	350,316,155
12/31/2000	230,004,786	300,527,727	340,501,711	351,198,003	351,053,714	347,584,450	343,657,204	342,270,032	342,104,657	341,747,165	341,430,007
12/31/2001	219,972,081	276,972,377	313,736,350	330,805,233	331,106,782	325,930,795	323,232,030	320,499,723	320,218,366	319,448,220	320,081,469
12/31/2002	209,494,420	261,762,337	309,981,601	326,464,298	322,691,978	318,404,043	315,257,720	314,494,500	313,798,625	314,167,992	314,026,124
12/31/2003	219,563,502	294,453,392	340,129,346	336,560,034	328,624,426	325,214,707	321,047,759	319,707,916	319,156,240	319,278,328	319,253,044
12/31/2004	241,010,722	313,907,890	328,000,857	334,531,181	335,022,822	330,517,001	329,198,841	328,454,892	327,775,790	327,521,017	327,823,996
12/31/2005	252,263,140	291,866,064	333,851,878	348,275,561	340,191,926	336,849,500	333,602,120	332,013,605	331,351,434	331,138,624	330,843,018
12/31/2006	234,112,799	297,584,927	334,682,873	339,002,427	333,308,672	328,516,652	325,740,953	323,358,579	322,972,012	322,341,033	322,107,705
12/31/2007	276,278,553	345,444,060	386,931,015	393,649,932	385,256,082	379,825,371	376,710,085	376,220,363	375,424,996	375,116,831	375,125,396
12/31/2008	270,719,710	344,504,959	382,118,327	383,492,274	376,977,918	371,491,855	369,044,822	366,804,637	366,216,677	365,476,586	365,467,542
12/31/2009	295,009,003	374,508,630	412,741,507	418,367,337	411,218,741	408,021,867	404,226,596	402,300,231	401,205,900	401,085,597	
12/31/2010	318,089,453	400,566,337	442,883,319	447,743,258	439,757,804	437,224,578	434,630,594	433,001,394	432,335,373		
12/31/2011	314,429,344	406,263,249	449,259,679	451,923,444	443,809,152	439,864,065	436,269,573	436,347,166			
12/31/2012	259,449,420	340,061,043	370,484,446	374,297,860	372,750,410	370,143,138	368,869,326				
12/31/2013	288,779,292	364,207,914	404,526,631	420,737,086	423,479,851	423,231,120					
12/31/2014	289,452,595	379,647,371	445,118,394	472,315,318	474,352,682						
12/31/2015	279,449,252	379,938,471	455,610,590	478,948,576							
12/31/2016	261,164,252	373,416,530	447,973,874								
12/31/2017	290,260,204	411,754,570									
12/31/2018	325,506,351										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	350,348,083	350,557,208	350,277,151	350,376,174	350,181,469	350,308,566	350,443,894	350,286,794	350,372,675
12/31/2000	341,246,627	341,166,549	341,382,421	341,661,761	341,702,786	341,784,558	341,620,347	341,833,702	
12/31/2001	320,188,424	320,130,456	320,486,826	320,641,041	320,723,878	320,726,373	320,712,367		
12/31/2002	313,597,581	313,931,644	313,946,727	314,226,134	314,181,931	314,490,473			
12/31/2003	319,040,243	318,919,931	318,841,545	318,747,213	318,963,669				
12/31/2004	328,214,688	328,181,741	328,434,082	328,200,960					
12/31/2005	331,032,280	330,943,862	331,034,398						
12/31/2006	321,677,628	321,480,986							
12/31/2007	375,249,298								

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.346	1.133	1.014	0.997	0.990	0.994	0.991	1.000	1.001	1.001	1.000
12/31/2000	1.307	1.133	1.031	1.000	0.990	0.989	0.996	1.000	0.999	0.999	0.999
12/31/2001	1.259	1.133	1.054	1.001	0.984	0.992	0.992	0.999	0.998	1.002	1.000
12/31/2002	1.249	1.184	1.053	0.988	0.987	0.990	0.998	0.998	1.001	1.000	0.999
12/31/2003	1.341	1.155	0.990	0.976	0.990	0.987	0.996	0.998	1.000	1.000	0.999
12/31/2004	1.302	1.045	1.020	1.001	0.987	0.996	0.998	0.998	0.999	1.001	1.001
12/31/2005	1.157	1.144	1.043	0.977	0.990	0.990	0.995	0.998	0.999	0.999	1.001
12/31/2006	1.271	1.125	1.013	0.983	0.986	0.992	0.993	0.999	0.998	0.999	0.999
12/31/2007	1.250	1.120	1.017	0.979	0.986	0.992	0.999	0.998	0.999	1.000	1.000
12/31/2008	1.273	1.109	1.004	0.983	0.985	0.993	0.994	0.998	0.998	1.000	
12/31/2009	1.269	1.102	1.014	0.983	0.992	0.991	0.995	0.997	1.000		
12/31/2010	1.259	1.106	1.011	0.982	0.994	0.994	0.996	0.998			
12/31/2011	1.292	1.106	1.006	0.982	0.991	0.992	1.000				
12/31/2012	1.311	1.089	1.010	0.996	0.993	0.997					
12/31/2013	1.261	1.111	1.040	1.007	0.999						
12/31/2014	1.312	1.172	1.061	1.004							
12/31/2015	1.360	1.199	1.051								
12/31/2016	1.430	1.200									
12/31/2017	1.419										
3 Yr Mean	1.403	1.190	1.051	1.002	0.994	0.994	0.997	0.998	0.999	1.000	1.000
Best 3/5	1.364	1.161	1.034	0.994	0.993	0.993	0.997	0.998	0.999	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.001	0.999	1.000	0.999	1.000	1.000	1.000	1.000			
12/31/2000	1.000	1.001	1.001	1.000	1.000	1.000	1.001	1.000 *			
12/31/2001	1.000	1.001	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2002	1.001	1.000	1.001	1.000	1.001	1.000 *	1.000 *	1.000 *			
12/31/2003	1.000	1.000	1.000	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.000	1.001	0.999								
12/31/2005	1.000	1.000									
12/31/2006	0.999										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.001 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.993	0.993	0.997	0.998	0.999	1.000	1.000
12/31/2015				0.994	0.993	0.993	0.997	0.998	0.999	1.000	1.000
12/31/2016			1.034	0.994	0.993	0.993	0.997	0.998	0.999	1.000	1.000
12/31/2017		1.161	1.034	0.994	0.993	0.993	0.997	0.998	0.999	1.000	1.000
12/31/2018	1.364	1.161	1.034	0.994	0.993	0.993	0.997	0.998	0.999	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.980
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.974
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.007
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.170
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.595

* 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>
12/31/1999	8,538,646	12,012,618	14,637,847	14,913,943	14,535,047	14,334,985	14,322,525	14,758,608	14,423,696	14,411,942	14,368,193
12/31/2000	11,013,390	17,715,433	20,072,291	20,256,807	19,655,393	19,607,827	19,767,251	19,592,285	19,604,819	19,463,007	19,437,185
12/31/2001	14,563,152	20,422,218	23,698,056	22,711,160	22,365,390	22,503,602	22,480,004	22,753,187	22,637,878	22,829,880	22,797,755
12/31/2002	15,490,349	20,328,192	20,675,333	21,113,454	22,700,513	22,043,931	21,943,970	21,976,373	21,779,868	21,746,368	21,796,368
12/31/2003	14,988,982	21,165,493	19,313,372	22,379,491	23,401,445	22,416,954	21,944,605	21,715,616	21,693,793	21,707,916	21,834,326
12/31/2004	17,011,592	19,041,617	24,131,550	24,871,951	22,390,828	21,609,691	21,366,172	21,349,075	21,311,867	21,278,343	21,323,192
12/31/2005	13,764,888	18,173,496	20,117,634	18,835,245	18,326,074	17,864,696	17,743,889	17,876,426	17,708,376	17,681,780	17,778,235
12/31/2006	14,056,193	18,738,429	22,276,089	23,314,867	21,768,253	21,948,990	21,823,903	21,721,460	21,768,283	21,756,093	21,756,096
12/31/2007	15,295,136	19,777,791	22,493,926	22,770,290	22,370,904	21,892,384	21,780,048	21,965,712	21,890,146	21,782,213	21,721,120
12/31/2008	16,228,023	20,679,647	21,511,254	21,489,130	22,023,518	21,392,795	21,610,673	21,557,091	21,382,101	21,348,220	21,298,716
12/31/2009	13,745,402	16,036,264	18,715,379	19,364,805	19,109,372	19,198,191	19,091,189	19,050,311	19,073,436	19,188,155	
12/31/2010	11,468,531	13,997,542	17,080,778	17,180,114	16,643,081	16,317,492	16,148,798	16,107,192	16,084,576		
12/31/2011	11,624,322	15,537,840	17,522,781	18,617,665	18,382,297	18,311,874	18,219,785	18,159,321			
12/31/2012	9,995,748	13,788,326	14,439,247	15,067,349	14,631,561	14,546,719	15,018,586				
12/31/2013	13,138,988	15,876,686	19,053,251	20,446,262	19,901,682	20,100,166					
12/31/2014	11,966,105	16,999,205	19,728,055	20,845,149	21,008,957						
12/31/2015	16,715,568	24,045,619	27,824,565	29,737,156							
12/31/2016	14,809,465	20,900,481	25,715,662								
12/31/2017	16,361,632	24,991,118									
12/31/2018	19,155,846										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/1999	14,367,094	14,367,094	14,412,344	14,462,344	14,462,344	14,462,344	14,462,344	14,463,344	14,462,344		
12/31/2000	19,437,184	19,439,434	19,444,434	19,444,434	19,444,434	19,444,434	19,544,436	19,544,434			
12/31/2001	22,898,754	22,897,753	22,900,252	22,897,753	22,897,754	22,997,754	22,997,753				
12/31/2002	21,795,231	21,771,282	21,976,585	21,926,663	22,027,025	22,027,025					
12/31/2003	21,861,958	21,877,765	21,927,765	21,927,765	21,943,765						
12/31/2004	21,308,342	21,308,342	21,308,342	21,308,342							
12/31/2005	17,778,200	17,773,200	17,773,200								
12/31/2006	21,706,226	21,706,226									
12/31/2007	21,681,620										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.407	1.219	1.019	0.975	0.986	0.999	1.030	0.977	0.999	0.997	1.000
12/31/2000	1.609	1.133	1.009	0.970	0.998	1.008	0.991	1.001	0.993	0.999	1.000
12/31/2001	1.402	1.160	0.958	0.985	1.006	0.999	1.012	0.995	1.008	0.999	1.004
12/31/2002	1.312	1.017	1.021	1.075	0.971	0.995	1.001	0.991	0.998	1.002	1.000
12/31/2003	1.412	0.912	1.159	1.046	0.958	0.979	0.990	0.999	1.001	1.006	1.001
12/31/2004	1.119	1.267	1.031	0.900	0.965	0.989	0.999	0.998	0.998	1.002	0.999
12/31/2005	1.320	1.107	0.936	0.973	0.975	0.993	1.007	0.991	0.998	1.005	1.000
12/31/2006	1.333	1.189	1.047	0.934	1.008	0.994	0.995	1.002	0.999	1.000	0.998
12/31/2007	1.293	1.137	1.012	0.982	0.979	0.995	1.009	0.997	0.995	0.997	0.998
12/31/2008	1.274	1.040	0.999	1.025	0.971	1.010	0.998	0.992	0.998	0.998	
12/31/2009	1.167	1.167	1.035	0.987	1.005	0.994	0.998	1.001	1.006		
12/31/2010	1.221	1.220	1.006	0.969	0.980	0.990	0.997	0.999			
12/31/2011	1.337	1.128	1.062	0.987	0.996	0.995	0.997				
12/31/2012	1.379	1.047	1.043	0.971	0.994	1.032					
12/31/2013	1.208	1.200	1.073	0.973	1.010						
12/31/2014	1.421	1.161	1.057	1.008							
12/31/2015	1.439	1.157	1.069								
12/31/2016	1.411	1.230									
12/31/2017	1.527										

3 Yr Mean 1.459 1.183 1.066 0.984 1.000 1.006 0.997 0.997 1.000 0.998 0.999

Best 3/5 1.424 1.173 1.063 0.977 0.998 1.000 0.998 0.999 0.998 1.000 0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.000	1.003	1.003	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.005	1.000	1.000 *			
12/31/2001	1.000	1.000	1.000	1.000	1.004	1.000	1.000 *	1.000 *			
12/31/2002	0.999	1.009	0.998	1.005	1.000	1.000 *	1.000 *	1.000 *			
12/31/2003	1.001	1.002	1.000	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										

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

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.998	1.000	0.998	0.999	0.998	1.000	0.999
12/31/2015				0.977	0.998	1.000	0.998	0.999	0.998	1.000	0.999
12/31/2016			1.063	0.977	0.998	1.000	0.998	0.999	0.998	1.000	0.999
12/31/2017		1.173	1.063	0.977	0.998	1.000	0.998	0.999	0.998	1.000	0.999
12/31/2018	1.424	1.173	1.063	0.977	0.998	1.000	0.998	0.999	0.998	1.000	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2014	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.993
12/31/2015	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.970
12/31/2016	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.031
12/31/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.210
12/31/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.723

* 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>
12/31/1999	32,303,803	57,508,662	85,608,484	107,784,865	121,028,524	128,723,660	131,806,568	134,006,609	134,762,234	137,289,300	137,896,205
12/31/2000	32,154,786	57,552,676	91,932,155	113,012,124	126,211,140	133,488,645	137,705,150	141,110,024	141,918,864	141,872,467	143,485,585
12/31/2001	31,550,208	57,097,966	86,802,444	113,653,560	129,411,223	138,748,931	143,047,011	146,186,353	149,456,866	151,270,613	152,072,326
12/31/2002	32,043,229	56,155,290	91,288,847	118,235,604	134,234,735	140,449,497	143,911,852	146,238,750	146,270,378	147,833,390	148,107,347
12/31/2003	32,962,524	63,156,097	97,975,786	123,425,989	138,206,341	142,603,947	144,985,838	147,194,669	148,607,163	149,264,824	149,916,191
12/31/2004	31,875,206	64,617,279	97,160,074	123,275,612	137,179,478	142,218,499	145,312,876	147,114,230	149,077,674	149,462,737	150,323,053
12/31/2005	27,701,877	56,341,224	92,860,806	122,918,407	135,160,309	142,268,706	145,455,265	147,443,180	148,836,612	150,049,389	150,818,443
12/31/2006	29,429,635	61,658,499	102,900,791	129,070,618	144,118,953	151,458,358	155,546,019	155,465,184	156,871,333	158,277,125	158,897,242
12/31/2007	28,626,209	65,224,976	112,654,474	146,467,935	160,330,159	166,515,189	169,798,535	172,008,118	173,973,142	174,051,041	174,011,205
12/31/2008	27,127,845	66,129,491	112,865,009	153,755,623	171,160,730	177,018,105	181,395,105	183,216,459	184,363,096	184,503,705	185,071,858
12/31/2009	33,214,426	73,876,887	125,631,531	162,791,393	180,046,163	188,981,259	195,120,351	199,497,579	199,934,804	203,620,966	
12/31/2010	35,134,436	86,928,189	141,923,220	179,037,089	196,324,553	204,160,179	208,542,216	211,648,661	212,688,326		
12/31/2011	39,878,509	87,756,652	145,035,583	183,372,970	199,674,718	207,564,352	213,075,865	214,603,168			
12/31/2012	31,726,749	76,247,757	126,267,961	162,411,837	182,272,405	188,430,454	191,760,129				
12/31/2013	40,655,046	90,722,826	144,941,666	194,611,561	214,068,150	220,540,061					
12/31/2014	41,491,735	96,298,615	161,331,205	203,487,946	225,866,853						
12/31/2015	42,434,149	95,149,577	157,925,386	197,395,071							
12/31/2016	39,380,097	86,479,027	148,904,771								
12/31/2017	39,088,736	91,299,801									
12/31/2018	46,083,679										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	138,545,127	138,773,948	138,924,859	139,034,192	139,189,019	139,430,179	139,500,297	139,458,715	139,621,592
12/31/2000	145,169,995	144,043,754	145,149,192	145,617,734	146,164,628	146,267,022	146,331,809	146,498,417	
12/31/2001	152,169,199	153,222,883	154,230,120	155,297,186	155,383,884	155,696,785	156,301,365		
12/31/2002	148,055,789	148,706,082	148,996,729	149,191,807	149,463,577	149,695,137			
12/31/2003	150,719,111	151,040,852	150,967,462	150,928,746	151,092,806				
12/31/2004	151,102,248	151,971,100	153,497,880	156,707,937					
12/31/2005	152,386,675	151,007,857	151,457,762						
12/31/2006	158,848,478	159,485,639							
12/31/2007	174,021,780								

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												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	25,204,859	28,099,822	22,176,381	13,243,659	7,695,136	3,082,908	2,200,041	755,625	2,527,066	606,905	648,922	228,821	150,911
12/31/2000	25,397,890	34,379,479	21,079,969	13,199,016	7,277,505	4,216,505	3,404,874	808,840	-46,397	1,613,118	1,684,410	-1,126,241	1,105,438
12/31/2001	25,547,758	29,704,478	26,851,116	15,757,663	9,337,708	4,298,080	3,139,342	3,270,513	1,813,747	801,713	96,873	1,053,684	1,007,237
12/31/2002	24,112,061	35,133,557	26,946,757	15,999,131	6,214,762	3,462,355	2,326,898	31,628	1,563,012	273,957	-51,558	650,293	290,647
12/31/2003	30,193,573	34,819,689	25,450,203	14,780,352	4,397,606	2,381,891	2,208,831	1,412,494	657,661	651,367	802,920	321,741	-73,390
12/31/2004	32,742,073	32,542,795	26,115,538	13,903,866	5,039,021	3,094,377	1,801,354	1,963,444	385,063	860,316	779,195	868,852	1,526,780
12/31/2005	28,639,347	36,519,582	30,057,601	12,241,902	7,108,397	3,186,559	1,987,915	1,393,432	1,212,777	769,054	1,568,232	-1,378,818	449,905
12/31/2006	32,228,864	41,242,292	26,169,827	15,048,335	7,339,405	4,087,661	-80,835	1,406,149	1,405,792	620,117	-48,764	637,161	
12/31/2007	36,598,767	47,429,498	33,813,461	13,862,224	6,185,030	3,283,346	2,209,583	1,965,024	77,899	-39,836	10,575		
12/31/2008	39,001,646	46,735,518	40,890,614	17,405,107	5,857,375	4,377,000	1,821,354	1,146,637	140,609	568,153			
12/31/2009	40,662,461	51,754,644	37,159,862	17,254,770	8,935,096	6,139,092	4,377,228	437,225	3,686,162				
12/31/2010	51,793,753	54,995,031	37,113,869	17,287,464	7,835,626	4,382,037	3,106,445	1,039,665					
12/31/2011	47,878,143	57,278,931	38,337,387	16,301,748	7,889,634	5,511,513	1,527,303						
12/31/2012	44,521,008	50,020,204	36,143,876	19,860,568	6,158,049	3,329,675							
12/31/2013	50,067,780	54,218,840	49,669,895	19,456,589	6,471,911								
12/31/2014	54,806,880	65,032,590	42,156,741	22,378,907									
12/31/2015	52,715,428	62,775,809	39,469,685										
12/31/2016	47,098,930	62,425,744											
12/31/2017	52,211,065												

A.Y.E.	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.0522	0.0582	0.0459	0.0274	0.0159	0.0064	0.0046	0.0016	0.0052	0.0013	0.0013	0.0005	0.0003
12/31/2000	0.0531	0.0719	0.0441	0.0276	0.0152	0.0088	0.0071	0.0017	-0.0001	0.0034	0.0035	-0.0024	0.0023
12/31/2001	0.0547	0.0636	0.0575	0.0337	0.0200	0.0092	0.0067	0.0070	0.0039	0.0017	0.0002	0.0023	0.0022
12/31/2002	0.0524	0.0763	0.0585	0.0347	0.0135	0.0075	0.0051	0.0001	0.0034	0.0006	-0.0001	0.0014	0.0006
12/31/2003	0.0654	0.0754	0.0551	0.0320	0.0095	0.0052	0.0048	0.0031	0.0014	0.0014	0.0017	0.0007	-0.0002
12/31/2004	0.0684	0.0680	0.0545	0.0290	0.0105	0.0065	0.0038	0.0041	0.0008	0.0018	0.0016	0.0018	0.0032
12/31/2005	0.0585	0.0746	0.0614	0.0250	0.0145	0.0065	0.0041	0.0028	0.0025	0.0016	0.0032	-0.0028	0.0009
12/31/2006	0.0668	0.0855	0.0542	0.0312	0.0152	0.0085	-0.0002	0.0029	0.0029	0.0013	-0.0001	0.0013	
12/31/2007	0.0632	0.0819	0.0584	0.0239	0.0107	0.0057	0.0038	0.0034	0.0001	-0.0001	0.0000		
12/31/2008	0.0708	0.0848	0.0742	0.0316	0.0106	0.0079	0.0033	0.0021	0.0003	0.0010			
12/31/2009	0.0670	0.0852	0.0612	0.0284	0.0147	0.0101	0.0072	0.0007	0.0061				
12/31/2010	0.0782	0.0830	0.0560	0.0261	0.0118	0.0066	0.0047	0.0016					
12/31/2011	0.0715	0.0855	0.0572	0.0243	0.0118	0.0082	0.0023						
12/31/2012	0.0756	0.0849	0.0614	0.0337	0.0105	0.0057							
12/31/2013	0.0735	0.0796	0.0729	0.0286	0.0095								
12/31/2014	0.0729	0.0865	0.0561	0.0298									
12/31/2015	0.0688	0.0819	0.0515										
12/31/2016	0.0614	0.0814											
12/31/2017	0.0645												

Best 3/5	0.0687	0.0827	0.0582	0.0281	0.0114	0.0076	0.0039	0.0022	0.0019	0.0013	0.0011	0.0011	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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	36,740,417	42,616,494	47,101,608	47,925,423	48,157,506	47,484,348	47,127,145	47,739,493	47,674,627	47,940,169	47,912,105
12/31/2000	36,980,522	41,964,396	44,320,899	45,244,022	46,353,399	46,004,451	45,805,093	45,488,681	46,145,906	46,384,156	46,511,986
12/31/2001	33,332,155	38,003,484	40,807,952	41,906,650	42,618,919	43,468,104	43,540,242	44,283,065	44,688,802	44,969,141	45,165,512
12/31/2002	30,608,063	33,614,298	35,910,125	37,992,740	39,007,475	39,468,662	39,408,825	39,587,176	39,480,220	39,636,753	40,077,881
12/31/2003	30,724,490	33,552,869	35,562,932	37,251,341	39,169,625	39,216,206	39,414,026	39,140,268	39,350,127	39,436,824	39,592,506
12/31/2004	30,205,975	34,739,906	35,483,344	36,516,185	38,593,609	38,105,175	38,146,209	38,215,365	38,577,608	39,121,935	39,101,053
12/31/2005	27,797,213	31,110,692	32,838,773	33,896,266	34,338,261	34,309,032	34,416,823	34,801,631	34,801,675	35,032,757	34,649,119
12/31/2006	29,196,235	29,925,419	31,517,450	32,588,084	33,176,580	33,827,043	34,264,893	34,508,395	34,915,978	34,936,505	35,211,380
12/31/2007	32,539,097	35,353,420	36,600,639	38,673,407	38,085,118	38,040,730	39,070,692	39,846,041	39,975,687	40,072,286	40,062,204
12/31/2008	33,842,607	36,640,539	38,347,806	38,594,051	39,165,634	39,992,847	39,701,225	38,928,562	39,377,419	39,355,654	39,457,704
12/31/2009	34,146,330	38,015,094	40,273,405	40,758,285	41,196,078	41,489,753	41,559,065	41,942,595	42,157,404	42,498,454	
12/31/2010	38,164,503	42,213,463	42,919,163	44,036,030	43,457,328	43,153,767	43,634,814	44,032,419	44,044,238		
12/31/2011	44,113,989	47,370,750	49,107,677	49,354,777	49,703,813	49,891,085	50,238,190	50,899,934			
12/31/2012	37,968,709	40,573,504	42,455,285	42,942,253	43,125,366	43,130,412	43,799,571				
12/31/2013	40,702,666	45,077,040	45,940,232	47,703,412	48,376,990	49,617,109					
12/31/2014	43,354,055	44,018,801	46,419,930	48,099,467	49,143,025						
12/31/2015	39,365,056	43,186,869	48,568,184	51,598,671							
12/31/2016	33,916,413	40,596,348	43,865,702								
12/31/2017	38,284,028	46,716,621									
12/31/2018	42,298,731										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/1999	48,031,063	47,908,704	47,985,017	48,148,809	48,142,945	48,135,886	48,295,238	48,496,381	48,579,792		
12/31/2000	46,597,250	46,720,989	46,955,256	46,959,495	47,069,598	47,107,547	47,147,044	47,221,046			
12/31/2001	45,400,639	45,688,941	45,427,354	45,495,633	45,515,103	45,663,838	45,701,394				
12/31/2002	40,155,500	40,120,633	40,385,631	40,339,821	40,552,739	40,687,605					
12/31/2003	39,778,580	39,746,754	39,732,106	39,837,189	39,900,291						
12/31/2004	39,088,331	39,091,337	39,191,414	39,328,453							
12/31/2005	34,748,594	34,699,059	34,690,822								
12/31/2006	35,251,197	35,372,067									
12/31/2007	40,008,178										

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INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.160	1.105	1.017	1.005	0.986	0.992	1.013	0.999	1.006	0.999	1.002
12/31/2000	1.135	1.056	1.021	1.025	0.992	0.996	0.993	1.014	1.005	1.003	1.002
12/31/2001	1.140	1.074	1.027	1.017	1.020	1.002	1.017	1.009	1.006	1.004	1.005
12/31/2002	1.098	1.068	1.058	1.027	1.012	0.998	1.005	0.997	1.004	1.011	1.002
12/31/2003	1.092	1.060	1.047	1.051	1.001	1.005	0.993	1.005	1.002	1.004	1.005
12/31/2004	1.150	1.021	1.029	1.057	0.987	1.001	1.002	1.009	1.014	0.999	1.000
12/31/2005	1.119	1.056	1.032	1.013	0.999	1.003	1.011	1.000	1.007	0.989	1.003
12/31/2006	1.025	1.053	1.034	1.018	1.020	1.013	1.007	1.012	1.001	1.008	1.001
12/31/2007	1.086	1.035	1.057	0.985	0.999	1.027	1.020	1.003	1.002	1.000	0.999
12/31/2008	1.083	1.047	1.006	1.015	1.021	0.993	0.981	1.012	0.999	1.003	
12/31/2009	1.113	1.059	1.012	1.011	1.007	1.002	1.009	1.005	1.008		
12/31/2010	1.106	1.017	1.026	0.987	0.993	1.011	1.009	1.000			
12/31/2011	1.074	1.037	1.005	1.007	1.004	1.007	1.013				
12/31/2012	1.069	1.046	1.011	1.004	1.000	1.016					
12/31/2013	1.107	1.019	1.038	1.014	1.026						
12/31/2014	1.015	1.055	1.036	1.022							
12/31/2015	1.097	1.125	1.062								
12/31/2016	1.197	1.081									
12/31/2017	1.220										

3 Yr Mean 1.171 1.087 1.045 1.013 1.010 1.011 1.010 1.006 1.003 1.004 1.001

Best 3/5 1.134 1.061 1.028 1.008 1.004 1.007 1.010 1.007 1.003 1.001 1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.997	1.002	1.003	1.000	1.000	1.003	1.004	1.002			
12/31/2000	1.003	1.005	1.000	1.002	1.001	1.001	1.002	1.002 *			
12/31/2001	1.006	0.994	1.002	1.000	1.003	1.001	1.002 *	1.002 *			
12/31/2002	0.999	1.007	0.999	1.005	1.003	1.002 *	1.002 *	1.002 *			
12/31/2003	0.999	1.000	1.003	1.002	1.001 *	1.002 *	1.002 *	1.002 *			
12/31/2004	1.000	1.003	1.003								
12/31/2005	0.999	1.000									
12/31/2006	1.003										

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

Best 3/5 0.999 1.001 1.002 1.001 1.002 * 1.002 * 1.002 * 1.002 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.004	1.007	1.010	1.007	1.003	1.001	1.001
12/31/2015				1.008	1.004	1.007	1.010	1.007	1.003	1.001	1.001
12/31/2016			1.028	1.008	1.004	1.007	1.010	1.007	1.003	1.001	1.001
12/31/2017		1.061	1.028	1.008	1.004	1.007	1.010	1.007	1.003	1.001	1.001
12/31/2018	1.134	1.061	1.028	1.008	1.004	1.007	1.010	1.007	1.003	1.001	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2014	0.999	1.001	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.053
12/31/2015	0.999	1.001	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.062
12/31/2016	0.999	1.001	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.091
12/31/2017	0.999	1.001	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.158
12/31/2018	0.999	1.001	1.002	1.001	1.002	1.002	1.002	1.002	1.008*	1.313

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	2,383,124	2,530,607	2,898,153	2,854,313	3,071,662	3,082,149	3,204,617	3,466,988	3,629,131	3,574,240	3,514,349
12/31/2000	1,949,349	1,937,016	2,220,791	2,433,415	2,406,057	2,442,971	2,555,148	2,452,148	2,452,147	2,456,150	2,456,649
12/31/2001	2,526,742	2,590,426	2,916,762	2,975,156	2,990,184	3,198,135	3,040,068	3,037,666	3,192,624	3,202,570	3,376,935
12/31/2002	1,764,634	2,102,190	2,355,043	2,143,481	2,200,715	2,150,157	2,057,068	2,038,349	2,049,848	2,056,348	2,055,348
12/31/2003	1,986,953	2,215,675	2,187,996	2,660,852	2,623,248	2,629,141	2,702,496	2,709,280	2,706,931	2,657,430	2,623,897
12/31/2004	2,140,606	2,591,098	2,613,541	3,402,237	3,174,118	3,275,050	3,113,224	3,122,294	3,115,344	3,217,406	3,216,005
12/31/2005	1,826,381	2,084,945	2,631,841	2,523,896	2,579,261	2,576,748	2,681,197	2,925,196	2,730,775	2,742,920	2,747,018
12/31/2006	2,057,024	2,102,500	2,277,374	2,453,587	2,627,181	2,441,554	2,562,654	2,831,176	2,728,525	2,828,524	2,763,863
12/31/2007	1,807,132	2,162,227	2,236,262	2,336,156	2,363,018	2,378,930	2,290,355	2,287,430	2,287,430	2,287,430	2,287,431
12/31/2008	1,860,541	1,975,367	1,948,276	2,180,686	2,157,987	2,116,987	2,185,477	2,188,476	2,155,477	2,155,478	2,186,787
12/31/2009	1,770,063	1,822,777	1,872,174	1,987,571	1,944,051	1,922,868	1,914,990	1,967,568	1,967,568	1,968,568	
12/31/2010	1,719,867	1,840,615	1,946,882	1,987,027	1,980,528	2,030,528	2,055,534	2,029,539	1,929,738		
12/31/2011	1,475,610	1,706,176	2,024,406	2,090,314	2,272,143	2,257,256	2,309,355	2,206,855			
12/31/2012	1,323,063	1,688,664	1,924,706	2,012,018	1,979,123	1,984,657	2,084,646				
12/31/2013	2,252,559	2,544,869	2,198,827	2,291,857	2,238,506	2,288,506					
12/31/2014	2,279,612	2,059,556	2,097,725	2,135,884	2,006,269						
12/31/2015	3,146,860	3,407,776	3,484,483	3,531,696							
12/31/2016	2,157,124	2,351,405	2,709,534								
12/31/2017	2,925,114	3,510,115									
12/31/2018	2,957,973										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/1999	3,511,548	3,506,548	3,504,923	3,502,423	3,502,323	3,502,323	3,502,323	3,502,323	3,502,323		
12/31/2000	2,456,149	2,452,774	2,453,083	2,453,185	2,453,184	2,453,184	2,553,184	2,553,184			
12/31/2001	3,278,407	3,300,685	3,175,684	3,175,684	3,190,147	3,290,148	3,290,147				
12/31/2002	2,063,848	2,063,848	2,063,848	2,063,848	2,163,848	2,155,570					
12/31/2003	2,635,260	2,735,261	2,743,161	3,032,262	3,035,158						
12/31/2004	3,315,506	3,317,381	3,317,281	3,317,381							
12/31/2005	2,745,691	2,741,888	2,741,310								
12/31/2006	2,859,324	2,934,695									
12/31/2007	2,282,430										

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INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.062	1.145	0.985	1.076	1.003	1.040	1.082	1.047	0.985	0.983	0.999
12/31/2000	0.994	1.147	1.096	0.989	1.015	1.046	0.960	1.000	1.002	1.000	1.000
12/31/2001	1.025	1.126	1.020	1.005	1.070	0.951	0.999	1.051	1.003	1.054	0.971
12/31/2002	1.191	1.120	0.910	1.027	0.977	0.957	0.991	1.006	1.003	1.000	1.004
12/31/2003	1.115	0.988	1.216	0.986	1.002	1.028	1.003	0.999	0.982	0.987	1.004
12/31/2004	1.210	1.009	1.302	0.933	1.032	0.951	1.003	0.998	1.033	1.000	1.031
12/31/2005	1.142	1.262	0.959	1.022	0.999	1.041	1.091	0.934	1.004	1.001	1.000
12/31/2006	1.022	1.083	1.077	1.071	0.929	1.050	1.105	0.964	1.037	0.977	1.035
12/31/2007	1.196	1.034	1.045	1.011	1.007	0.963	0.999	1.000	1.000	1.000	0.998
12/31/2008	1.062	0.986	1.119	0.990	0.981	1.032	1.001	0.985	1.000	1.015	
12/31/2009	1.030	1.027	1.062	0.978	0.989	0.996	1.027	1.000	1.001		
12/31/2010	1.070	1.058	1.021	0.997	1.025	1.012	0.987	0.951			
12/31/2011	1.156	1.187	1.033	1.087	0.993	1.023	0.956				
12/31/2012	1.276	1.140	1.045	0.984	1.003	1.050					
12/31/2013	1.130	0.864	1.042	0.977	1.022						
12/31/2014	0.903	1.019	1.018	0.939							
12/31/2015	1.083	1.023	1.014								
12/31/2016	1.090	1.152									
12/31/2017	1.200										

3 Yr Mean	1.124	1.065	1.025	0.967	1.006	1.028	0.990	0.979	1.000	0.997	1.011
Best 3/5	1.101	1.061	1.031	0.986	1.006	1.022	0.996	0.983	1.002	1.000	1.012

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
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	1.041	1.000	1.001 *			
12/31/2001	1.007	0.962	1.000	1.005	1.031	1.000	1.001 *	1.001 *			
12/31/2002	1.000	1.000	1.000	1.048	0.996	1.001 *	1.001 *	1.001 *			
12/31/2003	1.038	1.003	1.105	1.001	1.002 *	1.001 *	1.001 *	1.001 *			
12/31/2004	1.001	1.000	1.000								
12/31/2005	0.999	1.000									
12/31/2006	1.026										

3 Yr Mean	1.009	1.001	1.035	1.018	1.009 @	1.014 @	1.000 @	1.000 @			
Best 3/5	1.009	1.000	1.000	1.002	1.001 *	1.001 *	1.001 *	1.001 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.006	1.022	0.996	0.983	1.002	1.000	1.012
12/31/2015				0.986	1.006	1.022	0.996	0.983	1.002	1.000	1.012
12/31/2016			1.031	0.986	1.006	1.022	0.996	0.983	1.002	1.000	1.012
12/31/2017		1.061	1.031	0.986	1.006	1.022	0.996	0.983	1.002	1.000	1.012
12/31/2018	1.101	1.061	1.031	0.986	1.006	1.022	0.996	0.983	1.002	1.000	1.012

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.009	1.000	1.000	1.002	1.001	1.001	1.001	1.001	1.004*	1.040
12/31/2015	1.009	1.000	1.000	1.002	1.001	1.001	1.001	1.001	1.004*	1.026
12/31/2016	1.009	1.000	1.000	1.002	1.001	1.001	1.001	1.001	1.004*	1.057
12/31/2017	1.009	1.000	1.000	1.002	1.001	1.001	1.001	1.001	1.004*	1.122
12/31/2018	1.009	1.000	1.000	1.002	1.001	1.001	1.001	1.001	1.004*	1.235

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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FULL COVERAGE
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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>
12/31/1999	4,584,744	7,596,158	12,674,037	16,005,166	18,296,596	20,233,223	21,749,906	22,945,988	23,690,529	25,014,152	26,330,430
12/31/2000	3,543,605	10,291,234	13,642,737	17,216,163	20,042,350	24,014,661	21,820,508	25,916,273	26,776,879	27,350,880	27,710,262
12/31/2001	6,433,423	12,046,038	17,100,765	21,748,680	25,490,073	30,401,889	34,167,095	37,838,930	40,272,159	40,354,561	41,317,395
12/31/2002	3,116,863	6,826,384	11,047,080	16,421,040	22,838,904	26,251,370	28,098,051	28,704,641	29,259,894	29,560,560	29,669,284
12/31/2003	3,762,819	7,906,513	12,463,301	16,070,226	20,536,992	23,055,538	24,702,305	24,959,068	25,352,083	26,101,411	26,515,339
12/31/2004	4,641,884	8,642,176	13,467,258	16,983,351	20,168,826	22,341,360	23,067,568	23,640,836	23,902,279	24,281,731	24,784,918
12/31/2005	2,651,588	7,136,570	10,956,672	14,630,241	18,018,937	19,411,314	21,353,710	23,633,764	25,060,409	25,967,614	28,844,706
12/31/2006	3,205,735	6,989,506	12,101,551	16,283,989	20,140,931	22,923,774	24,235,171	24,669,558	26,351,403	26,207,971	26,684,409
12/31/2007	4,905,791	8,580,861	12,230,526	15,764,717	18,499,239	20,562,153	22,500,345	23,428,528	23,892,442	24,560,267	24,702,086
12/31/2008	4,205,312	9,821,495	14,488,231	20,365,841	25,238,865	27,874,262	29,250,202	30,550,126	32,793,189	33,175,177	33,484,901
12/31/2009	4,486,916	9,734,658	14,839,903	20,212,769	23,482,869	25,350,495	26,198,695	27,367,898	27,878,681	32,469,169	
12/31/2010	5,064,907	10,947,625	15,887,454	20,898,201	23,336,381	25,680,918	28,242,786	29,103,202	29,404,693		
12/31/2011	6,076,695	12,733,640	19,261,010	24,210,200	27,521,603	29,446,814	30,099,746	31,599,004			
12/31/2012	5,911,568	10,542,662	17,090,637	22,192,625	27,467,453	29,874,149	30,691,542				
12/31/2013	5,517,818	10,859,574	16,546,734	20,192,651	21,853,887	26,952,023					
12/31/2014	5,617,720	9,244,491	14,545,963	18,131,855	21,548,386						
12/31/2015	6,871,987	12,126,249	19,058,104	24,483,602							
12/31/2016	4,797,843	10,094,929	16,934,014								
12/31/2017	6,442,740	13,308,361									
12/31/2018	6,196,704										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	26,649,705	27,261,684	27,261,885	27,675,855	27,817,793	27,975,717	28,007,836	28,236,999	28,263,089
12/31/2000	27,914,751	28,210,555	28,409,779	28,427,001	28,416,138	28,471,709	28,515,386	28,530,375	
12/31/2001	42,308,954	42,629,682	42,612,510	42,805,179	42,916,956	42,945,290	42,972,787		
12/31/2002	29,635,098	29,773,212	29,721,796	29,790,897	29,838,382	29,924,982			
12/31/2003	26,319,022	26,364,712	26,565,274	26,555,664	26,579,844				
12/31/2004	25,150,962	25,552,781	25,825,105	25,831,169					
12/31/2005	28,962,707	28,992,761	29,061,198						
12/31/2006	26,917,113	26,806,503							
12/31/2007	25,126,470								

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FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR INCREMENTAL ALAE DEVELOPMENT

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	3,011,414	5,077,879	3,331,129	2,291,430	1,936,627	1,516,683	1,196,082	744,541	1,323,623	1,316,278	319,275	611,979	201
12/31/2000	6,747,629	3,351,503	3,573,426	2,826,187	3,972,311	-2,194,153	4,095,765	860,606	574,001	359,382	204,489	295,804	199,224
12/31/2001	5,612,615	5,054,727	4,647,915	3,741,393	4,911,816	3,765,206	3,671,835	2,433,229	82,402	962,834	991,559	320,728	-17,172
12/31/2002	3,709,521	4,220,696	5,373,960	6,417,864	3,412,466	1,846,681	606,590	555,253	300,666	108,724	-34,186	138,114	-51,416
12/31/2003	4,143,694	4,556,788	3,606,925	4,466,766	2,518,546	1,646,767	256,763	393,015	749,328	413,928	-196,317	45,690	200,562
12/31/2004	4,000,292	4,825,082	3,516,093	3,185,475	2,172,534	726,208	573,268	261,443	379,452	503,187	366,044	401,819	272,324
12/31/2005	4,484,982	3,820,102	3,673,569	3,388,696	1,392,377	1,942,396	2,280,054	1,426,645	907,205	2,877,092	118,001	30,054	68,437
12/31/2006	3,783,771	5,112,045	4,182,438	3,856,942	2,782,843	1,311,397	434,387	1,681,845	-143,432	476,438	232,704	-110,610	
12/31/2007	3,675,070	3,649,665	3,534,191	2,734,522	2,062,914	1,938,192	928,183	463,914	667,825	141,819	424,384		
12/31/2008	5,616,183	4,666,736	5,877,610	4,873,024	2,635,397	1,375,940	1,299,924	2,243,063	381,988	309,724			
12/31/2009	5,247,742	5,105,245	5,372,866	3,270,100	1,867,626	848,200	1,169,203	510,783	4,590,488				
12/31/2010	5,882,718	4,939,829	5,010,747	2,438,180	2,344,537	2,561,868	860,416	301,491					
12/31/2011	6,656,945	6,527,370	4,949,190	3,311,403	1,925,211	652,932	1,499,258						
12/31/2012	4,631,094	6,547,975	5,101,988	5,274,828	2,406,696	817,393							
12/31/2013	5,341,756	5,687,160	5,645,917	1,661,236	5,098,136								
12/31/2014	3,626,771	5,301,472	3,585,892	3,416,531									
12/31/2015	5,254,262	6,931,855	5,425,498										
12/31/2016	5,297,086	6,839,085											
12/31/2017	6,865,621												

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0463	0.0780	0.0512	0.0352	0.0298	0.0233	0.0184	0.0114	0.0203	0.0202	0.0049	0.0094	0.0000
12/31/2000	0.1120	0.0556	0.0593	0.0469	0.0659	-0.0364	0.0680	0.0143	0.0095	0.0060	0.0034	0.0049	0.0033
12/31/2001	0.0895	0.0806	0.0742	0.0597	0.0784	0.0601	0.0586	0.0388	0.0013	0.0154	0.0158	0.0051	-0.0003
12/31/2002	0.0645	0.0733	0.0934	0.1115	0.0593	0.0321	0.0105	0.0096	0.0052	0.0019	-0.0006	0.0024	-0.0009
12/31/2003	0.0783	0.0861	0.0682	0.0844	0.0476	0.0311	0.0049	0.0074	0.0142	0.0078	-0.0037	0.0009	0.0038
12/31/2004	0.0756	0.0912	0.0665	0.0602	0.0411	0.0137	0.0108	0.0049	0.0072	0.0095	0.0069	0.0076	0.0051
12/31/2005	0.0982	0.0837	0.0805	0.0742	0.0305	0.0425	0.0499	0.0313	0.0199	0.0630	0.0026	0.0007	0.0015
12/31/2006	0.0824	0.1113	0.0911	0.0840	0.0606	0.0286	0.0095	0.0366	-0.0031	0.0104	0.0051	-0.0024	
12/31/2007	0.0709	0.0704	0.0682	0.0527	0.0398	0.0374	0.0179	0.0089	0.0129	0.0027	0.0082		
12/31/2008	0.1075	0.0893	0.1125	0.0933	0.0505	0.0263	0.0249	0.0429	0.0073	0.0059			
12/31/2009	0.0925	0.0900	0.0947	0.0577	0.0329	0.0150	0.0206	0.0090	0.0810				
12/31/2010	0.0956	0.0803	0.0815	0.0396	0.0381	0.0416	0.0140	0.0049					
12/31/2011	0.0905	0.0887	0.0673	0.0450	0.0262	0.0089	0.0204						
12/31/2012	0.0776	0.1097	0.0855	0.0884	0.0403	0.0137							
12/31/2013	0.0749	0.0797	0.0511	0.0233	0.0715								
12/31/2014	0.0501	0.0733	0.0496	0.0472									
12/31/2015	0.0675	0.0891	0.0697										
12/31/2016	0.0787	0.1016											
12/31/2017	0.0901												

Best 3/5	0.0737	0.0901	0.0627	0.0440	0.0371	0.0183	0.0196	0.0182	0.0134	0.0086	0.0049	0.0013	0.0017
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MULTISTATE
FRINGE COVERAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	11,730,863	18,046,590	18,978,575	21,482,283	20,824,135	20,194,078	20,541,951	20,722,579	20,489,160	20,792,810	20,383,046
12/31/2000	14,387,648	19,552,478	26,798,086	29,041,248	29,868,276	31,227,538	31,777,313	31,724,262	31,820,639	31,644,347	31,366,172
12/31/2001	13,489,883	20,736,893	24,454,126	26,382,145	27,784,824	27,351,137	27,179,229	27,273,288	27,206,533	26,884,626	26,756,832
12/31/2002	8,959,671	11,907,264	12,863,604	14,712,565	13,054,611	13,641,671	12,697,868	12,548,261	12,860,883	12,774,833	12,798,396
12/31/2003	7,924,520	11,332,136	13,153,231	11,805,164	12,140,278	11,739,767	11,340,762	11,347,462	11,301,386	11,261,338	11,195,969
12/31/2004	15,370,607	17,007,230	17,949,406	17,510,591	17,017,048	17,275,272	17,612,300	17,487,122	17,455,082	17,740,996	17,513,925
12/31/2005	17,266,016	21,482,384	22,633,708	22,196,098	21,405,305	20,852,320	20,903,379	21,005,089	20,742,520	20,852,130	20,803,717
12/31/2006	19,718,525	23,108,546	24,237,557	23,095,192	22,677,753	22,148,124	22,012,068	22,194,044	22,125,806	22,180,637	22,455,637
12/31/2007	18,088,382	20,995,049	20,620,791	20,954,177	20,280,876	19,957,219	20,050,227	20,127,304	20,059,539	20,032,892	19,933,240
12/31/2008	14,373,628	15,953,047	16,032,787	15,374,767	15,593,981	15,728,819	16,034,784	15,886,059	15,916,950	15,950,594	15,867,607
12/31/2009	11,998,729	13,634,260	14,509,868	15,495,706	16,087,772	16,142,216	16,111,244	16,005,858	16,124,227	16,117,226	
12/31/2010	9,843,016	11,290,974	11,670,843	12,296,569	12,042,466	12,111,882	12,299,891	12,039,148	12,212,607		
12/31/2011	10,192,885	10,612,503	11,431,029	11,672,496	12,163,603	12,014,413	11,880,430	11,975,953			
12/31/2012	7,643,972	9,767,239	9,779,116	9,879,858	9,919,790	9,490,519	9,483,323				
12/31/2013	8,249,863	9,610,800	10,932,277	11,584,397	11,991,320	12,044,886					
12/31/2014	8,867,360	11,081,496	13,684,524	14,675,001	15,062,891						
12/31/2015	9,395,482	12,832,470	16,297,773	17,979,228							
12/31/2016	10,643,781	13,615,881	15,655,046								
12/31/2017	9,970,529	13,386,887									
12/31/2018	9,023,157										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	20,524,672	20,327,885	20,330,177	20,362,577	20,363,577	20,363,576	20,412,573	20,440,073	20,595,251
12/31/2000	31,453,516	31,350,666	31,250,666	31,251,666	31,240,666	31,240,667	31,240,666	31,245,167	
12/31/2001	26,619,466	26,718,966	26,711,441	26,763,879	26,773,675	26,801,175	26,796,776		
12/31/2002	12,790,839	12,876,802	12,885,703	12,865,000	12,864,998				
12/31/2003	11,186,853	11,188,850	11,178,850	11,178,850	11,178,850				
12/31/2004	17,594,029	17,574,728	17,608,202	17,724,187					
12/31/2005	20,743,869	20,843,869	20,749,368						
12/31/2006	22,427,716	22,427,716							
12/31/2007	19,932,889								

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.538	1.052	1.132	0.969	0.970	1.017	1.009	0.989	1.015	0.980	1.007
12/31/2000	1.359	1.371	1.084	1.028	1.046	1.018	0.998	1.003	0.994	0.991	1.003
12/31/2001	1.537	1.179	1.079	1.053	0.984	0.994	1.003	0.998	0.988	0.995	0.995
12/31/2002	1.329	1.080	1.144	0.887	1.045	0.931	0.988	1.025	0.993	1.002	0.999
12/31/2003	1.430	1.161	0.898	1.028	0.967	0.966	1.001	0.996	0.996	0.994	0.999
12/31/2004	1.106	1.055	0.976	0.972	1.015	1.020	0.993	0.998	1.016	0.987	1.005
12/31/2005	1.244	1.054	0.981	0.964	0.974	1.002	1.005	0.987	1.005	0.998	0.997
12/31/2006	1.172	1.049	0.953	0.982	0.977	0.994	1.008	0.997	1.002	1.012	0.999
12/31/2007	1.161	0.982	1.016	0.968	0.984	1.005	1.004	0.997	0.999	0.995	1.000
12/31/2008	1.110	1.005	0.959	1.014	1.009	1.019	0.991	1.002	1.002	0.995	
12/31/2009	1.136	1.064	1.068	1.038	1.003	0.998	0.993	1.007	1.000		
12/31/2010	1.147	1.034	1.054	0.979	1.006	1.016	0.979	1.014			
12/31/2011	1.041	1.077	1.021	1.042	0.988	0.989	1.008				
12/31/2012	1.278	1.001	1.010	1.004	0.957	0.999					
12/31/2013	1.165	1.137	1.060	1.035	1.004						
12/31/2014	1.250	1.235	1.072	1.026							
12/31/2015	1.366	1.270	1.103								
12/31/2016	1.279	1.150									
12/31/2017	1.343										

3 Yr Mean	1.329	1.218	1.078	1.022	0.983	1.001	0.993	1.008	1.000	1.001	0.999
Best 3/5	1.291	1.174	1.051	1.022	0.998	1.004	0.996	1.002	1.001	0.996	0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.990	1.000	1.002	1.000	1.000	1.002	1.001	1.008			
12/31/2000	0.997	0.997	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2001	1.004	1.000	1.002	1.000	1.001	1.000	1.000 *	1.000 *			
12/31/2002	1.007	1.001	0.998	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2003	1.000	0.999	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	0.999	1.002	1.007								
12/31/2005	1.005	0.995									
12/31/2006	1.000										

3 Yr Mean	1.001	0.999	1.002	1.000	1.000 @	1.001 @	1.001 @	1.008 @			
Best 3/5	1.002	1.000	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.998	1.004	0.996	1.002	1.001	0.996	0.999
12/31/2015				1.022	0.998	1.004	0.996	1.002	1.001	0.996	0.999
12/31/2016			1.051	1.022	0.998	1.004	0.996	1.002	1.001	0.996	0.999
12/31/2017		1.174	1.051	1.022	0.998	1.004	0.996	1.002	1.001	0.996	0.999
12/31/2018	1.291	1.174	1.051	1.022	0.998	1.004	0.996	1.002	1.001	0.996	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2014	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.999
12/31/2015	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.021
12/31/2016	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.073
12/31/2017	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.260
12/31/2018	1.002	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.626

* 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>
12/31/1999	3,889,962	11,742,525	17,776,891	21,204,045	24,044,644	24,617,767	25,141,712	26,659,014	27,207,327	27,619,511	27,659,519
12/31/2000	5,073,890	10,668,350	16,882,706	24,572,392	27,723,520	30,486,868	32,261,413	33,443,076	33,666,900	33,790,615	34,897,714
12/31/2001	4,065,567	12,276,653	20,123,476	24,019,199	27,768,554	29,346,706	30,194,255	31,687,269	32,000,474	31,973,823	32,090,723
12/31/2002	3,446,440	7,108,486	9,356,677	12,224,490	12,435,627	14,446,423	14,544,951	14,719,539	14,935,664	15,433,698	15,474,492
12/31/2003	2,052,914	6,832,923	11,729,331	13,455,224	17,214,010	17,801,229	25,428,834	27,172,550	28,044,912	28,380,646	28,372,386
12/31/2004	2,689,775	6,716,468	12,561,630	16,291,622	18,128,489	19,432,079	19,869,691	20,092,394	20,185,736	20,613,011	20,586,218
12/31/2005	2,372,346	7,137,824	11,740,954	15,227,405	16,132,903	16,592,685	17,271,628	17,528,047	18,470,990	21,441,454	22,306,460
12/31/2006	2,252,585	6,788,559	11,619,244	19,342,542	21,817,540	22,598,095	24,377,231	23,463,660	23,507,068	23,614,174	23,807,808
12/31/2007	1,975,082	5,884,750	11,653,865	14,294,283	15,763,691	15,309,905	15,738,927	16,163,427	16,147,045	16,124,812	16,200,876
12/31/2008	2,181,808	6,698,700	10,013,328	12,301,809	14,067,838	14,490,218	15,253,910	15,967,407	16,401,314	16,633,689	16,542,334
12/31/2009	2,920,670	6,884,164	15,825,916	20,732,130	23,655,831	26,736,114	28,297,925	30,032,063	30,470,740	30,645,998	
12/31/2010	2,662,466	8,669,843	12,314,944	14,587,005	16,270,821	17,422,147	18,368,011	18,980,033	19,606,406		
12/31/2011	4,885,536	14,112,656	18,617,455	23,047,178	24,561,766	28,720,259	29,218,884	30,240,131			
12/31/2012	2,535,277	5,817,590	9,772,970	13,733,371	20,290,418	19,538,187	21,493,555				
12/31/2013	2,994,402	7,526,679	12,468,479	16,678,688	21,531,548	22,429,615					
12/31/2014	4,304,438	7,995,068	12,737,474	17,076,969	20,080,107						
12/31/2015	3,435,761	9,760,991	16,032,638	21,507,048							
12/31/2016	5,159,720	8,678,016	11,440,299								
12/31/2017	5,058,231	12,379,157									
12/31/2018	3,018,686										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	27,215,877	27,200,811	27,218,544	27,226,118	27,226,118	27,327,596	27,493,470	27,647,377	27,902,900
12/31/2000	34,907,347	34,909,778	34,912,074	34,901,021	34,894,002	34,894,003	34,894,002	34,906,137	
12/31/2001	32,117,774	32,132,966	32,224,263	32,235,241	32,237,253	32,240,057	32,248,854		
12/31/2002	15,513,757	15,604,887	15,700,688	15,676,341	15,694,435	15,846,849			
12/31/2003	28,384,683	28,366,828	28,366,828	28,366,828	28,366,828				
12/31/2004	21,012,728	20,812,034	20,874,865	21,012,748					
12/31/2005	22,354,492	23,948,287	24,418,444						
12/31/2006	23,958,773	24,136,100							
12/31/2007	16,200,876								

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

	Increments												
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	7,852,563	6,034,366	3,427,154	2,840,599	573,123	523,945	1,517,302	548,313	412,184	40,008	-443,642	-15,066	17,733
12/31/2000	5,594,460	6,214,356	7,689,686	3,151,128	2,763,348	1,774,545	1,181,663	223,824	123,715	1,107,099	9,633	2,431	2,296
12/31/2001	8,211,086	7,846,823	3,895,723	3,749,355	1,578,152	847,549	1,493,014	313,205	-26,651	116,900	27,051	15,192	91,297
12/31/2002	3,662,046	2,248,191	2,867,813	211,137	2,010,796	98,528	174,588	216,125	498,034	40,794	39,265	91,130	95,801
12/31/2003	4,780,009	4,896,408	1,725,893	3,758,786	587,219	7,627,605	1,743,716	872,362	335,734	-8,260	12,297	-17,855	0
12/31/2004	4,026,693	5,845,162	3,729,992	1,836,867	1,303,590	437,612	222,703	93,342	427,275	-26,793	426,510	-200,694	62,831
12/31/2005	4,765,478	4,603,130	3,486,451	905,498	459,782	678,943	256,419	942,943	2,970,464	865,006	48,032	1,593,795	470,157
12/31/2006	4,535,974	4,830,685	7,723,298	2,474,998	780,555	1,779,136	-913,571	43,408	107,106	193,634	150,965	177,327	
12/31/2007	3,909,668	5,769,115	2,640,418	1,469,408	-453,786	429,022	424,500	-16,382	-22,233	76,064	0		
12/31/2008	4,516,892	3,314,628	2,288,481	1,766,029	422,380	763,692	713,497	433,907	232,375	-91,355			
12/31/2009	3,963,494	8,941,752	4,906,214	2,923,701	3,080,283	1,561,811	1,734,138	438,677	175,258				
12/31/2010	6,007,377	3,645,101	2,272,061	1,683,816	1,151,326	945,864	612,022	626,373					
12/31/2011	9,227,120	4,504,799	4,429,723	1,514,588	4,158,493	498,625	1,021,247						
12/31/2012	3,282,313	3,955,380	3,960,401	6,557,047	-752,231	1,955,368							
12/31/2013	4,532,277	4,941,800	4,210,209	4,852,860	898,067								
12/31/2014	3,690,630	4,742,406	4,339,495	3,003,138									
12/31/2015	6,325,230	6,271,647	5,474,410										
12/31/2016	3,518,296	2,762,283											
12/31/2017	7,320,926												

A.Y.E.	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.2682	0.2061	0.1170	0.0970	0.0196	0.0179	0.0518	0.0187	0.0141	0.0014	-0.0152	-0.0005	0.0006
12/31/2000	0.1188	0.1319	0.1633	0.0669	0.0587	0.0377	0.0251	0.0048	0.0026	0.0235	0.0002	0.0001	0.0000
12/31/2001	0.1974	0.1886	0.0936	0.0901	0.0379	0.0204	0.0359	0.0075	-0.0006	0.0028	0.0007	0.0004	0.0022
12/31/2002	0.1940	0.1191	0.1519	0.0112	0.1065	0.0052	0.0092	0.0114	0.0264	0.0022	0.0021	0.0048	0.0051
12/31/2003	0.2653	0.2717	0.0958	0.2086	0.0326	0.4233	0.0968	0.0484	0.0186	-0.0005	0.0007	-0.0010	0.0000
12/31/2004	0.1430	0.2076	0.1325	0.0652	0.0463	0.0155	0.0079	0.0033	0.0152	-0.0010	0.0151	-0.0071	0.0022
12/31/2005	0.1544	0.1491	0.1129	0.0293	0.0149	0.0220	0.0083	0.0305	0.0962	0.0280	0.0016	0.0516	0.0152
12/31/2006	0.1346	0.1434	0.2292	0.0734	0.0232	0.0528	-0.0271	0.0013	0.0032	0.0057	0.0045	0.0053	
12/31/2007	0.1363	0.2011	0.0920	0.0512	-0.0158	0.0150	0.0148	-0.0006	-0.0008	0.0027	0.0000		
12/31/2008	0.1912	0.1403	0.0969	0.0748	0.0179	0.0323	0.0302	0.0184	0.0098	-0.0039			
12/31/2009	0.1400	0.3158	0.1733	0.1033	0.1088	0.0552	0.0613	0.0155	0.0062				
12/31/2010	0.2981	0.1809	0.1128	0.0836	0.0571	0.0469	0.0304	0.0311					
12/31/2011	0.4461	0.2178	0.2142	0.0732	0.2010	0.0241	0.0494						
12/31/2012	0.2240	0.2699	0.2702	0.4474	-0.0513	0.1334							
12/31/2013	0.2218	0.2418	0.2060	0.2375	0.0439								
12/31/2014	0.1464	0.1881	0.1722	0.1191									
12/31/2015	0.1964	0.1947	0.1700										
12/31/2016	0.1187	0.0932											
12/31/2017	0.2351												

Best 3/5	0.1882	0.2082	0.1975	0.1467	0.0700	0.0448	0.0367	0.0117	0.0064	0.0025	0.0022	0.0030	0.0032
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Multistate Review of ULAE Experience
General Liability Including CMP Liability
Loss Adjustment Expense Special Call
Calendar Years 2013 - 2017

<u>Item *</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2013 - 2017 Mean</u>
1. Direct Losses Incurred	\$19,650,392	\$20,723,228	\$25,486,854	\$26,406,385	\$23,400,844	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,575,153	\$5,301,984	\$6,171,818	\$5,132,541	\$6,233,925	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,296,595	\$2,476,228	\$2,580,924	\$2,694,622	\$2,384,924	
4. Incurred Losses + ALAE [(1) + (2)]	\$25,225,545	\$26,025,212	\$31,658,672	\$31,538,926	\$29,634,769	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.1%	9.5%	8.2%	8.5%	8.0%	8.7%
6. Selected	8.5%					

Notes: All dollar amounts are displayed in thousands.

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

PREMISES / OPERATIONS
TREND SUMMARY
AVERAGE ANNUAL PERCENT CHANGES

(1) <u>EXPOSURE TREND</u>	<u>MANUFACTURERS</u>	<u>CONTRACTORS</u>	<u>OL&T</u> <u>CLASS GROUPS 1-13 *</u>	<u>OL&T</u> <u>CLASS GROUP 16</u>	<u>PREMISES/</u> <u>OPERATIONS</u>
a) 7/1/2016 to 7/1/2021 AYE 12/31/2016	+ 1.3%	+ 2.7%	+ 1.0%	+ 2.2%	+ 1.1%
b) 7/1/2017 to 7/1/2021 AYE 12/31/2017	+ 1.4%	+ 2.6%	+ 1.0%	+ 2.1%	+ 1.1%
c) 7/1/2018 to 7/1/2021 AYE 12/31/2018	+ 1.3%	+ 2.2%	+ 1.0%	+ 1.6%	+ 1.0%

	<u>MANUFACTURERS & CONTRACTORS</u>			<u>OWNERS, LANDLORDS & TENANTS</u>		
(2) <u>OCCURRENCE SEVERITY</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>
a) Fitted						
All Years (20 Points)	+ 4.2%	+ 5.3%	- 1.1%	+ 4.4%	+ 4.8%	- 2.6%
Eight Year (16 Points)	+ 4.3%	+ 5.3%	- 1.4%	+ 4.5%	+ 5.3%	- 5.8%
Six Year (12 Points)	+ 5.2%	+ 3.4%	- 4.5%	+ 4.8%	+ 6.2%	- 2.9%
b) Selected	+ 4.5%	+ 4.5%	0.0%	+ 4.0%	+ 5.0%	+ 1.0%

(3) <u>FREQUENCY TREND</u>	<u>M&C</u>	<u>OL&T</u>
Selected	0.0%	- 0.5%
(4) <u>TOTAL ANNUAL NET TREND</u>	+2.6%	+ 3.2%

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 12/31/2016, 12/31/2017 & 12/31/2018

(1)		(2)	(3)	(1)		(2)	(3)
YEAR ENDING		MANUFACTURERS	CONTRACTORS	YEAR ENDING		MANUFACTURERS	CONTRACTORS
<u>QUARTER*</u>		CLASS GROUP	CLASS GROUP			CLASS GROUP	CLASS GROUP
		SALES EXPOSURE	PAYROLL EXPOSURE			SALES EXPOSURE	PAYROLL EXPOSURE
		<u>INDICES</u>	<u>INDICES</u>			<u>INDICES</u>	<u>INDICES</u>
2008	1	0.962	21.143	2015	1	1.024	24.773
	2	0.958	21.357		2	1.026	24.921
	3	0.956	21.604		3	1.028	25.023
	4	0.957	21.880		4	1.030	25.178
2009	1	0.961	22.128	2016	1	1.030	25.318
	2	0.966	22.349		2	1.031	25.487
	3	0.969	22.502		3	1.030	25.730
	4	0.968	22.653		4	1.030	25.941
2010	1	0.964	22.806	2017	1	1.033	26.147
	2	0.962	22.928		2	1.034	26.313
	3	0.962	23.080		3	1.037	26.511
	4	0.965	23.208		4	1.040	26.704
2011	1	0.968	23.312	2018	1	1.043	26.943
	2	0.973	23.427		2	1.048	27.193
	3	0.978	23.556		3	1.052	27.435
	4	0.982	23.638		4	1.056	27.712
2012	1	0.986	23.715	2019	1	1.059	27.933
	2	0.990	23.794		2	1.062	28.157
	3	0.995	23.873		3P	1.064	28.325
	4	1.000	23.965		4P	1.067	28.475
2013	1	1.004	24.062	2020	1P	1.071	28.653
	2	1.006	24.140		2P	1.074	28.821
	3	1.008	24.167		3P	1.076	29.007
	4	1.010	24.208		4P	1.079	29.168
2014	1	1.012	24.299	2021	1P	1.082	29.303
	2	1.016	24.405		2P	1.087	29.417
	3	1.019	24.538		3P	1.093	29.521
	4	1.022	24.663		4P	1.099	29.627

CHANGE IN EXPOSURES		MANUFACTURERS	CONTRACTORS
7/1/2016 to 7/1/2021		(2021:4/2016:4)	1.067
7/1/2017 to 7/1/2021		(2021:4/2017:4)	1.109
7/1/2018 to 7/1/2021		(2021:4/2018:4)	1.069
AVERAGE ANNUAL TREND FACTOR			
7/1/2016 to 7/1/2021		(5.0 YRS)	1.013
7/1/2017 to 7/1/2021		(4.0 YRS)	1.026
7/1/2018 to 7/1/2021		(3.0 YRS)	1.022

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

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

<u>TYPE OF CLASS</u>	<u>VOLUME</u> ²	<u>INFLATION TREND</u> ³
FURNITURE@	9.6%	-0.9%
OTHER DURABLES	6.1%	-1.1%
CLOTHING	9.6%	-0.2%
FOOD@	44.1%	1.7%
OTHER NON-DURABLES	26.4%	1.4%
RECREATION SERVICES#	4.2%	2.0%
TOTAL	100.0%	1.0% ⁴

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

² Volume weights are based on each type of class's inflation-adjusted contribution to GDP in year ending 12/31/2018. Inflation adjusted GDP is measured in terms of 2012 prices.

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

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

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

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

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

YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS	RECREATION SERVICES	YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS	RECREATION SERVICES
2008	1	1.069	0.962	0.951	0.886	0.896	0.915	2015	1	0.940	0.931	1.011	1.045	1.017	1.038
	2	1.065	0.970	0.949	0.896	0.901	0.922		2	0.935	0.923	1.007	1.050	1.021	1.042
	3	1.064	0.977	0.949	0.908	0.907	0.931		3	0.930	0.914	1.004	1.054	1.023	1.047
	4	1.065	0.983	0.947	0.921	0.912	0.936		4	0.924	0.906	1.001	1.058	1.025	1.052
2009	1	1.066	0.986	0.947	0.931	0.919	0.940	2016	1	0.920	0.902	0.999	1.061	1.027	1.058
	2	1.069	0.986	0.950	0.936	0.930	0.942		2	0.913	0.901	0.998	1.063	1.029	1.064
	3	1.066	0.985	0.952	0.937	0.942	0.944		3	0.907	0.899	0.998	1.064	1.034	1.071
	4	1.061	0.986	0.956	0.936	0.953	0.947		4	0.900	0.899	0.998	1.065	1.038	1.078
2010	1	1.051	0.984	0.957	0.936	0.962	0.949	2017	1	0.895	0.897	0.999	1.066	1.042	1.086
	2	1.039	0.983	0.956	0.937	0.966	0.953		2	0.888	0.893	0.997	1.068	1.046	1.092
	3	1.027	0.982	0.953	0.940	0.968	0.955		3	0.882	0.890	0.995	1.071	1.048	1.100
	4	1.015	0.982	0.949	0.943	0.970	0.957		4	0.875	0.887	0.992	1.075	1.050	1.108
2011	1	1.006	0.987	0.947	0.948	0.973	0.960	2018	1	0.869	0.885	0.991	1.078	1.051	1.114
	2	1.001	0.994	0.949	0.955	0.977	0.964		2	0.866	0.882	0.994	1.082	1.054	1.120
	3	1.000	1.002	0.955	0.965	0.981	0.968		3	0.864	0.878	0.993	1.086	1.054	1.125
	4	1.000	1.008	0.965	0.975	0.985	0.973		4	0.866	0.871	0.993	1.090	1.055	1.131
2012	1	1.001	1.011	0.976	0.984	0.990	0.980	2019	1	0.868	0.862	0.991	1.095	1.055	1.136
	2	1.001	1.009	0.988	0.991	0.993	0.986		2	0.869	0.857	0.984	1.101	1.055	1.142
	3	1.000	1.005	0.994	0.996	0.997	0.993		3P	0.873	0.854	0.984	1.106	1.056	1.147
	4	1.000	1.000	1.000	1.000	1.000	1.000		4P	0.874	0.855	0.983	1.112	1.059	1.151
2013	1	0.998	0.994	1.005	1.004	1.001	1.005	2020	1P	0.873	0.856	0.981	1.117	1.064	1.155
	2	0.994	0.989	1.006	1.008	1.001	1.009		2P	0.872	0.855	0.984	1.122	1.070	1.159
	3	0.988	0.985	1.009	1.012	1.001	1.013		3P	0.870	0.855	0.985	1.128	1.076	1.164
	4	0.981	0.979	1.010	1.015	1.002	1.017		4P	0.867	0.854	0.986	1.134	1.083	1.169
2014	1	0.972	0.970	1.010	1.018	1.004	1.022	2021	1P	0.865	0.853	0.986	1.140	1.090	1.174
	2	0.962	0.959	1.012	1.024	1.006	1.028		2P	0.863	0.853	0.987	1.146	1.097	1.180
	3	0.954	0.950	1.013	1.030	1.009	1.032		3P	0.861	0.852	0.988	1.152	1.104	1.185
	4	0.947	0.940	1.013	1.038	1.013	1.036		4P	0.860	0.851	0.988	1.158	1.110	1.191
Change In Exposures*								Average Annual Trend Factor							
7/1/2016 to 7/1/2021 (2021:4/2016:4)								7/1/2016 to 7/1/2021 (5.0 Years)							
		0.955	0.947	0.990	1.087	1.070	1.105			-0.9%	-1.1%	-0.2%	1.7%	1.4%	2.0%

*Assumes a loss cost revision date of July 1, 2020, and a prospective average date of coverage one year later (July 1, 2021).

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PREMISES/OPERATIONS
GOVERNMENTAL SUBDIVISIONS
OWNERS, LANDLORDS AND TENANTS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 12/31/2016, 12 /31/2017 & 12/31/2018

(1) YEAR ENDING QUARTER			(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @			(1) YEAR ENDING QUARTER			(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @		
2008	1		0.893			2015	1		1.057		
	2		0.905				2		1.058		
	3		0.918				3		1.058		
	4		0.926				4		1.057		
2009	1		0.926			2016	1		1.056		
	2		0.924				2		1.056		
	3		0.920				3		1.056		
	4		0.920				4		1.059		
2010	1		0.926			2017	1		1.065		
	2		0.933				2		1.071		
	3		0.940				3		1.078		
	4		0.947				4		1.087		
2011	1		0.954			2018	1		1.096		
	2		0.962				2		1.107		
	3		0.971				3		1.118		
	4		0.977				4		1.128		
2012	1		0.984			2019	1		1.135		
	2		0.988				2		1.141		
	3		0.992				3P		1.146		
	4		1.000				4P		1.150		
2013	1		1.007			2020	1P		1.155		
	2		1.016				2P		1.157		
	3		1.025				3P		1.160		
	4		1.033				4P		1.163		
2014	1		1.040			2021	1P		1.167		
	2		1.046				2P		1.172		
	3		1.052				3P		1.177		
	4		1.056				4P		1.182		
CHANGE IN EXPOSURES						AVERAGE ANNUAL TREND FACTOR					
7/1/2016 to 7/1/2021			(2021:4/2016:4)	1.117		7/1/2016 to 7/1/2021			(5.0 YRS)	1.022	
7/1/2017 to 7/1/2021			(2021:4/2017:4)	1.087		7/1/2017 to 7/1/2021			(4.0 YRS)	1.021	
7/1/2018 to 7/1/2021			(2021:4/2018:4)	1.048		7/1/2018 to 7/1/2021			(3.0 YRS)	1.016	

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

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

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual <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>
6/30/2009	\$ 222,301,839	4,105	\$ 54,154	\$ 52,852		
12/31/2009	231,829,135	4,152	55,836	53,938		
6/30/2010	234,946,646	4,259	55,165	55,046		
12/31/2010	232,324,254	4,328	53,679	56,177		
6/30/2011	250,257,829	4,422	56,594	57,332	\$ 56,927	
12/31/2011	259,721,572	4,269	60,839	58,510	58,144	
6/30/2012	233,925,423	3,795	61,640	59,712	59,387	
12/31/2012	217,453,468	3,590	60,572	60,939	60,657	
6/30/2013	218,036,040	3,622	60,198	62,191	61,954	\$ 60,163
12/31/2013	227,774,837	3,694	61,661	63,469	63,278	61,707
6/30/2014	254,991,939	3,922	65,016	64,773	64,631	63,291
12/31/2014	249,971,448	3,651	68,467	66,104	66,013	64,916
6/30/2015	221,560,256	3,383	65,492	67,462	67,424	66,582
12/31/2015	208,836,064	3,317	62,959	68,848	68,865	68,292
6/30/2016	207,785,390	2,994	69,401	70,263	70,338	70,045
12/31/2016	215,676,014	3,005	71,772	71,707	71,841	71,843
6/30/2017	222,111,089	3,088	71,927	73,180	73,377	73,687
12/31/2017	235,724,240	3,033	77,720	74,684	74,946	75,578
6/30/2018	234,924,381	3,021	77,764	76,219	76,548	77,518
12/31/2018	243,859,818	3,003	81,205	77,785	78,185	79,508
Goodness of Fit Statistic, R-Squared:				0.923	0.890	0.881
Average Annual Severity Trend (10 yr)				+ 4.2%		
Average Annual Severity Trend (8 yr)				+ 4.3%		
Average Annual Severity Trend (6 yr)				+ 5.2%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
6/30/2009	\$ 173,872,098	16,093	\$ 10,804	\$ 10,300		
12/31/2009	169,290,390	15,663	10,808	10,568		
6/30/2010	169,982,564	16,131	10,538	10,844		
12/31/2010	173,069,757	16,552	10,456	11,127		
6/30/2011	177,751,220	16,429	10,819	11,417	\$ 11,436	
12/31/2011	179,930,134	16,148	11,143	11,715	11,733	
6/30/2012	174,360,749	15,463	11,276	12,020	12,039	
12/31/2012	184,203,126	14,598	12,618	12,334	12,352	
6/30/2013	185,618,029	14,015	13,244	12,656	12,674	\$ 13,502
12/31/2013	178,367,953	13,237	13,475	12,986	13,004	13,727
6/30/2014	186,590,568	12,864	14,505	13,325	13,343	13,955
12/31/2014	186,480,175	12,650	14,742	13,672	13,690	14,187
6/30/2015	181,848,014	12,225	14,875	14,029	14,046	14,423
12/31/2015	177,396,907	12,240	14,493	14,395	14,412	14,662
6/30/2016	177,103,019	12,408	14,273	14,770	14,787	14,906
12/31/2016	182,823,205	12,642	14,462	15,155	15,172	15,154
6/30/2017	189,582,345	12,627	15,014	15,551	15,568	15,406
12/31/2017	200,363,918	12,486	16,047	15,956	15,973	15,662
6/30/2018	205,140,854	12,524	16,380	16,372	16,389	15,922
12/31/2018	201,248,801	12,374	16,264	16,800	16,815	16,187
Goodness of Fit Statistic, R-Squared:				0.911	0.864	0.781
Average Annual Severity Trend (10 yr)				+ 5.3%		
Average Annual Severity Trend (8 yr)				+ 5.3%		
Average Annual Severity Trend (6 yr)				+ 3.4%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
6/30/2009	\$ 19,008,271	435	\$ 43,697	\$ 40,502		
12/31/2009	22,616,715	512	44,173	40,281		
6/30/2010	22,410,165	596	37,601	40,060		
12/31/2010	18,573,276	574	32,358	39,841		
6/30/2011	18,502,052	501	36,930	39,623	\$ 40,347	
12/31/2011	18,366,815	499	36,807	39,406	40,064	
6/30/2012	17,927,458	469	38,225	39,190	39,783	
12/31/2012	16,288,987	439	37,105	38,976	39,503	
6/30/2013	17,316,835	420	41,231	38,762	39,226	\$ 43,797
12/31/2013	22,544,370	473	47,663	38,550	38,951	42,805
6/30/2014	20,612,238	520	39,639	38,339	38,677	41,836
12/31/2014	20,389,209	508	40,136	38,129	38,406	40,889
6/30/2015	21,592,216	505	42,757	37,921	38,136	39,963
12/31/2015	19,957,277	529	37,726	37,713	37,869	39,058
6/30/2016	20,912,401	536	39,016	37,507	37,603	38,173
12/31/2016	18,841,314	487	38,689	37,301	37,339	37,309
6/30/2017	16,357,850	498	32,847	37,097	37,077	36,464
12/31/2017	19,316,257	528	36,584	36,894	36,817	35,639
6/30/2018	17,687,231	526	33,626	36,692	36,558	34,832
12/31/2018	18,249,022	511	35,712	36,491	36,302	34,043
Goodness of Fit Statistic, R-Squared:				0.107	0.140	0.646
Average Annual Severity Trend (10 yr)				- 1.1%		
Average Annual Severity Trend (8 yr)				- 1.4%		
Average Annual Severity Trend (6 yr)				- 4.5%		
Selected Annual Severity Trend				0.0%		

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

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

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
6/30/2009	\$ 556,384,617	17,921	\$ 31,047	\$ 30,628		
12/31/2009	583,623,927	18,406	31,708	31,291		
6/30/2010	599,973,009	18,944	31,671	31,968		
12/31/2010	626,745,399	19,180	32,677	32,660		
6/30/2011	650,064,321	19,417	33,479	33,366	\$ 33,174	
12/31/2011	633,898,970	18,510	34,246	34,088	33,913	
6/30/2012	571,256,321	16,276	35,098	34,826	34,668	
12/31/2012	538,346,688	15,340	35,094	35,580	35,440	
6/30/2013	570,631,036	16,084	35,478	36,350	36,230	\$ 35,890
12/31/2013	619,595,066	17,043	36,355	37,136	37,037	36,740
6/30/2014	690,576,378	18,231	37,879	37,940	37,862	37,611
12/31/2014	679,597,106	17,316	39,247	38,761	38,705	38,502
6/30/2015	652,279,206	16,506	39,518	39,599	39,567	39,414
12/31/2015	667,076,791	16,428	40,606	40,456	40,448	40,348
6/30/2016	643,499,187	15,225	42,266	41,332	41,349	41,304
12/31/2016	640,930,932	15,206	42,150	42,226	42,270	42,283
6/30/2017	669,601,945	15,936	42,018	43,140	43,212	43,285
12/31/2017	720,590,479	16,696	43,159	44,073	44,174	44,310
6/30/2018	781,205,789	17,260	45,261	45,027	45,158	45,360
12/31/2018	795,123,860	16,698	47,618	46,001	46,164	46,435
Goodness of Fit Statistic, R-Squared:				0.984	0.975	0.958
Average Annual Severity Trend (10 yr)				+ 4.4%		
Average Annual Severity Trend (8 yr)				+ 4.5%		
Average Annual Severity Trend (6 yr)				+ 4.8%		
Selected Annual Severity Trend				+ 4.0%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual <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>
6/30/2009	\$ 66,266,598	8,025	\$ 8,258	\$ 8,048		
12/31/2009	70,915,641	8,148	8,703	8,238		
6/30/2010	74,446,534	8,451	8,809	8,434		
12/31/2010	71,094,952	8,689	8,182	8,633		
6/30/2011	75,527,930	8,804	8,579	8,838	\$ 8,639	
12/31/2011	79,410,366	8,656	9,174	9,048	8,866	
6/30/2012	73,396,546	7,902	9,288	9,262	9,098	
12/31/2012	72,121,863	7,440	9,694	9,482	9,337	
6/30/2013	71,969,019	7,490	9,609	9,706	9,581	\$ 9,288
12/31/2013	73,345,228	7,480	9,806	9,936	9,832	9,573
6/30/2014	71,131,592	7,675	9,268	10,172	10,090	9,867
12/31/2014	69,613,685	7,536	9,237	10,413	10,355	10,170
6/30/2015	80,224,961	7,113	11,279	10,660	10,626	10,482
12/31/2015	82,521,138	7,089	11,641	10,913	10,904	10,804
6/30/2016	78,354,822	7,086	11,058	11,171	11,190	11,135
12/31/2016	80,770,025	7,163	11,276	11,436	11,483	11,477
6/30/2017	84,855,026	7,536	11,260	11,707	11,784	11,829
12/31/2017	89,295,825	7,429	12,020	11,985	12,093	12,192
6/30/2018	93,664,044	7,154	13,093	12,269	12,410	12,566
12/31/2018	89,575,359	6,916	12,952	12,560	12,735	12,952
Goodness of Fit Statistic, R-Squared:				0.884	0.860	0.811
Average Annual Severity Trend (10 yr)				+ 4.8%		
Average Annual Severity Trend (8 yr)				+ 5.3%		
Average Annual Severity Trend (6 yr)				+ 6.2%		
Selected Annual Severity Trend				+ 5.0%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual <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>
6/30/2009	\$ 26,991,641	479	\$ 56,350	\$ 69,725		
12/31/2009	36,131,420	495	72,993	68,797		
6/30/2010	33,011,919	536	61,589	67,881		
12/31/2010	24,223,342	502	48,254	66,977		
6/30/2011	32,478,702	444	73,150	66,085	\$ 77,424	
12/31/2011	36,491,571	393	92,854	65,205	75,159	
6/30/2012	27,662,000	329	84,079	64,337	72,960	
12/31/2012	21,945,315	318	69,010	63,481	70,826	
6/30/2013	21,514,854	358	60,097	62,635	68,753	\$ 61,880
12/31/2013	27,784,145	397	69,985	61,802	66,742	60,980
6/30/2014	31,426,111	458	68,616	60,979	64,789	60,094
12/31/2014	28,270,331	503	56,203	60,167	62,894	59,221
6/30/2015	32,225,110	579	55,656	59,366	61,054	58,360
12/31/2015	36,923,141	671	55,027	58,575	59,268	57,512
6/30/2016	34,588,107	708	48,853	57,796	57,534	56,676
12/31/2016	31,534,019	645	48,890	57,026	55,850	55,852
6/30/2017	26,682,836	568	46,977	56,267	54,216	55,041
12/31/2017	34,794,626	546	63,726	55,518	52,630	54,241
6/30/2018	37,526,892	578	64,925	54,779	51,090	53,453
12/31/2018	30,894,502	594	52,011	54,049	49,596	52,676
Goodness of Fit Statistic, R-Squared:				0.177	0.517	0.150
Average Annual Severity Trend (10 yr)				- 2.6%		
Average Annual Severity Trend (8 yr)				- 5.8%		
Average Annual Severity Trend (6 yr)				- 2.9%		
Selected Annual Severity Trend				+ 1.0%		

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

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

(See Section B- Explanation of Trend Calculation).

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at <u>Ultimate</u> ¹	(4) Occurrence Frequency <u>(3)/(2)</u> ²
12/31/2005	\$ 708,563,990	24,605	34.73
12/31/2006	749,606,300	25,060	33.43
12/31/2007	766,324,050	25,726	33.57
12/31/2008	812,883,131	26,904	33.10
12/31/2009	743,309,032	25,248	33.97
12/31/2010	738,885,490	27,106	36.68
12/31/2011	760,362,907	26,379	34.69
12/31/2012	755,137,017	24,991	33.09
12/31/2013	784,039,504	24,295	30.99
12/31/2014	821,895,045	25,002	30.42
12/31/2015	839,532,482	24,659	29.37
12/31/2016	849,205,222	25,167	29.64
12/31/2017	881,379,847	25,544	28.98
12/31/2018	880,315,241	26,699	30.33

Selected Annual Frequency Trend: 0.0%

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

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

PREMISES/OPERATIONS
OWNERS, LANDLORDS AND TENANTS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency <u>(3)/(2)²</u>
12/31/2005	\$ 803,951,689	30,805	38.32
12/31/2006	806,250,518	28,502	35.35
12/31/2007	858,356,386	30,414	35.43
12/31/2008	954,186,984	31,434	32.94
12/31/2009	1,009,908,183	30,260	29.96
12/31/2010	1,057,480,736	31,145	29.45
12/31/2011	1,054,331,879	30,002	28.46
12/31/2012	1,044,959,960	25,711	24.60
12/31/2013	1,051,879,007	27,922	26.54
12/31/2014	1,090,461,196	28,718	26.34
12/31/2015	1,172,592,938	28,700	24.48
12/31/2016	1,204,704,951	27,343	22.70
12/31/2017	1,229,134,239	29,632	24.11
12/31/2018	1,217,710,312	29,804	24.48

Selected Annual Frequency Trend: - 0.5%

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

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

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

*Base Class

CLASS GROUP 01

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

CLASS GROUP 02

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

CLASS GROUP 03

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

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

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

CLASS GROUP 04

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

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

*Base Class

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

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

*Base Class

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

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

CLASS GROUP 14

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

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

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

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

CLASS GROUP 16

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

*

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

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

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

CLASS GROUP 32 (cont'd)						CLASS GROUP 34	
98423	2.57	99321	6.22	96317	0.29	10036	2.70
98424	4.36	99613	5.51	96872	1.03	10073	4.20
98425	1.79	99620	0.30	97220	0.075	10075	31.17
98426	1.58	99718	0.88	97308	0.14	10107	12.84
98427	1.54	99746	1.49	97447	0.46	10255	1.00
98449	2.21	99760	0.17	97651	1.36	10256	3.66
98482	2.37	99793	1.89	97652	1.18	10257	0.69
98483	3.50	99827	0.27	97655	1.05	11039	3.65
98502	3.35	99851	1.10	98002	0.19	11248	0.19
98555	1.56	99917	1.78	98152	0.64	12014	0.41
98597	0.35	99938	2.00	98153	0.72	12509	0.25
98598	0.12	99943	5.80	98154	0.85	12510	3.17
98601	4.01	99946	4.32	98155	1.19	12583	1.41
98624	0.63	99963	0.43	98157	0.76	12651	4.11
98640	69.14	CLASS GROUP 33		98159	0.51	12683	1.88
98677	10.90	91130	0.28	98160	1.08	13201	3.63
98678	9.68	91135	0.078	98161	1.21	13204	4.11
98699	3.15	91200	0.16	98163	1.27	13205	1.58
98710	2.19	91265	3.42	98303	2.39	13410	5.75
98805	2.86	91266	1.81	98309	1.20	13412	1.94
98820	5.46	91266	1.81	98429	0.25	13453	2.24
98884	1.42	91560	1.00	98658	1.23	13454	2.62
98967	2.23	91580	1.32	98659	0.22	13455	2.66
99003	1.06	91606	2.74	98705	1.74	13590	1.98
99080	0.75	91629	0.56	98751	0.93	13621	0.50
99111	1.09	91636	0.96	98914	0.15	14279	1.91
99163	2.60	91641	0.26	98949	0.21	14855	0.88
99165	0.57	91722	0.84	99220	0.33	15062	0.79
99223	0.16	92445	0.55	99222	0.62	15063	0.92
99303	8.72	92663	0.13	99471	0.15	15188	1.39
99310	2.18	95306	1.10	99969	0.60	15404	0.36
99315	6.41	95357	0.28	99988	0.53	15405	0.53
		95455	1.16				
		95505	0.54				

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

*Base Class

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

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

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

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

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

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

*Base Class

<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	<u>CLASS GROUP 39</u>			91588	(a)	99987	(a)
15607	0.17	11205	(a)		91589	(a)		
15699	0.42	13206	(a)		91591	(a)		
16471	0.24	13207	(a)		91618	(a)		
41620	1.21	13411	(a)		94444	(a)		
41677	0.25	15060	(a)		94638	(a)		
41696	0.79	15061	(a)		95358	(a)		
41697	0.55	18575	(a)		95630	(a)		
43470	4.60	41675	(a)		95648	(a)		
43822	3.66	41679	(a)		96703	(a)		
43840	0.045	44010	(a)		96930	(a)		
43860	2.88	51211	(a)		97002	(a)		
43889	1.03	52876	(a)		97003	(a)		
44280	0.25	53901	(a)		97221	(a)		
45678	0.27	53902	(a)		98150	(a)		
		53903	(a)		98151	(a)		
		53904	(a)		98156	(a)		

CLASS EXCEPTIONS

The following class exceptions apply by state:

Class Group 10

47469 Not valid for New Jersey

Class Group 13

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

Class Group 14

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

Class Group 32

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

Class Group 33

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

Class Group 35

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

Class Group 38

41620 Not valid for New York

Class Group 39

93169 Valid only for Louisiana

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

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

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

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

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

MULTISTATE
PRODUCTS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

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

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

MULTISTATE
PRODUCTS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

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

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

MULTISTATE
Products
Subline Code 336
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

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

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

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

MULTISTATE
PRODUCTS

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

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

LINK RATIOS

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

Average Best 3 of 5

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

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

MULTISTATE PRODUCTS LOSS DEVELOPMENT DATA

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

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

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

PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

Development From

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

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

Development From

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

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

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

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

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

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

171 to Ultimate Factor: 1.114

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

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

* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

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

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

PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.315	1.150	1.124	0.971	1.072	0.991	1.075	1.047	1.018	1.002	0.992
12/31/2000	1.312	1.138	1.051	1.089	1.054	1.050	1.043	1.013	1.017	1.001	0.988
12/31/2001	1.257	1.277	1.072	0.995	1.039	1.059	0.994	1.025	1.009	1.014	1.001
12/31/2002	1.625	1.213	0.954	1.000	1.067	1.022	1.015	1.015	1.010	1.031	1.005
12/31/2003	1.232	1.196	1.080	1.083	1.082	1.024	1.036	1.032	1.017	1.003	1.026
12/31/2004	1.173	1.117	1.036	1.108	1.021	1.024	1.027	1.010	1.026	1.011	1.013
12/31/2005	1.162	1.021	1.055	1.021	1.033	0.998	1.071	1.001	1.044	1.019	0.992
12/31/2006	1.131	1.093	1.031	1.069	1.035	1.030	1.113	1.033	0.993	1.006	0.991
12/31/2007	1.149	1.066	0.995	1.066	1.043	1.066	1.032	1.015	1.034	1.025	1.006
12/31/2008	1.211	1.075	1.055	1.036	1.048	1.027	1.022	1.026	1.020	1.007	
12/31/2009	1.137	1.062	0.997	1.013	1.030	0.986	1.029	1.017	0.995		
12/31/2010	1.141	1.075	1.022	0.999	1.034	1.005	1.019	1.015			
12/31/2011	1.120	1.036	1.085	1.017	1.025	1.026	1.029				
12/31/2012	1.044	1.096	1.118	1.024	1.020	1.014					
12/31/2013	1.154	1.079	1.005	1.044	1.022						
12/31/2014	1.143	1.090	1.011	1.018							
12/31/2015	1.061	1.047	1.055								
12/31/2016	1.200	1.087									
12/31/2017	1.242										
3 Yr Mean	1.168	1.075	1.024	1.029	1.022	1.015	1.026	1.019	1.016	1.013	0.996
Best 3/5	1.166	1.085	1.050	1.020	1.026	1.015	1.027	1.019	1.016	1.012	1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.994	1.005	0.998	1.002	1.007	1.000	0.999	1.000			
12/31/2000	1.008	0.992	0.999	1.000	1.000	1.000	0.999	1.000 *			
12/31/2001	0.991	0.996	1.002	0.998	1.000	0.999	1.000 *	1.000 *			
12/31/2002	1.006	1.002	1.007	1.000	0.996	1.000 *	1.000 *	1.000 *			
12/31/2003	0.990	0.998	1.002	0.999	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	0.993	1.011	0.984								
12/31/2005	0.995	1.014									
12/31/2006	1.017										
3 Yr Mean	1.002	1.008	0.998	0.999	0.999 @	1.000 @	0.999 @	1.000 @			
Best 3/5	0.998	1.004	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

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

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

Development From

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

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

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

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

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

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

171 to Ultimate Factor: 1.008

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

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

* Calculated Using Modified Bondy Method

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

<u>Item *</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2013 - 2017 Mean</u>
1. Direct Losses Incurred	\$19,650,392	\$20,723,228	\$25,486,854	\$26,406,385	\$23,400,844	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,575,153	\$5,301,984	\$6,171,818	\$5,132,541	\$6,233,925	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,296,595	\$2,476,228	\$2,580,924	\$2,694,622	\$2,384,924	
4. Incurred Losses + ALAE [(1) + (2)]	\$25,225,545	\$26,025,212	\$31,658,672	\$31,538,926	\$29,634,769	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.1%	9.5%	8.2%	8.5%	8.0%	8.7%
6. Selected	8.5%					

Notes: All dollar amounts are displayed in thousands.

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

PRODUCTS TREND SUMMARY

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

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

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

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

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

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

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

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

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

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

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

(See Section B - Explanation of Trend Calculation).

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

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

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

Average Annual Severity Trend (10 yr) + 4.4%

Average Annual Severity Trend (8 yr) + 4.8%

Average Annual Severity Trend (6 yr) + 5.1%

Selected Annual Severity Trend + 6.0%

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

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

(See Section B - Explanation of Trend Calculation).

PRODUCTS

FREQUENCY TREND MULTISTATE

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

Bodily Injury and Property Damage Combined

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

Selected Annual Frequency Trend: - 1.5%

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

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

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

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

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

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

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

K = The number of classes within the class group.

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

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

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

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

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

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

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 03

NUMBER OF YEARS OF DATA USED: 5

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

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

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

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 03

NUMBER OF YEARS OF DATA USED: 5

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

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

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

L - CAPPED DOWN
 U - CAPPED UP
 N - NOT SUBJECT TO CAPPING
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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 * 1.044 * 1.000

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

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

L - CAPPED DOWN

U - CAPPED UP

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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 * 1.044 * 1.000

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

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

TAU SQUARED: .03000 SIGMA SQUARED: 334909.49915

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 05

NUMBER OF YEARS OF DATA USED: 5

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

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

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

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

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

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

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

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

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

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

L - CAPPED DOWN
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
58301	77103	247755	2.09027	.0639	1.109	1.082	1.078	.082	.088	7.3	.082	.088
58302	44551	232484	.76868	.0616	1.025	1.000	.996	.055	.055	0.0	.055	.055
58397	1440834	5633085	.78100	.4922	.914	.892	.888	.830	.740	-10.8	.830	.740
58575	26172	92765	.00000	.0406	1.000	.976	.972	.123	.120	-2.4	.123	.120
58663	1463116	6273340	.55383	.5184	.789	.770	.767	1.590	1.280	-19.5	1.590	1.280
58802	28363	182262	2.20058	.0542	1.105	1.078	1.074	.450	.480	6.7	.450	.480
58837	7600	41749	.00000	.0327	1.008	.983	.979	.165	.162	-1.8	.165	.162
58840	3886	13420	5.80112	.0282	1.176	1.147	1.142	.111	.127	14.4	.111	.127
58873	237631	1009427	.93769	.1636	1.025	1.000	.996	.030	.030	0.0	.030	.030
58904	11786	57446	.00000	.0351	1.006	.981	.977	.131	.128	-2.3	.131	.128
58922	1192474	5490688	.80316	.4860	.926	.903	.899	.187	.168	-10.2	.187	.168
59005	171273	854165	.91947	.1451	1.024	.999	.995	.096	.096	0.0	.096	.096
59188	321	972	.00000	.0262	1.015	.990	.986	.056	.055	-1.8	.056	.055
59189	4360	15413	.00000	.0285	1.013	.988	.984	.300	.300	0.0	.300	.300
59223	120370	601825	2.27852	.1131	1.182	1.153	1.148	.077	.088	14.3	.077	.088
59378	0	52	.00000	.0261	1.015	.990	.986	.152	.150	-1.3	.152	.150
59481	83569	354019	2.54948	.0792	1.162	1.134	1.129	.088	.099	12.5	.088	.099
59701	3659	53399	6.47937	.0345	1.230	1.200	1.195	.244	.290	18.9	.244	.290
59713	326896	1504045	.76038	.2178	.981	.957	.953	.330	.310	-6.1	.330	.310
59722	58084	277751	.46562	.0683	1.003	.979	.975	.032	.031	-3.1	.032	.031
59723	13603	98150	.00000	.0414	.999	.975	.971	.038	.037	-2.6	.038	.037
59726	96958	688208	1.08508	.1243	1.048	1.022	1.018	.024	.024	0.0	.024	.024
59738	9774	58404	.00000	.0353	1.005	.980	.976	.066	.064	-3.0	.066	.064
59773	1	232	.00000	.0261	1.015	.990	.986	.028	.028	0.0	.028	.028
59774	903	1719	.00000	.0264	1.015	.990	.986	.152	.150	-1.3	.152	.150
59775	0	0	.00000	.0000	.000	.000	.000	.189	.188	-0.5	.189	.188
59798	686293	3182185	1.22730	.3586	1.109	1.082	1.078	.460	.500	8.7	.460	.500
59886	19174	116421	.00000	.0442	.996	.972	.968	.112	.108	-3.6	.112	.108
59889	11249	77718	2.83138	.0383	1.111	1.084	1.080	.153	.165	7.8	.153	.165
59914	754179	3575524	1.25843	.3846	1.125	1.098	1.094	.620	.680	9.7	.620	.680
59915	166847	580536	.60667	.1102	.994	.970	.966	.780	.750	-3.8	.780	.750
59917	65053	345965	4.03154	.0781	1.276	1.245	1.240	.165	.205	24.2	.165	.205
59931	157624	727687	.39466	.1293	.959	.936	.932	.590	.550	-6.8	.590	.550
59932	55156	269839	.00000	.0671	.972	.948	.944	.930	.880	-5.4	.930	.880
59947	14211	100306	.00000	.0417	.999	.975	.971	.330	.320	-3.0	.330	.320
59955	16698	92312	.00000	.0405	1.000	.976	.972	.147	.143	-2.7	.147	.143
59970	19173	100498	.87050	.0418	1.035	1.010	1.006	.182	.183	0.5	.182	.183

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

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

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
59975	688472	3064097	.81139	.3504	.961	.938	.934	.243	.227	-6.6	.243	.227
59984	26363	123926	.00000	.0454	.995	.971	.967	.055	.053	-3.6	.055	.053
59988	606	5353	.00000	.0269	1.014	.989	.985	.060	.059	-1.7	.060	.059
59989	0	7	.00000	.0261	1.015	.990	.986	.045	.044	-2.2	.045	.044

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 07

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.003 * 1.000

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
49239	68346	412471	.68425	.1332	.901	.916	.919	.650	.600	-7.7	.650	.600
50010	42105	213949	.04838	.1160	.831	.845	.848	.580	.490	-15.5	.580	.490
51205	3266	8167	.00000	.0975	.843	.857	.860	.083	.071	-14.5	.083	.071
51206	4568	29611	.00000	.0995	.841	.855	.858	.450	.390	-13.3	.450	.390
51220	107472	451136	.44385	.1365	.867	.881	.884	2.580	2.280	-11.6	2.580	2.280
51221	616280	2662714	.80705	.2895	.897	.912	.915	1.940	1.780	-8.2	1.940	1.780
51222	106289	971222	2.16583	.1781	1.153	1.172	1.176	3.120	3.670	17.6	3.120	3.670
51224	680612	3312985	1.34645	.3247	1.068	1.085	1.088	1.330	1.450	9.0	1.330	1.450
51230	0	0	.00000	.0000	.000	.000	.000	.790	.790	0.0	.790	.790
51252	1933540	8579189	1.01074	.5180	.974	.990	.993	.101	.100	-1.0	.101	.100
51254	6288	18336	.00000	.0985	.842	.856	.859	.045	.039	-13.3	.045	.039
51333	177428	409127	1.88783	.1329	1.061	1.078	1.081	.310	.340	9.7	.310	.340
51958	282950	1375872	1.38392	.2078	1.027	1.044	1.047	.390	.410	5.1	.390	.410
51970	779460	3633163	.93386	.3407	.934	.949	.952	.250	.238	-4.8	.250	.238
52433	147816	400368	.17212	.1322	.833	.847	.850	1.200	1.020	-15.0	1.200	1.020
52581	34747	1209284	.11380	.1958	.773	.786	.788	3.680	2.950	-19.8	3.680	2.950
52744	10165	11526	.00000	.0978	.843	.857	.860	.094	.081	-13.8	.094	.081
53077	134389	640514	1.55702	.1521	1.029	1.046	1.049	.197	.207	5.1	.197	.207
55597	0	0	.00000	.0000	.000	.000	.000	1.780	1.790	0.6	1.780	1.790
55918	108	7338	.00000	.0974	.843	.857	.860	3.190	2.740	-14.1	3.190	2.740
55919	0	0	.00000	.0000	.000	.000	.000	3.640	3.650	0.3	3.640	3.650
56912	877737	4076544	1.27343	.3618	1.057	1.074	1.077	.084	.090	7.1	.084	.090
57146	392492	1595496	1.44372	.2230	1.048	1.065	1.068	.670	.720	7.5	.670	.720
58737	30405	140966	.00000	.1096	.832	.846	.849	.740	.630	-14.9	.740	.630
59601	177159	490034	1.44222	.1397	1.005	1.021	1.024	2.310	2.370	2.6	2.310	2.370
59660	488381	2466144	1.23156	.2781	1.017	1.034	1.037	1.140	1.180	3.5	1.140	1.180
59724	37681	121778	.00831	.1078	.834	.848	.851	.022	.019	-13.6	.022	.019
59725	426137	2153255	1.56260	.2592	1.097	1.115	1.118	.104	.116	11.5	.104	.116
59750	7845	38547	.68802	.1003	.909	.924	.927	.240	.222	-7.5	.240	.222
59781	491766	2486418	.71799	.2793	.874	.888	.891	.076	.068	-10.5	.076	.068
59782	391006	1658601	.86861	.2273	.919	.934	.937	.490	.460	-6.1	.490	.460

X-TILDE: 1.089 X-TILDE (MONOLINE): .984 PI-TILDE: .0058740
 TAU SQUARED: .03000 SIGMA SQUARED: 294539.44808

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SECTION G
SUPPORTING MATERIAL -- LOCAL PRODUCTS/COMPLETED OPERATIONS
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MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
CALCULATION OF AGGREGATE LOSS COSTS
AT CURRENT LEVEL

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	EXPOSURE TREND#	AVERAGE IPMF*	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	12/31/2016	\$79,728,640	1.000	1.128		\$89,933,906
	12/31/2017	86,113,658	1.001	1.098		94,647,349
	12/31/2018	91,515,149	1.022	1.062		99,327,248
MULTILINE	12/31/2016	\$175,038,598	1.000	1.130	0.979	\$193,639,950
	12/31/2017	186,551,822	1.001	1.099	0.981	201,326,189
	12/31/2018	191,401,836	1.022	1.062	0.984	204,416,812
TOTAL	12/31/2016					\$283,573,856
	12/31/2017					295,973,538
	12/31/2018					303,744,060

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

Aggregate loss costs at current level have been trended from an average date of coverage to one year beyond an assumed effective date of 7/1/2020 by an exponential projection of the average annual exposure trend factor. The derivation of this exposure trend factor is shown in Section G - Average Annual Exposure Trends.

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

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	BASIC LIMIT DEVELOPMENT X FACTOR#	UNALLOCATED LOSS ADJ. X FACTOR	SEVERITY X TREND	FREQUENCY X TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$21,199,760	1.072	1.085	1.217	0.975		\$29,251,589
		12/31/2017	15,975,410	1.455	1.085	1.170	0.980		28,922,462
		12/31/2018	10,385,050	2.714	1.085	1.125	0.985		33,883,437
BI	ALAE	12/31/2016	\$18,549,665		1.085	1.217	0.975		\$23,881,467
		12/31/2017	22,665,168		1.085	1.170	0.980		28,196,852
		12/31/2018	26,257,253		1.085	1.125	0.985		31,569,506
PD	B/L INDEMNITY	12/31/2016	\$63,624,298	1.328	1.085	1.246	0.975		\$111,343,255
		12/31/2017	59,117,671	1.497	1.085	1.193	0.980		112,291,464
		12/31/2018	53,232,022	1.728	1.085	1.141	0.985		112,179,861
PD	ALAE	12/31/2016	\$70,077,018		1.085	1.246	0.975		\$92,369,376
		12/31/2017	69,156,913		1.085	1.193	0.980		87,726,713
		12/31/2018	75,580,762		1.085	1.141	0.985		92,164,332
TOTAL									
	FULL COVERAGE	12/31/2016							\$256,845,686
		12/31/2017							257,137,491
		12/31/2018							269,797,135

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BAISC LIMIT LOSSES AND ALAE*		X	BASIC LIMIT DEVELOPMENT FACTOR#		X	UNALLOCATED LOSS ADJ. FACTOR		X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$3,683,706			1.282			1.085			1.217		0.975		\$6,077,763
		12/31/2017	2,832,806			1.494			1.085			1.170		0.980		5,264,394
		12/31/2018	1,215,820			2.394			1.085			1.125		0.985		3,498,862
BI	ALAE	12/31/2016	\$4,548,501						1.085			1.217		0.975		\$5,855,894
		12/31/2017	4,757,503						1.085			1.170		0.980		5,918,624
		12/31/2018	3,499,316						1.085			1.125		0.985		4,207,282
PD	B/L INDEMNITY	12/31/2016	\$18,540,702			1.402			1.085			1.246		0.975		\$34,268,408
		12/31/2017	15,115,878			1.523			1.085			1.193		0.980		29,195,459
		12/31/2018	13,579,471			1.808			1.085			1.141		0.985		29,946,729
PD	ALAE	12/31/2016	\$26,360,846						1.085			1.246		0.975		\$34,746,554
		12/31/2017	20,154,871						1.085			1.193		0.980		25,566,794
		12/31/2018	20,271,246						1.085			1.141		0.985		24,719,066
TOTAL DED COVERAGE		12/31/2016														\$80,948,619
		12/31/2017														65,945,272
		12/31/2018														62,371,939
TOTAL OCCURRENCE		12/31/2016														\$337,794,306
		12/31/2017														323,082,763
		12/31/2018														332,169,074

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

MISSOURI

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	0.608
35	Not Applicable	--
36	Service Policy	0.852
37	Industrial/Processing Policy	0.571
38	Contractors Policy	0.859

(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.

MISSOURI

LOCAL PRODUCTS/COMPLETED OPERATIONS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.022	1.026	0.8339	1.025	5,000,000
27 to 39 Months	1.000	1.001	0.6223	1.001	15,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2016			1.000		1.000
12/31/2017		1.001	1.000		1.001
12/31/2018	1.025	1.001	1.000		1.026

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

MISSOURI
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2011	5,453,590	5,587,766	5,584,993	5,585,003	5,585,003	5,585,012	5,585,012	5,586,023
12/31/2012	5,995,047	6,139,657	6,139,747	6,146,652	6,146,677	6,147,139	6,147,139	
12/31/2013	7,107,378	7,181,045	7,200,399	7,201,790	7,202,182	7,202,182		
12/31/2014	7,737,037	7,889,677	7,884,595	7,928,954	7,929,531			
12/31/2015	7,977,277	8,196,658	8,210,941	8,195,773				
12/31/2016	8,384,532	8,629,877	8,643,258					
12/31/2017	8,744,360	9,009,049						
12/31/2018	8,915,314							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2011	1.025	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.024	1.000	1.001	1.000	1.000	1.000	
12/31/2013	1.010	1.003	1.000	1.000	1.000		
12/31/2014	1.020	0.999	1.006	1.000			
12/31/2015	1.028	1.002	0.998				
12/31/2016	1.029	1.002					
12/31/2017	1.030						
12/31/2018							

Average Best 3 of 5

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

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2011	402,939,396	411,400,813	411,106,492	411,069,882	411,039,584	411,052,309	411,052,224	411,052,914
12/31/2012	440,752,735	450,346,818	450,323,727	450,018,512	450,048,049	450,046,154	450,027,591	
12/31/2013	498,518,668	509,510,229	508,843,480	508,797,707	508,829,793	508,799,691		
12/31/2014	550,938,805	564,476,906	564,049,349	564,153,593	564,138,889			
12/31/2015	584,590,720	597,187,349	596,932,950	596,982,581				
12/31/2016	610,932,211	624,043,373	624,287,580					
12/31/2017	631,529,680	641,677,183						
12/31/2018	649,512,149							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2011	1.021	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.022	1.000	0.999	1.000	1.000	1.000	
12/31/2013	1.022	0.999	1.000	1.000	1.000		
12/31/2014	1.025	0.999	1.000	1.000			
12/31/2015	1.022	1.000	1.000				
12/31/2016	1.021	1.000					
12/31/2017	1.016						
12/31/2018							

Average Best 3 of 5

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

LOCAL PRODUCTS/COMPLETED OPERATIONS LOSS DEVELOPMENT DATA
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MISSOURI

Completed Operations
Bodily Injury
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.960	2.046	0.6265	2.014	360,000
27 to 39 Months	1.486	1.343	0.5761	1.404	380,000
39 to 51 Months	1.091	1.280	0.5400	1.193	410,000
51 to 63 Months	1.009	1.172	0.5771	1.103	430,000
63 to 75 Months	1.002	1.027	0.5734	1.016	470,000
75 to 87 Months	0.983	1.109	0.5931	1.058	500,000
87 to 99 Months	0.990	1.000	0.5766	0.996	540,000
99 to 111 Months	0.997	1.000	0.4922	0.998	570,000
111 to 123 Months	0.992	1.000	0.4562	0.996	610,000
123 to 135 Months	1.001	1.000	0.4401	1.001	660,000
135 to 147 Months	1.002	1.000	0.3507	1.001	710,000
147 to 159 Months	1.001	1.000	0.3453	1.001	760,000
159 to 171 Months	1.001	1.000	0.3335	1.001	820,000
171 to 183 Months	1.002	1.000	0.3480	1.001	880,000
183 to 195 Months	1.000	1.000	0.2821	1.000	950,000
195 to 207 Months	1.000	1.000	0.1852	1.000	1,000,000
207 to 219 Months	1.000	1.000	0.1526	1.000	1,100,000
219 to 231 Months	1.000	1.000	0.1098	1.000	1,200,000
231 to 243 Months	1.000	1.000	0.0271	1.000	1,300,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			1.193	1.103	1.016	1.058	0.996	0.998	0.996	1.001	1.001
12/31/2017		1.404	1.193	1.103	1.016	1.058	0.996	0.998	0.996	1.001	1.001
12/31/2018	2.014	1.404	1.193	1.103	1.016	1.058	0.996	0.998	0.996	1.001	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2016	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.407
12/31/2017	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.976
12/31/2018	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000		3.980

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

MISSOURI

Completed Operations
Bodily Injury
Full Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.0604
27 to 39 Months	0.1264
39 to 51 Months	0.1138
51 to 63 Months	0.0832
63 to 75 Months	0.0471
75 to 87 Months	0.0277
87 to 99 Months	0.0098
99 to 111 Months	0.0117
111 to 123 Months	0.0078
123 to 135 Months	0.0027
135 to 147 Months	0.0054
147 to 159 Months	0.0055
159 to 171 Months	0.0031
171 to Ultimate	A multistate link ratio factor of 1.012 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.505	0.444	0.318	0.204	0.121	0.074	0.046
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.036	0.024	0.017	0.014	0.009	0.003	0.000

A.Y.E	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2016	205,891	1,120,103	0.318	356,192	562,083	1.012	568,820
12/31/2017	74,448	964,725	0.444	428,338	502,786	1.012	508,815
12/31/2018	2,460	604,269	0.505	305,157	307,617	1.012	311,305

(A) See Section G - Multistate Loss Development.

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

MISSOURI

Completed Operations
Property Damage
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.185	1.071	0.5925	1.117	1,100,000
27 to 39 Months	1.095	1.116	0.6330	1.108	1,200,000
39 to 51 Months	1.046	0.830	0.6757	0.900	1,200,000
51 to 63 Months	1.037	1.052	0.6332	1.046	1,300,000
63 to 75 Months	1.032	1.045	0.6558	1.041	1,400,000
75 to 87 Months	1.028	1.010	0.6862	1.016	1,500,000
87 to 99 Months	1.028	0.999	0.6917	1.008	1,600,000
99 to 111 Months	1.042	1.001	0.6745	1.014	1,700,000
111 to 123 Months	1.016	1.020	0.6197	1.018	1,800,000
123 to 135 Months	1.027	0.974	0.5667	0.997	2,000,000
135 to 147 Months	1.012	0.995	0.4931	1.004	2,100,000
147 to 159 Months	1.009	1.000	0.5179	1.004	2,300,000
159 to 171 Months	1.005	1.000	0.5055	1.002	2,400,000
171 to 183 Months	1.004	1.000	0.4970	1.002	2,600,000
183 to 195 Months	1.002	1.004	0.4164	1.003	2,800,000
195 to 207 Months	1.002	1.000	0.4056	1.001	3,000,000
207 to 219 Months	1.002	1.000	0.3379	1.001	3,200,000
219 to 231 Months	1.002	1.000	0.2607	1.001	3,400,000
231 to 243 Months	1.002	1.000	0.0809	1.002	3,700,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			0.900	1.046	1.041	1.016	1.008	1.014	1.018	0.997	1.004	
12/31/2017		1.108	0.900	1.046	1.041	1.016	1.008	1.014	1.018	0.997	1.004	
12/31/2018	1.117	1.108	0.900	1.046	1.041	1.016	1.008	1.014	1.018	0.997	1.004	
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2016	1.004	1.002	1.002	1.003	1.001	1.001	1.001	1.002	1.008			1.062
12/31/2017	1.004	1.002	1.002	1.003	1.001	1.001	1.001	1.002	1.008			1.177
12/31/2018	1.004	1.002	1.002	1.003	1.001	1.001	1.001	1.002	1.008			1.315

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

MISSOURI

Completed Operations
Property Damage
Full Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.0686
27 to 39 Months	0.0750
39 to 51 Months	0.0707
51 to 63 Months	0.0579
63 to 75 Months	0.0463
75 to 87 Months	0.0344
87 to 99 Months	0.0306
99 to 111 Months	0.0332
111 to 123 Months	0.0328
123 to 135 Months	0.0302
135 to 147 Months	0.0192
147 to 159 Months	0.0178
159 to 171 Months	0.0075
171 to Ultimate	A multistate link ratio factor of 1.032 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.524	0.456	0.381	0.310	0.252	0.206	0.171
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.141	0.108	0.075	0.044	0.025	0.007	0.000

A.Y.E	Reported ALAE as of 3/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2016	150,250	545,184	0.381	207,716	357,966	1.032	369,414
12/31/2017	71,726	652,931	0.456	297,737	369,463	1.032	381,279
12/31/2018	74,335	1,008,735	0.524	528,577	602,912	1.032	622,198

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	105,000	107,024	127,024	144,524	119,524	70,524	68,524	34,524	34,524	34,524	34,524
12/31/2000	100,000	120,000	110,705	114,455	54,698	64,698	44,698	44,698	44,698	44,698	44,698
12/31/2001	17,250	26,750	51,750	125,050	50,050	50,050	50,050	50,050	50,050	50,050	50,050
12/31/2002	27,500	4,500	14,751	50,750	75,421	65,421	65,421	65,421	65,421	65,421	65,421
12/31/2003	106,000	218,654	303,000	308,000	262,833	262,833	257,833	257,833	257,833	257,833	257,833
12/31/2004	47,950	171,961	173,109	161,408	161,408	146,408	146,408	146,408	146,408	146,408	146,408
12/31/2005	9,284	6,533	6,033	6,033	6,033	6,033	6,033	6,033	6,033	6,033	6,033
12/31/2006	7,850	55,950	180,850	295,850	235,850	248,350	248,350	248,350	248,350	248,350	248,350
12/31/2007	21,500	131,604	133,167	158,167	129,176	129,176	129,176	129,176	129,176	129,176	129,176
12/31/2008	130,000	111,300	158,290	158,290	161,290	121,290	156,290	141,290	141,290	141,290	141,290
12/31/2009	35,000	41,182	146,181	246,181	241,181	241,181	241,189	241,181	241,181	241,181	241,181
12/31/2010	350	50,350	52,200	15,000	215,000	251,158	170,000	170,000	170,000	170,000	170,000
12/31/2011	132,114	103,264	121,264	218,364	305,545	281,961	324,264	324,264			
12/31/2012	117,210	133,710	220,890	218,390	170,705	195,705	230,205				
12/31/2013	33,818	220,424	115,254	152,465	155,400	145,528					
12/31/2014	33,311	120,395	176,871	215,987	237,276						
12/31/2015	162,500	147,500	189,275	245,139							
12/31/2016	228,595	248,617	317,594								
12/31/2017	212,704	305,704									
12/31/2018	131,491										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	34,524	36,191	36,191	36,191	36,191	36,191	36,191	36,191	36,191
12/31/2000	111,782	111,782	111,782	111,782	111,782	111,782	111,782	111,782	
12/31/2001	50,050	50,050	50,050	50,050	50,050	50,050	50,050		
12/31/2002	65,422	65,421	65,421	65,421	65,421	65,421			
12/31/2003	257,833	257,833	257,833	257,833	257,833				
12/31/2004	146,408	146,408	146,408	146,408					
12/31/2005	6,033	6,033	6,033						
12/31/2006	248,350	248,350							
12/31/2007	129,176								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.019	1.187	1.138	0.827	0.590	0.972	0.504	1.000	1.000	1.000	1.000
12/31/2000	1.200	0.923	1.034	0.478	1.183	0.691	1.000	1.000	1.000	1.000	2.501
12/31/2001	1.551	1.935	2.416	0.400	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2002	0.164	3.278	3.440	1.486	0.867	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	2.063	1.386	1.017	0.853	1.000	0.981	1.000	1.000	1.000	1.000	1.000
12/31/2004	3.586	1.007	0.932	1.000	0.907	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	0.704	0.923	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2006	7.127	3.232	1.636	0.797	1.053	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	6.121	1.012	1.188	0.817	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2008	0.856	1.422	1.000	1.019	0.752	1.289	0.904	1.000	1.000	1.000	1.000
12/31/2009	1.177	3.550	1.684	0.980	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2010	143.857	1.037	0.287	14.333	1.168	0.677	1.000	1.000			
12/31/2011	0.782	1.174	1.801	1.399	0.923	1.150	1.000				
12/31/2012	1.141	1.652	0.989	0.782	1.146	1.176					
12/31/2013	6.518	0.523	1.323	1.019	0.936						
12/31/2014	3.614	1.469	1.221	1.099							
12/31/2015	0.908	1.283	1.295								
12/31/2016	1.088	1.277									
12/31/2017	1.437										

3 Yr Mean	1.144	1.343	1.280	0.967	1.002	1.001	1.000	1.000	1.000	1.000	1.000
Best 3/5	2.046	1.343	1.280	1.172	1.027	1.109	1.000	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.048	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2002	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2003	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000	1.000	1.000					
12/31/2005	1.000	1.000						
12/31/2006	1.000							

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

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.027	1.109	1.000	1.000	1.000	1.000	1.000
12/31/2015				1.172	1.027	1.109	1.000	1.000	1.000	1.000	1.000
12/31/2016			1.280	1.172	1.027	1.109	1.000	1.000	1.000	1.000	1.000
12/31/2017		1.343	1.280	1.172	1.027	1.109	1.000	1.000	1.000	1.000	1.000
12/31/2018	2.046	1.343	1.280	1.172	1.027	1.109	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.139
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.335
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.709
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.295
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	4.695

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

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

A.Y.E	Allocated Expenses as of:										
	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	54,087	24,252	50,832	170,747	170,268	84,816	96,125	85,267	85,267	85,267	85,585
12/31/2000	37,549	49,441	50,038	58,555	34,922	43,294	52,417	41,388	41,388	41,706	41,706
12/31/2001	5,632	9,604	1,386	10,545	10,545	10,545	10,545	10,545	10,545	10,545	10,545
12/31/2002	5,022	1,034	35,128	45,225	90,217	73,995	73,995	73,995	73,995	73,995	73,995
12/31/2003	1,930	62,254	99,827	121,261	116,735	116,735	116,735	116,735	116,735	116,735	116,735
12/31/2004	1,753	14,871	87,118	88,574	103,574	96,790	97,268	97,268	97,268	97,268	97,268
12/31/2005	756	756	756	756	756	756	756	756	756	756	756
12/31/2006	114	9,593	49,571	94,065	152,889	199,765	191,969	191,969	191,969	191,969	191,969
12/31/2007	10,050	101,454	102,578	89,078	90,985	90,985	90,985	90,985	90,985	90,985	90,985
12/31/2008	20,037	26,375	48,613	55,003	54,374	62,752	64,045	68,545	68,545	68,545	68,545
12/31/2009	5,000	20,647	40,842	118,865	184,865	165,372	166,100	183,516	183,516	183,516	
12/31/2010	0	8,648	16,496	26,787	364,603	371,075	371,103	371,103	371,103		
12/31/2011	24,511	33,030	53,203	100,679	151,784	181,769	191,985	191,985			
12/31/2012	2,300	42,401	84,306	87,096	100,428	135,428	160,545				
12/31/2013	109	9,611	8,360	17,172	29,236	39,211					
12/31/2014	0	77,949	48,613	79,498	93,214						
12/31/2015	1,502	71,643	103,146	128,241							
12/31/2016	4,744	38,179	123,319								
12/31/2017	4,025	74,448									
12/31/2018	2,460										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	85,585	86,150	86,150	86,150	86,150	86,150	86,150	86,150	86,150
12/31/2000	71,412	71,564	71,564	71,564	71,564	71,564	71,564	71,564	
12/31/2001	10,545	10,545	10,545	10,545	10,545	10,545	10,545		
12/31/2002	73,995	73,995	73,995	73,995	73,995	73,995			
12/31/2003	116,735	116,735	116,735	116,735	116,735				
12/31/2004	97,268	97,268	97,268	97,268					
12/31/2005	756	756	756						
12/31/2006	191,969	191,969							
12/31/2007	90,985								

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	303,612	240,007	242,138	300,499	298,374	300,373	267,373	302,373	295,373	302,873	296,861
12/31/2000	383,001	443,153	720,702	801,274	823,411	758,460	819,890	856,390	806,959	896,757	900,581
12/31/2001	282,276	442,944	408,700	347,897	369,265	433,271	389,264	389,264	463,014	463,014	505,515
12/31/2002	265,871	369,351	447,282	453,782	703,133	626,365	706,765	748,365	748,365	737,365	737,365
12/31/2003	587,782	613,765	728,436	761,025	772,970	746,863	815,363	808,863	854,299	833,863	841,017
12/31/2004	551,765	584,043	820,345	734,595	683,827	1,020,956	1,058,722	975,836	973,634	973,634	1,001,177
12/31/2005	418,724	317,009	603,575	657,578	681,460	575,680	606,049	557,001	532,081	582,081	577,867
12/31/2006	733,678	741,239	851,979	842,895	1,230,297	1,048,081	870,772	870,772	870,772	879,022	880,822
12/31/2007	316,730	496,110	654,594	694,494	654,445	613,035	619,190	604,190	606,690	635,636	584,187
12/31/2008	927,770	1,113,018	1,270,794	1,180,651	1,074,856	906,596	1,023,802	1,103,302	1,106,202	1,101,202	1,020,032
12/31/2009	1,355,909	1,224,887	1,289,085	1,071,185	1,154,617	1,206,376	1,236,006	1,240,381	1,220,531	1,223,413	
12/31/2010	1,137,177	1,258,451	1,466,813	1,512,018	1,390,280	1,178,525	1,158,424	1,178,984	1,178,984		
12/31/2011	1,120,962	1,262,124	1,224,814	1,055,447	1,168,129	1,229,378	1,195,494	1,162,282			
12/31/2012	760,597	895,993	1,022,875	819,565	840,609	872,595	891,510				
12/31/2013	457,959	537,633	710,797	569,013	659,206	788,211					
12/31/2014	857,017	821,605	862,036	855,925	874,785						
12/31/2015	571,911	802,144	927,668	767,788							
12/31/2016	511,504	446,133	406,838								
12/31/2017	516,042	556,647									
12/31/2018	516,596										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	370,685	325,685	325,685	325,685	325,685	325,685	328,185	325,685	325,685
12/31/2000	864,331	864,331	864,331	864,331	874,331	871,831	870,998	870,498	
12/31/2001	525,677	425,657	425,493	425,493	435,493	435,493	435,493		
12/31/2002	737,365	737,365	737,365	737,365	737,365	737,365			
12/31/2003	834,863	834,863	834,863	834,863	834,863				
12/31/2004	996,963	996,963	996,963	996,963					
12/31/2005	597,867	621,673	606,923						
12/31/2006	876,355	876,355							
12/31/2007	570,550								

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

A.Y.E.	27: 15	39: 27	51: 39	Link Ratios							
				63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	0.791	1.009	1.241	0.993	1.007	0.890	1.131	0.977	1.025	0.980	1.249
12/31/2000	1.157	1.626	1.112	1.028	0.921	1.081	1.045	0.942	1.111	1.004	0.960
12/31/2001	1.569	0.923	0.851	1.061	1.173	0.898	1.000	1.189	1.000	1.092	1.040
12/31/2002	1.389	1.211	1.015	1.549	0.891	1.128	1.059	1.000	0.985	1.000	1.000
12/31/2003	1.044	1.187	1.045	1.016	0.966	1.092	0.992	1.056	0.976	1.009	0.993
12/31/2004	1.058	1.405	0.895	0.931	1.493	1.037	0.922	0.998	1.000	1.028	0.996
12/31/2005	0.757	1.904	1.089	1.036	0.845	1.053	0.919	0.955	1.094	0.993	1.035
12/31/2006	1.010	1.149	0.989	1.460	0.852	0.831	1.000	1.000	1.009	1.002	0.995
12/31/2007	1.566	1.319	1.061	0.942	0.937	1.010	0.976	1.004	1.048	0.919	0.977
12/31/2008	1.200	1.142	0.929	0.910	0.843	1.129	1.078	1.003	0.995	0.926	
12/31/2009	0.903	1.052	0.831	1.078	1.045	1.025	1.004	0.984	1.002		
12/31/2010	1.107	1.166	1.031	0.919	0.848	0.983	1.018	1.000			
12/31/2011	1.126	0.970	0.862	1.107	1.052	0.972	0.972				
12/31/2012	1.178	1.142	0.801	1.026	1.038	1.022					
12/31/2013	1.174	1.322	0.801	1.159	1.196						
12/31/2014	0.959	1.049	0.993	1.022							
12/31/2015	1.403	1.156	0.828								
12/31/2016	0.872	0.912									
12/31/2017	1.079										

3 Yr Mean	1.118	1.039	0.874	1.069	1.095	0.992	0.998	0.996	1.015	0.949	1.002
Best 3/5	1.071	1.116	0.830	1.052	1.045	1.010	0.999	1.001	1.020	0.974	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.879	1.000	1.000	1.000	1.000	1.008	0.992	1.000			
12/31/2000	1.000	1.000	1.000	1.012	0.997	0.999	0.999	1.000 *			
12/31/2001	0.810	1.000	1.000	1.024	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	1.004 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	1.040	0.976									
12/31/2006	1.000										

3 Yr Mean	1.013	0.992	1.000	1.008	0.999 @	1.002 @	0.996 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.004	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2014					1.045	1.010	0.999	1.001	1.020	0.974	0.995
12/31/2015				1.052	1.045	1.010	0.999	1.001	1.020	0.974	0.995
12/31/2016			0.830	1.052	1.045	1.010	0.999	1.001	1.020	0.974	0.995
12/31/2017		1.116	0.830	1.052	1.045	1.010	0.999	1.001	1.020	0.974	0.995
12/31/2018	1.071	1.116	0.830	1.052	1.045	1.010	0.999	1.001	1.020	0.974	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.000	1.000	1.000	1.004	1.000	1.000	1.000	1.000	1.000*	1.047
12/31/2015	1.000	1.000	1.000	1.004	1.000	1.000	1.000	1.000	1.000*	1.102
12/31/2016	1.000	1.000	1.000	1.004	1.000	1.000	1.000	1.000	1.000*	0.915
12/31/2017	1.000	1.000	1.000	1.004	1.000	1.000	1.000	1.000	1.000*	1.021
12/31/2018	1.000	1.000	1.000	1.004	1.000	1.000	1.000	1.000	1.000*	1.093

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

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

A.Y.E	Allocated Expenses as of:										
	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	73,350	22,868	37,585	73,965	159,655	159,807	148,898	159,686	151,332	151,332	151,332
12/31/2000	49,105	78,158	155,338	265,780	342,889	351,442	411,336	440,471	493,131	487,501	508,256
12/31/2001	33,797	75,480	139,210	176,723	242,536	287,213	370,515	406,770	443,622	482,875	507,389
12/31/2002	9,089	33,891	127,926	136,146	361,702	339,080	371,672	441,270	959,925	1,390,422	1,550,229
12/31/2003	76,250	69,694	97,774	156,637	198,039	197,981	220,572	238,689	363,254	364,563	387,410
12/31/2004	24,098	79,150	146,363	188,617	325,123	498,171	624,953	655,169	646,568	605,930	632,201
12/31/2005	7,062	151,485	263,313	393,550	533,176	604,284	624,951	659,951	629,480	655,751	652,079
12/31/2006	92,494	73,844	158,471	328,961	556,186	551,260	578,698	578,698	578,698	578,698	588,698
12/31/2007	14,484	32,393	112,670	174,555	228,276	238,478	249,940	254,361	268,772	278,921	296,619
12/31/2008	184,649	474,035	819,866	945,134	999,796	1,072,102	1,171,306	1,131,858	1,251,413	1,307,961	1,307,961
12/31/2009	89,118	197,972	226,953	238,789	252,213	302,023	344,668	377,929	424,750	431,167	
12/31/2010	66,888	188,543	409,869	790,328	773,313	779,176	713,178	719,722	719,722		
12/31/2011	78,273	106,616	173,530	348,384	474,973	603,109	645,067	654,411			
12/31/2012	83,285	432,193	401,672	462,642	466,519	468,648	473,423				
12/31/2013	115,374	158,079	168,100	328,305	648,756	699,969					
12/31/2014	72,772	81,548	194,552	191,832	218,371						
12/31/2015	65,528	123,472	178,760	229,941							
12/31/2016	3,510	58,930	128,154								
12/31/2017	76,293	88,759									
12/31/2018	69,643										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	158,454	158,454	159,005	159,005	159,005	159,005	159,005	159,005	159,005
12/31/2000	481,880	482,431	482,431	482,431	556,195	560,455	582,709	585,848	
12/31/2001	512,722	537,473	537,198	537,198	537,198	537,198	537,198		
12/31/2002	1,550,229	1,550,229	1,550,229	1,550,229	1,550,229	1,550,229			
12/31/2003	389,286	389,286	389,286	389,286	389,286				
12/31/2004	626,438	626,438	626,438	626,438					
12/31/2005	672,787	673,466	673,466						
12/31/2006	578,698	578,698							
12/31/2007	297,640								

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	4,956,833	6,997,254	9,702,054	11,503,345	11,550,057	11,806,217	11,486,813	11,275,709	11,277,262	11,301,812	11,324,606
12/31/2000	3,161,020	7,032,572	9,020,885	10,626,496	10,512,292	10,857,836	10,356,898	10,420,083	10,270,732	10,309,376	10,306,797
12/31/2001	3,122,564	6,716,472	8,908,525	9,878,483	10,467,130	10,520,411	10,353,113	10,107,990	10,003,388	9,901,935	9,923,305
12/31/2002	2,897,561	6,865,145	9,002,579	9,805,765	10,739,856	10,865,771	11,151,148	11,357,869	11,502,501	11,555,831	11,589,549
12/31/2003	3,612,890	6,617,194	9,969,513	10,646,523	10,531,387	10,340,245	10,114,947	10,077,141	10,060,673	10,097,074	10,148,084
12/31/2004	4,686,540	7,094,003	9,584,995	10,682,560	10,795,982	10,316,931	10,629,712	10,584,946	10,568,534	10,603,697	10,708,555
12/31/2005	4,166,570	7,107,994	9,954,107	11,194,209	10,993,689	11,195,470	11,511,084	11,421,373	11,338,779	11,435,715	11,391,261
12/31/2006	4,486,358	8,514,115	12,455,387	13,076,313	12,929,083	13,111,153	12,966,886	13,179,515	13,090,804	13,005,483	12,932,373
12/31/2007	4,289,508	8,282,118	11,145,959	12,269,098	12,290,037	12,327,570	12,034,326	12,184,965	12,381,873	12,167,398	12,147,985
12/31/2008	4,236,718	7,704,790	10,965,360	11,869,482	11,630,179	11,626,770	12,289,095	12,070,191	12,126,593	12,082,352	12,246,758
12/31/2009	4,868,191	7,733,590	10,813,605	11,349,866	11,444,053	11,835,965	11,440,685	11,428,102	11,314,699	11,155,367	
12/31/2010	4,787,074	9,758,644	12,146,043	13,409,582	14,363,567	14,411,482	13,965,812	13,822,151	13,714,384		
12/31/2011	4,592,218	7,281,911	10,926,404	12,942,917	12,904,776	11,881,715	11,971,646	11,755,069			
12/31/2012	3,366,624	7,210,935	13,070,709	12,851,616	13,154,080	13,084,601	12,729,945				
12/31/2013	4,432,335	9,778,399	11,756,233	13,418,362	13,483,211	13,579,893					
12/31/2014	5,447,688	8,149,646	12,314,193	13,091,886	12,678,787						
12/31/2015	4,437,364	8,197,069	12,273,824	13,104,598							
12/31/2016	3,002,552	8,418,869	12,205,818								
12/31/2017	5,253,013	9,593,527									
12/31/2018	6,008,084										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	11,281,838	11,243,570	11,229,697	11,229,396	11,229,397	11,229,396	11,229,396	11,229,395	11,229,395
12/31/2000	10,343,090	10,395,934	10,338,583	10,391,837	10,386,833	10,401,832	10,401,832	10,400,282	
12/31/2001	9,974,307	9,977,990	10,015,032	10,058,239	10,034,875	10,004,674	10,099,719		
12/31/2002	11,522,754	11,553,287	11,697,521	11,698,231	11,687,193	11,731,321			
12/31/2003	10,183,588	10,196,646	10,235,388	10,215,387	10,215,887				
12/31/2004	10,772,825	10,969,285	10,905,069	10,912,070					
12/31/2005	11,284,522	11,236,614	11,175,273						
12/31/2006	12,934,372	12,926,819							
12/31/2007	12,172,480								

COMPLETED OPERATIONS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.412	1.387	1.186	1.004	1.022	0.973	0.982	1.000	1.002	1.002	0.996
12/31/2000	2.225	1.283	1.178	0.989	1.033	0.954	1.006	0.986	1.004	1.000	1.004
12/31/2001	2.151	1.326	1.109	1.060	1.005	0.984	0.976	0.990	0.990	1.002	1.005
12/31/2002	2.369	1.311	1.089	1.095	1.012	1.026	1.019	1.013	1.005	1.003	0.994
12/31/2003	1.832	1.507	1.068	0.989	0.982	0.978	0.996	0.998	1.004	1.005	1.003
12/31/2004	1.514	1.351	1.115	1.011	0.956	1.030	0.996	0.998	1.003	1.010	1.006
12/31/2005	1.706	1.400	1.125	0.982	1.018	1.028	0.992	0.993	1.009	0.996	0.991
12/31/2006	1.898	1.463	1.050	0.989	1.014	0.989	1.016	0.993	0.993	1.016	1.000
12/31/2007	1.931	1.346	1.101	1.002	1.003	0.976	1.013	1.016	0.983	0.998	1.002
12/31/2008	1.819	1.423	1.082	0.980	1.000	1.057	0.982	1.005	0.996	1.014	
12/31/2009	1.589	1.398	1.050	1.008	1.034	0.967	0.999	0.990	0.986		
12/31/2010	2.039	1.245	1.104	1.071	1.003	0.969	0.990	0.992			
12/31/2011	1.586	1.500	1.185	0.997	0.921	1.008	0.982				
12/31/2012	2.142	1.813	0.983	1.024	0.995	0.973					
12/31/2013	2.206	1.202	1.141	1.005	1.007						
12/31/2014	1.496	1.511	1.063	0.968							
12/31/2015	1.847	1.497	1.068								
12/31/2016	2.804	1.450									
12/31/2017	1.826										

3 Yr Mean 2.159 1.486 1.091 0.999 0.974 0.983 0.990 0.996 0.988 1.002 0.998

Best 3/5 1.960 1.486 1.091 1.009 1.002 0.983 0.990 0.997 0.992 1.001 1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.005	0.994	1.005	1.000	1.001	1.000	1.000	1.000 *			
12/31/2001	1.000	1.004	1.004	0.998	0.997	1.010	1.000 *	1.000 *			
12/31/2002	1.003	1.012	1.000	0.999	1.004	1.000 *	1.000 *	1.000 *			
12/31/2003	1.001	1.004	0.998	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.018	0.994	1.001								
12/31/2005	0.996	0.995									
12/31/2006	0.999										

3 Yr Mean 1.004 0.998 1.000 0.999 1.001 @ 1.003 @ 1.000 @ 1.000 @

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2015				1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2016			1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2017		1.486	1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2018	1.960	1.486	1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	0.971
12/31/2015	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	0.980
12/31/2016	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.069
12/31/2017	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.589
12/31/2018	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	3.114

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	404,714	874,417	1,874,163	2,237,696	2,297,649	1,809,642	1,786,359	1,845,557	1,883,682	1,920,172	1,991,256
12/31/2000	350,798	514,262	1,161,368	1,461,454	1,251,531	1,824,321	1,645,592	1,526,792	1,602,111	1,592,811	1,521,613
12/31/2001	341,894	717,993	931,446	983,561	925,921	1,006,703	1,264,056	1,362,273	1,314,023	1,301,223	1,308,023
12/31/2002	229,242	650,739	1,124,018	1,164,317	1,373,666	1,361,220	1,672,423	1,722,423	1,546,341	1,493,066	1,515,902
12/31/2003	319,688	867,685	1,366,084	1,255,628	1,211,547	1,314,289	1,316,395	1,340,895	1,420,195	1,420,197	1,443,795
12/31/2004	267,810	621,021	1,029,012	1,052,518	1,091,198	1,010,394	847,293	874,261	891,150	878,580	829,980
12/31/2005	666,837	1,045,465	1,124,246	1,101,235	1,202,588	1,059,558	1,149,104	1,150,432	1,118,532	1,252,441	1,197,866
12/31/2006	818,931	1,320,993	1,476,958	1,588,453	1,683,437	1,415,017	1,390,016	1,610,616	1,750,067	1,700,298	1,596,566
12/31/2007	270,668	948,364	953,464	1,093,194	1,160,444	1,273,644	1,213,956	1,206,781	1,181,807	1,181,308	1,229,358
12/31/2008	288,189	736,486	765,196	902,388	835,573	1,014,521	1,107,977	1,245,724	1,258,771	1,196,313	1,195,313
12/31/2009	566,791	1,045,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244	1,038,243	1,153,243	
12/31/2010	641,422	781,803	1,438,274	1,851,833	1,583,598	1,516,454	1,441,164	1,487,665	1,582,736		
12/31/2011	270,205	819,627	1,230,077	1,689,436	1,722,481	1,706,863	1,706,863	1,706,863			
12/31/2012	383,511	1,139,597	1,405,578	1,652,860	1,649,357	1,695,210	1,692,710				
12/31/2013	1,675,399	2,417,513	2,662,315	2,672,081	2,667,808	2,768,307					
12/31/2014	1,950,981	2,466,662	2,836,296	3,126,175	3,209,813						
12/31/2015	980,710	1,453,033	1,925,708	2,328,985							
12/31/2016	1,110,372	2,429,268	2,968,685								
12/31/2017	554,719	1,996,465									
12/31/2018	870,529										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	1,986,257	1,921,257	1,867,257	1,867,257	1,867,260	1,867,257	1,867,257	1,867,257	1,867,257
12/31/2000	1,538,613	1,533,111	1,503,111	1,570,611	1,565,611	1,565,611	1,566,111	1,567,161	
12/31/2001	1,261,828	1,261,831	1,309,828	1,274,827	1,274,828	1,299,828	1,332,327		
12/31/2002	1,467,700	1,579,904	1,581,334	1,581,333	1,581,333	1,681,332			
12/31/2003	1,446,695	1,424,195	1,423,696	1,423,696	1,523,695				
12/31/2004	828,318	828,219	833,218	933,217					
12/31/2005	1,237,867	1,311,837	1,312,086						
12/31/2006	1,555,316	1,655,313							
12/31/2007	1,438,357								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	2.161	2.143	1.194	1.027	0.788	0.987	1.033	1.021	1.019	1.037	0.997
12/31/2000	1.466	2.258	1.258	0.856	1.458	0.902	0.928	1.049	0.994	0.955	1.011
12/31/2001	2.100	1.297	1.056	0.941	1.087	1.256	1.078	0.965	0.990	1.005	0.965
12/31/2002	2.839	1.727	1.036	1.180	0.991	1.229	1.030	0.898	0.966	1.015	0.968
12/31/2003	2.714	1.574	0.919	0.965	1.085	1.002	1.019	1.059	1.000	1.017	1.002
12/31/2004	2.319	1.657	1.023	1.037	0.926	0.839	1.032	1.019	0.986	0.945	0.998
12/31/2005	1.568	1.075	0.980	1.092	0.881	1.085	1.001	0.972	1.120	0.956	1.033
12/31/2006	1.613	1.118	1.075	1.060	0.841	0.982	1.159	1.087	0.972	0.939	0.974
12/31/2007	3.504	1.005	1.147	1.062	1.098	0.953	0.994	0.979	1.000	1.041	1.170
12/31/2008	2.556	1.039	1.179	0.926	1.214	1.092	1.124	1.010	0.950	0.999	
12/31/2009	1.844	1.023	1.182	0.858	1.064	0.952	0.999	0.946	1.111		
12/31/2010	1.219	1.840	1.288	0.855	0.958	0.950	1.032	1.064			
12/31/2011	3.033	1.501	1.373	1.020	0.991	1.000	1.000				
12/31/2012	2.971	1.233	1.176	0.998	1.028	0.999					
12/31/2013	1.443	1.101	1.004	0.998	1.038						
12/31/2014	1.264	1.150	1.102	1.027							
12/31/2015	1.482	1.325	1.209								
12/31/2016	2.188	1.222									
12/31/2017	3.599										

3 Yr Mean	2.423	1.232	1.105	1.008	1.019	0.983	1.010	1.007	1.020	0.993	1.059
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Best 3/5	1.704	1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	0.967	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	0.996	0.980	1.045	0.997	1.000	1.000	1.001	1.002 *
12/31/2001	1.000	1.038	0.973	1.000	1.020	1.025	1.004 *	1.002 *
12/31/2002	1.076	1.001	1.000	1.000	1.063	1.007 *	1.004 *	1.002 *
12/31/2003	0.984	1.000	1.000	1.070	1.000 *	1.007 *	1.004 *	1.002 *
12/31/2004	1.000	1.006	1.120					
12/31/2005	1.060	1.000						
12/31/2006	1.064							

3 Yr Mean	1.041	1.002	1.040	1.023	1.028 @	1.008 @	1.001 @	1.000 @
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Best 3/5	1.041	1.002	1.015	1.000	1.007 *	1.005 *	1.003 *	1.002 *
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A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2015				1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2016			1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2017		1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2018	1.704	1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.120
12/31/2015	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.126
12/31/2016	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.308
12/31/2017	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.572
12/31/2018	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	2.679

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

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

Allocated Expenses as of:											
A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	890,508	1,598,954	3,254,883	5,425,757	6,421,483	7,327,626	7,305,050	7,918,594	8,530,517	8,648,466	8,917,435
12/31/2000	643,848	2,331,874	3,566,128	5,837,479	6,471,043	7,149,476	7,182,915	7,183,356	7,234,045	7,482,173	7,492,689
12/31/2001	564,536	1,841,013	3,740,473	5,597,252	7,365,879	8,104,983	8,750,061	8,750,391	8,813,420	8,823,647	8,795,893
12/31/2002	654,307	2,802,220	4,513,704	7,859,619	8,633,167	10,041,112	10,369,555	10,736,012	10,986,348	11,002,397	11,074,764
12/31/2003	1,047,161	2,229,991	4,639,200	7,434,876	8,340,416	9,003,483	9,652,654	9,648,716	9,520,081	9,559,102	9,611,250
12/31/2004	541,289	1,809,061	4,208,694	6,668,763	8,457,521	9,621,299	10,825,994	10,459,506	10,530,647	10,559,053	10,882,331
12/31/2005	737,161	1,341,851	3,695,927	6,083,030	7,439,433	8,214,925	8,761,458	8,973,491	9,291,777	9,584,330	9,754,869
12/31/2006	889,126	3,634,712	6,271,204	7,909,774	9,265,894	10,466,936	11,033,230	11,367,400	11,641,649	11,656,624	11,635,939
12/31/2007	817,267	2,516,874	5,470,176	9,150,556	10,174,735	10,788,755	11,080,063	11,364,093	11,545,473	11,658,184	11,686,938
12/31/2008	825,433	1,909,021	4,206,120	6,424,317	8,462,232	9,680,025	10,405,279	10,968,718	11,666,928	14,924,775	14,717,385
12/31/2009	544,523	1,995,974	4,184,545	6,498,331	8,786,455	9,366,439	9,651,394	9,873,136	9,885,249	10,002,293	
12/31/2010	797,308	2,771,965	5,305,585	7,969,842	10,483,462	11,590,011	12,445,934	12,482,184	12,868,867		
12/31/2011	779,416	1,912,711	4,295,522	7,598,311	9,969,328	10,824,179	11,313,052	11,440,687			
12/31/2012	284,923	1,563,412	5,459,116	8,055,321	9,703,087	11,271,406	11,948,835				
12/31/2013	518,869	2,133,963	4,889,049	8,365,829	10,301,339	11,660,764					
12/31/2014	543,643	2,213,840	5,318,837	7,434,580	8,571,200						
12/31/2015	462,007	1,841,087	4,870,573	7,051,384							
12/31/2016	405,440	1,822,495	3,879,852								
12/31/2017	634,607	2,440,841									
12/31/2018	431,665										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	9,111,478	9,008,442	8,999,982	9,001,121	9,001,346	9,001,814	8,999,916	9,002,839	9,011,923
12/31/2000	7,605,229	7,601,711	7,591,025	7,596,838	7,600,594	7,612,821	7,620,353	7,631,608	
12/31/2001	8,828,357	8,817,081	8,829,441	8,899,194	8,903,841	8,914,042	8,917,930		
12/31/2002	11,145,226	11,313,906	11,401,767	11,504,625	11,516,458	11,775,404			
12/31/2003	9,722,536	9,760,173	9,837,471	9,854,237	9,869,654				
12/31/2004	11,065,743	11,191,855	11,242,185	11,287,030					
12/31/2005	9,895,179	10,121,308	10,181,566						
12/31/2006	11,732,750	11,730,831							
12/31/2007	11,684,458								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.001	1.002	*	
12/31/2000	1.001	1.000	1.002	1.001	1.001	1.001	1.002	*	
12/31/2001	1.008	1.001	1.001	1.000	1.001	*	1.001	*	
12/31/2002	1.009	1.001	1.022	1.001	*	1.001	*	1.002	*
12/31/2003	1.002	1.002	1.000	*	1.001	*	1.001	*	1.002
12/31/2004	1.004								
Best 3/5	1.005	1.001	1.001	*	1.001	*	1.001	*	1.002

171 to Ultimate Factor: 1.012

* Calculated Using Modified Bondy Method

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

	Increments													
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>	
12/31/1999	708,446	1,655,929	2,170,874	995,726	906,143	-22,576	613,544	611,923	117,949	268,969	194,043	-103,036	-8,460	
12/31/2000	1,688,026	1,234,254	2,271,351	633,564	678,433	33,439	441	50,689	248,128	10,516	112,540	-3,518	-10,686	
12/31/2001	1,276,477	1,899,460	1,856,779	1,768,627	739,104	645,078	330	63,029	10,227	-27,754	32,464	-11,276	12,360	
12/31/2002	2,147,913	1,711,484	3,345,915	773,548	1,407,945	328,443	366,457	250,336	16,049	72,367	70,462	168,680	87,861	
12/31/2003	1,182,830	2,409,209	2,795,676	905,540	663,067	649,171	-3,938	-128,635	39,021	52,148	111,286	37,637	77,298	
12/31/2004	1,267,772	2,399,633	2,460,069	1,788,758	1,163,778	1,204,695	-366,488	71,141	28,406	323,278	183,412	126,112	50,330	
12/31/2005	604,690	2,354,076	2,387,103	1,356,403	775,492	546,533	212,033	318,286	292,553	170,539	140,310	226,129	60,258	
12/31/2006	2,745,586	2,636,492	1,638,570	1,356,120	1,201,042	566,294	334,170	274,249	14,975	-20,685	96,811	-1,919		
12/31/2007	1,699,607	2,953,302	3,680,380	1,024,179	614,020	291,308	284,030	181,380	112,711	28,754	-2,480			
12/31/2008	1,083,588	2,297,099	2,218,197	2,037,915	1,217,793	725,254	563,439	698,210	3,257,847	-207,390				
12/31/2009	1,451,451	2,188,571	2,313,786	2,288,124	579,984	284,955	221,742	12,113	117,044					
12/31/2010	1,974,657	2,533,620	2,664,257	2,513,620	1,106,549	855,923	36,250	386,683						
12/31/2011	1,133,295	2,382,811	3,302,789	2,371,017	854,851	488,873	127,635							
12/31/2012	1,278,489	3,895,704	2,596,205	1,647,766	1,568,319	677,429								
12/31/2013	1,615,094	2,755,086	3,476,780	1,935,510	1,359,425									
12/31/2014	1,670,197	3,104,997	2,115,743	1,136,620										
12/31/2015	1,379,080	3,029,486	2,180,811											
12/31/2016	1,417,055	2,057,357												
12/31/2017	1,806,234													

A.Y.E	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0349	0.0816	0.1070	0.0491	0.0446	-0.0011	0.0302	0.0301	0.0058	0.0133	0.0096	-0.0051	-0.0004
12/31/2000	0.0869	0.0635	0.1169	0.0326	0.0349	0.0017	0.0000	0.0026	0.0128	0.0005	0.0058	-0.0002	-0.0005
12/31/2001	0.0731	0.1088	0.1063	0.1013	0.0423	0.0369	0.0000	0.0036	0.0006	-0.0016	0.0019	-0.0006	0.0007
12/31/2002	0.0960	0.0765	0.1495	0.0346	0.0629	0.0147	0.0164	0.0112	0.0007	0.0032	0.0031	0.0075	0.0039
12/31/2003	0.0677	0.1380	0.1601	0.0519	0.0380	0.0372	-0.0002	-0.0074	0.0022	0.0030	0.0064	0.0022	0.0044
12/31/2004	0.0678	0.1283	0.1315	0.0956	0.0622	0.0644	-0.0196	0.0038	0.0015	0.0173	0.0098	0.0067	0.0027
12/31/2005	0.0265	0.1032	0.1046	0.0594	0.0340	0.0240	0.0093	0.0139	0.0128	0.0075	0.0061	0.0099	0.0026
12/31/2006	0.1072	0.1030	0.0640	0.0530	0.0469	0.0221	0.0130	0.0107	0.0006	-0.0008	0.0038	-0.0001	
12/31/2007	0.0798	0.1386	0.1728	0.0481	0.0288	0.0137	0.0133	0.0085	0.0053	0.0013	-0.0001		
12/31/2008	0.0486	0.1030	0.0994	0.0914	0.0546	0.0325	0.0253	0.0313	0.1460	-0.0093			
12/31/2009	0.0660	0.0995	0.1052	0.1041	0.0264	0.0130	0.0101	0.0006	0.0053				
12/31/2010	0.0818	0.1050	0.1104	0.1042	0.0458	0.0355	0.0015	0.0160					
12/31/2011	0.0535	0.1125	0.1560	0.1120	0.0404	0.0231	0.0060						
12/31/2012	0.0520	0.1583	0.1055	0.0670	0.0637	0.0275							
12/31/2013	0.0654	0.1116	0.1409	0.0784	0.0551								
12/31/2014	0.0729	0.1355	0.0923	0.0496									
12/31/2015	0.0601	0.1321	0.0951										
12/31/2016	0.0545	0.0791											
12/31/2017	0.0555												

Best 3/5	0.0604	0.1264	0.1138	0.0832	0.0471	0.0277	0.0098	0.0117	0.0078	0.0027	0.0054	0.0055	0.0031
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COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	17,599,989	22,454,473	26,046,127	29,562,061	32,370,320	35,877,922	37,653,769	38,643,310	39,594,313	40,570,468	40,738,228
12/31/2000	20,148,215	28,117,537	33,733,241	38,083,537	40,534,637	43,442,144	47,070,033	48,693,596	49,659,853	50,864,816	51,204,766
12/31/2001	22,510,580	30,442,420	36,303,332	39,979,579	43,246,242	44,802,398	45,830,354	48,128,085	49,452,012	49,989,510	49,995,824
12/31/2002	23,942,676	32,500,184	36,636,196	41,459,403	42,462,013	43,302,516	45,305,257	47,063,599	47,981,622	47,466,223	47,890,555
12/31/2003	27,265,666	32,650,070	36,957,858	37,463,953	39,827,295	40,944,922	41,480,008	42,523,955	43,740,689	43,931,137	44,470,197
12/31/2004	27,439,588	33,954,287	37,809,524	41,667,059	44,039,186	45,918,270	47,701,876	48,688,019	50,558,507	51,255,498	52,665,600
12/31/2005	24,441,902	30,021,631	34,159,132	38,667,459	41,089,600	43,660,220	46,355,866	47,633,893	49,215,729	49,424,547	50,472,459
12/31/2006	33,251,639	40,963,717	47,016,396	52,296,103	58,005,321	59,899,447	61,613,000	61,134,942	62,533,335	63,360,384	65,294,375
12/31/2007	37,478,911	45,385,473	54,043,566	56,932,040	59,518,933	61,515,339	62,521,476	64,578,463	66,303,739	68,449,195	70,993,010
12/31/2008	46,746,190	55,030,465	60,846,012	63,453,576	64,664,973	65,907,275	68,135,592	69,345,267	77,558,317	85,573,198	80,392,789
12/31/2009	50,614,467	59,080,856	65,592,058	66,906,596	68,558,709	69,306,834	70,387,519	73,634,396	78,978,315	79,312,015	
12/31/2010	50,249,441	59,040,061	62,599,203	64,398,679	66,662,622	68,124,844	69,513,387	71,647,625	73,500,618		
12/31/2011	50,195,255	56,010,649	58,198,283	58,649,085	59,965,899	62,392,350	64,582,427	65,916,858			
12/31/2012	42,530,139	48,022,963	49,922,237	52,558,947	55,321,739	57,911,305	59,680,496				
12/31/2013	37,680,360	42,122,567	46,464,088	48,430,126	51,135,291	52,876,083					
12/31/2014	38,513,971	44,501,138	47,606,411	49,609,846	50,564,942						
12/31/2015	35,973,160	42,715,059	47,871,650	51,342,816							
12/31/2016	35,239,568	45,331,006	50,354,922								
12/31/2017	38,074,708	46,164,945									
12/31/2018	41,103,743										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1999	40,957,384	41,152,372	41,043,145	41,246,586	41,187,833	41,307,131	41,306,349	41,381,160	41,374,042		
12/31/2000	51,776,232	51,670,398	51,668,291	51,689,055	51,572,415	51,442,716	51,489,129	51,490,970			
12/31/2001	50,324,295	50,035,846	50,162,941	50,378,683	50,345,144	50,483,753	50,770,646				
12/31/2002	48,212,469	48,315,325	48,445,558	48,467,239	48,973,417	49,091,954					
12/31/2003	44,530,235	44,960,842	45,372,085	45,920,923	46,247,275						
12/31/2004	53,486,742	53,985,474	54,030,819	54,502,221							
12/31/2005	50,794,958	51,242,946	51,786,291								
12/31/2006	66,435,190	67,420,635									
12/31/2007	71,946,233										

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.276	1.160	1.135	1.095	1.108	1.049	1.026	1.025	1.025	1.004	1.005
12/31/2000	1.396	1.200	1.129	1.064	1.072	1.084	1.034	1.020	1.024	1.007	1.011
12/31/2001	1.352	1.193	1.101	1.082	1.036	1.023	1.050	1.028	1.011	1.000	1.007
12/31/2002	1.357	1.127	1.132	1.024	1.020	1.046	1.039	1.020	0.989	1.009	1.007
12/31/2003	1.197	1.132	1.014	1.063	1.028	1.013	1.025	1.029	1.004	1.012	1.001
12/31/2004	1.237	1.114	1.102	1.057	1.043	1.039	1.021	1.038	1.014	1.028	1.016
12/31/2005	1.228	1.138	1.132	1.063	1.063	1.062	1.028	1.033	1.004	1.021	1.006
12/31/2006	1.232	1.148	1.112	1.109	1.033	1.029	0.992	1.023	1.013	1.031	1.017
12/31/2007	1.211	1.191	1.053	1.045	1.034	1.016	1.033	1.027	1.032	1.037	1.013
12/31/2008	1.177	1.106	1.043	1.019	1.019	1.034	1.018	1.118	1.103	0.939	
12/31/2009	1.167	1.110	1.020	1.025	1.011	1.016	1.046	1.073	1.004		
12/31/2010	1.175	1.060	1.029	1.035	1.022	1.020	1.031	1.026			
12/31/2011	1.116	1.039	1.008	1.022	1.040	1.035	1.021				
12/31/2012	1.129	1.040	1.053	1.053	1.047	1.031					
12/31/2013	1.118	1.103	1.042	1.056	1.034						
12/31/2014	1.155	1.070	1.042	1.019							
12/31/2015	1.187	1.121	1.073								
12/31/2016	1.286	1.111									
12/31/2017	1.212										

3 Yr Mean	1.228	1.101	1.052	1.043	1.040	1.029	1.033	1.072	1.046	1.002	1.012
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Best 3/5	1.185	1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.005	0.997	1.005	0.999	1.003	1.000	1.002	1.000			
12/31/2000	0.998	1.000	1.000	0.998	0.997	1.001	1.000	1.002 *			
12/31/2001	0.994	1.003	1.004	0.999	1.003	1.006	1.002 *	1.002 *			
12/31/2002	1.002	1.003	1.000	1.010	1.002	1.002 *	1.002 *	1.002 *			
12/31/2003	1.010	1.009	1.012	1.007	1.001 *	1.002 *	1.002 *	1.002 *			
12/31/2004	1.009	1.001	1.009								
12/31/2005	1.009	1.011									
12/31/2006	1.015										

3 Yr Mean	1.011	1.007	1.007	1.005	1.001 @	1.002 @	1.001 @	1.000 @			
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Best 3/5	1.009	1.005	1.004	1.002	1.002 *	1.002 *	1.002 *	1.002 *			
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A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2015				1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2016			1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2017		1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2018	1.185	1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.244
12/31/2015	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.290
12/31/2016	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.349
12/31/2017	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.477
12/31/2018	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.751

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	3,142,541	4,977,597	5,527,609	7,197,579	8,141,449	9,579,842	11,039,408	12,035,649	12,734,940	13,067,600	13,561,726
12/31/2000	3,400,770	5,146,115	7,094,639	9,275,829	11,482,702	14,262,234	16,346,990	18,132,176	18,953,322	21,225,933	22,978,551
12/31/2001	3,489,097	5,541,713	7,596,604	10,340,541	13,626,492	16,865,666	21,643,955	23,053,258	25,546,037	25,617,725	27,154,935
12/31/2002	3,869,547	5,269,389	7,634,451	9,448,387	11,115,022	13,703,839	15,356,116	17,226,965	19,460,727	19,390,207	19,372,934
12/31/2003	4,149,510	6,037,111	7,638,180	8,422,617	9,776,188	10,377,702	11,377,578	12,070,965	12,746,610	13,596,034	13,514,320
12/31/2004	5,713,030	7,273,617	9,072,102	9,621,873	10,360,231	11,365,247	12,050,208	13,233,590	13,816,700	14,195,450	14,420,607
12/31/2005	6,367,860	8,777,525	9,741,409	10,326,087	11,626,756	12,389,964	12,824,831	13,608,783	14,235,890	14,331,722	14,545,124
12/31/2006	7,279,926	8,817,707	9,982,104	10,720,177	10,771,667	11,702,567	12,317,963	13,039,835	13,456,151	14,670,374	15,511,896
12/31/2007	9,403,204	11,511,865	11,956,531	12,390,151	13,164,956	13,680,133	14,775,331	15,475,514	16,228,583	17,474,496	17,511,929
12/31/2008	8,712,888	11,525,141	13,850,601	14,313,077	15,269,695	16,210,357	17,369,962	17,860,780	18,589,934	18,718,045	19,223,791
12/31/2009	7,979,788	10,320,500	11,838,366	12,625,681	13,654,353	15,195,568	16,397,696	16,933,219	17,598,778	18,050,046	
12/31/2010	9,056,769	10,657,449	10,911,041	11,745,824	12,597,278	12,949,027	13,227,231	14,123,135	14,480,770		
12/31/2011	8,411,352	10,340,541	11,336,352	11,446,268	12,211,032	12,892,273	13,370,415	13,812,048			
12/31/2012	7,813,203	9,214,668	9,925,070	10,448,675	11,837,770	12,473,737	12,737,058				
12/31/2013	10,344,923	12,289,236	12,950,872	13,773,169	14,353,939	15,031,095					
12/31/2014	10,480,704	12,363,373	14,118,754	15,606,041	16,471,188						
12/31/2015	12,410,417	15,384,247	16,277,335	16,843,450							
12/31/2016	13,146,314	15,132,055	17,680,734								
12/31/2017	11,707,532	14,190,927									
12/31/2018	12,594,173										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1999	13,773,043	14,046,320	13,885,369	13,817,430	13,835,222	13,783,045	13,783,045	13,783,404	13,795,325		
12/31/2000	23,550,809	23,750,305	23,668,239	23,641,027	23,416,548	23,246,003	23,296,276	23,291,802			
12/31/2001	27,315,593	27,393,881	27,015,323	26,923,448	26,761,541	26,807,288	26,739,738				
12/31/2002	19,691,678	19,493,471	19,197,635	18,967,507	19,046,399	19,042,195					
12/31/2003	13,360,804	13,561,372	13,214,880	13,166,186	13,111,180						
12/31/2004	14,456,912	14,600,056	14,634,325	14,713,020							
12/31/2005	15,129,417	15,334,155	15,512,099								
12/31/2006	15,568,205	15,844,351									
12/31/2007	17,949,138										

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.584	1.110	1.302	1.131	1.177	1.152	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.513	1.379	1.307	1.238	1.242	1.146	1.109	1.045	1.120	1.083	1.025
12/31/2001	1.588	1.371	1.361	1.318	1.238	1.283	1.065	1.108	1.003	1.060	1.006
12/31/2002	1.362	1.449	1.238	1.176	1.233	1.121	1.122	1.130	0.996	0.999	1.016
12/31/2003	1.455	1.265	1.103	1.161	1.062	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.273	1.247	1.061	1.077	1.097	1.060	1.098	1.044	1.027	1.016	1.003
12/31/2005	1.378	1.110	1.060	1.126	1.066	1.035	1.061	1.046	1.007	1.015	1.040
12/31/2006	1.211	1.132	1.074	1.005	1.086	1.053	1.059	1.032	1.090	1.057	1.004
12/31/2007	1.224	1.039	1.036	1.063	1.039	1.080	1.047	1.049	1.077	1.002	1.025
12/31/2008	1.323	1.202	1.033	1.067	1.062	1.072	1.028	1.041	1.007	1.027	
12/31/2009	1.293	1.147	1.067	1.081	1.113	1.079	1.033	1.039	1.026		
12/31/2010	1.177	1.024	1.077	1.072	1.028	1.021	1.068	1.025			
12/31/2011	1.229	1.096	1.010	1.067	1.056	1.037	1.033				
12/31/2012	1.179	1.077	1.053	1.133	1.054	1.021					
12/31/2013	1.188	1.054	1.063	1.042	1.047						
12/31/2014	1.180	1.142	1.105	1.055							
12/31/2015	1.240	1.058	1.035								
12/31/2016	1.151	1.168									
12/31/2017	1.212										

3 Yr Mean 1.201 1.123 1.068 1.077 1.052 1.026 1.045 1.035 1.037 1.029 1.023

Best 3/5 1.193 1.092 1.050 1.065 1.052 1.043 1.038 1.037 1.037 1.019 1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000	1.001			
12/31/2000	1.008	0.997	0.999	0.991	0.993	1.002	1.000	1.000 *			
12/31/2001	1.003	0.986	0.997	0.994	1.002	0.997	1.000 *	1.000 *			
12/31/2002	0.990	0.985	0.988	1.004	1.000	0.999 *	1.000 *	1.000 *			
12/31/2003	1.015	0.974	0.996	0.996	0.997 *	0.999 *	1.000 *	1.000 *			
12/31/2004	1.010	1.002	1.005								
12/31/2005	1.014	1.012									
12/31/2006	1.018										

3 Yr Mean 1.014 0.996 0.996 0.998 0.998 @ 1.000 @ 1.000 @ 1.001 @

Best 3/5 1.013 0.991 0.997 0.997 0.998 * 0.999 * 1.000 * 1.000 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2015				1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2016			1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2017		1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2018	1.193	1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.255
12/31/2015	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.337
12/31/2016	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.404
12/31/2017	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.533
12/31/2018	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.829

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

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

Allocated Expenses as of:											
A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	1,668,153	3,336,316	6,423,228	11,359,815	14,943,484	18,872,478	22,475,790	25,613,716	28,564,868	30,260,585	30,908,184
12/31/2000	1,766,693	4,118,532	7,955,148	12,936,180	16,843,886	21,472,254	27,802,647	31,797,032	33,570,681	36,189,547	38,084,926
12/31/2001	3,226,880	6,490,590	12,441,692	18,154,439	23,560,982	29,302,373	35,452,222	39,569,142	42,814,608	44,842,276	45,917,075
12/31/2002	2,581,677	6,833,339	13,159,921	18,902,345	23,353,458	26,527,709	29,133,819	31,455,087	34,681,377	36,361,483	37,623,838
12/31/2003	3,980,548	6,843,257	12,896,746	17,537,418	21,971,378	26,148,320	28,055,619	30,760,075	32,857,264	34,779,255	36,359,446
12/31/2004	2,907,478	6,312,396	12,432,312	18,820,466	23,132,519	27,486,354	32,181,841	36,251,739	41,917,825	45,922,525	50,549,761
12/31/2005	2,078,294	6,544,724	12,017,280	18,070,477	23,101,679	29,091,715	32,902,584	36,663,507	41,170,343	44,789,283	47,493,933
12/31/2006	4,056,419	8,910,100	16,372,653	23,646,982	30,533,489	36,573,120	42,719,189	46,378,212	53,034,326	55,954,270	58,905,773
12/31/2007	4,482,298	9,178,174	17,272,566	23,812,316	30,002,254	36,368,263	40,982,320	45,906,718	50,057,115	54,549,809	56,940,320
12/31/2008	5,357,486	12,833,987	21,319,711	31,631,934	40,623,873	46,521,177	50,243,526	53,349,509	57,231,987	59,030,697	61,184,078
12/31/2009	7,511,748	15,425,832	26,729,294	38,180,516	46,834,262	52,887,028	57,319,303	62,568,183	64,898,716	67,818,596	
12/31/2010	6,215,465	14,390,125	25,396,884	36,902,451	43,783,473	49,068,325	52,949,562	54,961,417	57,853,487		
12/31/2011	7,189,460	14,183,919	21,615,590	28,000,327	32,813,918	37,942,294	42,388,604	44,604,807			
12/31/2012	5,535,629	11,817,006	19,276,840	26,806,682	34,990,010	39,116,020	40,961,492				
12/31/2013	4,584,476	11,549,212	17,755,808	26,350,128	32,244,133	35,001,536					
12/31/2014	4,485,014	10,676,701	17,653,654	23,910,588	28,157,111						
12/31/2015	5,242,900	11,061,224	17,938,069	24,272,558							
12/31/2016	5,490,531	12,613,714	21,269,132								
12/31/2017	4,454,932	10,203,609									
12/31/2018	4,383,119										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	32,142,125	33,272,857	33,596,207	33,888,911	34,348,528	34,434,686	34,454,939	34,498,730	34,499,997
12/31/2000	40,170,887	40,271,257	40,171,695	40,453,710	40,838,032	40,920,177	40,795,783	40,806,871	
12/31/2001	46,713,802	47,012,447	47,250,589	47,692,448	48,239,176	48,396,668	48,698,540		
12/31/2002	39,337,746	40,960,608	41,148,157	42,080,692	42,821,429	43,204,983			
12/31/2003	38,081,011	38,665,391	39,588,629	40,338,114	40,531,628				
12/31/2004	55,167,421	57,139,531	58,119,898	58,462,098					
12/31/2005	48,022,351	49,245,719	49,762,119						
12/31/2006	60,346,320	61,700,418							
12/31/2007	58,641,395								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1999	1.009	1.014	1.003	1.001	1.001	1.000	1.000	*	
12/31/2000	1.007	1.010	1.002	0.997	1.000	1.000	1.000	*	
12/31/2001	1.009	1.011	1.003	1.006	1.001	1.000	1.000	*	
12/31/2002	1.023	1.018	1.009	1.002	*	1.001	1.000	*	
12/31/2003	1.019	1.005	1.011	*	1.002	*	1.001	*	
12/31/2004	1.006								
Best 3/5	1.012	1.012	1.005	*	1.002	*	1.001	*	1.000

171 to Ultimate Factor: 1.032

* Calculated Using Modified Bondy Method

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

Increments													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	1,668,163	3,086,912	4,936,587	3,583,669	3,928,994	3,603,312	3,137,926	2,951,152	1,695,717	647,599	1,233,941	1,130,732	323,350
12/31/2000	2,351,839	3,836,616	4,981,032	3,907,706	4,628,368	6,330,393	3,994,385	1,773,649	2,618,866	1,895,379	2,085,961	100,370	-99,562
12/31/2001	3,263,710	5,951,102	5,712,747	5,406,543	5,741,391	6,149,849	4,116,920	3,245,466	2,027,668	1,074,799	796,727	298,645	238,142
12/31/2002	4,251,662	6,326,582	5,742,424	4,451,113	3,174,251	2,606,110	2,321,268	3,226,290	1,680,106	1,262,355	1,713,908	1,622,862	187,549
12/31/2003	2,862,709	6,053,489	4,640,672	4,433,960	4,176,942	1,907,299	2,704,456	2,097,189	1,921,991	1,580,191	1,721,565	584,380	923,238
12/31/2004	3,404,918	6,119,916	6,388,154	4,312,053	4,353,835	4,695,487	4,069,898	5,666,086	4,004,700	4,627,236	4,617,660	1,972,110	980,367
12/31/2005	4,466,430	5,472,556	6,053,197	5,031,202	5,990,036	3,810,869	3,760,923	4,506,836	3,618,940	2,704,650	528,418	1,223,368	516,400
12/31/2006	4,853,681	7,462,553	7,274,329	6,886,507	6,039,631	6,146,069	3,659,023	6,656,114	2,919,944	2,951,503	1,440,547	1,354,098	
12/31/2007	4,695,876	8,094,392	6,539,750	6,189,938	6,366,009	4,614,057	4,924,398	4,150,397	4,492,694	2,390,511	1,701,075		
12/31/2008	7,476,501	8,485,724	10,312,223	8,991,939	5,897,304	3,722,349	3,105,983	3,882,478	1,798,710	2,153,381			
12/31/2009	7,914,084	11,303,462	11,451,222	8,653,746	6,052,766	4,432,275	5,248,880	2,330,533	2,919,880				
12/31/2010	8,174,660	11,006,759	11,505,567	6,881,022	5,284,852	3,881,237	2,011,855	2,892,070					
12/31/2011	6,994,459	7,431,671	6,384,737	4,813,591	5,128,376	4,446,310	2,216,203						
12/31/2012	6,281,377	7,459,834	7,529,842	8,183,328	4,126,010	1,845,472							
12/31/2013	6,964,736	6,206,596	8,594,320	5,894,005	2,757,403								
12/31/2014	6,191,687	6,976,953	6,256,934	4,246,523									
12/31/2015	5,818,324	6,876,845	6,334,489										
12/31/2016	7,123,183	8,655,418											
12/31/2017	5,748,677												

Incremental Percentages													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0287	0.0531	0.0849	0.0616	0.0676	0.0620	0.0540	0.0508	0.0292	0.0111	0.0212	0.0194	0.0056
12/31/2000	0.0319	0.0521	0.0676	0.0530	0.0628	0.0859	0.0542	0.0241	0.0355	0.0257	0.0283	0.0014	-0.0014
12/31/2001	0.0451	0.0822	0.0789	0.0747	0.0793	0.0850	0.0569	0.0448	0.0280	0.0148	0.0110	0.0041	0.0033
12/31/2002	0.0594	0.0884	0.0803	0.0622	0.0444	0.0364	0.0324	0.0451	0.0235	0.0176	0.0240	0.0227	0.0026
12/31/2003	0.0436	0.0922	0.0706	0.0675	0.0636	0.0290	0.0412	0.0319	0.0293	0.0241	0.0262	0.0089	0.0141
12/31/2004	0.0422	0.0758	0.0791	0.0534	0.0539	0.0581	0.0504	0.0701	0.0496	0.0573	0.0572	0.0244	0.0121
12/31/2005	0.0609	0.0746	0.0826	0.0686	0.0817	0.0520	0.0513	0.0615	0.0494	0.0369	0.0072	0.0167	0.0070
12/31/2006	0.0500	0.0768	0.0749	0.0709	0.0622	0.0633	0.0377	0.0685	0.0301	0.0304	0.0148	0.0139	
12/31/2007	0.0460	0.0793	0.0640	0.0606	0.0623	0.0452	0.0482	0.0406	0.0440	0.0234	0.0167		
12/31/2008	0.0644	0.0731	0.0888	0.0774	0.0508	0.0321	0.0267	0.0334	0.0155	0.0185			
12/31/2009	0.0660	0.0942	0.0955	0.0721	0.0505	0.0370	0.0438	0.0194	0.0243				
12/31/2010	0.0722	0.0972	0.1016	0.0608	0.0467	0.0343	0.0178	0.0255					
12/31/2011	0.0677	0.0719	0.0618	0.0466	0.0496	0.0430	0.0214						
12/31/2012	0.0651	0.0773	0.0780	0.0848	0.0428	0.0191							
12/31/2013	0.0763	0.0680	0.0941	0.0646	0.0302								
12/31/2014	0.0707	0.0797	0.0715	0.0485									
12/31/2015	0.0575	0.0679	0.0626										
12/31/2016	0.0739	0.0898											
12/31/2017	0.0612												

Best 3/5	0.0686	0.0750	0.0707	0.0579	0.0463	0.0344	0.0306	0.0332	0.0328	0.0302	0.0192	0.0178	0.0075
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LOCAL PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	5,640,125	7,221,932	8,055,559	8,625,494	8,777,928	8,432,303	8,308,730	8,429,844	8,381,635	8,399,607	8,444,616
12/31/2000	6,241,893	7,846,057	8,878,581	10,028,395	9,114,290	9,074,853	9,040,929	9,098,117	9,015,129	9,029,862	9,013,288
12/31/2001	6,156,159	7,697,139	9,047,316	9,348,983	9,229,080	9,477,420	9,527,338	9,414,451	9,459,412	9,426,291	9,474,711
12/31/2002	6,742,206	7,904,813	9,350,937	10,575,598	10,464,773	10,397,019	10,389,624	10,423,004	10,423,204	10,419,382	10,525,383
12/31/2003	4,685,836	6,556,178	8,907,379	9,498,317	9,914,560	9,824,811	9,608,111	9,501,928	9,510,106	9,595,145	9,476,207
12/31/2004	5,613,023	6,798,347	8,144,858	8,903,857	8,633,061	8,292,971	8,366,133	8,209,619	8,248,611	8,270,040	8,241,575
12/31/2005	6,094,066	6,419,364	7,839,512	7,961,490	7,857,496	7,799,132	7,787,265	7,825,588	7,718,468	7,697,337	7,697,188
12/31/2006	5,468,803	6,585,107	8,165,220	8,060,168	7,846,753	7,673,354	7,486,282	7,495,698	7,557,198	7,557,198	7,557,198
12/31/2007	5,201,096	6,085,661	7,372,132	7,290,050	7,403,475	7,343,964	7,191,507	6,969,119	6,859,510	6,874,507	6,874,507
12/31/2008	5,734,718	7,045,916	7,954,815	7,621,748	7,378,809	7,502,155	7,520,572	7,401,821	7,401,821	7,450,821	7,450,821
12/31/2009	6,515,923	7,293,853	8,861,484	8,980,255	8,885,741	8,877,591	8,805,994	8,829,750	8,833,309	8,833,309	
12/31/2010	7,165,961	8,624,516	10,319,979	10,403,977	10,700,973	10,530,937	10,486,321	10,484,377	10,484,377		
12/31/2011	6,869,010	7,909,904	8,771,702	9,287,381	9,167,732	9,019,138	8,957,329	8,844,656			
12/31/2012	4,808,486	6,082,740	7,123,457	7,430,014	7,478,687	7,439,147	7,378,280				
12/31/2013	5,276,794	6,270,021	7,096,192	7,057,264	6,940,634	6,947,707					
12/31/2014	4,988,998	5,952,292	6,355,184	6,521,458	6,518,864						
12/31/2015	5,224,079	5,537,235	6,263,232	6,755,984							
12/31/2016	3,868,575	5,202,920	6,940,214								
12/31/2017	4,055,265	5,550,470									
12/31/2018	3,982,612										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	8,424,070	8,407,121	8,506,121	8,510,922	8,515,922	8,530,922	8,530,922	8,512,724	8,512,724
12/31/2000	9,109,788	9,035,332	9,071,627	9,108,127	9,097,875	9,078,125	9,203,125	9,173,125	
12/31/2001	9,480,470	9,479,470	9,521,370	9,478,470	9,458,835	9,434,595	9,541,595		
12/31/2002	10,498,445	10,511,444	10,518,974	10,638,973	10,538,974	10,543,975			
12/31/2003	9,465,207	9,455,208	9,455,207	9,465,207	9,458,012				
12/31/2004	8,244,074	8,242,431	8,242,431	8,242,431					
12/31/2005	7,704,612	7,696,145	7,698,145						
12/31/2006	7,557,198	7,557,198							
12/31/2007	6,874,507								

LOCAL PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.280	1.115	1.071	1.018	0.961	0.985	1.015	0.994	1.002	1.005	0.998
12/31/2000	1.257	1.132	1.130	0.909	0.996	0.996	1.006	0.991	1.002	0.998	1.011
12/31/2001	1.250	1.175	1.033	0.987	1.027	1.005	0.988	1.005	0.996	1.005	1.001
12/31/2002	1.172	1.183	1.131	0.990	0.994	0.999	1.003	1.000	1.000	1.010	0.997
12/31/2003	1.399	1.359	1.066	1.044	0.991	0.978	0.989	1.001	1.009	0.988	0.999
12/31/2004	1.211	1.198	1.093	0.970	0.961	1.009	0.981	1.005	1.003	0.997	1.000
12/31/2005	1.053	1.221	1.016	0.987	0.993	0.998	1.005	0.986	0.997	1.000	1.001
12/31/2006	1.204	1.240	0.987	0.974	0.978	0.976	1.001	1.008	1.000	1.000	1.000
12/31/2007	1.170	1.211	0.989	1.016	0.992	0.979	0.969	0.984	1.002	1.000	1.000
12/31/2008	1.229	1.129	0.958	0.968	1.017	1.002	0.984	1.000	1.007	1.000	
12/31/2009	1.119	1.215	1.013	0.989	0.999	0.992	1.003	1.000	1.000		
12/31/2010	1.204	1.197	1.008	1.029	0.984	0.996	1.000	1.000			
12/31/2011	1.152	1.109	1.059	0.987	0.984	0.993	0.987				
12/31/2012	1.265	1.171	1.043	1.007	0.995	0.992					
12/31/2013	1.188	1.132	0.995	0.983	1.001						
12/31/2014	1.193	1.068	1.026	1.000							
12/31/2015	1.060	1.131	1.079								
12/31/2016	1.345	1.334									
12/31/2017	1.369										
3 Yr Mean	1.258	1.178	1.033	0.997	0.993	0.994	0.997	1.000	1.003	1.000	1.000
Best 3/5	1.242	1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.998	1.012	1.001	1.001	1.002	1.000	0.998	1.000			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.014	0.997	1.000 *			
12/31/2001	1.000	1.004	0.995	0.998	0.997	1.011	1.003 *	1.000 *			
12/31/2002	1.001	1.001	1.011	0.991	1.000	0.999 *	1.003 *	1.000 *			
12/31/2003	0.999	1.000	1.001	0.999	0.999 *	0.999 *	1.003 *	1.000 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	0.999	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	1.004	0.996	0.998 @	1.008 @	0.998 @	1.000 @			
Best 3/5	1.000	1.000	1.002	0.999	0.999 *	1.003 *	1.001 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2015				0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2016			1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2017		1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2018	1.242	1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.982
12/31/2015	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.980
12/31/2016	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.022
12/31/2017	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.170
12/31/2018	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.454

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	357,147	246,142	223,437	219,338	221,172	221,172	221,172	221,172	221,172	221,172	221,172
12/31/2000	313,656	527,947	556,053	475,991	500,991	490,335	486,335	487,335	487,335	486,335	521,335
12/31/2001	278,206	352,745	423,834	497,226	463,174	463,174	453,174	453,174	453,174	466,578	466,578
12/31/2002	396,353	425,131	379,361	487,852	474,098	435,359	435,358	435,358	435,358	435,358	435,358
12/31/2003	136,107	223,208	194,856	249,570	167,177	98,892	100,392	75,291	75,291	75,291	75,291
12/31/2004	426,879	386,565	768,260	1,012,432	611,871	613,151	590,752	590,751	590,751	590,751	590,751
12/31/2005	535,698	701,320	1,015,466	911,971	807,001	889,418	889,417	889,467	889,467	890,096	890,096
12/31/2006	402,493	741,418	759,635	666,429	694,212	693,655	693,655	693,655	693,655	693,655	693,655
12/31/2007	355,039	497,801	855,370	821,579	771,410	761,510	761,510	767,510	767,510	767,510	761,510
12/31/2008	525,801	362,912	467,874	427,853	351,603	368,464	367,964	367,964	367,964	367,964	367,964
12/31/2009	266,620	294,750	308,023	241,039	337,719	338,719	338,619	338,630	338,619	338,619	
12/31/2010	428,140	317,606	396,643	284,143	289,473	289,473	289,473	283,473	283,473		
12/31/2011	377,122	632,936	765,902	820,402	827,902	811,503	898,003	898,003			
12/31/2012	330,321	456,809	556,018	580,856	715,382	669,186	669,186				
12/31/2013	324,760	426,869	456,567	606,205	621,994	521,520					
12/31/2014	856,109	1,073,449	956,310	1,139,407	1,089,407						
12/31/2015	602,349	778,768	834,080	1,028,194							
12/31/2016	426,205	566,004	827,794								
12/31/2017	448,173	1,292,407									
12/31/2018	387,906										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	221,172	221,172	247,673	247,673	247,673	247,673	247,673	247,673	248,578
12/31/2000	504,435	504,936	571,270	560,254	566,376	565,418	561,417	542,080	
12/31/2001	466,578	463,774	505,428	505,428	480,116	475,915	559,769		
12/31/2002	435,358	435,358	435,358	427,858	427,858	427,858			
12/31/2003	75,291	75,291	75,291	75,291	81,916				
12/31/2004	590,754	590,751	590,751	590,751					
12/31/2005	890,096	890,096	890,096						
12/31/2006	693,655	693,685							
12/31/2007	761,510								

LOCAL PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	0.689	0.908	0.982	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.683	1.053	0.856	1.053	0.979	0.992	1.002	1.000	0.998	1.072	0.968
12/31/2001	1.268	1.202	1.173	0.932	1.000	0.978	1.000	1.000	1.030	1.000	1.000
12/31/2002	1.073	0.892	1.286	0.972	0.918	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.640	0.873	1.281	0.670	0.592	1.015	0.750	1.000	1.000	1.000	1.000
12/31/2004	0.906	1.987	1.318	0.604	1.002	0.963	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.309	1.448	0.898	0.885	1.102	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	1.842	1.025	0.877	1.042	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.402	1.718	0.960	0.939	0.987	1.000	1.008	1.000	1.000	0.992	1.000
12/31/2008	0.690	1.289	0.914	0.822	1.048	0.999	1.000	1.000	1.000	1.000	
12/31/2009	1.106	1.045	0.783	1.401	1.003	1.000	1.000	1.000	1.000		
12/31/2010	0.742	1.249	0.716	1.019	1.000	1.000	0.979	1.000			
12/31/2011	1.678	1.210	1.071	1.009	0.980	1.107	1.000				
12/31/2012	1.383	1.217	1.045	1.232	0.935	1.000					
12/31/2013	1.314	1.070	1.328	1.026	0.838						
12/31/2014	1.254	0.891	1.191	0.956							
12/31/2015	1.293	1.071	1.233								
12/31/2016	1.328	1.463									
12/31/2017	2.884										
3 Yr Mean	1.835	1.142	1.251	1.071	0.918	1.036	0.993	1.000	1.000	0.997	1.000
Best 3/5	1.312	1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.000	1.120	1.000	1.000	1.000	1.000	1.000	1.004			
12/31/2000	1.001	1.131	0.981	1.011	0.998	0.993	0.966	0.999 *			
12/31/2001	0.994	1.090	1.000	0.950	0.991	1.176	0.999 *	0.999 *			
12/31/2002	1.000	1.000	0.983	1.000	1.000	0.999 *	0.999 *	0.999 *			
12/31/2003	1.000	1.000	1.000	1.088	1.004 *	0.999 *	0.999 *	0.999 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	0.994	1.013	0.996 @	1.056 @	0.983 @	1.004 @			
Best 3/5	1.000	1.000	0.994	1.004	0.999 *	0.999 *	0.999 *	0.999 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015				1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016			1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017		1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018	1.312	1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.962
12/31/2015	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.980
12/31/2016	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.141
12/31/2017	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.277
12/31/2018	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.676

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

Allocated Expenses as of:

<u>A.Y.E</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	778,081	1,683,697	2,225,782	3,069,536	3,437,968	3,442,907	3,541,657	3,934,735	3,931,369	3,968,930	3,979,748
12/31/2000	1,045,243	1,520,295	2,429,255	3,731,523	4,469,662	4,828,234	4,977,128	4,920,617	4,961,264	4,979,456	5,005,127
12/31/2001	934,953	1,971,556	3,436,205	4,320,115	5,433,123	5,931,830	6,835,823	7,087,364	7,340,810	7,177,505	7,333,670
12/31/2002	1,614,509	2,423,104	3,765,270	4,502,974	5,508,908	5,847,872	5,968,163	6,118,858	6,181,039	6,184,554	6,282,700
12/31/2003	739,154	1,535,315	2,390,516	3,072,303	3,908,152	4,276,475	4,454,629	4,432,746	4,441,994	4,477,242	4,551,208
12/31/2004	683,625	1,429,228	2,426,622	3,084,970	3,618,994	3,825,965	3,968,670	4,110,763	4,108,705	4,107,920	4,108,665
12/31/2005	535,061	1,209,728	2,207,724	2,754,521	3,885,922	3,193,301	3,318,523	3,328,446	3,324,675	3,305,488	3,305,518
12/31/2006	652,567	1,564,105	2,661,008	3,729,388	4,330,201	4,747,517	4,855,758	4,812,874	4,846,184	4,841,505	4,841,505
12/31/2007	627,439	1,484,311	2,776,866	3,352,762	3,947,746	4,209,996	4,404,857	4,243,255	4,281,515	4,277,394	4,279,530
12/31/2008	563,620	1,274,355	2,586,309	3,123,872	3,357,018	3,471,156	3,542,133	3,572,329	3,586,603	3,590,643	3,590,643
12/31/2009	585,015	1,497,728	3,302,450	3,339,250	3,961,355	3,918,666	3,929,406	3,943,062	3,941,217	3,951,547	
12/31/2010	917,867	1,834,899	3,240,511	4,548,548	5,658,899	5,851,891	5,786,418	5,793,827	5,816,358		
12/31/2011	717,665	1,345,682	2,434,473	3,596,587	4,155,193	4,485,469	4,636,342	4,649,481			
12/31/2012	573,328	1,514,295	3,204,137	4,066,515	4,481,390	4,839,973	4,930,584				
12/31/2013	919,825	2,006,991	3,279,382	4,322,482	4,947,403	5,416,463					
12/31/2014	750,099	1,411,700	2,243,492	2,705,567	2,943,701						
12/31/2015	539,990	1,048,895	1,792,918	2,558,970							
12/31/2016	457,616	1,166,998	2,266,878								
12/31/2017	484,595	1,390,207									
12/31/2018	634,766										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	4,011,271	4,025,072	4,216,013	4,246,726	4,194,975	4,210,736	4,224,824	4,225,201	4,225,202
12/31/2000	5,404,432	5,169,291	5,239,408	5,292,147	5,354,338	5,377,591	5,420,969	5,465,151	
12/31/2001	7,438,804	7,607,614	7,717,841	7,860,860	8,044,771	8,181,952	8,241,025		
12/31/2002	6,335,393	6,399,152	6,404,975	6,670,033	6,441,505	6,454,006			
12/31/2003	4,531,498	4,531,498	4,529,391	4,579,391	4,571,628				
12/31/2004	4,105,865	4,128,532	4,125,411	4,125,739					
12/31/2005	3,305,518	3,335,965	3,359,026						
12/31/2006	4,841,505	4,841,645							
12/31/2007	4,278,597								

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

	Increments												
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	905,616	542,085	843,754	368,432	4,939	98,750	393,078	-3,366	37,561	10,818	31,523	13,801	190,941
12/31/2000	475,052	908,960	1,302,268	738,139	358,572	148,894	-56,511	40,647	18,192	25,671	399,305	-235,141	70,117
12/31/2001	1,036,603	1,464,649	883,910	1,113,008	498,707	903,993	251,541	253,446	-163,305	156,165	105,134	168,810	110,227
12/31/2002	808,595	1,342,166	737,704	1,005,934	338,964	120,291	150,695	62,181	3,515	98,146	52,693	63,759	5,823
12/31/2003	796,161	855,201	681,787	835,849	368,323	178,154	-21,883	9,248	35,248	73,966	-19,710	0	-2,107
12/31/2004	745,603	997,394	658,348	534,024	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	-3,121
12/31/2005	674,667	997,996	546,797	1,131,401	-692,621	125,222	9,923	-3,771	-19,187	30	0	30,447	23,061
12/31/2006	911,538	1,096,903	1,068,380	600,813	417,316	108,241	-42,884	33,310	-4,679	0	0	140	
12/31/2007	856,872	1,292,555	575,896	594,984	262,250	194,861	-161,602	38,260	-4,121	2,136	-933		
12/31/2008	710,735	1,311,954	537,563	233,146	114,138	70,977	30,196	14,274	4,040	0			
12/31/2009	912,713	1,804,722	36,800	622,105	-42,689	10,740	13,656	-1,845	10,330				
12/31/2010	917,032	1,405,612	1,308,037	1,110,351	192,992	-65,473	7,409	22,531					
12/31/2011	628,017	1,088,791	1,162,114	558,606	330,276	150,873	13,139						
12/31/2012	940,967	1,689,842	862,378	414,875	358,583	90,611							
12/31/2013	1,087,166	1,272,391	1,043,100	624,921	469,060								
12/31/2014	661,601	831,792	462,075	238,134									
12/31/2015	508,905	744,023	766,052										
12/31/2016	709,382	1,099,880											
12/31/2017	905,612												

	Incremental Percentages													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159	
12/31/1999	0.0742	0.0444	0.0692	0.0302	0.0004	0.0081	0.0322	-0.0003	0.0031	0.0009	0.0026	0.0011	0.0157	
12/31/2000	0.0357	0.0684	0.0980	0.0555	0.0270	0.0112	-0.0043	0.0031	0.0014	0.0019	0.0300	-0.0177	0.0053	
12/31/2001	0.0772	0.1090	0.0658	0.0829	0.0371	0.0673	0.0187	0.0189	-0.0122	0.0116	0.0078	0.0126	0.0082	
12/31/2002	0.0470	0.0781	0.0429	0.0585	0.0197	0.0070	0.0088	0.0036	0.0002	0.0057	0.0031	0.0037	0.0003	
12/31/2003	0.0513	0.0551	0.0439	0.0538	0.0237	0.0115	-0.0014	0.0006	0.0023	0.0048	-0.0013	0.0000	-0.0001	
12/31/2004	0.0640	0.0857	0.0566	0.0459	0.0178	0.0123	0.0122	-0.0002	-0.0001	0.0001	-0.0002	0.0019	-0.0003	
12/31/2005	0.0581	0.0859	0.0471	0.0974	-0.0596	0.0108	0.0009	-0.0003	-0.0017	0.0000	0.0000	0.0026	0.0020	
12/31/2006	0.0768	0.0925	0.0901	0.0506	0.0352	0.0091	-0.0036	0.0028	-0.0004	0.0000	0.0000	0.0000		
12/31/2007	0.0666	0.1005	0.0448	0.0463	0.0204	0.0151	-0.0126	0.0030	-0.0003	0.0002	-0.0001			
12/31/2008	0.0554	0.1023	0.0419	0.0182	0.0089	0.0055	0.0024	0.0011	0.0003	0.0000				
12/31/2009	0.0703	0.1390	0.0028	0.0479	-0.0033	0.0008	0.0011	-0.0001	0.0008					
12/31/2010	0.0607	0.0930	0.0866	0.0735	0.0128	-0.0043	0.0005	0.0015						
12/31/2011	0.0439	0.0761	0.0812	0.0390	0.0231	0.0105	0.0009							
12/31/2012	0.0791	0.1421	0.0725	0.0349	0.0302	0.0076								
12/31/2013	0.0976	0.1143	0.0937	0.0561	0.0421									
12/31/2014	0.0682	0.0858	0.0476	0.0246										
12/31/2015	0.0438	0.0640	0.0659											
12/31/2016	0.0525	0.0813												
12/31/2017	0.0620													

Best 3/5	0.0609	0.0938	0.0732	0.0433	0.0220	0.0047	0.0008	0.0018	-0.0001	0.0000	-0.0001	0.0015	0.0007
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LOCAL PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	Link Ratios						
	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1999	1.007	0.988	1.004	1.003	1.000	1.000	1.019 *
12/31/2000	1.010	1.012	1.004	1.008	1.008	1.005 *	1.019 *
12/31/2001	1.019	1.023	1.017	1.007	1.005 *	1.005 *	1.019 *
12/31/2002	1.041	0.966	1.002	1.003 *	1.005 *	1.005 *	1.019 *
12/31/2003	1.011	0.998	0.999 *	1.003 *	1.005 *	1.005 *	1.019 *
12/31/2004	1.000						
Best 3/5	1.013	0.999	1.003 *	1.005 *	1.005 *	1.005 *	1.019 *

171 to Ultimate Factor: 1.050

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.303	0.242	0.148	0.075	0.031	0.009	0.005
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.004	0.002	0.002	0.002	0.002	0.001	0.000

<u>A.Y.E</u>	Reported ALAE <u>as of 3/31/19</u>	\$500,000 <u>Ultimate Indemnity</u>	ALAE <u>Factor</u>	Additional <u>ALAE</u>	ALAE at <u>171 Months</u>	171-Ultimate <u>Factor</u>	Ultimate <u>ALAE</u>
12/31/2016	2,509,692	15,512,724	0.148	2,295,882	4,805,574	1.050	5,045,702
12/31/2017	1,295,863	15,939,944	0.242	3,857,468	5,153,331	1.050	5,410,843
12/31/2018	453,054	9,717,099	0.303	2,944,277	3,397,331	1.050	3,567,056

* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	1,572,065	1,987,939	2,042,232	2,211,684	2,206,231	2,199,548	2,303,744	2,276,465	2,293,317	2,238,872	2,256,844
12/31/2000	2,115,148	2,324,418	2,530,971	2,623,392	2,812,834	3,161,406	3,018,819	3,039,295	3,201,971	3,281,154	3,289,070
12/31/2001	1,627,013	1,654,011	1,972,348	2,039,048	1,900,818	1,952,852	2,119,627	2,292,203	2,299,929	2,337,585	2,345,731
12/31/2002	1,530,717	1,727,573	1,876,362	1,886,504	1,836,568	1,863,842	1,922,590	1,938,029	1,988,648	1,998,770	2,063,155
12/31/2003	1,321,533	1,887,161	2,163,441	2,172,909	2,449,305	2,450,817	2,487,331	2,501,397	2,506,543	2,547,183	2,557,986
12/31/2004	2,137,719	2,399,596	2,432,571	2,373,608	2,438,915	2,430,493	2,374,120	2,402,603	2,423,452	2,431,935	2,426,902
12/31/2005	2,865,381	3,103,309	3,333,662	3,422,623	3,483,267	3,365,079	3,378,435	3,424,923	3,434,293	3,428,003	3,428,281
12/31/2006	3,072,125	3,517,399	3,516,881	3,550,710	3,565,561	3,714,164	3,722,919	3,896,127	3,943,556	4,000,352	4,013,426
12/31/2007	2,844,645	2,853,095	2,933,768	3,269,723	3,545,542	3,514,845	3,597,290	3,574,891	3,567,151	3,540,362	3,549,074
12/31/2008	3,600,421	3,870,935	3,993,658	4,085,032	4,277,221	4,524,770	4,780,726	5,135,464	5,377,606	5,432,551	5,399,596
12/31/2009	3,534,085	3,753,341	3,751,263	3,780,076	3,763,549	3,990,026	3,999,860	4,145,232	4,210,482	4,240,123	
12/31/2010	4,401,926	4,575,257	4,861,935	4,838,710	4,442,350	4,679,912	4,681,113	4,616,073	4,635,092		
12/31/2011	4,091,786	4,327,021	4,618,039	4,544,531	4,651,918	4,844,335	4,801,436	4,878,153			
12/31/2012	3,868,440	4,015,567	3,840,908	3,695,235	3,852,599	3,849,831	3,901,446				
12/31/2013	3,562,555	3,598,755	4,135,664	4,002,305	4,028,293	4,107,933					
12/31/2014	3,323,473	3,533,086	3,456,269	3,653,060	3,622,449						
12/31/2015	4,560,156	4,854,521	5,463,196	5,478,878							
12/31/2016	4,374,337	4,459,644	4,829,183								
12/31/2017	4,261,821	4,407,193									
12/31/2018	4,851,824										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/1999	2,269,121	2,294,943	2,305,226	2,279,715	2,344,614	2,345,815	2,343,314	2,343,314	2,347,988		
12/31/2000	3,295,715	3,288,963	3,292,462	3,285,460	3,285,459	3,283,459	3,283,459	3,283,459			
12/31/2001	2,333,120	2,290,449	2,295,943	2,297,122	2,309,129	2,309,129	2,309,128				
12/31/2002	2,045,051	2,110,693	2,107,568	2,116,168	2,133,461	2,132,211					
12/31/2003	2,598,043	2,580,329	2,566,579	2,589,074	2,589,074						
12/31/2004	2,402,124	2,408,903	2,521,395	2,506,394							
12/31/2005	3,422,181	3,407,940	3,407,940								
12/31/2006	4,065,946	4,050,802									
12/31/2007	3,551,076										

LOCAL PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.265	1.027	1.083	0.998	0.997	1.047	0.988	1.007	0.976	1.008	1.005
12/31/2000	1.099	1.089	1.037	1.072	1.124	0.955	1.007	1.054	1.025	1.002	1.002
12/31/2001	1.017	1.192	1.034	0.932	1.027	1.085	1.081	1.003	1.016	1.003	0.995
12/31/2002	1.129	1.086	1.005	0.974	1.015	1.032	1.008	1.026	1.005	1.032	0.991
12/31/2003	1.428	1.146	1.004	1.127	1.001	1.015	1.006	1.002	1.016	1.004	1.016
12/31/2004	1.123	1.014	0.976	1.028	0.997	0.977	1.012	1.009	1.004	0.998	0.990
12/31/2005	1.083	1.074	1.027	1.018	0.966	1.004	1.014	1.003	0.998	1.000	0.998
12/31/2006	1.145	1.000	1.010	1.004	1.042	1.002	1.047	1.012	1.014	1.003	1.013
12/31/2007	1.003	1.028	1.115	1.084	0.991	1.023	0.994	0.998	0.992	1.002	1.001
12/31/2008	1.075	1.032	1.023	1.047	1.058	1.057	1.074	1.047	1.010	0.994	
12/31/2009	1.062	0.999	1.008	0.996	1.060	1.002	1.036	1.016	1.007		
12/31/2010	1.039	1.063	0.995	0.918	1.053	1.000	0.986	1.004			
12/31/2011	1.057	1.067	0.984	1.024	1.041	0.991	1.016				
12/31/2012	1.038	0.957	0.962	1.043	0.999	1.013					
12/31/2013	1.010	1.149	0.968	1.006	1.020						
12/31/2014	1.063	0.978	1.057	0.992							
12/31/2015	1.065	1.125	1.003								
12/31/2016	1.020	1.083									
12/31/2017	1.034										
3 Yr Mean	1.040	1.062	1.009	1.014	1.020	1.001	1.013	1.022	1.003	1.000	1.004
Best 3/5	1.039	1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.011	1.004	0.989	1.028	1.001	0.999	1.000	1.002			
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000	1.000	1.000 *			
12/31/2001	0.982	1.002	1.001	1.005	1.000	1.000	1.000 *	1.000 *			
12/31/2002	1.032	0.999	1.004	1.008	0.999	1.000 *	1.000 *	1.000 *			
12/31/2003	0.993	0.995	1.009	1.000	1.004 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.003	1.047	0.994								
12/31/2005	0.996	1.000									
12/31/2006	0.996										
3 Yr Mean	0.998	1.014	1.002	1.004	0.999 @	1.000 @	1.000 @	1.002 @			
Best 3/5	0.998	1.000	1.001	1.004	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2015				1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2016			0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2017		1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2018	1.039	1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.083
12/31/2015	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.091
12/31/2016	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.075
12/31/2017	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.141
12/31/2018	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.186

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	120,168	311,306	312,394	277,393	303,006	287,030	267,972	267,474	274,472	267,472	267,472
12/31/2000	150,416	248,134	188,848	196,780	189,280	253,280	237,878	257,878	215,285	215,285	215,285
12/31/2001	208,337	185,152	211,169	225,824	225,824	216,726	265,726	270,726	265,727	267,726	365,726
12/31/2002	119,421	133,880	171,299	184,812	251,892	369,610	483,705	465,706	502,946	539,631	567,026
12/31/2003	298,214	270,546	283,673	398,283	518,855	600,389	644,503	716,619	797,603	987,207	1,083,677
12/31/2004	267,359	144,698	230,234	354,867	441,630	632,353	616,235	904,464	1,008,422	1,087,637	1,296,374
12/31/2005	171,817	242,042	293,021	372,892	413,788	517,693	577,501	578,079	622,969	1,071,187	1,185,450
12/31/2006	278,672	268,892	383,670	529,121	648,904	746,115	720,042	744,136	932,230	1,066,447	970,261
12/31/2007	336,478	539,242	569,442	510,576	480,010	471,031	474,898	571,898	569,048	565,826	565,826
12/31/2008	281,982	200,447	330,593	329,110	331,110	329,110	429,110	429,110	422,611	442,611	513,281
12/31/2009	177,301	176,935	144,535	143,435	143,535	250,348	250,248	350,248	350,248	350,918	
12/31/2010	258,564	260,233	259,733	263,829	357,829	357,829	357,829	357,829	357,829		
12/31/2011	280,389	309,310	282,139	303,639	281,728	291,728	283,728	283,728			
12/31/2012	261,577	237,466	244,631	252,528	238,888	263,888	268,902				
12/31/2013	484,229	529,028	523,333	708,674	689,763	739,763					
12/31/2014	399,307	500,486	493,548	589,554	564,554						
12/31/2015	651,157	644,581	623,070	644,969							
12/31/2016	899,662	1,029,846	1,085,929								
12/31/2017	827,278	1,120,224									
12/31/2018	1,186,664										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	267,472	267,472	267,472	267,472	267,472	267,472	267,472	267,472	267,472
12/31/2000	215,285	215,285	215,285	215,285	215,285	215,285	215,285	215,285	
12/31/2001	365,727	365,726	365,726	365,726	365,726	365,726	365,726		
12/31/2002	566,252	561,006	561,362	567,567	567,567	580,067			
12/31/2003	1,277,496	1,297,868	1,219,478	1,168,621	1,170,312				
12/31/2004	1,288,735	1,183,053	1,176,984	1,176,939					
12/31/2005	1,174,440	1,184,550	1,153,446						
12/31/2006	943,991	917,548							
12/31/2007	565,826								

LOCAL PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	2.591	1.003	0.888	1.092	0.947	0.934	0.998	1.026	0.974	1.000	1.000
12/31/2000	1.650	0.761	1.042	0.962	1.338	0.939	1.084	0.835	1.000	1.000	1.000
12/31/2001	0.889	1.141	1.069	1.000	0.960	1.226	1.019	0.982	1.008	1.366	1.000
12/31/2002	1.121	1.279	1.079	1.363	1.467	1.309	0.963	1.080	1.073	1.051	0.999
12/31/2003	0.907	1.049	1.404	1.303	1.157	1.073	1.112	1.113	1.238	1.098	1.179
12/31/2004	0.541	1.591	1.541	1.244	1.432	0.975	1.468	1.115	1.079	1.192	0.994
12/31/2005	1.409	1.211	1.273	1.110	1.251	1.116	1.001	1.078	1.719	1.107	0.991
12/31/2006	0.965	1.427	1.379	1.226	1.150	0.965	1.033	1.253	1.144	0.910	0.973
12/31/2007	1.603	1.056	0.897	0.940	0.981	1.008	1.204	0.995	0.994	1.000	1.000
12/31/2008	0.711	1.649	0.996	1.006	0.994	1.304	1.000	0.985	1.047	1.160	
12/31/2009	0.998	0.817	0.992	1.001	1.744	1.000	1.400	1.000	1.002		
12/31/2010	1.006	0.998	1.016	1.356	1.000	1.000	1.000	1.000			
12/31/2011	1.103	0.912	1.076	0.928	1.035	0.973	1.000				
12/31/2012	0.908	1.030	1.032	0.946	1.105	1.019					
12/31/2013	1.093	0.989	1.354	0.973	1.072						
12/31/2014	1.253	0.986	1.195	0.958							
12/31/2015	0.990	0.967	1.035								
12/31/2016	1.145	1.054									
12/31/2017	1.354										

3 Yr Mean 1.163 1.002 1.195 0.959 1.071 0.997 1.133 0.995 1.014 1.023 0.988

Best 3/5 1.164 1.002 1.102 0.959 1.071 1.006 1.068 0.998 1.064 1.089 0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2002	0.991	1.001	1.011	1.000	1.022	1.000 *	1.000 *	1.000 *
12/31/2003	1.016	0.940	0.958	1.001	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	0.918	0.995	1.000					
12/31/2005	1.009	0.974						
12/31/2006	0.972							

3 Yr Mean 0.966 0.970 0.990 1.000 1.007 @ 1.000 @ 1.000 @ 1.000 @

Best 3/5 0.991 0.990 1.000 1.000 1.000 * 1.000 * 1.000 * 1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2015				0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2016			1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2017		1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2018	1.164	1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.299
12/31/2015	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.246
12/31/2016	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.373
12/31/2017	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.375
12/31/2018	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.601

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

Allocated Expenses as of:

A.Y.E	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	175,962	337,067	603,218	766,736	829,718	913,941	1,046,577	1,114,788	1,225,802	1,299,160	1,419,449
12/31/2000	296,826	494,491	719,707	875,557	1,098,543	1,354,409	1,774,260	1,993,516	2,167,348	2,467,181	2,637,675
12/31/2001	215,738	308,467	519,028	745,233	889,414	1,124,956	1,569,336	1,900,119	1,850,659	2,030,128	2,144,753
12/31/2002	181,573	336,689	516,639	789,100	849,839	945,579	1,024,135	1,048,926	1,048,930	1,246,269	1,436,592
12/31/2003	62,113	673,928	986,248	1,144,420	1,298,178	1,335,195	1,393,897	1,481,118	1,554,563	1,656,480	1,738,610
12/31/2004	167,304	321,683	486,041	683,212	806,857	976,396	996,498	1,017,912	1,049,334	1,057,515	1,082,518
12/31/2005	253,597	339,712	638,381	830,454	883,207	971,737	1,036,702	1,160,410	1,154,925	1,154,235	1,158,544
12/31/2006	163,787	400,897	684,328	992,786	1,282,472	1,629,231	1,711,002	2,010,531	2,032,986	2,122,926	2,121,410
12/31/2007	417,051	916,386	1,275,876	1,993,790	2,327,394	2,728,898	2,688,954	2,922,085	2,992,037	2,971,434	2,844,669
12/31/2008	432,158	1,008,781	1,482,874	2,545,803	3,513,742	5,724,763	8,226,270	9,650,053	9,635,341	9,039,353	8,541,384
12/31/2009	669,778	1,158,892	1,293,628	1,325,606	1,483,463	1,554,594	1,865,411	2,047,404	2,072,131	2,083,608	
12/31/2010	206,816	417,432	737,016	1,095,412	1,201,636	1,364,842	1,570,725	1,721,918	1,747,732		
12/31/2011	375,297	711,308	1,088,123	1,469,027	1,778,030	1,798,131	1,825,741	1,945,882			
12/31/2012	243,253	514,030	871,633	1,011,844	1,209,336	1,393,816	1,505,186				
12/31/2013	421,368	564,593	819,183	1,037,223	1,260,372	1,453,214					
12/31/2014	209,021	430,370	648,625	835,804	1,031,093						
12/31/2015	421,366	854,828	1,218,105	1,494,217							
12/31/2016	316,772	623,887	951,724								
12/31/2017	434,035	697,477									
12/31/2018	449,211										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	1,537,925	1,607,394	1,767,931	1,890,569	1,907,615	1,908,341	1,908,403	1,908,403	1,908,403
12/31/2000	2,787,050	2,899,751	2,965,261	2,912,071	2,936,607	2,961,607	2,956,072	2,956,268	
12/31/2001	2,273,390	2,360,582	2,388,452	2,478,063	2,704,552	2,704,552	2,704,552		
12/31/2002	1,528,483	1,801,105	1,959,947	1,990,934	1,990,659	1,990,659			
12/31/2003	1,763,964	1,818,157	1,841,439	1,885,380	1,885,380				
12/31/2004	1,077,537	1,084,479	1,114,207	1,114,207					
12/31/2005	1,335,545	1,211,377	1,222,969						
12/31/2006	2,220,899	2,259,651							
12/31/2007	2,845,553								

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

	Increments												
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	161,105	266,151	163,518	62,982	84,223	132,636	68,211	111,014	73,358	120,289	118,476	69,469	160,537
12/31/2000	197,665	225,216	155,850	222,986	255,866	419,851	219,256	173,832	299,833	170,494	149,375	112,701	65,510
12/31/2001	92,729	210,561	226,205	144,181	235,542	444,380	330,783	-49,460	179,469	114,625	128,637	87,192	27,870
12/31/2002	155,116	179,950	272,461	60,739	95,740	78,556	24,791	4	197,339	190,323	91,891	272,622	158,842
12/31/2003	611,815	312,320	158,172	153,758	37,017	58,702	87,221	73,445	101,917	82,130	25,354	54,193	23,282
12/31/2004	154,379	164,358	197,171	123,645	169,539	20,102	21,414	31,422	8,181	25,003	-4,981	6,942	29,728
12/31/2005	86,115	298,669	192,073	52,753	88,530	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	11,592
12/31/2006	237,110	283,431	308,458	289,686	346,759	81,771	299,529	22,455	89,940	-1,516	99,489	38,752	
12/31/2007	499,335	359,490	717,914	333,604	401,504	-39,944	233,131	69,952	-20,603	-126,765	884		
12/31/2008	576,623	474,093	1,062,929	967,939	2,211,021	2,501,507	1,423,783	-14,712	-595,988	-497,969			
12/31/2009	489,114	134,736	31,978	157,857	71,131	310,817	181,993	24,727	11,477				
12/31/2010	210,616	319,584	358,396	106,224	163,206	205,883	151,193	25,814					
12/31/2011	336,011	376,815	380,904	309,003	20,101	27,610	120,141						
12/31/2012	270,777	357,603	140,211	197,492	184,480	111,370							
12/31/2013	143,225	254,590	218,040	223,149	192,842								
12/31/2014	221,349	218,255	187,179	195,289									
12/31/2015	433,462	363,277	276,112										
12/31/2016	307,115	327,837											
12/31/2017	263,442												

	Incremental Percentages												
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.0569	0.0939	0.0577	0.0222	0.0297	0.0468	0.0241	0.0392	0.0259	0.0425	0.0418	0.0245	0.0567
12/31/2000	0.0470	0.0535	0.0370	0.0530	0.0608	0.0998	0.0521	0.0413	0.0713	0.0405	0.0355	0.0268	0.0156
12/31/2001	0.0296	0.0672	0.0722	0.0460	0.0751	0.1417	0.1055	-0.0158	0.0572	0.0366	0.0410	0.0278	0.0089
12/31/2002	0.0727	0.0844	0.1278	0.0285	0.0449	0.0368	0.0116	0.0000	0.0925	0.0892	0.0431	0.1278	0.0745
12/31/2003	0.2233	0.1140	0.0577	0.0561	0.0135	0.0214	0.0318	0.0268	0.0372	0.0300	0.0093	0.0198	0.0085
12/31/2004	0.0542	0.0577	0.0692	0.0434	0.0595	0.0071	0.0075	0.0110	0.0029	0.0088	-0.0017	0.0024	0.0104
12/31/2005	0.0220	0.0762	0.0490	0.0135	0.0226	0.0166	0.0316	-0.0014	-0.0002	0.0011	0.0452	-0.0317	0.0030
12/31/2006	0.0496	0.0593	0.0646	0.0606	0.0726	0.0171	0.0627	0.0047	0.0188	-0.0003	0.0208	0.0081	
12/31/2007	0.1070	0.0770	0.1539	0.0715	0.0861	-0.0086	0.0500	0.0150	-0.0044	-0.0272	0.0002		
12/31/2008	0.0943	0.0775	0.1738	0.1583	0.3616	0.4091	0.2328	-0.0024	-0.0975	-0.0814			
12/31/2009	0.1092	0.0301	0.0071	0.0353	0.0159	0.0694	0.0406	0.0055	0.0026				
12/31/2010	0.0418	0.0634	0.0711	0.0211	0.0324	0.0409	0.0300	0.0051					
12/31/2011	0.0582	0.0652	0.0660	0.0535	0.0035	0.0048	0.0208						
12/31/2012	0.0602	0.0795	0.0312	0.0439	0.0410	0.0248							
12/31/2013	0.0325	0.0577	0.0494	0.0506	0.0437								
12/31/2014	0.0447	0.0441	0.0378	0.0394									
12/31/2015	0.0606	0.0508	0.0386										
12/31/2016	0.0556	0.0593											
12/31/2017	0.0425												

Best 3/5	0.0476	0.0559	0.0419	0.0447	0.0298	0.0450	0.0402	0.0051	-0.0007	-0.0088	0.0101	0.0101	0.0093
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LOCAL PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	Link Ratios <u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1999	1.069	1.009	1.000	1.000	1.000	1.000	1.000 *
12/31/2000	0.982	1.008	1.009	0.998	1.000	1.000 *	1.000 *
12/31/2001	1.038	1.091	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2002	1.016	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.024	1.000	1.003 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000						
Best 3/5	1.013	1.006	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.020

	Cumulative Incremental Factors						
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.330	0.283	0.227	0.185	0.140	0.110	0.065
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.025	0.020	0.021	0.029	0.019	0.009	0.000

<u>A.Y.E</u>	Reported ALAE <u>as of 3/31/19</u>	\$500,000 <u>Ultimate Indemnity</u>	ALAE <u>Factor</u>	Additional <u>ALAE</u>	ALAE at <u>171 Months</u>	171-Ultimate <u>Factor</u>	Ultimate <u>ALAE</u>
12/31/2016	1,038,405	6,508,581	0.227	1,477,453	2,515,858	1.020	2,566,027
12/31/2017	751,342	6,878,888	0.283	1,946,730	2,698,072	1.020	2,751,903
12/31/2018	468,262	6,885,795	0.330	2,272,314	2,740,576	1.020	2,795,243

* Calculated Using Modified Bondy Method

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

<u>Item *</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2013 - 2017 Mean</u>
1. Direct Losses Incurred	\$19,650,392	\$20,723,228	\$25,486,854	\$26,406,385	\$23,400,844	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,575,153	\$5,301,984	\$6,171,818	\$5,132,541	\$6,233,925	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,296,595	\$2,476,228	\$2,580,924	\$2,694,622	\$2,384,924	
4. Incurred Losses + ALAE [(1) + (2)]	\$25,225,545	\$26,025,212	\$31,658,672	\$31,538,926	\$29,634,769	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.1%	9.5%	8.2%	8.5%	8.0%	8.7%
6. Selected	8.5%					

Notes: All dollar amounts are displayed in thousands.

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

LOCAL PRODUCTS / COMPLETED OPERATIONS TREND SUMMARY

(1) <u>EXPOSURE TREND</u>	<u>LOCAL PRODUCTS</u>	<u>COMPLETED OPERATIONS</u>	<u>LOCAL PRODUCTS / COMPLETED OPERATIONS COMBINED</u>
Average Annual Percent Change			
a) 7/1/2016 to 7/1/2021 AYE 12/31/2016	+ 1.3%	+ 2.7%	+ 2.6%
b) 7/1/2017 to 7/1/2021 AYE 12/31/2017	+ 1.4%	+ 2.6%	+ 2.5%
c) 7/1/2018 to 7/1/2021 AYE 12/31/2018	+ 1.3%	+ 2.2%	+ 2.1%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 5.7%	+ 3.5%	
Eight Years	+ 6.7%	+ 5.4%	
Six Years	+ 9.2%	+ 4.3%	
b) Selected	+ 4.0%	+ 4.5%	
(3) <u>FREQUENCY TREND</u>			
Selected	- 0.5%		

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

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

(1) YEAR ENDING QUARTER*				(2) LOCAL PRODUCTS CLASS GROUP SALES EXPOSURE INDICES				(3) COMPLETED OPERATIONS CLASS GROUP PAYROLL EXPOSURE INDICES				(1) YEAR ENDING QUARTER*				(2) LOCAL PRODUCTS CLASS GROUP SALES EXPOSURE INDICES				(3) COMPLETED OPERATIONS CLASS GROUP PAYROLL EXPOSURE INDICES			
2008	1			0.962				21.143				2015	1			1.024				24.773			
	2			0.958				21.357					2			1.026				24.921			
	3			0.956				21.604					3			1.028				25.023			
	4			0.957				21.880					4			1.030				25.178			
2009	1			0.961				22.128				2016	1			1.030				25.318			
	2			0.966				22.349					2			1.031				25.487			
	3			0.969				22.502					3			1.030				25.730			
	4			0.968				22.653					4			1.030				25.941			
2010	1			0.964				22.806				2017	1			1.033				26.147			
	2			0.962				22.928					2			1.034				26.313			
	3			0.962				23.080					3			1.037				26.511			
	4			0.965				23.208					4			1.040				26.704			
2011	1			0.968				23.312				2018	1			1.043				26.943			
	2			0.973				23.427					2			1.048				27.193			
	3			0.978				23.556					3			1.052				27.435			
	4			0.982				23.638					4			1.056				27.712			
2012	1			0.986				23.715				2019	1			1.059				27.933			
	2			0.990				23.794					2			1.062				28.157			
	3			0.995				23.873					3P			1.064				28.325			
	4			1.000				23.965					4P			1.067				28.475			
2013	1			1.004				24.062				2020	1P			1.071				28.653			
	2			1.006				24.140					2P			1.074				28.821			
	3			1.008				24.167					3P			1.076				29.007			
	4			1.010				24.208					4P			1.079				29.168			
2014	1			1.012				24.299				2021	1P			1.082				29.303			
	2			1.016				24.405					2P			1.087				29.417			
	3			1.019				24.538					3P			1.093				29.521			
	4			1.022				24.663					4P			1.099				29.627			
CHANGE IN EXPOSURES				LOCAL PRODUCTS				COMPLETED OPERATIONS															
7/1/2016 to 7/1/2021				(2021:4/2016:4)				1.067				1.142											
7/1/2017 to 7/1/2021				(2021:4/2017:4)				1.057				1.109											
7/1/2018 to 7/1/2021				(2021:4/2018:4)				1.041				1.069											
AVERAGE ANNUAL TREND FACTOR																							
7/1/2016 to 7/1/2021				(5.0 YRS)				1.013				1.027											
7/1/2017 to 7/1/2021				(4.0 YRS)				1.014				1.026											
7/1/2018 to 7/1/2021				(3.0 YRS)				1.013				1.022											

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

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OCCURRENCE SEVERITY TREND

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

Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)	10 Year	8 Year	6 Year
12/31/2009	\$35,775,810	1,479	\$24,189		\$24,191		
12/31/2010	44,999,023	1,604	28,054		25,560		
12/31/2011	40,432,132	1,479	27,337		27,007	\$25,780	
12/31/2012	40,816,210	1,424	28,663		28,536	27,512	
12/31/2013	42,848,649	1,487	28,816		30,151	29,360	\$27,244
12/31/2014	35,063,622	1,278	27,436		31,857	31,333	29,759
12/31/2015	36,960,783	1,120	33,001		33,660	33,438	32,506
12/31/2016	33,354,717	938	35,559		35,566	35,684	35,507
12/31/2017	35,206,034	911	38,645		37,579	38,081	38,785
12/31/2018	36,539,341	852	42,887		39,706	40,640	42,366

Goodness of Fit Statistic, R-Squared: 0.861 0.871 0.931

Average Annual Severity Trend (10 yr) + 5.7%

Average Annual Severity Trend (8 yr) + 6.7%

Average Annual Severity Trend (6 yr) + 9.2%

Selected Annual Severity Trend + 4.0%

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

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

(See Section B - Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND

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

Property Damage

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2009	\$171,599,073	5,363	\$31,997	\$27,870		
12/31/2010	162,088,894	5,596	28,965	28,832		
12/31/2011	143,780,168	5,451	26,377	29,827	\$27,455	
12/31/2012	138,274,454	4,775	28,958	30,856	28,935	
12/31/2013	125,890,106	4,034	31,207	31,922	30,495	\$31,484
12/31/2014	120,542,044	3,736	32,265	33,023	32,140	32,847
12/31/2015	130,180,780	3,786	34,385	34,163	33,873	34,268
12/31/2016	140,771,027	3,764	37,399	35,343	35,699	35,752
12/31/2017	136,155,412	3,595	37,874	36,563	37,624	37,299
12/31/2018	135,142,338	3,604	37,498	37,825	39,652	38,914
Goodness of Fit Statistic, R-Squared:				0.684	0.938	0.886
Average Annual Severity Trend (10 yr)				+ 3.5%		
Average Annual Severity Trend (8 yr)				+ 5.4%		
Average Annual Severity Trend (6 yr)				+ 4.3%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B - Explanation of Trend Calculation).

LOCAL PRODUCTS/COMPLETED OPERATIONS

FREQUENCY TREND
MULTISTATE

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

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency <u>(3)/(2)²</u>
12/31/2005	\$ 263,801,627	7,217	27.36
12/31/2006	281,792,381	7,723	27.41
12/31/2007	281,008,214	7,678	27.32
12/31/2008	272,513,895	8,121	29.80
12/31/2009	260,718,485	8,145	31.24
12/31/2010	250,758,243	8,695	34.67
12/31/2011	252,148,652	8,334	33.05
12/31/2012	253,424,520	7,887	31.12
12/31/2013	255,938,198	7,534	29.44
12/31/2014	261,472,662	6,893	26.36
12/31/2015	270,738,295	6,705	24.77
12/31/2016	285,133,839	6,714	23.55
12/31/2017	297,471,141	6,484	21.80
12/31/2018	297,800,338	6,284	21.10

Selected Annual Frequency Trend: - 0.5%

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

The following are definitions of the columns for the Local Products/Completed Operations calculation of proposed loss costs shown on pages G-55-61.

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

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

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

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

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

K = The number of classes within the class group.

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

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

\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 1.001 results from capping.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 01

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .962 * 1.071

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
10100	157917	774471	1.17579	.2300	1.019	1.028	1.059	5.3	.057	.060
10145	61600	500092	.47670	.1844	.881	.889	.916	-8.3	.012	.011
10146	22723	219608	.66430	.1318	.932	.940	.968	-4.5	.022	.021
10352	21522	187649	.56488	.1254	.922	.930	.958	-4.2	.048	.046
11039	463612	1894712	1.01083	.3731	.987	.996	1.026	2.2	.093	.095
11258	19152	76535	.28633	.1023	.902	.910	.938	-6.0	.233	.219
11259	85	1946	.00000	.0861	.889	.897	.924	-7.8	.154	.142
11288	90714	399130	1.02393	.1662	.981	.990	1.020	1.9	.104	.106
12374	359590	1270323	.96405	.3007	.970	.979	1.009	1.2	.086	.087
12375	126631	730033	.94854	.2230	.967	.976	1.006	0.0	.040	.040
13673	222082	1866841	1.31816	.3702	1.101	1.111	1.145	16.7	.012	.014
13720	28990	155407	.69409	.1188	.940	.949	.978	-2.7	.075	.073
14401	32690	203258	1.05620	.1286	.983	.992	1.022	2.4	.082	.084
15224	110422	541079	.77036	.1916	.934	.942	.971	-2.3	.086	.084
16900	400982	2391558	1.15246	.4208	1.048	1.058	1.090	9.2	.076	.083
16901	1728619	9537789	.99972	.7236	.992	1.001	1.031	3.3	.120	.124
16902	158346	656913	.70771	.2111	.917	.925	.953	-4.3	.092	.088
16905								9.2	.076	.083
16906								3.3	.120	.124
16910	2592935	13468032	.98015	.7853	.979	.988	1.018	1.5	.065	.066
16911	200599	924899	1.06455	.2529	.996	1.005	1.035	3.0	.067	.069
16915	79888	435929	.93164	.1729	.966	.975	1.005	0.0	.057	.057
16916	1006612	4535079	.97706	.5641	.975	.984	1.014	1.5	.066	.067
16920	12635	57440	1.50825	.0982	1.025	1.034	1.065	6.3	.128	.136
16921	1769	5619	.00000	.0870	.888	.896	.923	-7.0	.057	.053
16930	64495	265682	2.20961	.1409	1.147	1.157	1.192	19.0	.142	.169
16931	24242	117614	2.60764	.1110	1.154	1.164	1.199	19.3	.057	.068
16940	1208	3695	.00000	.0865	.889	.897	.924	-7.0	.057	.053
16941	20511	78818	.50743	.1028	.925	.933	.961	-3.4	.088	.085
18435	277920	1318946	1.30521	.3069	1.075	1.085	1.118	11.6	.069	.077
18436	17572	86568	.00000	.1045	.871	.879	.906	-9.2	.152	.138
18501	257703	2013754	.82240	.3852	.915	.923	.951	-9.1	.011	.010
45900	76203	442989	.00137	.1742	.803	.810	.835	-16.7	.066	.055
49617	302752	1953205	1.28716	.3791	1.092	1.102	1.135	13.9	.115	.131
57001	17854	122492	3.02804	.1120	1.203	1.214	1.251	23.8	.021	.026

X-TILDE: 1.013 X-TILDE (MONOLINE): .991 PI-TILDE: .0049215
 TAU SQUARED: .03000 SIGMA SQUARED: 123994.13042

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 * 1.036 * 1.071

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
10026	6861	38306	.00000	.0662	.969	.868	.963	-4.3	.023	.022
10042	982568	6252650	1.18286	.6222	1.128	1.011	1.122	11.5	.260	.290
10060	2071	15392	.00000	.0611	.974	.873	.969	-4.0	.050	.048
10065	17229	122498	1.53917	.0845	1.080	.968	1.074	6.3	.032	.034
10066	3469	15224	.00000	.0611	.974	.873	.969	-3.2	.062	.060
10071	492049	2928048	1.11733	.4456	1.073	.961	1.066	6.7	.090	.096
10073	8605852	44260768	1.14469	.9186	1.136	1.018	1.130	11.9	.420	.470
10075	840	7389	.73853	.0594	1.020	.914	1.014	1.3	.150	.152
10107	52745	290791	2.33143	.1189	1.192	1.068	1.185	18.5	.270	.320
10115	58996	338842	.69324	.1283	.994	.891	.989	-1.3	.079	.078
10309	16334	172700	.15283	.0950	.954	.855	.949	-5.0	.020	.019
11020	5242	42211	.76440	.0671	1.019	.913	1.013	1.5	.134	.136
11127	83761	462291	.96263	.1514	1.026	.919	1.020	0.0	.008	.008
11128	32365	190110	1.12433	.0986	1.046	.937	1.040	4.8	.063	.066
11204	8682	57555	.04071	.0705	.967	.866	.961	-4.0	1.240	1.190
11234	21924	150820	.26119	.0905	.967	.866	.961	-4.2	.048	.046
12014	22230	166891	.12117	.0938	.952	.853	.946	-5.3	.038	.036
12356	7437	48659	1.06367	.0685	1.039	.931	1.033	3.4	.029	.030
12510	6966	37615	.00000	.0661	.969	.868	.963	-3.8	.026	.025
12805	487905	4820516	1.05941	.5621	1.050	.941	1.044	4.4	.068	.071
13351	616152	4172226	1.38276	.5281	1.220	1.093	1.213	21.1	.038	.046
13352	4703	19645	.00000	.0621	.973	.872	.968	-2.6	.038	.037
13506	65100	466633	.63045	.1522	.976	.875	.971	-2.0	.049	.048
13507	30853	269314	.00793	.1147	.920	.824	.914	-8.6	.105	.096
13716	470023	3540419	.89084	.4895	.966	.866	.961	-3.4	.087	.084
13759	19784	143407	.01390	.0889	.947	.849	.942	-5.9	.136	.128
14101	12340	79939	1.65990	.0754	1.085	.972	1.078	8.5	.047	.051
14279	83749	562145	1.02016	.1693	1.035	.927	1.029	2.0	.049	.050
14913	65923	327636	1.54113	.1261	1.101	.987	1.095	9.8	.143	.157
15538	13673	117866	.05780	.0835	.956	.857	.951	-5.0	.020	.019
15600	5413	40548	.44947	.0667	.998	.894	.992	-1.1	.092	.091
15608	846	4796	.00000	.0588	.977	.875	.971	0.0	.010	.010
15839	25745	182388	.82197	.0970	1.017	.911	1.011	0.0	.024	.024
15991	28620	218018	.63176	.1043	.995	.892	.990	-1.7	.060	.059
15993	3475	34299	.44369	.0654	.999	.895	.993	0.0	.034	.034
16403	67427	388150	2.73395	.1377	1.271	1.139	1.264	26.1	.134	.169
16676	1155	6153	.00000	.0591	.976	.875	.971	0.0	.014	.014

X-TILDE: 1.126 X-TILDE (MONOLINE): 1.116 PI-TILDE: .0025700
 TAU SQUARED: .03774 SIGMA SQUARED: 157952.28999

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 * 1.036 * 1.071

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
18078	84699	667452	.05936	.1873	.854	.765	.849	-15.2	.158	.134
18109	437	2288	.00000	.0582	.977	.875	.971	-3.2	.031	.030
18110	31362	293869	1.40770	.1195	1.082	.970	1.076	7.7	.026	.028
18206	362302	2495029	1.31202	.4096	1.150	1.030	1.143	13.9	.101	.115
18335	6740	53107	.11904	.0695	.974	.873	.969	0.0	.015	.015
18506	24	287	.00000	.0578	.978	.876	.972	0.0	.006	.006
18507	1034	8660	.00000	.0596	.976	.875	.971	0.0	.007	.007
18708	8178	47063	11.62395	.0682	1.760	1.577	1.750	30.8	.013	.017
18834	5909	35746	.00000	.0657	.970	.869	.964	-3.6	.111	.107
18911	4501	33188	.39698	.0651	.996	.892	.990	0.0	.019	.019
18912	1245	6218	1.13493	.0591	1.043	.935	1.037	3.1	.032	.033
18920	376	6327	.34835	.0591	.997	.893	.991	0.0	.019	.019
45819	641997	3166546	1.00577	.4636	1.023	.917	1.017	1.4	.072	.073
49618	345	1908	3.41195	.0581	1.176	1.054	1.169	17.1	.041	.048
49619	131190	1047059	1.14302	.2463	1.064	.953	1.057	5.7	.070	.074

U

X-TILDE: 1.126 X-TILDE (MONOLINE): 1.116 PI-TILDE: .0025700
 TAU SQUARED: .03774 SIGMA SQUARED: 157952.28999

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 11

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.022 * 1.071

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
92053	0	0	.00000	.0000	.965	1.000	1.095	9.4	.530	.580	
92054	0	15	.00000	.1250	.845	.845	.925	-7.3	.233	.216	
92055	234	2730	.00000	.1254	.844	.844	.924	-7.4	.242	.224	
95124	759815	3815826	1.32220	.4431	1.123	1.123	1.229	23.0	.870	1.070	
98303	64821	377625	.26154	.1718	.844	.844	.924	-7.5	5.170	4.780	
98304	2443356	11756467	.94094	.6829	.949	.949	1.039	3.9	3.300	3.430	
98305	1973675	12348222	1.15736	.6928	1.098	1.098	1.202	20.4	1.130	1.360	
98306	9268	64176	.74615	.1333	.936	.936	1.025	2.7	.740	.760	
98307	2064	9782	.20272	.1263	.869	.869	.951	-4.4	.450	.430	
98308	344856	2140055	1.74376	.3373	1.228	1.228	1.344	31.0	.710	.930	U
98309	32735	124033	.06074	.1409	.838	.838	.917	-8.4	2.250	2.060	
98344	51187	260416	1.65373	.1578	1.074	1.074	1.176	17.2	.640	.750	
98449	1702198	10725835	1.05008	.6641	1.022	1.022	1.119	12.0	16.700	18.700	
98805	192789	998890	1.25967	.2388	1.036	1.036	1.134	13.1	1.070	1.210	
98813	388746	2233846	.41257	.3442	.775	.775	.848	-15.0	1.800	1.530	
98967	837214	5766208	1.51366	.5303	1.256	1.256	1.375	31.9	5.080	6.700	U
99003	36629	202977	1.01687	.1508	.973	.973	1.065	6.4	1.100	1.170	
99826	24391	142430	1.74309	.1433	1.077	1.077	1.179	17.0	.470	.550	
99827	84932	461964	.44120	.1816	.870	.870	.952	-5.1	.590	.560	
99948	2274500	12474907	.88216	.6948	.908	.908	.994	-0.5	20.200	20.100	
99952	385958	1860922	.84545	.3156	.927	.927	1.015	1.4	13.800	14.000	
99953	145044	962036	1.32547	.2351	1.050	1.050	1.149	14.9	7.270	8.350	
99954	224274	914678	.58573	.2304	.878	.878	.961	-4.3	11.600	11.100	
99955	596161	4067672	.56243	.4561	.781	.781	.855	-14.5	5.880	5.030	

X-TILDE: 1.032 X-TILDE (MONOLINE): 1.000 PI-TILDE: .0073543
 TAU SQUARED: .03000 SIGMA SQUARED: 200460.41944

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 12

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.002 * 1.071

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
91111	2343258	10774226	.86842	.5048	.926	.944	1.013	1.2	7.250	7.340
91150	897550	4732613	1.05764	.3238	1.008	1.028	1.103	10.3	4.780	5.270
91155	4520701	19800294	1.11654	.6462	1.070	1.091	1.171	17.2	30.900	36.200
91340	19232414	103289217	.90860	.9029	.916	.934	1.002	0.1	7.320	7.330
91341	7784236	42094882	1.07183	.7926	1.054	1.074	1.153	15.4	3.510	4.050
91342	8448321	50489535	.88407	.8205	.902	.919	.986	-1.5	2.670	2.630
91343	377455	1843754	1.25686	.1807	1.033	1.053	1.130	12.9	1.470	1.660
91436	172509	1234555	.97784	.1424	.983	1.002	1.075	7.4	1.620	1.740
91507	29684	204922	.02894	.0688	.918	.936	1.004	0.4	2.610	2.620
91551	684679	3749146	1.22863	.2811	1.053	1.073	1.151	15.8	.570	.660
91555	116553	706118	.52487	.1061	.935	.953	1.023	2.1	.960	.980
91560	11393529	61106213	.86051	.8467	.879	.896	.962	-3.8	3.710	3.570
91577	1408885	7444226	1.19402	.4191	1.072	1.093	1.173	17.2	2.270	2.660
91746	2905352	13335111	1.07813	.5552	1.036	1.056	1.133	13.4	4.940	5.600
92101	522598	2898148	1.22736	.2394	1.042	1.062	1.140	14.2	2.330	2.660
92102	354586	2448818	1.65172	.2154	1.128	1.150	1.234	23.2	2.280	2.810
92215	7748658	42430069	.90991	.7939	.925	.943	1.012	1.1	2.690	2.720
92338	3555481	18329715	1.21965	.6290	1.132	1.154	1.238	23.6	1.480	1.830
92446	387010	1409673	.39010	.1537	.893	.910	.977	-2.0	1.470	1.440
92447	33533	236978	.94114	.0713	.981	1.000	1.073	7.4	1.080	1.160
92451	2409507	12602609	1.01004	.5419	.998	1.017	1.091	9.2	2.070	2.260
92478	12870449	79965152	.88722	.8782	.899	.916	.983	-1.4	1.410	1.390
94007	8709568	40760092	.95904	.7873	.964	.983	1.055	5.5	4.510	4.760
94276	1575035	7982799	.89611	.4349	.946	.964	1.035	3.5	4.540	4.700
94569	1968619	12304201	1.11049	.5362	1.052	1.072	1.150	14.8	2.830	3.250
95410	5765551	32029820	.87527	.7449	.903	.920	.987	-1.2	2.530	2.500
95455	255222	2390151	.18140	.2122	.814	.830	.891	-11.1	1.350	1.200
95505	67775	436536	1.62702	.0864	1.039	1.059	1.136	13.6	1.840	2.090
95625	1109185	5700774	1.21329	.3612	1.067	1.088	1.168	16.8	2.730	3.190
95647	25388100	123948207	1.06651	.9176	1.060	1.081	1.160	16.1	5.480	6.360
96053	371197	2200468	1.04293	.2015	.996	1.015	1.089	8.8	3.170	3.450
96410	1292001	7249282	.96228	.4131	.975	.994	1.067	6.6	7.080	7.550
96611	251190	1300496	.45310	.1467	.906	.924	.992	-0.7	1.350	1.340
97447	5913236	31636526	1.15694	.7426	1.112	1.134	1.217	21.6	3.700	4.500
97650	363288	1809657	.94485	.1786	.977	.996	1.069	6.9	3.320	3.550
97651	285243	1427407	.74983	.1549	.948	.966	1.037	3.7	3.250	3.370
97652	33087	225743	.86747	.0704	.976	.995	1.068	6.9	3.190	3.410

X-TILDE: .975 X-TILDE (MONOLINE): .981 PI-TILDE: .0033058
 TAU SQUARED: .03000 SIGMA SQUARED: 354013.52790

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 12

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.002 * 1.071

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
97653	634060	3366738	1.09313	.2629	1.013	1.033	1.109	11.0	2.180	2.420
97654	64994	375525	.64035	.0818	.956	.975	1.046	4.5	2.420	2.530
97655	1078587	6479959	1.02993	.3885	1.002	1.021	1.096	9.7	3.290	3.610
98002	10897	96607	.00000	.0603	.925	.943	1.012	1.1	.890	.900
98482	13413031	101263444	.97920	.9011	.980	.999	1.072	7.3	4.100	4.400
98483	18575239	123451536	1.01807	.9173	1.015	1.035	1.111	11.4	12.300	13.700
98502	351669	1585643	.96551	.1649	.981	1.000	1.073	7.2	3.620	3.880
98636	1882361	9226623	.73396	.4683	.867	.884	.949	-5.1	3.560	3.380
98677	3600968	20516342	.92725	.6541	.947	.965	1.036	3.6	8.100	8.390
98678	2591740	12324789	1.07684	.5366	1.034	1.054	1.131	12.7	11.800	13.300
98806	508836	3089973	1.05332	.2492	1.001	1.020	1.095	9.6	2.800	3.070
98820	2592234	15591669	.90203	.5919	.935	.953	1.023	2.3	2.660	2.720
98884	1370126	9583005	1.27185	.4772	1.121	1.143	1.227	23.1	1.170	1.440
99004	32542	157342	.08413	.0651	.925	.943	1.012	1.3	1.540	1.560
99080	1073699	5382826	.56306	.3494	.837	.853	.915	-8.6	7.360	6.730
99315	618493	4929952	1.56833	.3318	1.178	1.201	1.289	28.7	1.010	1.300
99321	1783041	10768902	.82490	.5047	.904	.922	.989	-1.0	1.950	1.930
99613	903806	5893215	.85499	.3682	.936	.954	1.024	2.5	1.630	1.670
99650	424815	2543797	1.11253	.2206	1.012	1.032	1.107	10.5	.860	.950
99746	2854065	15074871	1.00764	.5840	.998	1.017	1.091	9.3	2.700	2.950

X-TILDE: .975 X-TILDE (MONOLINE): .981 PI-TILDE: .0033058
 TAU SQUARED: .03000 SIGMA SQUARED: 354013.52790

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 13

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .951 * 1.071

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
91125	33077	139666	.07270	.1487	.731	.849	.865	-13.2	1.360	1.180	
91127	662184	4758439	.73955	.6211	.780	.906	.923	-8.0	1.000	.920	
91235	356517	3038764	.95435	.5225	.903	1.049	1.068	6.8	1.910	2.040	
91265	17761	109705	.00763	.1418	.728	.846	.862	-13.7	2.050	1.770	
91266	125053	815340	1.54571	.2801	1.042	1.210	1.232	23.7	.590	.730	
91280	5432	54746	2.58231	.1288	1.070	1.243	1.266	26.7	1.720	2.180	
94381	1346312	7617665	.87451	.7180	.867	1.007	1.026	2.6	8.960	9.190	
94404	70917	371631	.59514	.1989	.797	.926	.943	-5.6	3.240	3.060	
95310	252212	2090369	.38011	.4424	.640	.743	.757	-19.5	.820	.660	L
96408	854361	5259780	1.12440	.6426	1.025	1.190	1.212	21.2	7.700	9.330	
96409	1280674	10554614	.79070	.7767	.803	.933	.950	-5.0	6.770	6.430	
97221	584567	3830675	1.04608	.5736	.961	1.116	1.137	13.3	.980	1.110	
97222	4187388	19839636	.74038	.8653	.755	.877	.893	-10.9	2.200	1.960	
97223	3727282	15636988	1.07293	.8358	1.036	1.203	1.225	22.4	3.970	4.860	
98152	315557	2652442	1.40336	.4928	1.121	1.302	1.326	30.8	.390	.510	U
98157	39116	373039	1.25229	.1992	.927	1.077	1.097	11.5	.260	.290	
98163	2020	4991	.00000	.1166	.748	.869	.885	-11.5	.192	.170	
98164	5620	99449	.00000	.1394	.729	.847	.863	-14.1	.064	.055	
98659	183	1621	.00000	.1158	.749	.870	.886	-11.1	.360	.320	
98914	547	3472	.00000	.1162	.748	.869	.885	-11.3	.530	.470	
98949	3532	17554	.00000	.1197	.745	.865	.881	-11.9	.270	.238	
98993	1364400	7695392	.66037	.7199	.713	.828	.843	-15.8	4.750	4.000	
99163	4774	9273	.00000	.1177	.747	.868	.884	-10.0	.300	.270	
99803	3868	54305	1.65972	.1287	.951	1.105	1.125	12.5	6.330	7.120	
99946	2368409	14903216	.77185	.8292	.785	.912	.929	-7.0	2.300	2.140	
99969	811158	3708802	.96003	.5664	.911	1.058	1.078	8.0	2.630	2.840	

X-TILDE: .868 X-TILDE (MONOLINE): .861 PI-TILDE: .0068937
 TAU SQUARED: .03000 SIGMA SQUARED: 106944.31114

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MISSOURI GL-2020-BGL1
BASIC LIMIT LOSS COST LEVEL
GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS
ACTUARIAL ANALYSIS SUPPLEMENT

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

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

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	- 4.0%	- 4.0%
OL&T	+ 7.1%	+ 7.1%
Premises/Operations	+ 1.8%	+ 1.8%
Products	- 0.4%	- 0.4%
Local Products/Completed Operations	+ 7.0%	+ 7.0%
Products/Completed Operations	+ 4.9%	+ 4.9%
GL Overall	+ 2.3%	+ 2.3%

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

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

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

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

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

CALL TO CALL COMPARISON

Manufacturers and Contractors

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 11.9%, 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 14.1% decrease in ALCCL;
- Implemented loss cost level change (-3.7%);
- A change in exposure trend plus an additional year of trending (+1.0%);
- The effect on ALCCL due to a change in average IPMFs (+5.6%).

The Basic Limit Experience Ratio (BLER) decreased in 2016 (-6.6%) and 2017 (-12.6%). This is mainly due to favorable experience across several class groups.

Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 16.2%, 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 12.0% decrease in ALCCL;
- Implemented loss cost level change (-4.4%);
- The effect on ALCCL due to a change in average IPMFs (-1.1%).

The Basic Limit Experience Ratio (BLER) increased in 2014 (+23.5%), 2015 (+17.0%), and 2017 (+15.0%). This is mainly due to unfavorable experience across several class groups.

Products

Multistate ALCCL decreased by an average of 21.7% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in company mix which caused a 12.3% decrease in ALCCL;
- Implemented an average loss cost level change of approximately -10.8% in most states;
- A change in exposure trend plus an additional year of trending of -0.8%;
- The effect on ALCCL due to a change in average IPMFs (-0.5%).

The BLERs changed due to the various effects listed above.

CALL TO CALL
COMPARISON
(Cont'd)

Local Products/
Completed Ops

Multistate ALCCL decreased by an average of 3.7% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in the companies mix which caused a 5.0% decrease in ALCCL;
- Implemented an average loss cost level change of approximately +0.2% in most states;
- A change in exposure trend plus an additional year of trending of +1.6%;
- The effect on ALCCL due to a change in average IPMFs (+0.2%).

The BLERs changed due to the various effects listed above.

LATEST CALL
YEAR TO YEAR
COMPARISON

Manufacturers and
Contractors

The ALCCL increased steadily from 2014 to 2018.

The high BLER for 2014 (1.149) is attributable to unfavorable experience in several class groups. The low BLERs for 2015 (0.843) and 2016 (0.858) are attributable to favorable experience in several class groups.

Owners, Landlords
and Tenants

The ALCCL increased from 2014 to 2017 and then decreased thereafter.

The high BLER for 2014 (1.273) is attributable to unfavorable experience in several class groups.

Products

The ALCCL increased steadily from 2014 to 2018.

The BLER decreased from 2014 to 2015, increased in 2016 and then decreased thereafter.

Local Products/
Completed Ops

The ALCCL increased steadily from 2014 to 2018.

The BLER increased from 2014 to 2015, decreased until 2017 and then increased thereafter.

LOSS
DEVELOPMENT
FACTOR
COMPARISON

Manufacturers and
Contractors

The BI and PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

The multistate full coverage BI and PD indemnity factors have increased compared to the 2019 review.

The multistate deductible coverage BI indemnity factors remained stable compared to the 2019 review. The multistate deductible coverage PD indemnity factors have decreased compared to the 2019 review.

The multistate Fringe indemnity factors remained stable compared to the 2019 review.

Owners, Landlords
and Tenants

The BI indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review. The PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review, except for the 15 months-to-ultimate factor which increased by 14.8%. This can largely be attributed to higher 15-to-27 and 27-to-39 months state link ratios.

The multistate full coverage BI Indemnity factors have increased compared to those in the 2019 review. The multistate full coverage PD Indemnity factors remained stable compared to those in the 2019 review.

The multistate deductible coverage BI Indemnity factors remained stable compared to the 2019 review. The multistate deductible coverage BI and PD Indemnity factors have decreased compared to the 2019 review.

The multistate Fringe indemnity factors remained stable compared to the 2019 review.

Products

The multistate full coverage BI and PD indemnity development factors for the 2020 review have increased compared to those in the 2019 review.

The multistate deductible coverage BI indemnity development factors have increased compared to the 2019 review. The multistate deductible coverage PD indemnity development factors remained stable compared to the 2019 review.

LOSS
DEVELOPMENT
FACTOR
COMPARISON
(Cont'd)

Local Products/
Completed Ops

For Local Products, the multistate full coverage BI indemnity development factors in this review remained stable compared to those in the 2019 review. The multistate full coverage PD indemnity development factors in this review have decreased compared to those in the 2019 review. The multistate deductible coverage BI indemnity development factors have decreased compared to the 2019 review. The multistate deductible coverage PD indemnity development factors have increased compared to the 2019 review.

For Completed Operations, the full coverage BI indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review, except for the 27 and 39 months-to-ultimate factors which increased by 17.3% and 12.7% respectively. This can largely be attributed to higher 27-to-39, 39-to-51, and 51-to-63 months state link ratios. The full coverage PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

The Completed Operations multistate full coverage BI indemnity factors have decreased compared to those in the 2019 review. The multistate full coverage PD indemnity factors have increased compared to those in the 2019 review. The multistate deductible coverage BI indemnity factors have increased compared to those in the 2019 review. The multistate deductible coverage PD indemnity factors have decreased compared to those in the 2019 review.

One might expect PD development to be higher due to the Montrose decision in California. In response to the Montrose decision, ISO has introduced revised wording into the CGL policy to better define the concept of known loss. This revision represents neither a broadening nor a restriction in coverage from the original intent, however, it may result in the shifting of coverage, under certain circumstances, between an insured's current policy and past or future policies.

ALAE Development

To develop ALAE losses for all sublines and loss types (BI, PD and Fringe), we are using an incremental method that is based on a percentage of the total limit indemnity losses developed to ultimate. Since this is a procedure that produces incremental factors instead of multiplicative factors, there is no appropriate factor comparison available to last year's review.

One of the primary purposes of this procedure is to produce accurate and stable developed ALAE, especially for immature accident years.

SEVERITY TREND
COMPARISON

Manufacturers and
Contractors

The BI severity trend selection is +4.5%, unchanged from +4.5% in the previous Calendar review.

The PD severity trend selection is +4.5%, up from +4.0% in the previous Calendar review.

The Fringe severity trend selection is 0.0%, down from +0.5% in the previous Calendar review.

Owners, Landlords
and Tenants

The BI severity trend selection is +4.0%, up from +3.5% in the previous Calendar review.

The PD severity trend selection is +5.0%, up from +4.5% in the previous Calendar review.

The Fringe severity selection is +1.0%, down from +2.0% in the previous Calendar review.

Products

The BI severity trend selection is +3.0%, up from +2.5% in the previous review.

The PD severity trend selection is +6.0%, down from +6.5% in the previous review.

Local Products/
Completed Ops

The BI severity trend selection is +4.0%, up from +2.5% in the previous review.

The PD selected severity trend is +4.5%, unchanged from +4.5% in the previous review.

FREQUENCY
TREND
COMPARISON

We have selected a frequency trend of 0.0% for Manufacturers & Contractors, -0.5% for Owners, Landlords and Tenants, -1.5% for Products, and -0.5% for Local Products/Completed Operations. This is consistent with our conservative approach toward frequency trend selections. This conservatism reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

Manufacturers and
Contractors

The latest frequency point is higher than the prior point.

Owners, Landlords
and Tenants

The latest frequency point is higher than the prior point.

Products

The latest frequency point is lower than the prior point.

Local Products/
Completed Ops

The latest frequency point is lower than the prior point.

EXPOSURE
TREND
COMPARISON

Manufacturers and
Contractors

The exposure trend factors for Manufacturers are lower than that used in the previous review for all three years. The exposure trend factors for Contractors are lower than that used in the previous review for all three years

Owners, Landlords
and Tenants

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

Products

The exposure trend factors are lower than that used in the previous review for all three years.

Local Products/
Completed Ops

The exposure trend factors for Local Products are lower than that used in the previous review for all three years. The exposure trend factors for Completed Operations are lower than that used in the previous review for all three years.

WEIGHTED AVERAGE IMPLICIT PACKAGE MODIFICATION FACTOR (IPMF) COMPARISON	Manufacturers and Contractors	The current weighted average IPMF is 0.993. In the 2019 review the weighted average IPMF was 0.904.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.913. In the 2019 review the weighted average IPMF was 0.930.
	Products	The current multistate weighted average IPMF is 0.859. In the 2019 review the multistate weighted average IPMF was 0.856.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.984. In the Group 1, 2019 review the multistate weighted average IPMF was 0.979.
The IPMF's are applied to the multiline ALCCL.		
CLASS GROUP/ TERRITORY/ STATE RELATIVE CHANGE	The class group relative changes for Manufacturers and Contractors vary within reasonable limits.	
	The class group relative changes for Owners, Landlords and Tenants vary within reasonable limits.	
	For Local Products, Missouri's state balanced relative change (0.978) ranks 17th lowest overall. In last year's review, Missouri's state balanced relative change (1.011) ranked 22nd highest overall.	
CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average decrease of 14.1% in the total statewide ALCCL.	
	For Owners, Landlords and Tenants, the change in company mix results in an average decrease of 12.0% in the total statewide ALCCL.	
	For Products, the change in company mix results in a 12.3% decrease in the total multistate ALCCL.	
	For Local Products/Completed Operations, the change in company mix results in a 5.0% decrease in the total multistate ALCCL.	

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.113	.195	10205	.29	—	11210	3.13	—	13207	(a)	(a)
10015	3.97	—	10220	5.54	—	11211	16.30	—	13208	(a)	(a)
10020	(a)	(a)	10255	.237	.147	11212	2.46	—	13314	.141	.016
10026	.76	.022	10256	.87	.152	11213	2.01	—	13351	.34	.046
10036	.64	(a)	10257	.164	.169	11214	4.95	—	13352	.35	.037
10040	.086	.30	10309	.19	.019	11222	.083	—	13410	1.36	2.99
10042	.44	.29	10315	.45	(a)	11234	.33	.046	13411	(a)	(a)
10052	2.75	—	10331	5.39	—	11248	.045	.018	13412	.46	1.14
10054	2.44	—	10332	9.29	—	11258	.67	.219	13453	.53	(a)
10060	.208	.048	10352	.32	.046	11259	.71	.142	13454	.62	(a)
10065	.31	.034	10367	4.19	—	11273	16.40	—	13455	.63	(a)
10066	.32	.06	10368	6.13	—	11274	15.80	—	13461	(a)	(a)
10070	.065	.154	10375	(a)	—	11288	.82	.106	13506	1.08	.048
10071	.37	.096	10378	5.45	—	12014	.097	.036	13507	1.30	.096
10072	4.74	—	10379	2.53	—	12356	1.39	.03	13590	.47	.74
10073	1.00	.47	10380	4.32	—	12361	.098	.077	13621	.119	.32
10075	7.39	.152	10381	3.74	—	12362	.071	(a)	13670	.055	.015
10100	.55	.06	11007	1.78	—	12373	.027	.024	13673	.50	.014
10101	.28	.181	11020	.36	.136	12374	.72	.087	13715	.071	.165
10105	3.05	—	11039	.87	.095	12375	.36	.04	13716	.53	.084
10107	3.05	.32	11052	4.33	—	12391	.053	.082	13720	.28	.073
10110	13.50	—	11101	(a)	(a)	12393	.47	(a)	13759	.208	.128
10111	.142	.078	11120	(a)	—	12467	.196	(a)	13930	.151	.201
10113	.42	—	11126	.074	.022	12509	.059	.036	14068	.046	.014
10115	.84	.078	11127	.36	.008	12510	.75	.025	14101	.54	.051
10117	3.95	—	11128	.49	.066	12583	.33	(a)	14279	.45	.05
10119	(a)	—	11138	1.35	—	12651	.97	.53	14401	.67	.084
10120	8.85	—	11155	.25	—	12683	.45	(a)	14405	1.05	—
10130	4.16	—	11160	(a)	(a)	12707	.47	.64	14527	.29	.189
10132	3.59	—	11167	1.00	—	12797	.098	.196	14655	.104	—
10133	4.16	—	11168	5.17	—	12805	.38	.071	14731	4.30	—
10135	(a)	—	11201	15.60	—	12841	.63	—	14732	.32	—
10140	.045	.021	11202	4.61	—	12927	.11	—	14733	.73	—
10141	.09	.023	11203	.84	.52	13049	.051	.057	14734	.31	—
10145	.43	.011	11204	.37	1.19	13111	.62	.093	14855	.209	.154
10146	.247	.021	11205	(a)	—	13112	.083	.063	14913	.39	.157
10150	.58	(a)	11206	.72	—	13201	.86	.16	15060	(a)	(a)
10151	14.70	—	11207	9.14	—	13204	.97	1.45	15061	(a)	(a)
10160	2.61	—	11208	1.57	—	13205	.37	.46	15062	.187	(a)
10204	.26	—	11209	7.36	—	13206	(a)	(a)	15063	.218	(a)

DIVISION SIX

PREM/OPS TERR. 501

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.14	—	16750	.123	.032	18707	.011	.004	40117	(a)	—
15119	(a)	—	16751	.123	—	18708	.135	.017	40140	(a)	—
15120	(a)	—	16819	1.13	(a)	18833	.127	(a)	41001	.148	—
15123	4.15	—	16820	.88	(a)	18834	.35	.107	41210	(a)	—
15124	1.45	—	16881	1.92	(a)	18911	1.10	.019	41421	.40	—
15188	.33	(a)	16890	.133	(a)	18912	2.08	.033	41422	.212	—
15223	.065	.041	16891	.145	(a)	18920	.54	.019	41510	55.50	—
15224	.30	.084	16892	.26	(a)	18991	(a)	—	41603	18.80	—
15300	(a)	—	16900	3.43	.083	19007	1.62	—	41604	10.30	—
15314	.25	(a)	16901	2.20	.124	19051	3.60	—	41620	1.31	—
15404	.085	(a)	16902	1.86	.088	19061	(a)	—	41650	26.50	—
15405	.126	(a)	16905	3.61	.083	19795	.36	(a)	41664	18.70	—
15406	.32	.048	16906	2.30	.124	19796	.42	—	41665	2.19	—
15488	.80	(a)	16910	2.06	.066	40005	(a)	—	41666	(a)	—
15538	.45	.019	16911	1.86	.069	40006	(a)	—	41667	51.20	—
15600	1.13	.091	16915	2.11	.057	40010	(a)	—	41668	48.00	—
15607	.184	—	16916	1.76	.067	40015	(a)	—	41669	.34	—
15608	.25	.01	16920	4.68	.136	40020	(a)	—	41670	.57	—
15656	7.42	—	16921	4.27	.053	40026	(a)	—	41672	(a)	—
15699	.45	—	16930	2.69	.169	40031	(a)	—	41673	(a)	—
15733	.209	.037	16931	2.90	.068	40032	(a)	—	41675	(a)	—
15839	.34	.024	16940	5.84	.053	40040	(a)	—	41677	.27	—
15991	.28	.059	16941	2.34	.085	40041	(a)	—	41678	71.50	—
15993	.233	.034	18078	.129	.134	40042	(a)	—	41679	(a)	(a)
16005	.038	.034	18109	.46	.03	40045	124.00	—	41680	13.80	—
16009	.26	.094	18110	.37	.028	40046	24.50	—	41696	.85	—
16402	1.67	—	18200	(a)	—	40047	8.73	—	41697	.59	—
16403	1.05	.169	18205	.198	.35	40059	3.12	—	41700	(a)	—
16404	1.33	—	18206	.59	.115	40061	1.66	—	41715	8.74	—
16471	.26	—	18335	.43	.015	40063	55.40	—	41716	5.56	—
16501	.08	(a)	18435	.59	.077	40064	16.30	—	43007	(a)	—
16527	.122	.35	18436	.47	.138	40066	(a)	—	43117	(a)	—
16588	.119	(a)	18437	.61	(a)	40067	(a)	—	43151	27.00	—
16604	.199	.146	18438	1.18	(a)	40069	(a)	—	43152	21.40	—
16670	2.24	—	18501	.54	.01	40072	(a)	—	43200	103.00	—
16676	.35	.014	18506	.42	.006	40075	54.30	—	43215	(a)	—
16694	.39	(a)	18507	.221	.007	40101	24.70	—	43421	28.20	—
16705	.227	.148	18570	2.31	—	40102	21.80	—	43422	148.00	—
16722	(a)	—	18575	(a)	(a)	40111	4.39	—	43424	(a)	—
16723	(a)	—	18616	.32	.59	40115	(a)	—	43470	4.97	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43517	(a)	—	44277	89.50	—	46004	25.20	—	47471	3.44	—
43518	8.04	—	44280	.27	—	46005	20.10	—	47473	4.50	—
43550	101.00	—	44311	4.15	—	46112	.097	—	47474	5.03	—
43551	55.80	—	44315	2.79	—	46202	4.71	—	47475	3.97	—
43626	6.42	—	44427	89.40	—	46362	250.00	—	47476	3.97	—
43628	83.50	—	44428	89.90	—	46426	36.50	—	47477	5.30	—
43629	70.70	—	44429	1.35	—	46427	48.70	—	47478	5.56	—
43754	(a)	—	44430	.94	—	46510	(a)	—	47600	(a)	—
43760	2.36	—	44431	2.99	—	46590	(a)	—	47610	(a)	—
43822	3.96	—	44432	.95	—	46603	3.06	—	48039	72.90	—
43840	.049	—	44433	30.20	—	46604	3.53	—	48177	(a)	—
43860	3.11	—	44434	57.80	—	46606	9.41	—	48178	(a)	—
43889	1.11	—	44435	59.80	—	46607	12.90	—	48206	17.00	—
43945	(a)	—	44436	69.90	—	46622	11.60	—	48252	(a)	—
43946	(a)	—	44437	57.90	—	46671	(a)	—	48441	.071	—
43990	(a)	(a)	44438	45.80	—	46700	207.00	—	48557	7.14	—
43991	(a)	—	44439	89.10	—	46773	(a)	—	48558	6.21	—
44009	5.06	—	44440	73.70	—	46822	(a)	—	48600	72.90	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	6.87	—	44501	(a)	—	46882	(a)	—	48636	1.11	(a)
44070	2.03	—	45190	3.71	—	46911	12.70	—	48637	5.45	—
44071	2.26	—	45191	2.63	—	46912	23.30	—	48638	2.71	—
44072	1.56	—	45192	3.08	—	46913	(a)	—	48727	(a)	—
44100	2.30	—	45193	1.82	—	46914	(a)	—	48808	1.90	—
44101	2.39	—	45210	2.30	—	46915	(a)	—	48924	(a)	—
44102	1.87	—	45224	(a)	—	46916	(a)	—	48925	131.00	—
44103	1.65	—	45225	(a)	—	47050	1.08	—	49005	.184	—
44104	.69	—	45334	59.30	—	47051	(a)	—	49111	2.91	—
44105	(a)	—	45380	.244	(a)	47052	(a)	—	49181	23.80	—
44106	(a)	—	45450	17.40	—	47103	(a)	—	49183	29.00	—
44108	.81	—	45523	(a)	—	47146	(a)	—	49184	61.30	—
44109	2.06	—	45524	(a)	—	47147	(a)	—	49185	55.80	—
44110	2.11	—	45539	(a)	—	47221	227.00	—	49239	.183	.60
44111	1.29	—	45678	.29	—	47253	(a)	—	49292	1.74	—
44112	.77	—	45771	.37	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.121	.073	47318	5.22	—	49333	12.80	—
44193	(a)	—	45900	.129	.055	47367	.27	—	49451	(a)	—
44194	(a)	—	45901	.11	.049	47420	1.14	—	49452	(a)	—
44222	(a)	—	45937	.232	—	47468	(a)	—	49617	.34	.131
44276	138.00	—	45993	(a)	(a)	47469	3.97	—	49618	.29	.048

DIVISION SIX

PREM/OPS TERR. 501

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.54	.074	51315	.119	.106	51809	.30	.153	52341	.032	(a)
49763	3.51	—	51330	.068	.53	51833	.211	.06	52342	.092	(a)
49800	(a)	—	51333	.022	.34	51850	.163	(a)	52343	.056	(a)
49801	200.00	—	51340	.029	(a)	51851	.111	(a)	52401	.173	(a)
49802	17.70	—	51350	.33	.135	51852	.26	(a)	52402	.016	(a)
49803	31.40	—	51351	.29	.042	51853	.104	(a)	52432	.08	(a)
49840	1.11	—	51352	.40	.108	51854	.234	(a)	52433	.073	1.02
49870	54.60	—	51355	.27	.094	51855	.246	(a)	52435	.091	(a)
49890	(a)	—	51356	.29	.62	51856	.135	(a)	52438	.066	(a)
49891	(a)	—	51357	.168	.66	51857	.231	(a)	52440	.104	(a)
49902	(a)	—	51358	.41	.141	51869	.079	.136	52467	.096	(a)
49903	(a)	—	51359	.36	.78	51877	.45	.212	52469	.034	.104
50010	.172	.49	51370	.35	4.57	51889	.073	.012	52505	.167	.216
50015	.112	(a)	51380	.035	.044	51896	.034	.018	52547	.15	.078
50017	.085	(a)	51400	.158	(a)	51900	.158	.095	52581	.81	2.95
50045	.195	(a)	51401	.233	(a)	51909	.148	.056	52619	.057	(a)
50047	.022	(a)	51500	.065	.119	51919	.074	(a)	52660	.096	—
51001	.038	.45	51516	.081	—	51926	.075	.038	52744	.81	.081
51005	.008	(a)	51517	.092	—	51927	.041	.131	52767	.137	(a)
51116	.096	.69	51550	.081	.39	51934	.083	.125	52876	(a)	(a)
51201	.029	(a)	51551	.028	.91	51941	.075	.041	52911	.046	.45
51205	.09	.071	51552	.049	.159	51942	.12	—	52967	.017	.062
51206	.014	.39	51553	.087	(a)	51956	.32	.221	53001	.167	.33
51210	.066	(a)	51554	.008	(a)	51957	.29	.42	53077	.08	.207
51211	(a)	(a)	51575	.087	.02	51958	.25	.41	53095	.055	(a)
51220	.228	2.28	51576	.155	.093	51959	.26	(a)	53096	.077	(a)
51221	.127	1.78	51600	.106	.191	51960	.034	.35	53121	.218	.44
51222	.154	3.67	51613	.07	.139	51970	.149	.238	53147	.023	(a)
51224	.161	1.45	51625	.035	(a)	51982	.044	.083	53229	.13	(a)
51230	.027	.79	51666	.139	.101	51985	.076	—	53271	.041	(a)
51240	.35	.185	51702	.104	(a)	51986	.172	.103	53333	.128	.239
51241	1.05	.26	51703	.043	(a)	51999	.073	.44	53374	.213	.31
51250	.175	(a)	51734	.081	.31	52002	.064	.129	53375	.113	.223
51251	.03	(a)	51741	.184	.26	52075	.129	.243	53376	.181	.194
51252	.107	.10	51752	.155	.165	52076	.155	(a)	53377	.185	.195
51253	.091	(a)	51767	.04	.008	52109	.016	(a)	53403	.117	(a)
51254	.028	.039	51777	.141	.078	52134	.213	.63	53425	.12	(a)
51255	.44	(a)	51790	.234	(a)	52137	.051	(a)	53565	.136	.108
51300	.194	.16	51796	.067	(a)	52150	.39	(a)	53631	.025	.022
51305	.194	.96	51808	.239	.73	52315	.183	.26	53632	.029	.034

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops
53731	.027	(a)	56170	.118	(a)	57401	.053	.096	58503	.064	.076
53732	.182	.45	56171	.058	(a)	57403	.29	.035	58532	.082	(a)
53733	.118	.27	56202	.061	.089	57410	.026	.162	58559	.017	(a)
53734	.49	—	56390	.106	.64	57411	.03	(a)	58560	.04	(a)
53803	.29	(a)	56391	.091	.32	57572	.015	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.147	.125	57600	.045	.034	58575	.052	.12
53902	(a)	(a)	56488	.234	.034	57611	.063	.062	58627	.167	.013
53903	(a)	(a)	56567	.122	(a)	57625	.39	(a)	58663	.27	1.28
53904	(a)	(a)	56650	.37	(a)	57651	.048	.041	58682	.149	(a)
53905	(a)	(a)	56651	.204	(a)	57690	.082	.49	58713	.089	(a)
53907	.08	.103	56652	.146	(a)	57716	.039	.082	58737	.108	.63
53951	(a)	(a)	56653	.14	(a)	57725	.085	.088	58756	.051	(a)
53952	(a)	(a)	56654	.072	(a)	57726	.066	.021	58757	.36	(a)
53953	(a)	(a)	56690	.121	.35	57798	.024	(a)	58759	.045	(a)
54012	.049	—	56699	.068	.057	57800	.091	(a)	58802	.051	.48
54077	.11	.40	56758	.058	.148	57808	.033	(a)	58813	.124	(a)
54444	(a)	(a)	56759	.059	.08	57809	.034	(a)	58822	.14	(a)
55010	.33	1.08	56760	.085	.098	57810	.033	.107	58837	.25	.162
55011	.089	1.57	56805	.111	(a)	57871	.039	.118	58840	.075	.127
55012	.106	1.18	56806	.079	(a)	57913	.117	.29	58873	.119	.03
55013	.109	1.14	56807	.078	(a)	57997	.108	—	58903	.032	(a)
55014	(a)	(a)	56808	.102	(a)	57998	.052	.058	58904	.025	.128
55214	.086	.088	56900	.098	(a)	57999	.054	.071	58922	.198	.168
55371	.54	.119	56910	.049	(a)	58009	.054	(a)	59005	.061	.096
55410	(a)	(a)	56911	.105	(a)	58010	.121	(a)	59057	.45	(a)
55426	.132	(a)	56912	.085	.09	58020	.31	(a)	59058	.29	(a)
55597	.022	1.79	56913	.07	(a)	58056	.144	(a)	59188	.61	.055
55647	.043	.062	56915	.41	(a)	58057	.091	(a)	59189	.84	.30
55648	.02	(a)	56916	.37	.205	58058	.081	(a)	59223	.123	.088
55649	.023	(a)	56917	.108	(a)	58095	.115	1.99	59257	.016	.013
55715	.171	.224	56918	.052	(a)	58096	.152	1.23	59306	.103	(a)
55716	.248	.52	56919	.132	(a)	58301	.041	.088	59378	.08	.15
55717	.174	(a)	56920	.12	(a)	58302	.041	.055	59481	.28	.099
55718	.169	(a)	56980	.085	(a)	58397	.239	.74	59482	.64	(a)
55802	.141	.009	57001	.029	.026	58408	.064	—	59537	.086	.21
55918	.098	2.74	57002	.019	.106	58409	.081	—	59601	.104	2.37
55919	.013	3.65	57090	.193	.66	58456	.043	—	59647	.29	.17
56040	.009	.033	57146	.122	.72	58457	.063	—	59660	.192	1.18
56041	.061	(a)	57202	.075	(a)	58458	.081	—	59661	.094	(a)
56042	.077	(a)	57257	.093	.035	58459	.097	—	59693	.016	—

DIVISION SIX

PREM/OPS TERR. 501

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.48	.069	63220	(a)	—	91190	2.48	(a)
59701	.008	.29	59970	.074	.183	64074	26.20	—	91200	.96	—
59713	.172	.31	59973	.131	(a)	64075	18.40	—	91210	(a)	—
59722	.089	.031	59975	.103	.227	64500	(a)	—	91235	2.65	2.04
59723	.034	.037	59977	.059	(a)	65007	38.80	—	91250	3.99	(a)
59724	.051	.019	59984	.036	.053	66122	16.70	—	91265	20.50	1.77
59725	.064	.116	59985	.141	(a)	66123	9.17	—	91266	10.80	.73
59726	.047	.024	59986	.108	(a)	66309	26.80	—	91280	(a)	2.18
59738	.149	.064	59988	.026	.059	66561	62.10	—	91302	10.70	(a)
59750	.064	.222	59989	.019	.044	67017	57.60	—	91315	3.25	—
59751	.023	(a)	60010	19.30	—	67508	31.80	—	91324	7.25	(a)
59773	.036	.028	60011	22.20	—	67509	23.30	—	91325	(a)	(a)
59774	.03	.15	60012	36.40	—	67510	13.00	—	91340	4.73	7.33
59775	.038	.188	60013	31.20	—	67511	14.00	—	91341	5.28	4.05
59781	.056	.068	60015	23.30	—	67512	60.10	—	91342	4.34	2.63
59782	.083	.46	60016	26.20	—	67513	38.10	—	91343	1.16	1.66
59783	.081	(a)	60035	43.80	—	67634	49.90	—	91405	5.51	—
59784	.062	(a)	61000	19.10	—	67635	35.30	—	91436	5.97	1.74
59790	.115	(a)	61212	23.50	—	68001	108.00	—	91481	21.80	—
59798	.212	.50	61216	26.10	—	68439	139.00	—	91507	3.21	2.62
59806	.152	(a)	61217	23.80	—	68500	4.24	—	91523	49.50	—
59867	.129	(a)	61218	16.20	—	68604	2.59	—	91547	.28	—
59886	.017	.108	61223	110.00	—	68606	10.10	—	91551	1.75	.66
59889	.119	.165	61224	38.80	—	68607	8.00	—	91555	1.60	.98
59892	.081	(a)	61225	53.90	—	68702	6.59	—	91560	5.98	3.57
59904	.055	.061	61226	85.90	—	68703	4.94	—	91562	3.89	—
59905	.081	.132	61227	78.60	—	68706	21.20	—	91577	13.90	2.66
59914	.47	.68	62000	17.90	—	68707	20.90	—	91580	7.90	—
59915	.182	.75	62001	13.40	—	90089	5.05	—	91581	(a)	(a)
59917	.034	.205	62002	6.12	—	91111	3.42	7.34	91582	(a)	(a)
59923	.012	.004	62003	19.30	—	91125	3.04	1.18	91583	(a)	(a)
59925	.37	1.19	63010	34.70	—	91127	2.30	.92	91584	(a)	(a)
59926	.31	.45	63011	43.40	—	91130	1.68	—	91585	(a)	(a)
59927	.209	1.42	63012	61.70	—	91135	.47	(a)	91586	(a)	(a)
59931	.213	.55	63013	58.40	—	91150	2.17	5.27	91587	(a)	(a)
59932	.23	.88	63215	63.70	—	91155	4.82	36.20	91588	(a)	(a)
59941	.072	(a)	63216	44.20	—	91160	1.22	—	91589	(a)	(a)
59947	.055	.32	63217	24.90	—	91175	1.05	—	91590	4.04	—
59955	.027	.143	63218	8.38	—	91177	4.60	—	91591	(a)	(a)
59963	.204	.41	63219	(a)	—	91179	4.62	—	91606	16.40	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91618	(a)	(a)	95357	1.68	—	97653	3.66	2.42	98426	2.97	(a)
91629	3.35	(a)	95358	(a)	—	97654	6.39	2.53	98427	2.89	—
91636	5.74	—	95410	5.19	2.50	97655	6.28	3.61	98428	(a)	—
91641	1.56	(a)	95455	6.94	1.20	98002	1.14	.90	98429	1.50	—
91666	1.09	(a)	95487	2.78	(a)	98003	1.15	(a)	98430	(a)	—
91722	5.03	(a)	95505	3.23	2.09	98090	.154	—	98449	4.15	18.70
91746	3.89	5.60	95620	2.25	(a)	98091	.167	—	98482	4.45	4.40
91805	.244	—	95625	5.12	3.19	98092	.51	—	98483	6.58	13.70
92053	.60	.58	95630	(a)	(a)	98111	.67	—	98502	6.29	3.88
92054	.207	.216	95647	3.20	6.36	98150	(a)	—	98555	2.93	—
92055	5.77	.224	95648	(a)	(a)	98151	(a)	—	98597	.66	—
92101	9.02	2.66	96053	2.43	3.45	98152	3.83	.51	98598	.225	—
92102	5.43	2.81	96317	1.74	—	98153	4.31	(a)	98601	7.53	(a)
92215	3.80	2.72	96408	4.49	9.33	98154	5.09	(a)	98622	(a)	—
92338	2.09	1.83	96409	4.15	6.43	98155	7.12	(a)	98623	(a)	—
92445	3.29	—	96410	3.64	7.55	98156	(a)	(a)	98624	1.18	—
92446	6.86	1.44	96611	1.08	1.34	98157	4.55	.29	98636	3.26	3.38
92447	5.99	1.16	96702	5.17	(a)	98158	(a)	(a)	98640	130.00	—
92451	2.65	2.26	96703	(a)	—	98159	3.05	(a)	98658	7.36	—
92453	3.79	—	96816	4.85	—	98160	6.46	(a)	98659	1.32	.32
92478	1.88	1.39	96872	6.16	(a)	98161	7.24	(a)	98677	20.50	8.39
92593	34.80	—	96930	(a)	—	98162	(a)	(a)	98678	18.20	13.30
92663	.78	—	97002	(a)	(a)	98163	7.60	.17	98698	(a)	(a)
94007	12.90	4.76	97003	(a)	(a)	98164	2.24	.055	98699	5.92	(a)
94099	2.93	—	97047	3.30	—	98257	1.73	—	98705	10.40	—
94225	10.30	—	97050	2.56	—	98303	14.30	4.78	98710	4.11	—
94276	5.37	4.70	97111	6.20	—	98304	6.41	3.43	98751	5.56	—
94304	3.39	(a)	97220	.45	(a)	98305	2.65	1.36	98805	5.37	1.21
94381	6.36	9.19	97221	(a)	1.11	98306	6.81	.76	98806	3.04	3.07
94404	5.09	3.06	97222	1.76	1.96	98307	2.03	.43	98810	3.73	—
94444	(a)	(a)	97223	2.65	4.86	98308	1.33	.93	98813	3.60	1.53
94569	3.44	3.25	97308	.84	—	98309	7.18	2.06	98820	10.30	2.72
94590	14.80	—	97447	2.75	4.50	98344	.74	.75	98871	(a)	(a)
94617	4.68	—	97501	(a)	—	98405	1.22	—	98884	2.67	1.44
94638	(a)	—	97502	(a)	—	98413	16.90	(a)	98914	.90	.47
95124	1.73	1.07	97503	(a)	—	98414	15.40	(a)	98949	1.26	.238
95233	3.70	—	97504	(a)	—	98415	2.03	(a)	98967	4.19	6.70
95305	4.02	—	97650	4.28	3.55	98423	4.83	(a)	98993	6.23	4.00
95306	6.58	—	97651	8.14	3.37	98424	8.19	(a)	99003	1.99	1.17
95310	9.60	.66	97652	7.06	3.41	98425	3.36	(a)	99004	2.99	1.56

DIVISION SIX

PREM/OPS TERR. 501

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.41	6.73	99826	.74	.55						
99081	(a)	—	99827	.51	.56						
99082	(a)	—	99851	2.07	—						
99083	(a)	—	99917	3.34	—						
99084	(a)	(a)	99938	3.76	—						
99085	(a)	(a)	99943	10.90	—						
99111	2.05	—	99946	8.12	2.14						
99160	(a)	—	99948	7.51	20.10						
99163	4.88	.27	99952	5.47	14.00						
99165	1.07	(a)	99953	5.90	8.35						
99220	1.97	(a)	99954	4.30	11.10						
99221	(a)	(a)	99955	5.38	5.03						
99222	3.71	(a)	99963	.81	—						
99223	.30	(a)	99969	3.59	2.84						
99303	16.40	—	99975	4.77	—						
99310	4.10	(a)	99986	(a)	—						
99315	12.00	1.30	99987	(a)	—						
99321	11.70	1.93	99988	3.17	—						
99445	(a)	(a)									
99471	.90	—									
99505	5.27	—									
99506	6.49	—									
99507	5.66	—									
99570	3.04	(a)									
99571	.73	(a)									
99572	1.44	(a)									
99573	1.37	(a)									
99600	1.30	—									
99613	10.40	1.67									
99614	2.91	—									
99620	.56	—									
99650	1.44	.95									
99709	3.55	(a)									
99718	1.65	—									
99746	2.80	2.95									
99760	.32	—									
99777	6.47	—									
99793	3.55	—									
99798	(a)	(a)									
99803	(a)	7.12									

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.085	.195	10205	.24	—	11210	3.29	—	13207	(a)	(a)
10015	8.33	—	10220	4.52	—	11211	17.10	—	13208	(a)	(a)
10020	(a)	(a)	10255	.30	.147	11212	2.59	—	13314	.115	.016
10026	.62	.022	10256	1.09	.152	11213	2.11	—	13351	.28	.046
10036	.80	(a)	10257	.205	.169	11214	5.19	—	13352	.29	.037
10040	.065	.30	10309	.155	.019	11222	.087	—	13410	1.71	2.99
10042	.36	.29	10315	.37	(a)	11234	.27	.046	13411	(a)	(a)
10052	5.76	—	10331	11.30	—	11248	.056	.018	13412	.58	1.14
10054	5.11	—	10332	19.50	—	11258	.65	.219	13453	.67	(a)
10060	.17	.048	10352	.31	.046	11259	.69	.142	13454	.78	(a)
10065	.26	.034	10367	4.40	—	11273	13.40	—	13455	.79	(a)
10066	.26	.06	10368	6.43	—	11274	12.80	—	13461	(a)	(a)
10070	.049	.154	10375	(a)	—	11288	.79	.106	13506	.88	.048
10071	.31	.096	10378	11.40	—	12014	.122	.036	13507	1.06	.096
10072	4.98	—	10379	5.31	—	12356	1.14	.03	13590	.59	.74
10073	1.25	.47	10380	9.06	—	12361	.068	.077	13621	.149	.32
10075	9.26	.152	10381	7.85	—	12362	.054	(a)	13670	.038	.015
10100	.54	.06	11007	1.87	—	12373	.02	.024	13673	.49	.014
10101	.23	.181	11020	.29	.136	12374	.59	.087	13715	.054	.165
10105	2.49	—	11039	1.08	.095	12375	.29	.04	13716	.44	.084
10107	3.82	.32	11052	1.96	—	12391	.04	.082	13720	.28	.073
10110	28.40	—	11101	(a)	(a)	12393	.39	(a)	13759	.17	.128
10111	.107	.078	11120	(a)	—	12467	.16	(a)	13930	.115	.201
10113	.35	—	11126	.06	.022	12509	.074	.036	14068	.038	.014
10115	.69	.078	11127	.27	.008	12510	.94	.025	14101	.44	.051
10117	8.27	—	11128	.37	.066	12583	.42	(a)	14279	.57	.05
10119	(a)	—	11138	2.82	—	12651	1.22	.53	14401	.65	.084
10120	18.60	—	11155	.205	—	12683	.56	(a)	14405	1.10	—
10130	3.40	—	11160	(a)	(a)	12707	.35	.64	14527	.219	.189
10132	2.93	—	11167	.45	—	12797	.074	.196	14655	.085	—
10133	1.89	—	11168	2.34	—	12805	.31	.071	14731	1.95	—
10135	(a)	—	11201	16.40	—	12841	.52	—	14732	.144	—
10140	.031	.021	11202	4.84	—	12927	.09	—	14733	.60	—
10141	.063	.023	11203	.63	.52	13049	.036	.057	14734	.26	—
10145	.30	.011	11204	.30	1.19	13111	.60	.093	14855	.26	.154
10146	.24	.021	11205	(a)	—	13112	.058	.063	14913	.32	.157
10150	.48	(a)	11206	.76	—	13201	1.08	.16	15060	(a)	(a)
10151	12.00	—	11207	9.59	—	13204	1.22	1.45	15061	(a)	(a)
10160	2.13	—	11208	1.64	—	13205	.47	.46	15062	.235	(a)
10204	.215	—	11209	7.72	—	13206	(a)	(a)	15063	.27	(a)

DIVISION SIX

PREM/OPS TERR. 502

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.147	—	16750	.10	.032	18707	.008	.004	40117	(a)	—
15119	(a)	—	16751	.10	—	18708	.11	.017	40140	(a)	—
15120	(a)	—	16819	1.42	(a)	18833	.096	(a)	41001	.31	—
15123	1.88	—	16820	1.10	(a)	18834	.29	.107	41210	(a)	—
15124	.66	—	16881	1.57	(a)	18911	.90	.019	41421	.32	—
15188	.41	(a)	16890	.166	(a)	18912	1.70	.033	41422	.171	—
15223	.045	.041	16891	.181	(a)	18920	.44	.019	41510	45.30	—
15224	.29	.084	16892	.33	(a)	18991	(a)	—	41603	15.20	—
15300	(a)	—	16900	2.52	.083	19007	.74	—	41604	8.33	—
15314	.205	(a)	16901	1.61	.124	19051	1.63	—	41620	1.37	—
15404	.107	(a)	16902	1.37	.088	19061	(a)	—	41650	21.40	—
15405	.158	(a)	16905	2.65	.083	19795	.30	(a)	41664	39.30	—
15406	.40	.048	16906	1.69	.124	19796	.35	—	41665	4.60	—
15488	1.00	(a)	16910	1.51	.066	40005	(a)	—	41666	(a)	—
15538	.37	.019	16911	1.37	.069	40006	(a)	—	41667	107.00	—
15600	.92	.091	16915	1.55	.057	40010	(a)	—	41668	101.00	—
15607	.193	—	16916	1.29	.067	40015	(a)	—	41669	.71	—
15608	.205	.01	16920	3.43	.136	40020	(a)	—	41670	1.19	—
15656	6.06	—	16921	3.14	.053	40026	(a)	—	41672	(a)	—
15699	.48	—	16930	1.97	.169	40031	(a)	—	41673	(a)	—
15733	.26	.037	16931	2.13	.068	40032	(a)	—	41675	(a)	—
15839	.28	.024	16940	4.29	.053	40040	(a)	—	41677	.28	—
15991	.225	.059	16941	1.72	.085	40041	(a)	—	41678	70.40	—
15993	.19	.034	18078	.097	.134	40042	(a)	—	41679	(a)	(a)
16005	.028	.034	18109	.38	.03	40045	260.00	—	41680	11.10	—
16009	.32	.094	18110	.30	.028	40046	51.30	—	41696	.90	—
16402	1.36	—	18200	(a)	—	40047	18.30	—	41697	.62	—
16403	.86	.169	18205	.15	.35	40059	6.55	—	41700	(a)	—
16404	1.09	—	18206	.49	.115	40061	3.47	—	41715	7.05	—
16471	.27	—	18335	.35	.015	40063	116.00	—	41716	4.49	—
16501	.06	(a)	18435	.57	.077	40064	34.20	—	43007	(a)	—
16527	.092	.35	18436	.46	.138	40066	(a)	—	43117	(a)	—
16588	.149	(a)	18437	.50	(a)	40067	(a)	—	43151	50.80	—
16604	.25	.146	18438	.96	(a)	40069	(a)	—	43152	21.10	—
16670	4.69	—	18501	.52	.01	40072	(a)	—	43200	194.00	—
16676	.29	.014	18506	.52	.006	40075	102.00	—	43215	(a)	—
16694	.49	(a)	18507	.18	.007	40101	9.78	—	43421	53.00	—
16705	.171	.148	18570	1.88	—	40102	8.64	—	43422	278.00	—
16722	(a)	—	18575	(a)	(a)	40111	9.21	—	43424	(a)	—
16723	(a)	—	18616	.40	.59	40115	(a)	—	43470	5.22	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43517	(a)	—	44277	168.00	—	46004	20.30	—	47471	2.78	—
43518	16.90	—	44280	.28	—	46005	16.20	—	47473	3.63	—
43550	189.00	—	44311	8.70	—	46112	.038	—	47474	4.06	—
43551	105.00	—	44315	5.85	—	46202	5.87	—	47475	3.21	—
43626	13.50	—	44427	35.40	—	46362	246.00	—	47476	3.21	—
43628	175.00	—	44428	35.60	—	46426	35.90	—	47477	4.27	—
43629	148.00	—	44429	.53	—	46427	47.90	—	47478	4.49	—
43754	(a)	—	44430	.37	—	46510	(a)	—	47600	(a)	—
43760	4.94	—	44431	1.18	—	46590	(a)	—	47610	(a)	—
43822	4.15	—	44432	.38	—	46603	3.01	—	48039	137.00	—
43840	.051	—	44433	12.00	—	46604	3.47	—	48177	(a)	—
43860	3.27	—	44434	22.90	—	46606	9.26	—	48178	(a)	—
43889	1.17	—	44435	23.70	—	46607	12.70	—	48206	35.60	—
43945	(a)	—	44436	27.70	—	46622	12.10	—	48252	(a)	—
43946	(a)	—	44437	22.90	—	46671	(a)	—	48441	.15	—
43990	(a)	(a)	44438	18.10	—	46700	389.00	—	48557	15.00	—
43991	(a)	—	44439	35.30	—	46773	(a)	—	48558	13.00	—
44009	2.29	—	44440	29.20	—	46822	(a)	—	48600	71.80	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	14.40	—	44501	(a)	—	46882	(a)	—	48636	1.48	(a)
44070	4.26	—	45190	4.62	—	46911	26.70	—	48637	11.40	—
44071	4.74	—	45191	3.28	—	46912	48.80	—	48638	5.68	—
44072	3.28	—	45192	3.83	—	46913	(a)	—	48727	(a)	—
44100	2.83	—	45193	2.26	—	46914	(a)	—	48808	1.55	—
44101	2.95	—	45210	2.86	—	46915	(a)	—	48924	(a)	—
44102	2.30	—	45224	(a)	—	46916	(a)	—	48925	274.00	—
44103	2.03	—	45225	(a)	—	47050	1.13	—	49005	.193	—
44104	.86	—	45334	112.00	—	47051	(a)	—	49111	2.37	—
44105	(a)	—	45380	.31	(a)	47052	(a)	—	49181	44.80	—
44106	(a)	—	45450	32.80	—	47103	(a)	—	49183	54.70	—
44108	1.00	—	45523	(a)	—	47146	(a)	—	49184	115.00	—
44109	2.54	—	45524	(a)	—	47147	(a)	—	49185	105.00	—
44110	2.59	—	45539	(a)	—	47221	427.00	—	49239	.229	.60
44111	1.59	—	45678	.31	—	47253	(a)	—	49292	3.28	—
44112	.94	—	45771	.47	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.152	.073	47318	11.00	—	49333	24.10	—
44193	(a)	—	45900	.105	.055	47367	.28	—	49451	(a)	—
44194	(a)	—	45901	.09	.049	47420	2.40	—	49452	(a)	—
44222	(a)	—	45937	.44	—	47468	(a)	—	49617	.155	.131
44276	260.00	—	45993	(a)	(a)	47469	3.21	—	49618	.13	.048

DIVISION SIX

PREM/OPS TERR. 502

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.245	.074	51315	.149	.106	51809	.32	.153	52341	.042	(a)
49763	1.59	—	51330	.09	.53	51833	.128	.06	52342	.123	(a)
49800	(a)	—	51333	.03	.34	51850	.219	(a)	52343	.075	(a)
49801	376.00	—	51340	.031	(a)	51851	.148	(a)	52401	.231	(a)
49802	33.40	—	51350	.198	.135	51852	.35	(a)	52402	.017	(a)
49803	59.00	—	51351	.178	.042	51853	.14	(a)	52432	.085	(a)
49840	1.17	—	51352	.244	.108	51854	.31	(a)	52433	.078	1.02
49870	114.00	—	51355	.166	.094	51855	.33	(a)	52435	.097	(a)
49890	(a)	—	51356	.179	.62	51856	.181	(a)	52438	.07	(a)
49891	(a)	—	51357	.211	.66	51857	.31	(a)	52440	.11	(a)
49902	(a)	—	51358	.51	.141	51869	.084	.136	52467	.102	(a)
49903	(a)	—	51359	.45	.78	51877	.47	.212	52469	.036	.104
50010	.183	.49	51370	.37	4.57	51889	.078	.012	52505	.178	.216
50015	.119	(a)	51380	.037	.044	51896	.036	.018	52547	.20	.078
50017	.091	(a)	51400	.212	(a)	51900	.096	.095	52581	.87	2.95
50045	.207	(a)	51401	.31	(a)	51909	.198	.056	52619	.061	(a)
50047	.023	(a)	51500	.07	.119	51919	.079	(a)	52660	.101	—
51001	.051	.45	51516	.085	—	51926	.08	.038	52744	.49	.081
51005	.01	(a)	51517	.096	—	51927	.043	.131	52767	.183	(a)
51116	.128	.69	51550	.086	.39	51934	.088	.125	52876	(a)	(a)
51201	.031	(a)	51551	.03	.91	51941	.08	.041	52911	.048	.45
51205	.095	.071	51552	.052	.159	51942	.128	—	52967	.018	.062
51206	.015	.39	51553	.092	(a)	51956	.34	.221	53001	.178	.33
51210	.089	(a)	51554	.009	(a)	51957	.30	.42	53077	.086	.207
51211	(a)	(a)	51575	.053	.02	51958	.27	.41	53095	.059	(a)
51220	.30	2.28	51576	.165	.093	51959	.28	(a)	53096	.082	(a)
51221	.169	1.78	51600	.113	.191	51960	.036	.35	53121	.232	.44
51222	.206	3.67	51613	.074	.139	51970	.159	.238	53147	.031	(a)
51224	.216	1.45	51625	.047	(a)	51982	.047	.083	53229	.174	(a)
51230	.037	.79	51666	.084	.101	51985	.079	—	53271	.044	(a)
51240	.38	.185	51702	.14	(a)	51986	.183	.103	53333	.171	.239
51241	1.12	.26	51703	.058	(a)	51999	.077	.44	53374	.13	.31
51250	.234	(a)	51734	.109	.31	52002	.068	.129	53375	.069	.223
51251	.032	(a)	51741	.196	.26	52075	.172	.243	53376	.11	.194
51252	.114	.10	51752	.165	.165	52076	.207	(a)	53377	.113	.195
51253	.097	(a)	51767	.025	.008	52109	.017	(a)	53403	.071	(a)
51254	.03	.039	51777	.086	.078	52134	.227	.63	53425	.161	(a)
51255	.59	(a)	51790	.143	(a)	52137	.068	(a)	53565	.083	.108
51300	.118	.16	51796	.071	(a)	52150	.42	(a)	53631	.027	.022
51305	.118	.96	51808	.25	.73	52315	.112	.26	53632	.031	.034

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
53731	.028	(a)	56170	.158	(a)	57401	.056	.096	58503	.068	.076
53732	.194	.45	56171	.078	(a)	57403	.175	.035	58532	.087	(a)
53733	.126	.27	56202	.065	.089	57410	.027	.162	58559	.018	(a)
53734	.51	—	56390	.113	.64	57411	.04	(a)	58560	.043	(a)
53803	.38	(a)	56391	.097	.32	57572	.016	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.157	.125	57600	.048	.034	58575	.055	.12
53902	(a)	(a)	56488	.143	.034	57611	.085	.062	58627	.178	.013
53903	(a)	(a)	56567	.164	(a)	57625	.42	(a)	58663	.36	1.28
53904	(a)	(a)	56650	.50	(a)	57651	.051	.041	58682	.158	(a)
53905	(a)	(a)	56651	.27	(a)	57690	.11	.49	58713	.054	(a)
53907	.085	.103	56652	.195	(a)	57716	.052	.082	58737	.115	.63
53951	(a)	(a)	56653	.188	(a)	57725	.114	.088	58756	.068	(a)
53952	(a)	(a)	56654	.096	(a)	57726	.089	.021	58757	.39	(a)
53953	(a)	(a)	56690	.074	.35	57798	.026	(a)	58759	.048	(a)
54012	.051	—	56699	.072	.057	57800	.097	(a)	58802	.054	.48
54077	.117	.40	56758	.061	.148	57808	.044	(a)	58813	.167	(a)
54444	(a)	(a)	56759	.063	.08	57809	.045	(a)	58822	.149	(a)
55010	.35	1.08	56760	.09	.098	57810	.044	.107	58837	.33	.162
55011	.095	1.57	56805	.118	(a)	57871	.052	.118	58840	.10	.127
55012	.113	1.18	56806	.084	(a)	57913	.125	.29	58873	.159	.03
55013	.145	1.14	56807	.083	(a)	57997	.113	—	58903	.034	(a)
55014	(a)	(a)	56808	.109	(a)	57998	.055	.058	58904	.026	.128
55214	.092	.088	56900	.104	(a)	57999	.072	.071	58922	.27	.168
55371	.33	.119	56910	.052	(a)	58009	.072	(a)	59005	.065	.096
55410	(a)	(a)	56911	.141	(a)	58010	.129	(a)	59057	.48	(a)
55426	.176	(a)	56912	.114	.09	58020	.188	(a)	59058	.31	(a)
55597	.023	1.79	56913	.093	(a)	58056	.153	(a)	59188	.37	.055
55647	.046	.062	56915	.55	(a)	58057	.097	(a)	59189	.51	.30
55648	.021	(a)	56916	.50	.205	58058	.087	(a)	59223	.165	.088
55649	.025	(a)	56917	.144	(a)	58095	.122	1.99	59257	.017	.013
55715	.182	.224	56918	.069	(a)	58096	.162	1.23	59306	.11	(a)
55716	.26	.52	56919	.176	(a)	58301	.055	.088	59378	.107	.15
55717	.233	(a)	56920	.161	(a)	58302	.044	.055	59481	.29	.099
55718	.226	(a)	56980	.09	(a)	58397	.25	.74	59482	.39	(a)
55802	.086	.009	57001	.031	.026	58408	.067	—	59537	.116	.21
55918	.104	2.74	57002	.02	.106	58409	.085	—	59601	.111	2.37
55919	.014	3.65	57090	.26	.66	58456	.045	—	59647	.174	.17
56040	.01	.033	57146	.164	.72	58457	.066	—	59660	.204	1.18
56041	.065	(a)	57202	.08	(a)	58458	.085	—	59661	.10	(a)
56042	.082	(a)	57257	.099	.035	58459	.102	—	59693	.017	—

DIVISION SIX

PREM/OPS TERR. 502

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.51	.069	63220	(a)	—	91190	2.48	(a)
59701	.008	.29	59970	.099	.183	64074	32.60	—	91200	.96	—
59713	.183	.31	59973	.14	(a)	64075	23.00	—	91210	(a)	—
59722	.095	.031	59975	.138	.227	64500	(a)	—	91235	2.65	2.04
59723	.036	.037	59977	.079	(a)	65007	38.20	—	91250	3.99	(a)
59724	.055	.019	59984	.038	.053	66122	16.40	—	91265	20.50	1.77
59725	.068	.116	59985	.15	(a)	66123	9.03	—	91266	10.80	.73
59726	.05	.024	59986	.114	(a)	66309	26.40	—	91280	(a)	2.18
59738	.158	.064	59988	.035	.059	66561	61.10	—	91302	10.70	(a)
59750	.086	.222	59989	.02	.044	67017	56.70	—	91315	3.25	—
59751	.031	(a)	60010	22.90	—	67508	25.60	—	91324	7.25	(a)
59773	.022	.028	60011	26.40	—	67509	18.80	—	91325	(a)	(a)
59774	.018	.15	60012	43.30	—	67510	10.50	—	91340	4.73	7.33
59775	.023	.188	60013	37.10	—	67511	11.30	—	91341	5.28	4.05
59781	.075	.068	60015	27.70	—	67512	48.50	—	91342	4.34	2.63
59782	.111	.46	60016	31.20	—	67513	30.80	—	91343	1.16	1.66
59783	.109	(a)	60035	43.10	—	67634	49.10	—	91405	5.51	—
59784	.083	(a)	61000	22.70	—	67635	34.70	—	91436	5.97	1.74
59790	.122	(a)	61212	23.10	—	68001	106.00	—	91481	21.80	—
59798	.28	.50	61216	25.70	—	68439	136.00	—	91507	3.21	2.62
59806	.203	(a)	61217	23.40	—	68500	5.04	—	91523	49.50	—
59867	.137	(a)	61218	16.00	—	68604	2.55	—	91547	.28	—
59886	.019	.108	61223	108.00	—	68606	9.95	—	91551	1.75	.66
59889	.073	.165	61224	38.20	—	68607	7.87	—	91555	1.60	.98
59892	.109	(a)	61225	53.00	—	68702	6.48	—	91560	5.98	3.57
59904	.073	.061	61226	84.50	—	68703	4.86	—	91562	3.89	—
59905	.086	.132	61227	77.30	—	68706	20.80	—	91577	13.90	2.66
59914	.51	.68	62000	17.60	—	68707	20.60	—	91580	7.90	—
59915	.244	.75	62001	13.20	—	90089	5.05	—	91581	(a)	(a)
59917	.045	.205	62002	6.02	—	91111	3.42	7.34	91582	(a)	(a)
59923	.012	.004	62003	19.00	—	91125	3.04	1.18	91583	(a)	(a)
59925	.46	1.19	63010	41.30	—	91127	2.30	.92	91584	(a)	(a)
59926	.39	.45	63011	51.60	—	91130	1.68	—	91585	(a)	(a)
59927	.26	1.42	63012	73.40	—	91135	.47	(a)	91586	(a)	(a)
59931	.227	.55	63013	69.50	—	91150	2.17	5.27	91587	(a)	(a)
59932	.245	.88	63215	62.70	—	91155	4.82	36.20	91588	(a)	(a)
59941	.076	(a)	63216	43.50	—	91160	1.22	—	91589	(a)	(a)
59947	.073	.32	63217	52.20	—	91175	1.05	—	91590	4.04	—
59955	.029	.143	63218	17.60	—	91177	4.60	—	91591	(a)	(a)
59963	.217	.41	63219	(a)	—	91179	4.62	—	91606	16.40	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91618	(a)	(a)	95357	1.68	—	97653	3.66	2.42	98426	2.97	(a)
91629	3.35	(a)	95358	(a)	—	97654	6.39	2.53	98427	2.89	—
91636	5.74	—	95410	5.19	2.50	97655	6.28	3.61	98428	(a)	—
91641	1.56	(a)	95455	6.94	1.20	98002	1.14	.90	98429	1.50	—
91666	1.09	(a)	95487	2.78	(a)	98003	1.15	(a)	98430	(a)	—
91722	5.03	(a)	95505	3.23	2.09	98090	.154	—	98449	4.15	18.70
91746	3.89	5.60	95620	2.25	(a)	98091	.167	—	98482	4.45	4.40
91805	.244	—	95625	5.12	3.19	98092	.51	—	98483	6.58	13.70
92053	.60	.58	95630	(a)	(a)	98111	.67	—	98502	6.29	3.88
92054	.207	.216	95647	3.20	6.36	98150	(a)	—	98555	2.93	—
92055	5.77	.224	95648	(a)	(a)	98151	(a)	—	98597	.66	—
92101	9.02	2.66	96053	2.43	3.45	98152	3.83	.51	98598	.225	—
92102	5.43	2.81	96317	1.74	—	98153	4.31	(a)	98601	7.53	(a)
92215	3.80	2.72	96408	4.49	9.33	98154	5.09	(a)	98622	(a)	—
92338	2.09	1.83	96409	4.15	6.43	98155	7.12	(a)	98623	(a)	—
92445	3.29	—	96410	3.64	7.55	98156	(a)	(a)	98624	1.18	—
92446	6.86	1.44	96611	1.08	1.34	98157	4.55	.29	98636	3.26	3.38
92447	5.99	1.16	96702	5.17	(a)	98158	(a)	(a)	98640	130.00	—
92451	2.65	2.26	96703	(a)	—	98159	3.05	(a)	98658	7.36	—
92453	3.79	—	96816	4.85	—	98160	6.46	(a)	98659	1.32	.32
92478	1.88	1.39	96872	6.16	(a)	98161	7.24	(a)	98677	20.50	8.39
92593	34.80	—	96930	(a)	—	98162	(a)	(a)	98678	18.20	13.30
92663	.78	—	97002	(a)	(a)	98163	7.60	.17	98698	(a)	(a)
94007	12.90	4.76	97003	(a)	(a)	98164	2.24	.055	98699	5.92	(a)
94099	2.93	—	97047	3.30	—	98257	1.73	—	98705	10.40	—
94225	10.30	—	97050	2.56	—	98303	14.30	4.78	98710	4.11	—
94276	5.37	4.70	97111	6.20	—	98304	6.41	3.43	98751	5.56	—
94304	3.39	(a)	97220	.45	(a)	98305	2.65	1.36	98805	5.37	1.21
94381	6.36	9.19	97221	(a)	1.11	98306	6.81	.76	98806	3.04	3.07
94404	5.09	3.06	97222	1.76	1.96	98307	2.03	.43	98810	3.73	—
94444	(a)	(a)	97223	2.65	4.86	98308	1.33	.93	98813	3.60	1.53
94569	3.44	3.25	97308	.84	—	98309	7.18	2.06	98820	10.30	2.72
94590	14.80	—	97447	2.75	4.50	98344	.74	.75	98871	(a)	(a)
94617	4.68	—	97501	(a)	—	98405	1.22	—	98884	2.67	1.44
94638	(a)	—	97502	(a)	—	98413	16.90	(a)	98914	.90	.47
95124	1.73	1.07	97503	(a)	—	98414	15.40	(a)	98949	1.26	.238
95233	3.70	—	97504	(a)	—	98415	2.03	(a)	98967	4.19	6.70
95305	4.02	—	97650	4.28	3.55	98423	4.83	(a)	98993	6.23	4.00
95306	6.58	—	97651	8.14	3.37	98424	8.19	(a)	99003	1.99	1.17
95310	9.60	.66	97652	7.06	3.41	98425	3.36	(a)	99004	2.99	1.56

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.41	6.73	99826	.74	.55						
99081	(a)	—	99827	.51	.56						
99082	(a)	—	99851	2.07	—						
99083	(a)	—	99917	3.34	—						
99084	(a)	(a)	99938	3.76	—						
99085	(a)	(a)	99943	10.90	—						
99111	2.05	—	99946	8.12	2.14						
99160	(a)	—	99948	7.51	20.10						
99163	4.88	.27	99952	5.47	14.00						
99165	1.07	(a)	99953	5.90	8.35						
99220	1.97	(a)	99954	4.30	11.10						
99221	(a)	(a)	99955	5.38	5.03						
99222	3.71	(a)	99963	.81	—						
99223	.30	(a)	99969	3.59	2.84						
99303	16.40	—	99975	4.77	—						
99310	4.10	(a)	99986	(a)	—						
99315	12.00	1.30	99987	(a)	—						
99321	11.70	1.93	99988	3.17	—						
99445	(a)	(a)									
99471	.90	—									
99505	5.27	—									
99506	6.49	—									
99507	5.66	—									
99570	3.04	(a)									
99571	.73	(a)									
99572	1.44	(a)									
99573	1.37	(a)									
99600	1.30	—									
99613	10.40	1.67									
99614	2.91	—									
99620	.56	—									
99650	1.44	.95									
99709	3.55	(a)									
99718	1.65	—									
99746	2.80	2.95									
99760	.32	—									
99777	6.47	—									
99793	3.55	—									
99798	(a)	(a)									
99803	(a)	7.12									

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.153	.195	10205	.30	—	11210	3.41	—	13207	(a)	(a)
10015	8.50	—	10220	5.66	—	11211	17.70	—	13208	(a)	(a)
10020	(a)	(a)	10255	.29	.147	11212	2.68	—	13314	.144	.016
10026	.78	.022	10256	1.05	.152	11213	2.19	—	13351	.35	.046
10036	.77	(a)	10257	.198	.169	11214	5.39	—	13352	.36	.037
10040	.116	.30	10309	.194	.019	11222	.091	—	13410	1.65	2.99
10042	.44	.29	10315	.46	(a)	11234	.34	.046	13411	(a)	(a)
10052	5.88	—	10331	11.50	—	11248	.054	.018	13412	.56	1.14
10054	5.22	—	10332	19.90	—	11258	1.33	.219	13453	.64	(a)
10060	.213	.048	10352	.64	.046	11259	1.43	.142	13454	.75	(a)
10065	.32	.034	10367	4.56	—	11273	16.80	—	13455	.76	(a)
10066	.33	.06	10368	6.67	—	11274	16.10	—	13461	(a)	(a)
10070	.087	.154	10375	(a)	—	11288	1.63	.106	13506	1.10	.048
10071	.38	.096	10378	11.70	—	12014	.117	.036	13507	1.33	.096
10072	5.16	—	10379	5.42	—	12356	1.42	.03	13590	.57	.74
10073	1.20	.47	10380	9.25	—	12361	.117	.077	13621	.143	.32
10075	8.92	.152	10381	8.01	—	12362	.096	(a)	13670	.066	.015
10100	1.11	.06	11007	1.94	—	12373	.036	.024	13673	1.01	.014
10101	.29	.181	11020	.36	.136	12374	.74	.087	13715	.096	.165
10105	3.12	—	11039	1.04	.095	12375	.36	.04	13716	.54	.084
10107	3.68	.32	11052	3.34	—	12391	.072	.082	13720	.57	.073
10110	28.90	—	11101	(a)	(a)	12393	.48	(a)	13759	.213	.128
10111	.191	.078	11120	(a)	—	12467	.20	(a)	13930	.204	.201
10113	.43	—	11126	.075	.022	12509	.072	.036	14068	.047	.014
10115	.86	.078	11127	.49	.008	12510	.91	.025	14101	.55	.051
10117	8.45	—	11128	.66	.066	12583	.40	(a)	14279	.55	.05
10119	(a)	—	11138	2.88	—	12651	1.18	.53	14401	1.34	.084
10120	18.90	—	11155	.26	—	12683	.54	(a)	14405	1.14	—
10130	4.25	—	11160	(a)	(a)	12707	.63	.64	14527	.39	.189
10132	3.66	—	11167	.77	—	12797	.132	.196	14655	.106	—
10133	3.21	—	11168	3.99	—	12805	.39	.071	14731	3.31	—
10135	(a)	—	11201	17.00	—	12841	.64	—	14732	.245	—
10140	.054	.021	11202	5.02	—	12927	.113	—	14733	.74	—
10141	.108	.023	11203	1.13	.52	13049	.061	.057	14734	.32	—
10145	.52	.011	11204	.38	1.19	13111	1.23	.093	14855	.25	.154
10146	.49	.021	11205	(a)	—	13112	.10	.063	14913	.40	.157
10150	.59	(a)	11206	.79	—	13201	1.04	.16	15060	(a)	(a)
10151	15.00	—	11207	9.95	—	13204	1.18	1.45	15061	(a)	(a)
10160	2.67	—	11208	1.71	—	13205	.45	.46	15062	.226	(a)
10204	.27	—	11209	8.01	—	13206	(a)	(a)	15063	.26	(a)

DIVISION SIX

PREM/OPS TERR. 503

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.153	—	16750	.125	.032	18707	.014	.004	40117	(a)	—
15119	(a)	—	16751	.125	—	18708	.138	.017	40140	(a)	—
15120	(a)	—	16819	1.37	(a)	18833	.172	(a)	41001	.32	—
15123	3.20	—	16820	1.06	(a)	18834	.36	.107	41210	(a)	—
15124	1.12	—	16881	1.96	(a)	18911	1.13	.019	41421	.35	—
15188	.40	(a)	16890	.16	(a)	18912	2.12	.033	41422	.185	—
15223	.077	.041	16891	.175	(a)	18920	.55	.019	41510	56.60	—
15224	.60	.084	16892	.32	(a)	18991	(a)	—	41603	16.40	—
15300	(a)	—	16900	3.07	.083	19007	1.25	—	41604	9.02	—
15314	.26	(a)	16901	1.97	.124	19051	2.78	—	41620	1.42	—
15404	.103	(a)	16902	1.67	.088	19061	(a)	—	41650	23.10	—
15405	.152	(a)	16905	3.23	.083	19795	.37	(a)	41664	40.10	—
15406	.39	.048	16906	2.06	.124	19796	.43	—	41665	4.70	—
15488	.96	(a)	16910	1.84	.066	40005	(a)	—	41666	(a)	—
15538	.46	.019	16911	1.67	.069	40006	(a)	—	41667	110.00	—
15600	1.15	.091	16915	1.89	.057	40010	(a)	—	41668	103.00	—
15607	.20	—	16916	1.57	.067	40015	(a)	—	41669	.72	—
15608	.26	.01	16920	4.19	.136	40020	(a)	—	41670	1.21	—
15656	7.58	—	16921	3.83	.053	40026	(a)	—	41672	(a)	—
15699	.49	—	16930	2.41	.169	40031	(a)	—	41673	(a)	—
15733	.25	.037	16931	2.60	.068	40032	(a)	—	41675	(a)	—
15839	.34	.024	16940	5.23	.053	40040	(a)	—	41677	.29	—
15991	.28	.059	16941	2.09	.085	40041	(a)	—	41678	51.30	—
15993	.238	.034	18078	.174	.134	40042	(a)	—	41679	(a)	(a)
16005	.051	.034	18109	.47	.03	40045	265.00	—	41680	12.00	—
16009	.31	.094	18110	.38	.028	40046	52.40	—	41696	.93	—
16402	1.70	—	18200	(a)	—	40047	18.70	—	41697	.65	—
16403	1.08	.169	18205	.27	.35	40059	6.69	—	41700	(a)	—
16404	1.36	—	18206	.61	.115	40061	3.55	—	41715	7.64	—
16471	.28	—	18335	.44	.015	40063	119.00	—	41716	4.86	—
16501	.107	(a)	18435	1.17	.077	40064	34.90	—	43007	(a)	—
16527	.165	.35	18436	.94	.138	40066	(a)	—	43117	(a)	—
16588	.143	(a)	18437	.63	(a)	40067	(a)	—	43151	15.70	—
16604	.24	.146	18438	1.20	(a)	40069	(a)	—	43152	15.30	—
16670	4.79	—	18501	1.07	.01	40072	(a)	—	43200	59.80	—
16676	.36	.014	18506	.50	.006	40075	31.60	—	43215	(a)	—
16694	.48	(a)	18507	.225	.007	40101	19.40	—	43421	16.40	—
16705	.31	.148	18570	2.35	—	40102	17.10	—	43422	86.00	—
16722	(a)	—	18575	(a)	(a)	40111	9.40	—	43424	(a)	—
16723	(a)	—	18616	.38	.59	40115	(a)	—	43470	5.41	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43517	(a)	—	44277	52.00	—	46004	22.00	—	47471	3.01	—
43518	17.20	—	44280	.29	—	46005	17.60	—	47473	3.93	—
43550	58.40	—	44311	8.88	—	46112	.076	—	47474	4.40	—
43551	32.40	—	44315	5.97	—	46202	3.59	—	47475	3.47	—
43626	13.80	—	44427	70.10	—	46362	179.00	—	47476	3.47	—
43628	179.00	—	44428	70.50	—	46426	26.10	—	47477	4.63	—
43629	151.00	—	44429	1.06	—	46427	34.90	—	47478	4.86	—
43754	(a)	—	44430	.73	—	46510	(a)	—	47600	(a)	—
43760	5.04	—	44431	2.35	—	46590	(a)	—	47610	(a)	—
43822	4.31	—	44432	.74	—	46603	2.19	—	48039	42.40	—
43840	.053	—	44433	23.70	—	46604	2.53	—	48177	(a)	—
43860	3.39	—	44434	45.30	—	46606	6.75	—	48178	(a)	—
43889	1.21	—	44435	46.90	—	46607	9.27	—	48206	36.40	—
43945	(a)	—	44436	54.80	—	46622	12.60	—	48252	(a)	—
43946	(a)	—	44437	45.40	—	46671	(a)	—	48441	.153	—
43990	(a)	(a)	44438	35.90	—	46700	120.00	—	48557	15.30	—
43991	(a)	—	44439	69.90	—	46773	(a)	—	48558	13.30	—
44009	3.91	—	44440	57.80	—	46822	(a)	—	48600	52.30	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	14.70	—	44501	(a)	—	46882	(a)	—	48636	1.21	(a)
44070	4.35	—	45190	2.83	—	46911	27.20	—	48637	11.70	—
44071	4.84	—	45191	2.01	—	46912	49.80	—	48638	5.79	—
44072	3.34	—	45192	2.35	—	46913	(a)	—	48727	(a)	—
44100	2.17	—	45193	1.39	—	46914	(a)	—	48808	1.94	—
44101	2.26	—	45210	1.75	—	46915	(a)	—	48924	(a)	—
44102	1.77	—	45224	(a)	—	46916	(a)	—	48925	279.00	—
44103	1.56	—	45225	(a)	—	47050	1.18	—	49005	.20	—
44104	.66	—	45334	34.50	—	47051	(a)	—	49111	2.97	—
44105	(a)	—	45380	.29	(a)	47052	(a)	—	49181	13.80	—
44106	(a)	—	45450	10.10	—	47103	(a)	—	49183	16.90	—
44108	.77	—	45523	(a)	—	47146	(a)	—	49184	35.60	—
44109	1.95	—	45524	(a)	—	47147	(a)	—	49185	32.40	—
44110	1.99	—	45539	(a)	—	47221	132.00	—	49239	.22	.60
44111	1.22	—	45678	.32	—	47253	(a)	—	49292	1.01	—
44112	.72	—	45771	.45	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.146	.073	47318	11.20	—	49333	7.43	—
44193	(a)	—	45900	.131	.055	47367	.29	—	49451	(a)	—
44194	(a)	—	45901	.113	.049	47420	2.45	—	49452	(a)	—
44222	(a)	—	45937	.135	—	47468	(a)	—	49617	.26	.131
44276	80.20	—	45993	(a)	(a)	47469	3.47	—	49618	.221	.048

DIVISION SIX

PREM/OPS TERR. 503

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.42	.074	51315	.143	.106	51809	.30	.153	52341	.035	(a)
49763	2.71	—	51330	.074	.53	51833	.108	.06	52342	.10	(a)
49800	(a)	—	51333	.024	.34	51850	.178	(a)	52343	.061	(a)
49801	116.00	—	51340	.029	(a)	51851	.121	(a)	52401	.189	(a)
49802	10.30	—	51350	.167	.135	51852	.28	(a)	52402	.016	(a)
49803	18.20	—	51351	.149	.042	51853	.114	(a)	52432	.081	(a)
49840	1.21	—	51352	.205	.108	51854	.26	(a)	52433	.074	1.02
49870	117.00	—	51355	.14	.094	51855	.27	(a)	52435	.092	(a)
49890	(a)	—	51356	.15	.62	51856	.147	(a)	52438	.067	(a)
49891	(a)	—	51357	.203	.66	51857	.25	(a)	52440	.105	(a)
49902	(a)	—	51358	.49	.141	51869	.08	.136	52467	.097	(a)
49903	(a)	—	51359	.43	.78	51877	.45	.212	52469	.034	.104
50010	.174	.49	51370	.35	4.57	51889	.074	.012	52505	.169	.216
50015	.113	(a)	51380	.035	.044	51896	.035	.018	52547	.164	.078
50017	.086	(a)	51400	.173	(a)	51900	.081	.095	52581	.82	2.95
50045	.197	(a)	51401	.25	(a)	51909	.161	.056	52619	.058	(a)
50047	.022	(a)	51500	.066	.119	51919	.075	(a)	52660	.105	—
51001	.041	.45	51516	.088	—	51926	.076	.038	52744	.41	.081
51005	.009	(a)	51517	.10	—	51927	.041	.131	52767	.15	(a)
51116	.105	.69	51550	.082	.39	51934	.083	.125	52876	(a)	(a)
51201	.03	(a)	51551	.028	.91	51941	.076	.041	52911	.046	.45
51205	.091	.071	51552	.049	.159	51942	.121	—	52967	.017	.062
51206	.014	.39	51553	.087	(a)	51956	.33	.221	53001	.169	.33
51210	.073	(a)	51554	.008	(a)	51957	.29	.42	53077	.081	.207
51211	(a)	(a)	51575	.045	.02	51958	.26	.41	53095	.056	(a)
51220	.249	2.28	51576	.157	.093	51959	.26	(a)	53096	.077	(a)
51221	.138	1.78	51600	.107	.191	51960	.035	.35	53121	.22	.44
51222	.168	3.67	51613	.07	.139	51970	.15	.238	53147	.025	(a)
51224	.176	1.45	51625	.038	(a)	51982	.044	.083	53229	.142	(a)
51230	.03	.79	51666	.071	.101	51985	.082	—	53271	.041	(a)
51240	.36	.185	51702	.114	(a)	51986	.174	.103	53333	.139	.239
51241	1.06	.26	51703	.047	(a)	51999	.073	.44	53374	.109	.31
51250	.191	(a)	51734	.089	.31	52002	.064	.129	53375	.058	.223
51251	.031	(a)	51741	.186	.26	52075	.14	.243	53376	.093	.194
51252	.108	.10	51752	.157	.165	52076	.169	(a)	53377	.095	.195
51253	.092	(a)	51767	.021	.008	52109	.016	(a)	53403	.06	(a)
51254	.029	.039	51777	.072	.078	52134	.215	.63	53425	.131	(a)
51255	.48	(a)	51790	.12	(a)	52137	.055	(a)	53565	.07	.108
51300	.099	.16	51796	.068	(a)	52150	.40	(a)	53631	.026	.022
51305	.099	.96	51808	.241	.73	52315	.094	.26	53632	.029	.034

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
53731	.027	(a)	56170	.129	(a)	57401	.054	.096	58503	.064	.076
53732	.184	.45	56171	.063	(a)	57403	.147	.035	58532	.083	(a)
53733	.12	.27	56202	.062	.089	57410	.026	.162	58559	.017	(a)
53734	.53	—	56390	.107	.64	57411	.032	(a)	58560	.041	(a)
53803	.31	(a)	56391	.092	.32	57572	.015	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.149	.125	57600	.045	.034	58575	.053	.12
53902	(a)	(a)	56488	.12	.034	57611	.069	.062	58627	.169	.013
53903	(a)	(a)	56567	.134	(a)	57625	.40	(a)	58663	.30	1.28
53904	(a)	(a)	56650	.41	(a)	57651	.048	.041	58682	.15	(a)
53905	(a)	(a)	56651	.222	(a)	57690	.09	.49	58713	.046	(a)
53907	.081	.103	56652	.159	(a)	57716	.043	.082	58737	.109	.63
53951	(a)	(a)	56653	.153	(a)	57725	.093	.088	58756	.055	(a)
53952	(a)	(a)	56654	.078	(a)	57726	.073	.021	58757	.37	(a)
53953	(a)	(a)	56690	.062	.35	57798	.025	(a)	58759	.045	(a)
54012	.053	—	56699	.068	.057	57800	.092	(a)	58802	.051	.48
54077	.111	.40	56758	.058	.148	57808	.036	(a)	58813	.136	(a)
54444	(a)	(a)	56759	.059	.08	57809	.037	(a)	58822	.142	(a)
55010	.33	1.08	56760	.085	.098	57810	.036	.107	58837	.27	.162
55011	.09	1.57	56805	.112	(a)	57871	.043	.118	58840	.082	.127
55012	.107	1.18	56806	.079	(a)	57913	.119	.29	58873	.13	.03
55013	.119	1.14	56807	.079	(a)	57997	.118	—	58903	.032	(a)
55014	(a)	(a)	56808	.103	(a)	57998	.053	.058	58904	.025	.128
55214	.087	.088	56900	.099	(a)	57999	.059	.071	58922	.216	.168
55371	.28	.119	56910	.049	(a)	58009	.059	(a)	59005	.062	.096
55410	(a)	(a)	56911	.115	(a)	58010	.122	(a)	59057	.46	(a)
55426	.144	(a)	56912	.093	.09	58020	.158	(a)	59058	.29	(a)
55597	.022	1.79	56913	.076	(a)	58056	.145	(a)	59188	.31	.055
55647	.044	.062	56915	.45	(a)	58057	.092	(a)	59189	.43	.30
55648	.02	(a)	56916	.41	.205	58058	.082	(a)	59223	.135	.088
55649	.023	(a)	56917	.117	(a)	58095	.116	1.99	59257	.017	.013
55715	.173	.224	56918	.056	(a)	58096	.154	1.23	59306	.104	(a)
55716	.25	.52	56919	.144	(a)	58301	.045	.088	59378	.088	.15
55717	.19	(a)	56920	.131	(a)	58302	.041	.055	59481	.28	.099
55718	.184	(a)	56980	.086	(a)	58397	.241	.74	59482	.33	(a)
55802	.072	.009	57001	.029	.026	58408	.069	—	59537	.094	.21
55918	.099	2.74	57002	.019	.106	58409	.088	—	59601	.105	2.37
55919	.013	3.65	57090	.211	.66	58456	.047	—	59647	.146	.17
56040	.009	.033	57146	.134	.72	58457	.068	—	59660	.194	1.18
56041	.062	(a)	57202	.076	(a)	58458	.088	—	59661	.095	(a)
56042	.077	(a)	57257	.094	.035	58459	.106	—	59693	.016	—

DIVISION SIX

PREM/OPS TERR. 503

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.48	.069	63220	(a)	—	91190	2.48	(a)
59701	.008	.29	59970	.081	.183	64074	20.00	—	91200	.96	—
59713	.173	.31	59973	.133	(a)	64075	14.10	—	91210	(a)	—
59722	.09	.031	59975	.113	.227	64500	(a)	—	91235	2.65	2.04
59723	.034	.037	59977	.064	(a)	65007	27.80	—	91250	3.99	(a)
59724	.052	.019	59984	.036	.053	66122	12.00	—	91265	20.50	1.77
59725	.065	.116	59985	.142	(a)	66123	6.58	—	91266	10.80	.73
59726	.047	.024	59986	.109	(a)	66309	19.20	—	91280	(a)	2.18
59738	.15	.064	59988	.029	.059	66561	44.50	—	91302	10.70	(a)
59750	.07	.222	59989	.019	.044	67017	41.30	—	91315	3.25	—
59751	.025	(a)	60010	14.10	—	67508	27.80	—	91324	7.25	(a)
59773	.019	.028	60011	16.20	—	67509	20.40	—	91325	(a)	(a)
59774	.015	.15	60012	26.70	—	67510	11.30	—	91340	4.73	7.33
59775	.02	.188	60013	22.90	—	67511	12.30	—	91341	5.28	4.05
59781	.061	.068	60015	17.10	—	67512	52.50	—	91342	4.34	2.63
59782	.091	.46	60016	19.20	—	67513	33.30	—	91343	1.16	1.66
59783	.089	(a)	60035	31.40	—	67634	35.80	—	91405	5.51	—
59784	.068	(a)	61000	14.00	—	67635	25.30	—	91436	5.97	1.74
59790	.116	(a)	61212	16.90	—	68001	77.20	—	91481	21.80	—
59798	.231	.50	61216	18.70	—	68439	99.30	—	91507	3.21	2.62
59806	.166	(a)	61217	17.00	—	68500	3.11	—	91523	49.50	—
59867	.13	(a)	61218	11.60	—	68604	1.85	—	91547	.28	—
59886	.018	.108	61223	78.60	—	68606	7.25	—	91551	1.75	.66
59889	.061	.165	61224	27.80	—	68607	5.73	—	91555	1.60	.98
59892	.089	(a)	61225	38.60	—	68702	4.72	—	91560	5.98	3.57
59904	.06	.061	61226	61.60	—	68703	3.54	—	91562	3.89	—
59905	.082	.132	61227	56.30	—	68706	15.20	—	91577	13.90	2.66
59914	.48	.68	62000	12.80	—	68707	15.00	—	91580	7.90	—
59915	.199	.75	62001	9.61	—	90089	5.05	—	91581	(a)	(a)
59917	.037	.205	62002	4.38	—	91111	3.42	7.34	91582	(a)	(a)
59923	.012	.004	62003	13.80	—	91125	3.04	1.18	91583	(a)	(a)
59925	.44	1.19	63010	25.40	—	91127	2.30	.92	91584	(a)	(a)
59926	.37	.45	63011	31.80	—	91130	1.68	—	91585	(a)	(a)
59927	.25	1.42	63012	45.20	—	91135	.47	(a)	91586	(a)	(a)
59931	.215	.55	63013	42.80	—	91150	2.17	5.27	91587	(a)	(a)
59932	.232	.88	63215	45.70	—	91155	4.82	36.20	91588	(a)	(a)
59941	.072	(a)	63216	31.70	—	91160	1.22	—	91589	(a)	(a)
59947	.06	.32	63217	53.20	—	91175	1.05	—	91590	4.04	—
59955	.028	.143	63218	17.90	—	91177	4.60	—	91591	(a)	(a)
59963	.206	.41	63219	(a)	—	91179	4.62	—	91606	16.40	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91618	(a)	(a)	95357	1.68	—	97653	3.66	2.42	98426	2.97	(a)
91629	3.35	(a)	95358	(a)	—	97654	6.39	2.53	98427	2.89	—
91636	5.74	—	95410	5.19	2.50	97655	6.28	3.61	98428	(a)	—
91641	1.56	(a)	95455	6.94	1.20	98002	1.14	.90	98429	1.50	—
91666	1.09	(a)	95487	2.78	(a)	98003	1.15	(a)	98430	(a)	—
91722	5.03	(a)	95505	3.23	2.09	98090	.154	—	98449	4.15	18.70
91746	3.89	5.60	95620	2.25	(a)	98091	.167	—	98482	4.45	4.40
91805	.244	—	95625	5.12	3.19	98092	.51	—	98483	6.58	13.70
92053	.60	.58	95630	(a)	(a)	98111	.67	—	98502	6.29	3.88
92054	.207	.216	95647	3.20	6.36	98150	(a)	—	98555	2.93	—
92055	5.77	.224	95648	(a)	(a)	98151	(a)	—	98597	.66	—
92101	9.02	2.66	96053	2.43	3.45	98152	3.83	.51	98598	.225	—
92102	5.43	2.81	96317	1.74	—	98153	4.31	(a)	98601	7.53	(a)
92215	3.80	2.72	96408	4.49	9.33	98154	5.09	(a)	98622	(a)	—
92338	2.09	1.83	96409	4.15	6.43	98155	7.12	(a)	98623	(a)	—
92445	3.29	—	96410	3.64	7.55	98156	(a)	(a)	98624	1.18	—
92446	6.86	1.44	96611	1.08	1.34	98157	4.55	.29	98636	3.26	3.38
92447	5.99	1.16	96702	5.17	(a)	98158	(a)	(a)	98640	130.00	—
92451	2.65	2.26	96703	(a)	—	98159	3.05	(a)	98658	7.36	—
92453	3.79	—	96816	4.85	—	98160	6.46	(a)	98659	1.32	.32
92478	1.88	1.39	96872	6.16	(a)	98161	7.24	(a)	98677	20.50	8.39
92593	34.80	—	96930	(a)	—	98162	(a)	(a)	98678	18.20	13.30
92663	.78	—	97002	(a)	(a)	98163	7.60	.17	98698	(a)	(a)
94007	12.90	4.76	97003	(a)	(a)	98164	2.24	.055	98699	5.92	(a)
94099	2.93	—	97047	3.30	—	98257	1.73	—	98705	10.40	—
94225	10.30	—	97050	2.56	—	98303	14.30	4.78	98710	4.11	—
94276	5.37	4.70	97111	6.20	—	98304	6.41	3.43	98751	5.56	—
94304	3.39	(a)	97220	.45	(a)	98305	2.65	1.36	98805	5.37	1.21
94381	6.36	9.19	97221	(a)	1.11	98306	6.81	.76	98806	3.04	3.07
94404	5.09	3.06	97222	1.76	1.96	98307	2.03	.43	98810	3.73	—
94444	(a)	(a)	97223	2.65	4.86	98308	1.33	.93	98813	3.60	1.53
94569	3.44	3.25	97308	.84	—	98309	7.18	2.06	98820	10.30	2.72
94590	14.80	—	97447	2.75	4.50	98344	.74	.75	98871	(a)	(a)
94617	4.68	—	97501	(a)	—	98405	1.22	—	98884	2.67	1.44
94638	(a)	—	97502	(a)	—	98413	16.90	(a)	98914	.90	.47
95124	1.73	1.07	97503	(a)	—	98414	15.40	(a)	98949	1.26	.238
95233	3.70	—	97504	(a)	—	98415	2.03	(a)	98967	4.19	6.70
95305	4.02	—	97650	4.28	3.55	98423	4.83	(a)	98993	6.23	4.00
95306	6.58	—	97651	8.14	3.37	98424	8.19	(a)	99003	1.99	1.17
95310	9.60	.66	97652	7.06	3.41	98425	3.36	(a)	99004	2.99	1.56

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.41	6.73	99826	.74	.55						
99081	(a)	—	99827	.51	.56						
99082	(a)	—	99851	2.07	—						
99083	(a)	—	99917	3.34	—						
99084	(a)	(a)	99938	3.76	—						
99085	(a)	(a)	99943	10.90	—						
99111	2.05	—	99946	8.12	2.14						
99160	(a)	—	99948	7.51	20.10						
99163	4.88	.27	99952	5.47	14.00						
99165	1.07	(a)	99953	5.90	8.35						
99220	1.97	(a)	99954	4.30	11.10						
99221	(a)	(a)	99955	5.38	5.03						
99222	3.71	(a)	99963	.81	—						
99223	.30	(a)	99969	3.59	2.84						
99303	16.40	—	99975	4.77	—						
99310	4.10	(a)	99986	(a)	—						
99315	12.00	1.30	99987	(a)	—						
99321	11.70	1.93	99988	3.17	—						
99445	(a)	(a)									
99471	.90	—									
99505	5.27	—									
99506	6.49	—									
99507	5.66	—									
99570	3.04	(a)									
99571	.73	(a)									
99572	1.44	(a)									
99573	1.37	(a)									
99600	1.30	—									
99613	10.40	1.67									
99614	2.91	—									
99620	.56	—									
99650	1.44	.95									
99709	3.55	(a)									
99718	1.65	—									
99746	2.80	2.95									
99760	.32	—									
99777	6.47	—									
99793	3.55	—									
99798	(a)	(a)									
99803	(a)	7.12									