

LOSS COSTS – IMPLEMENTATION

OCTOBER 2, 2020

GENERAL LIABILITY

LI-GL-2020-186

MINNESOTA GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

KEY MESSAGE

Revised overall prospective loss costs for +4.5% to be implemented.

BACKGROUND

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

CONSIDERATION OF COVID-19

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

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

ISO ACTION

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

SUPPLEMENTARY INFORMATION

We are including the following supplementary information:

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

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

EFFECTIVE DATE

We do not establish an effective date for Commercial General Liability loss cost revisions in this state. Each insurer that elects to utilize this revision is responsible for determining its own effective date.

IMPACT ON THE STATISTICAL REPORTING OF LOSS COST MULTIPLIER

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

COMPANY ACTION

You must independently determine the final rates you will use and the effective date of any rate change. If you decide to use our prospective loss costs to revise your rates, you are NOT required to file anything with the Insurance Department.

You must document your files in case the Insurance Department wishes to review the information at a later date. In all correspondence on this revision, you should refer to ISO Filing Number GL-2020-BGL1, NOT this circular number.

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 4-21 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

RELATED RULES REVISION

We are announcing in a separate circular the filing and implementation of a corresponding rules revision. Please refer to the Reference(s) block for identification of that circular.

REFERENCE(S)

- [LI-GL-2020-187](#) (10/02/2020) Minnesota General Liability Rule 24. Revision Filed And To Be Implemented
- [LI-GL-2020-151](#) (09/09/2020) General Liability Basic Limit Experience For 2020 Group 4 Jurisdictions Reviewed By Staff
- [LI-CL-2019-057](#) (12/10/2019) Revised Lead Time Requirements Listing

ATTACHMENT(S)

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

FILES AVAILABLE FOR DOWNLOAD

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

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

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DATA QUALITY

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

ACKNOWLEDGMENT OF ACTUARIAL QUALIFICATIONS

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

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

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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.

MINNESOTA 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 +4.5% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.
 - provides the analyses used to derive these advisory loss costs.
-

DEFINITION OF
THE ISO
ADVISORY
PROSPECTIVE
LOSS COSTS

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

CONSIDERATION
OF COVID-19

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

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

LOSS COST
LEVEL CHANGES

The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>	<u>ADJUSTED *</u>
M&C	+ 0.3%	+ 0.3%	+ 0.3%
OL&T	+ 13.0%	+ 13.0%	+ 11.8%
Premises/Operations	+ 6.8%	+ 6.8%	+ 6.2%
Products	- 0.2%	- 0.2%	- 0.2%
Local Products/Completed Operations	+ 0.8%	+ 0.8%	+ 0.8%
Products/Completed Operations	+ 0.5%	+ 0.5%	+ 0.5%
GL Overall	+ 5.0%	+ 5.0%	+ 4.5%

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

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

INDICATED
VS. SELECTED
VS. ADJUSTED

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

CAPPING

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

PRIOR ISO
REVISIONS

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

REVISION OF
EXECUTIVE
OFFICERS,
INDIVIDUAL
INSUREDS AND
CO-PARTNERS
PAYROLL
AMOUNTS
(RULE 24)

This filing reflects revisions being made to Rule 24 in the companion rule filing GL-2020-RBOP. In determining the exposure amounts for payroll-based risks, the payroll amounts to be used for executive officers, individual insureds and co-partners are subject to Rule 24.E.2.m. In the companion rule filing the current payroll amounts are being increased by 25% relative to the current amounts for this state. An offset of 0.991 has been applied to the loss costs for payroll-based classes to introduce the change on a revenue neutral basis.

HISTORICAL
SOURCE DATA

The data used in this document is:

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

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

ADJUSTMENTS
TO REPORTED
EXPERIENCE

The period of use for this revision is anticipated to begin on 4/1/2021. The Products/Completed Operations portion of this review uses a trend date of 7/1/2020 because of the multistate nature of the review. To adjust the loss and exposure data to levels expected to prevail during the period when the revised indications are assumed to be in effect, historical losses and exposures have been multiplied by trend factors. These trend factors are based on changes in cost, frequency and inflation sensitive exposure bases that are expected to arise between the historical experience period and the prospective period during which the revised loss costs will be in effect. For a summary of the selected annual trend factors, see Section E, Section F and Section G - Trend Summary.

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

ADJUSTMENTS
TO REPORTED
EXPERIENCE
(Cont'd)

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	Chubb Group of Insurance Cos.
3	Zurich American Insurance Co.
4	Continental Casualty Co.
5	Cincinnati Insurance Co.
6	Liberty Mutual Insurance Co.
7	XL Specialty Insurance Co.
8	Great American Insurance Co.
9	Employers Mutual Casualty Co.
10	Federated Mutual 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)	34.0%
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.

COMPANY
DECISION
(Cont'd)

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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MINNESOTA
PRIOR REVISIONS

The latest implemented revisions in this state are:

Document: GL-2019-BGL1

<u>Coverage</u>	Distribution <u>Date</u>	Loss Cost Level Changes		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		- 1.6%	- 1.6%	- 1.6%
OL&T		+ 0.2%	+ 0.2%	+ 0.2%
Prem/Ops Combined		- 0.7%	- 0.7%	- 0.7%
Products		- 9.8%	- 9.8%	- 9.8%
Local Products/Completed Ops		- 6.4%	- 6.4%	- 6.4%
Products/Completed Ops Combined		- 7.7%	- 7.7%	- 7.7%
General Liability Overall	4/2020	- 2.8%	- 2.8%	- 2.8%

Document: GL-2018-BGL1

<u>Coverage</u>	Distribution <u>Date</u>	Loss Cost Level Changes		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		- 3.0%	- 3.0%	- 3.0%
OL&T		- 2.9%	- 2.9%	- 2.9%
Prem/Ops Combined		- 2.9%	- 2.9%	- 2.9%
Products		- 6.5%	- 6.5%	- 6.5%
Local Products/Completed Ops		- 15.7%	- 15.7%	- 15.7%
Products/Completed Ops Combined		- 12.8%	- 12.8%	- 12.8%
General Liability Overall	4/2019	- 6.5%	- 6.5%	- 6.5%

Document: GL-2017-BGL1

<u>Coverage</u>	Distribution <u>Date</u>	Loss Cost Level Changes		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		-11.5%	-10.0%	-10.0%
OL&T		- 5.6%	- 5.6%	- 5.6%
Prem/Ops Combined		- 8.5%	- 7.8%	- 7.8%
Products		- 8.1%	- 8.1%	- 8.1%
Local Products/Completed Ops		- 6.7%	- 6.7%	- 6.7%
Products/Completed Ops Combined		- 7.1%	- 7.1%	- 7.1%
General Liability Overall	4/2018	- 8.0%	- 7.5%	- 7.5%

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

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)	+ 3.0%	+ 13.7%	+ 8.5%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	+ 0.3%	+ 13.0%	+ 6.8%	- 0.2% *	+ 0.8% **	+ 0.5%	+ 5.0%
Statewide Selected Monoline Loss Cost Level Change	+ 0.3%	+ 13.0%	+ 6.8%	- 0.2% *	+ 0.8%	+ 0.5%	+ 5.0%
Adjusted Monoline Loss Cost Level Change (See Sections C and H) @	+ 0.3%	+ 11.8%	+ 6.2%	-0.2%	+ 0.8%	+ 0.5%	+ 4.5%

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

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

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

MINNESOTA

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

<u>CODE</u>	<u>TERRITORY DESCRIPTION</u>	<u>LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT LEVEL (ALCCL)</u>	<u>INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING</u>	<u>LOSS COST LEVEL CHANGE AFTER CAPPING</u>	<u>ADJUSTED LOSS COST LEVEL CHANGE</u>
501	Minneapolis and St. Paul and Vicinity	\$ 4,737,162	+ 10.0%	+ 9.9%	+ 8.7%
502	Remainder of State	5,688,839	+ 15.5%	+ 15.6%	+ 14.5%
503	Duluth	357,907	+ 13.0%	+ 13.1%	+ 12.1%
	STATEWIDE TOTAL	\$ 10,783,908	+ 13.0%	+ 13.0%	+ 11.8%

MINNESOTA
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	\$ 423,947	+ 1.1%	+ 0.1%
31	LIGHT CONTRACTING	886,701	+ 0.3%	- 0.9%
32	MEDIUM CONTRACTING	3,397,717	+ 3.2%	+ 2.1%
33	HEAVY CONTRACTING	1,136,572	- 1.1%	- 2.2%
34	DEALERS OR DISTRIBUTORS	1,001,004	+ 5.0%	+ 5.8%
35	LIGHT MANUFACTURERS	275,966	- 0.2%	+ 0.9%
36	MEDIUM MANUFACTURERS	1,433,069	- 6.9%	- 4.7%
37	HEAVY MANUFACTURERS	839,389	- 0.2%	+ 0.8%
38	MISCELLANEOUS OPERATIONS	940,176	- 2.2%	- 1.1%
	TOTAL	\$ 10,334,541	+ 0.3%	+ 0.3%

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)	\$ 406,293	+ 10.3%	+ 11.7%
02	RESTAURANTS	1,092,972	+ 8.1%	+ 7.5%
03	STORES	483,353	+ 13.0%	+ 13.9%
04	VENDING AND RENTAL	58,198	+ 12.6%	+ 13.0%
05	FOOD AND BEVERAGE DISTRIBUTORS	127,732	+ 14.6%	+ 13.3%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	296,216	+ 16.5%	+ 17.4%
07	CLUBS, AMUSEMENTS AND SPORTS	477,492	+ 14.9%	+ 15.4%
08	HEALTH CARE FACILITIES	124,343	+ 16.7%	+ 17.7%
09	HOTELS AND MOTELS	1,173,411	+ 1.3%	+ 0.6%
10	SCHOOLS AND CHURCHES	1,830,731	+ 18.0%	+ 18.6%
11	APARTMENTS	1,400,362	+ 12.8%	+ 12.1%
12	BUILDINGS AND OFFICES	3,155,473	+ 15.7%	+15.7% @
13	MISCELLANEOUS PREMISES	157,184	+ 13.5%	+ 13.1%
16	GOVERNMENTAL SUBDIVISIONS	148	+ 14.7%	+ 16.3%
	TOTAL	\$ 10,783,908	+ 13.0%	+ 13.0%

@ The COVID-19 related adjustments are applied to the rounded loss costs after capping and then rounded using CGL rounding rules. The class group 12 adjusted loss cost level change is +11.8% resulting in an overall OL&T indication of +11.8%.

MINNESOTA

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

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MULTISTATE MONO/MULTI ALCCL AT MULTISTATE <u>LEVEL</u>	INDICATED MULTISTATE LOSS COST LEVEL <u>CHANGE</u>	LATEST YEAR STATEWIDE MONO/MULTI ALCCL AT CURRENT <u>LEVEL</u>	INDICATED STATEWIDE LOSS COST LEVEL <u>CHANGE</u>	SELECTED STATEWIDE LOSS COST LEVEL <u>CHANGE</u>
03	MANUFACTURERS, DEALERS OR DISTRIBUTORS-FOOD OR DRUG	\$ 25,805,900	- 5.9%	\$ 575,057	- 5.2%	- 5.2%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	34,950,355	+ 4.3%	912,932	+ 5.9%	+ 5.9%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,162,520	+ 1.2%	185,623	- 1.8%	- 1.8%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	33,323,523	- 0.5%	819,895	- 3.2%	- 3.2%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	8,272,287	+ 0.2%	97,635	- 1.1%	- 1.1%
	PRODUCTS SUBTOTAL	\$ 107,514,585	- 0.1%	\$ 2,591,142	- 0.2%	- 0.2%
01	RETAIL STORES-FOOD OR DRUG			\$ 192,632	- 1.7%	- 1.7%
02	RETAIL STORES-NOT FOOD OR DRUG			295,420	+ 3.3%	+ 3.3%
11	COMPLETED OPERATIONS-LOW			408,215	+ 6.1%	+ 5.5%
12	COMPLETED OPERATIONS-MEDIUM			4,610,880	+ 0.8%	+ 0.8%
13	COMPLETED OPERATIONS-HIGH			468,081	- 4.0%	- 3.7%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 5,975,228	+ 0.8%	+ 0.8%
	TOTAL			\$ 8,566,370	+ 0.5%	+ 0.5%

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- M&C classes reflect an upper cap of +25% and a lower cap of -20% relative to current loss costs;
- OL&T classes reflect an upper cap of +38% and a lower cap of -20% relative to current loss costs;
The COVID-19 related adjustment factors were applied to the capped and rounded loss costs reflecting the selected loss cost level change.
Loss costs reflecting the COVID-19 related adjustments are not subject to capping and are rounded using the rules listed below.
- Products classes reflect an upper cap of +25% and a lower cap of -20% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +26% 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: 0.988

OL&T: 1.000

LP/CO: 1.007

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. In addition, the offset of 0.991 has been applied to the loss costs for the payroll-based classes to introduce the change in payroll amount for executive officers, individual insureds or copartners on a revenue neutral basis. Adjustments have also been applied to nine classes impacted by the COVID-19 pandemic. These classes are listed in Section H.

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	501	0.044	0.038	15.8	10070	503	0.034	0.029	17.2	10115	502	0.520	0.460	13.0
10010	502	0.092	0.077	19.5	10071	501	0.126	0.114	10.5	10115	503	0.340	0.300	13.3
10010	503	0.060	0.051	17.6	10071	502	0.233	0.203	14.8	10117	501	3.960	3.500	13.1
10015	501	3.990	3.530	13.0	10071	503	0.151	0.132	14.4	10117	502	3.910	3.360	16.4
10015	502	3.940	3.390	16.2	10072	501	4.060	4.110	-1.2	10117	503	4.940	4.260	16.0
10015	503	4.970	4.290	15.9	10072	502	2.810	2.860	-1.7	10120	501	8.880	7.860	13.0
10026	501	0.260	0.231	12.6	10072	503	2.460	2.570	-4.3	10120	502	8.780	7.540	16.4
10026	502	0.470	0.410	14.6	10073	501	0.590	0.560	5.4	10120	503	11.100	9.550	16.2
10026	503	0.310	0.270	14.8	10073	502	0.550	0.520	5.8	10130	501	1.400	1.260	11.1
10036	501	0.380	0.360	5.6	10073	503	0.650	0.630	3.2	10130	502	2.590	2.260	14.6
10036	502	0.360	0.340	5.9	10075	501	4.370	4.140	5.6	10130	503	1.680	1.470	14.3
10036	503	0.420	0.400	5.0	10075	502	4.120	3.890	5.9	10132	501	1.210	1.090	11.0
10040	501	0.033	0.029	13.8	10075	503	4.820	4.670	3.2	10132	502	2.230	1.950	14.4
10040	502	0.070	0.059	18.6	10100	501	0.290	0.270	7.4	10132	503	1.450	1.270	14.2
10040	503	0.046	0.039	17.9	10100	502	0.470	0.420	11.9	10133	501	1.550	1.410	9.9
10042	501	0.147	0.132	11.4	10100	503	0.430	0.390	10.3	10133	502	2.360	2.070	14.0
10042	502	0.270	0.236	14.4	10101	501	0.095	0.086	10.5	10133	503	2.320	2.040	13.7
10042	503	0.176	0.154	14.3	10101	502	0.175	0.153	14.4	10140	501	0.016	0.014	14.3
10052	501	2.760	2.440	13.1	10101	503	0.114	0.100	14.0	10140	502	0.015	0.014	7.1
10052	502	2.730	2.340	16.7	10105	501	1.030	0.930	10.8	10140	503	0.019	0.017	11.8
10052	503	3.440	2.960	16.2	10105	502	1.900	1.660	14.5	10141	501	0.031	0.028	10.7
10054	501	2.450	2.160	13.4	10105	503	1.230	1.080	13.9	10141	502	0.031	0.027	14.8
10054	502	2.420	2.080	16.3	10107	501	1.800	1.700	5.9	10141	503	0.038	0.033	15.2
10054	503	3.050	2.630	16.0	10107	502	1.700	1.600	6.3	10145	501	0.150	0.134	11.9
10060	501	0.070	0.063	11.1	10107	503	1.980	1.930	2.6	10145	502	0.149	0.130	14.6
10060	502	0.130	0.113	15.0	10110	501	13.600	12.000	13.3	10145	503	0.184	0.161	14.3
10060	503	0.084	0.074	13.5	10110	502	13.400	11.500	16.5	10146	501	0.129	0.119	8.4
10065	501	0.105	0.095	10.5	10110	503	16.900	14.600	15.8	10146	502	0.210	0.188	11.7
10065	502	0.195	0.170	14.7	10111	501	0.055	0.048	14.6	10146	503	0.191	0.172	11.0
10065	503	0.126	0.111	13.5	10111	502	0.115	0.097	18.6	10150	501	0.196	0.177	10.7
10066	501	0.107	0.097	10.3	10111	503	0.075	0.064	17.2	10150	502	0.360	0.320	12.5
10066	502	0.198	0.173	14.5	10113	501	0.143	0.128	11.7	10150	503	0.235	0.206	14.1
10066	503	0.129	0.113	14.2	10113	502	0.260	0.230	13.0	10151	501	4.940	4.450	11.0
10070	501	0.025	0.022	13.6	10113	503	0.171	0.150	14.0	10151	502	9.120	7.970	14.4
10070	502	0.053	0.044	20.5	10115	501	0.280	0.260	7.7	10151	503	5.920	5.190	14.1

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10160	501	0.880	0.790	11.4	10352	503	0.250	0.224	11.6	11127	502	0.290	0.247	17.4
10160	502	1.620	1.420	14.1	10367	501	3.590	3.640	-1.4	11127	503	0.191	0.162	17.9
10160	503	1.050	0.920	14.1	10367	502	2.480	2.530	-2.0	11128	501	0.188	0.164	14.6
10204	501	0.089	0.080	11.3	10367	503	2.180	2.270	-4.0	11128	502	0.400	0.330	21.2
10204	502	0.164	0.143	14.7	10368	501	5.240	5.310	-1.3	11128	503	0.260	0.219	18.7
10204	503	0.106	0.093	14.0	10368	502	3.630	3.700	-1.9	11138	501	1.350	1.200	12.5
10205	501	0.099	0.089	11.2	10368	503	3.180	3.320	-4.2	11138	502	1.340	1.150	16.5
10205	502	0.183	0.160	14.4	10378	501	5.480	4.840	13.2	11138	503	1.680	1.450	15.9
10205	503	0.119	0.104	14.4	10378	502	5.410	4.650	16.3	11155	501	0.085	0.076	11.8
10220	501	1.870	1.680	11.3	10378	503	6.820	5.890	15.8	11155	502	0.156	0.137	13.9
10220	502	3.450	3.010	14.6	10379	501	2.540	2.250	12.9	11155	503	0.101	0.089	13.5
10220	503	2.240	1.960	14.3	10379	502	2.510	2.160	16.2	11167	501	0.370	0.340	8.8
10255	501	0.140	0.133	5.3	10379	503	3.170	2.730	16.1	11167	502	0.570	0.500	14.0
10255	502	0.132	0.125	5.6	10380	501	4.340	3.840	13.0	11167	503	0.560	0.490	14.3
10255	503	0.155	0.150	3.3	10380	502	4.290	3.690	16.3	11168	501	1.930	1.750	10.3
10256	501	0.510	0.490	4.1	10380	503	5.410	4.670	15.8	11168	502	2.940	2.580	14.0
10256	502	0.480	0.460	4.3	10381	501	3.760	3.320	13.3	11168	503	2.890	2.540	13.8
10256	503	0.570	0.550	3.6	10381	502	3.710	3.190	16.3	11201	501	13.400	13.500	-0.7
10257	501	0.097	0.092	5.4	10381	503	4.680	4.040	15.8	11201	502	9.240	9.410	-1.8
10257	502	0.091	0.086	5.8	11007	501	1.530	1.550	-1.3	11201	503	8.100	8.440	-4.0
10257	503	0.107	0.103	3.9	11007	502	1.060	1.080	-1.9	11202	501	3.950	4.000	-1.3
10309	501	0.064	0.058	10.3	11007	503	0.930	0.960	-3.1	11202	502	2.730	2.780	-1.8
10309	502	0.118	0.103	14.6	11020	501	0.120	0.108	11.1	11202	503	2.400	2.500	-4.0
10309	503	0.077	0.067	14.9	11020	502	0.221	0.193	14.5	11203	501	0.320	0.280	14.3
10315	501	0.151	0.136	11.0	11020	503	0.143	0.126	13.5	11203	502	0.680	0.570	19.3
10315	502	0.280	0.243	15.2	11039	501	0.510	0.480	6.2	11203	503	0.440	0.380	15.8
10315	503	0.181	0.158	14.6	11039	502	0.480	0.460	4.3	11204	501	0.124	0.112	10.7
10331	501	5.410	4.780	13.2	11039	503	0.560	0.550	1.8	11204	502	0.229	0.200	14.5
10331	502	5.340	4.590	16.3	11052	501	1.610	1.460	10.3	11204	503	0.148	0.130	13.8
10331	503	6.740	5.810	16.0	11052	502	2.460	2.160	13.9	11206	501	0.620	0.630	-1.6
10332	501	9.330	8.250	13.1	11052	503	2.420	2.120	14.2	11206	502	0.430	0.440	-2.3
10332	502	9.220	7.920	16.4	11126	501	0.025	0.022	13.6	11206	503	0.380	0.390	-2.6
10332	503	11.600	10.000	16.0	11126	502	0.046	0.040	15.0	11207	501	7.820	7.930	-1.4
10352	501	0.168	0.156	7.7	11126	503	0.030	0.026	15.4	11207	502	5.420	5.520	-1.8
10352	502	0.270	0.245	10.2	11127	501	0.139	0.122	13.9	11207	503	4.750	4.950	-4.0

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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
11208	501	1.340	1.360	-1.5	11259	503	0.550	0.500	10.0	12393	502	0.290	0.260	11.5
11208	502	0.930	0.950	-2.1	11273	501	5.530	4.980	11.0	12393	503	0.190	0.167	13.8
11208	503	0.810	0.850	-4.7	11273	502	10.200	8.920	14.3	12467	501	0.066	0.060	10.0
11209	501	6.300	6.380	-1.3	11273	503	6.620	5.810	13.9	12467	502	0.122	0.107	14.0
11209	502	4.360	4.440	-1.8	11274	501	5.310	4.780	11.1	12467	503	0.079	0.069	14.5
11209	503	3.820	3.980	-4.0	11274	502	9.800	8.560	14.5	12509	501	0.035	0.033	6.1
11210	501	2.680	2.720	-1.5	11274	503	6.360	5.570	14.2	12509	502	0.033	0.031	6.5
11210	502	1.860	1.890	-1.6	11288	501	0.430	0.390	10.3	12509	503	0.039	0.037	5.4
11210	503	1.630	1.700	-4.1	11288	502	0.690	0.620	11.3	12510	501	0.440	0.420	4.8
11211	501	13.900	14.100	-1.4	11288	503	0.630	0.570	10.5	12510	502	0.420	0.400	5.0
11211	502	9.650	9.830	-1.8	12014	501	0.057	0.054	5.6	12510	503	0.490	0.480	2.1
11211	503	8.450	8.810	-4.1	12014	502	0.054	0.051	5.9	12583	501	0.197	0.187	5.3
11212	501	2.110	2.140	-1.4	12014	503	0.063	0.061	3.3	12583	502	0.186	0.176	5.7
11212	502	1.460	1.490	-2.0	12356	501	0.470	0.420	11.9	12583	503	0.218	0.211	3.3
11212	503	1.280	1.330	-3.8	12356	502	0.870	0.760	14.5	12651	501	0.580	0.550	5.5
11213	501	1.720	1.740	-1.1	12356	503	0.560	0.490	14.3	12651	502	0.540	0.510	5.9
11213	502	1.190	1.210	-1.7	12361	501	0.034	0.030	13.3	12651	503	0.640	0.620	3.2
11213	503	1.040	1.090	-4.6	12361	502	0.034	0.029	17.2	12683	501	0.260	0.249	4.4
11214	501	4.240	4.290	-1.2	12361	503	0.042	0.036	16.7	12683	502	0.248	0.234	6.0
11214	502	2.930	2.990	-2.0	12362	501	0.027	0.024	12.5	12683	503	0.290	0.280	3.6
11214	503	2.570	2.680	-4.1	12362	502	0.058	0.049	18.4	12707	501	0.180	0.158	13.9
11222	501	0.071	0.072	-1.4	12362	503	0.038	0.032	18.8	12707	502	0.380	0.320	18.7
11222	502	0.049	0.050	-2.0	12373	501	0.010	0.009	11.1	12707	503	0.247	0.210	17.6
11222	503	0.043	0.045	-4.4	12373	502	0.022	0.019	15.8	12797	501	0.038	0.033	15.2
11234	501	0.112	0.101	10.9	12373	503	0.014	0.012	16.7	12797	502	0.080	0.067	19.4
11234	502	0.206	0.180	14.4	12374	501	0.244	0.220	10.9	12797	503	0.052	0.044	18.2
11234	503	0.134	0.117	14.5	12374	502	0.450	0.390	15.4	12805	501	0.128	0.115	11.3
11248	501	0.027	0.025	8.0	12374	503	0.290	0.260	11.5	12805	502	0.236	0.207	14.0
11248	502	0.025	0.024	4.2	12375	501	0.120	0.108	11.1	12805	503	0.153	0.135	13.3
11248	503	0.029	0.028	3.6	12375	502	0.221	0.193	14.5	12841	501	0.213	0.192	10.9
11258	501	0.350	0.320	9.4	12375	503	0.143	0.126	13.5	12841	502	0.390	0.340	14.7
11258	502	0.570	0.510	11.8	12391	501	0.021	0.018	16.7	12841	503	0.250	0.223	12.1
11258	503	0.520	0.460	13.0	12391	502	0.043	0.037	16.2	12927	501	0.037	0.034	8.8
11259	501	0.370	0.350	5.7	12391	503	0.028	0.024	16.7	12927	502	0.069	0.060	15.0
11259	502	0.610	0.540	13.0	12393	501	0.159	0.143	11.2	12927	503	0.045	0.039	15.4

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
13049	501	0.018	0.016	12.5	13453	503	0.350	0.340	2.9	13759	502	0.130	0.113	15.0
13049	502	0.018	0.015	20.0	13454	501	0.370	0.350	5.7	13759	503	0.084	0.074	13.5
13049	503	0.022	0.019	15.8	13454	502	0.350	0.330	6.1	13930	501	0.059	0.051	15.7
13111	501	0.320	0.300	6.7	13454	503	0.400	0.390	2.6	13930	502	0.123	0.104	18.3
13111	502	0.520	0.470	10.6	13455	501	0.370	0.350	5.7	13930	503	0.080	0.068	17.6
13111	503	0.480	0.430	11.6	13455	502	0.350	0.330	6.1	14068	501	0.015	0.014	7.1
13112	501	0.029	0.026	11.5	13455	503	0.410	0.400	2.5	14068	502	0.029	0.025	16.0
13112	502	0.029	0.025	16.0	13506	501	0.360	0.330	9.1	14068	503	0.019	0.016	18.8
13112	503	0.035	0.031	12.9	13506	502	0.670	0.590	13.6	14101	501	0.182	0.164	11.0
13201	501	0.510	0.480	6.2	13506	503	0.440	0.380	15.8	14101	502	0.340	0.290	17.2
13201	502	0.480	0.450	6.7	13507	501	0.440	0.390	12.8	14101	503	0.218	0.191	14.1
13201	503	0.560	0.540	3.7	13507	502	0.810	0.710	14.1	14279	501	0.270	0.250	8.0
13204	501	0.580	0.550	5.5	13507	503	0.520	0.460	13.0	14279	502	0.250	0.238	5.0
13204	502	0.540	0.510	5.9	13590	501	0.280	0.260	7.7	14279	503	0.300	0.290	3.4
13204	503	0.640	0.620	3.2	13590	502	0.260	0.247	5.3	14401	501	0.350	0.320	9.4
13205	501	0.221	0.210	5.2	13590	503	0.310	0.300	3.3	14401	502	0.570	0.510	11.8
13205	502	0.209	0.197	6.1	13621	501	0.070	0.066	6.1	14401	503	0.520	0.470	10.6
13205	503	0.244	0.237	3.0	13621	502	0.066	0.062	6.5	14405	501	0.900	0.910	-1.1
13314	501	0.048	0.043	11.6	13621	503	0.077	0.075	2.7	14405	502	0.620	0.630	-1.6
13314	502	0.088	0.077	14.3	13670	501	0.019	0.017	11.8	14405	503	0.540	0.570	-5.3
13314	503	0.057	0.050	14.0	13670	502	0.019	0.016	18.8	14527	501	0.112	0.098	14.3
13351	501	0.116	0.104	11.5	13670	503	0.023	0.020	15.0	14527	502	0.236	0.198	19.2
13351	502	0.214	0.187	14.4	13673	501	0.260	0.244	6.6	14527	503	0.153	0.130	17.7
13351	503	0.139	0.122	13.9	13673	502	0.430	0.380	13.2	14655	501	0.035	0.032	9.4
13352	501	0.118	0.106	11.3	13673	503	0.390	0.350	11.4	14655	502	0.065	0.057	14.0
13352	502	0.217	0.190	14.2	13715	501	0.027	0.024	12.5	14655	503	0.042	0.037	13.5
13352	503	0.141	0.124	13.7	13715	502	0.058	0.049	18.4	14731	501	1.600	1.450	10.3
13410	501	0.810	0.760	6.6	13715	503	0.038	0.032	18.8	14731	502	2.440	2.140	14.0
13410	502	0.760	0.720	5.6	13716	501	0.180	0.162	11.1	14731	503	2.400	2.110	13.7
13410	503	0.890	0.860	3.5	13716	502	0.330	0.290	13.8	14732	501	0.118	0.107	10.3
13412	501	0.270	0.260	3.8	13716	503	0.215	0.189	13.8	14732	502	0.180	0.158	13.9
13412	502	0.260	0.242	7.4	13720	501	0.149	0.138	8.0	14732	503	0.177	0.156	13.5
13412	503	0.300	0.290	3.4	13720	502	0.242	0.216	12.0	14733	501	0.246	0.222	10.8
13453	501	0.310	0.300	3.3	13720	503	0.221	0.198	11.6	14733	502	0.450	0.400	12.5
13453	502	0.300	0.280	7.1	13759	501	0.070	0.063	11.1	14733	503	0.290	0.260	11.5

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14734	501	0.105	0.095	10.5	15314	503	0.101	0.089	13.5	15839	502	0.210	0.183	14.8
14734	502	0.195	0.170	14.7	15404	501	0.050	0.048	4.2	15839	503	0.136	0.119	14.3
14734	503	0.126	0.111	13.5	15404	502	0.048	0.045	6.7	15991	501	0.093	0.084	10.7
14855	501	0.123	0.117	5.1	15404	503	0.056	0.054	3.7	15991	502	0.172	0.150	14.7
14855	502	0.116	0.110	5.5	15405	501	0.074	0.070	5.7	15991	503	0.111	0.098	13.3
14855	503	0.136	0.132	3.0	15405	502	0.070	0.066	6.1	15993	501	0.079	0.071	11.3
14913	501	0.132	0.119	10.9	15405	503	0.082	0.079	3.8	15993	502	0.145	0.127	14.2
14913	502	0.244	0.213	14.6	15406	501	0.189	0.179	5.6	15993	503	0.094	0.082	14.6
14913	503	0.158	0.139	13.7	15406	502	0.178	0.168	6.0	16005	501	0.015	0.013	15.4
15062	501	0.111	0.105	5.7	15406	503	0.209	0.202	3.5	16005	502	0.031	0.026	19.2
15062	502	0.104	0.099	5.1	15488	501	0.470	0.450	4.4	16005	503	0.020	0.017	17.6
15062	503	0.122	0.118	3.4	15488	502	0.450	0.420	7.1	16009	501	0.151	0.143	5.6
15063	501	0.129	0.122	5.7	15488	503	0.520	0.510	2.0	16009	502	0.143	0.135	5.9
15063	502	0.122	0.115	6.1	15538	501	0.151	0.136	11.0	16009	503	0.167	0.162	3.1
15063	503	0.142	0.138	2.9	15538	502	0.280	0.243	15.2	16402	501	0.560	0.510	9.8
15070	501	0.120	0.122	-1.6	15538	503	0.181	0.158	14.6	16402	502	1.040	0.910	14.3
15070	502	0.083	0.085	-2.4	15600	501	0.380	0.340	11.8	16402	503	0.670	0.590	13.6
15070	503	0.073	0.076	-3.9	15600	502	0.700	0.610	14.8	16403	501	0.360	0.320	12.5
15123	501	1.550	1.400	10.7	15600	503	0.460	0.400	15.0	16403	502	0.660	0.570	15.8
15123	502	2.360	2.070	14.0	15607	501	0.157	0.159	-1.3	16403	503	0.430	0.370	16.2
15123	503	2.320	2.040	13.7	15607	502	0.109	0.111	-1.8	16404	501	0.450	0.400	12.5
15124	501	0.540	0.490	10.2	15607	503	0.095	0.099	-4.0	16404	502	0.830	0.720	15.3
15124	502	0.820	0.720	13.9	15608	501	0.085	0.076	11.8	16404	503	0.540	0.470	14.9
15124	503	0.810	0.710	14.1	15608	502	0.156	0.137	13.9	16471	501	0.222	0.225	-1.3
15188	501	0.195	0.184	6.0	15608	503	0.101	0.089	13.5	16471	502	0.154	0.156	-1.3
15188	502	0.184	0.173	6.4	15656	501	2.500	2.250	11.1	16471	503	0.135	0.140	-3.6
15188	503	0.215	0.208	3.4	15656	502	4.620	4.030	14.6	16501	501	0.031	0.027	14.8
15223	501	0.022	0.020	10.0	15656	503	3.000	2.630	14.1	16501	502	0.065	0.055	18.2
15223	502	0.022	0.019	15.8	15699	501	0.390	0.390	0.0	16501	503	0.042	0.036	16.7
15223	503	0.027	0.024	12.5	15699	502	0.270	0.270	0.0	16527	501	0.047	0.041	14.6
15224	501	0.157	0.145	8.3	15699	503	0.236	0.246	-4.1	16527	502	0.100	0.084	19.0
15224	502	0.260	0.228	14.0	15733	501	0.123	0.117	5.1	16527	503	0.065	0.055	18.2
15224	503	0.233	0.209	11.5	15733	502	0.116	0.110	5.5	16588	501	0.070	0.066	6.1
15314	501	0.085	0.076	11.8	15733	503	0.136	0.132	3.0	16588	502	0.066	0.062	6.5
15314	502	0.156	0.137	13.9	15839	501	0.114	0.102	11.8	16588	503	0.077	0.075	2.7

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16604	501	0.118	0.111	6.3	16891	503	0.094	0.091	3.3	16921	502	1.750	1.600	9.4
16604	502	0.111	0.105	5.7	16892	501	0.155	0.147	5.4	16921	503	1.650	1.510	9.3
16604	503	0.130	0.126	3.2	16892	502	0.147	0.138	6.5	16930	501	1.120	1.060	5.7
16670	501	2.240	1.990	12.6	16892	503	0.172	0.166	3.6	16930	502	1.100	1.010	8.9
16670	502	2.220	1.910	16.2	16900	501	1.430	1.350	5.9	16930	503	1.040	0.950	9.5
16670	503	2.800	2.410	16.2	16900	502	1.410	1.280	10.2	16931	501	1.210	1.140	6.1
16676	501	0.118	0.106	11.3	16900	503	1.330	1.220	9.0	16931	502	1.190	1.080	10.2
16676	502	0.217	0.190	14.2	16901	501	0.920	0.860	7.0	16931	503	1.120	1.030	8.7
16676	503	0.141	0.124	13.7	16901	502	0.900	0.820	9.8	16940	501	2.440	2.300	6.1
16694	501	0.232	0.220	5.5	16901	503	0.850	0.780	9.0	16940	502	2.390	2.180	9.6
16694	502	0.219	0.207	5.8	16902	501	0.780	0.730	6.8	16940	503	2.260	2.070	9.2
16694	503	0.260	0.249	4.4	16902	502	0.760	0.700	8.6	16941	501	0.980	0.920	6.5
16705	501	0.088	0.077	14.3	16902	503	0.720	0.660	9.1	16941	502	0.960	0.870	10.3
16705	502	0.185	0.155	19.4	16905	501	1.500	1.420	5.6	16941	503	0.900	0.830	8.4
16705	503	0.120	0.102	17.6	16905	502	1.480	1.350	9.6	18078	501	0.050	0.043	16.3
16750	501	0.041	0.037	10.8	16905	503	1.390	1.280	8.6	18078	502	0.105	0.088	19.3
16750	502	0.076	0.067	13.4	16906	501	0.960	0.910	5.5	18078	503	0.068	0.058	17.2
16750	503	0.049	0.043	14.0	16906	502	0.940	0.860	9.3	18109	501	0.155	0.140	10.7
16751	501	0.041	0.037	10.8	16906	503	0.890	0.820	8.5	18109	502	0.290	0.250	16.0
16751	502	0.076	0.067	13.4	16910	501	0.860	0.810	6.2	18109	503	0.186	0.163	14.1
16751	503	0.049	0.043	14.0	16910	502	0.840	0.770	9.1	18110	501	0.124	0.112	10.7
16819	501	0.670	0.630	6.3	16910	503	0.800	0.730	9.6	18110	502	0.229	0.200	14.5
16819	502	0.630	0.600	5.0	16911	501	0.780	0.730	6.8	18110	503	0.148	0.130	13.8
16819	503	0.740	0.720	2.8	16911	502	0.760	0.700	8.6	18205	501	0.077	0.067	14.9
16820	501	0.520	0.490	6.1	16911	503	0.720	0.660	9.1	18205	502	0.161	0.136	18.4
16820	502	0.490	0.460	6.5	16915	501	0.880	0.830	6.0	18205	503	0.105	0.089	18.0
16820	503	0.570	0.550	3.6	16915	502	0.870	0.790	10.1	18206	501	0.200	0.181	10.5
16881	501	0.650	0.580	12.1	16915	503	0.820	0.750	9.3	18206	502	0.370	0.320	15.6
16881	502	1.190	1.040	14.4	16916	501	0.730	0.690	5.8	18206	503	0.240	0.210	14.3
16881	503	0.770	0.680	13.2	16916	502	0.720	0.660	9.1	18335	501	0.145	0.130	11.5
16890	501	0.078	0.074	5.4	16916	503	0.680	0.620	9.7	18335	502	0.270	0.233	15.9
16890	502	0.074	0.070	5.7	16920	501	1.950	1.840	6.0	18335	503	0.173	0.152	13.8
16890	503	0.087	0.084	3.6	16920	502	1.920	1.750	9.7	18435	501	0.310	0.280	10.7
16891	501	0.085	0.081	4.9	16920	503	1.810	1.660	9.0	18435	502	0.500	0.440	13.6
16891	502	0.081	0.076	6.6	16921	501	1.780	1.680	6.0	18435	503	0.450	0.410	9.8

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18436	501	0.247	0.228	8.3	18834	503	0.141	0.124	13.7	40061	502	1.640	1.410	16.3
18436	502	0.400	0.360	11.1	18911	501	0.370	0.340	8.8	40061	503	2.070	1.790	15.6
18436	503	0.370	0.330	12.1	18911	502	0.690	0.600	15.0	40063	501	55.700	49.200	13.2
18437	501	0.207	0.186	11.3	18911	503	0.450	0.390	15.4	40063	502	55.000	47.300	16.3
18437	502	0.380	0.330	15.2	18912	501	0.700	0.630	11.1	40063	503	69.300	59.800	15.9
18437	503	0.247	0.217	13.8	18912	502	1.290	1.130	14.2	40064	501	16.400	14.500	13.1
18438	501	0.400	0.360	11.1	18912	503	0.840	0.740	13.5	40064	502	16.200	13.900	16.5
18438	502	0.730	0.640	14.1	18920	501	0.182	0.164	11.0	40064	503	20.400	17.600	15.9
18438	503	0.470	0.420	11.9	18920	502	0.340	0.290	17.2	40075	501	29.400	26.300	11.8
18501	501	0.280	0.260	7.7	18920	503	0.218	0.191	14.1	40075	502	20.500	17.900	14.5
18501	502	0.460	0.410	12.2	19007	501	0.600	0.550	9.1	40075	503	17.500	15.300	14.4
18501	503	0.420	0.370	13.5	19007	502	0.920	0.810	13.6	40101	501	9.920	8.740	13.5
18506	501	0.246	0.234	5.1	19007	503	0.910	0.800	13.7	40101	502	12.000	10.100	18.8
18506	502	0.232	0.219	5.9	19051	501	1.340	1.220	9.8	40101	503	28.400	24.100	17.8
18506	503	0.270	0.260	3.8	19051	502	2.040	1.790	14.0	40102	501	8.760	7.720	13.5
18507	501	0.074	0.067	10.4	19051	503	2.010	1.760	14.2	40102	502	10.600	8.930	18.7
18507	502	0.137	0.120	14.2	19795	501	0.122	0.110	10.9	40102	503	25.100	21.300	17.8
18507	503	0.089	0.078	14.1	19795	502	0.225	0.197	14.2	40111	501	4.410	3.900	13.1
18570	501	0.780	0.700	11.4	19795	503	0.146	0.128	14.1	40111	502	4.360	3.740	16.6
18570	502	1.430	1.250	14.4	19796	501	0.143	0.128	11.7	40111	503	5.490	4.740	15.8
18570	503	0.930	0.820	13.4	19796	502	0.260	0.230	13.0	41001	501	0.149	0.132	12.9
18616	501	0.188	0.178	5.6	19796	503	0.171	0.150	14.0	41001	502	0.147	0.126	16.7
18616	502	0.177	0.167	6.0	40045	501	124.000	110.000	12.7	41001	503	0.185	0.160	15.6
18616	503	0.207	0.201	3.0	40045	502	123.000	106.000	16.0	41421	501	0.420	0.360	16.7
18707	501	0.004	0.004	0.0	40045	503	155.000	134.000	15.7	41421	502	0.350	0.290	20.7
18707	502	0.009	0.007	28.6	40046	501	24.600	21.700	13.4	41421	503	0.420	0.360	16.7
18707	503	0.006	0.005	20.0	40046	502	24.300	20.900	16.3	41422	501	0.222	0.191	16.2
18708	501	0.045	0.041	9.8	40046	503	30.600	26.400	15.9	41422	502	0.188	0.157	19.7
18708	502	0.084	0.073	15.1	40047	501	8.760	7.750	13.0	41422	503	0.225	0.189	19.0
18708	503	0.054	0.048	12.5	40047	502	8.660	7.440	16.4	41510	501	18.700	16.800	11.3
18833	501	0.049	0.043	14.0	40047	503	10.900	9.420	15.7	41510	502	34.500	30.100	14.6
18833	502	0.104	0.087	19.5	40059	501	3.140	2.770	13.4	41510	503	22.400	19.600	14.3
18833	503	0.067	0.057	17.5	40059	502	3.100	2.660	16.5	41603	501	19.700	17.000	15.9
18834	501	0.118	0.106	11.3	40059	503	3.910	3.370	16.0	41603	502	16.700	13.900	20.1
18834	502	0.217	0.190	14.2	40061	501	1.660	1.470	12.9	41603	503	20.000	16.800	19.0

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41604	501	10.800	9.310	16.0	41680	503	14.700	12.300	19.5	43550	502	38.000	33.100	14.8
41604	502	9.150	7.660	19.5	41696	501	0.730	0.740	-1.4	43550	503	32.400	28.300	14.5
41604	503	11.000	9.230	19.2	41696	502	0.510	0.520	-1.9	43551	501	30.100	27.000	11.5
41620	501	1.120	1.130	-0.9	41696	503	0.440	0.460	-4.3	43551	502	21.100	18.400	14.7
41620	502	0.770	0.790	-2.5	41697	501	0.510	0.520	-1.9	43551	503	18.000	15.700	14.6
41620	503	0.680	0.710	-4.2	41697	502	0.350	0.360	-2.8	43626	501	6.450	5.700	13.2
41650	501	27.700	23.900	15.9	41697	503	0.310	0.320	-3.1	43626	502	6.370	5.480	16.2
41650	502	23.500	19.600	19.9	41715	501	9.140	7.880	16.0	43626	503	8.040	6.930	16.0
41650	503	28.200	23.700	19.0	41715	502	7.740	6.480	19.4	43628	501	83.800	74.100	13.1
41664	501	18.800	16.600	13.3	41715	503	9.300	7.810	19.1	43628	502	82.800	71.200	16.3
41664	502	18.600	16.000	16.2	41716	501	5.820	5.010	16.2	43628	503	104.000	90.100	15.4
41664	503	23.400	20.200	15.8	41716	502	4.930	4.120	19.7	43629	501	71.000	62.800	13.1
41665	501	2.200	1.950	12.8	41716	503	5.920	4.970	19.1	43629	502	70.200	60.300	16.4
41665	502	2.180	1.870	16.6	43151	501	14.600	13.100	11.5	43629	503	88.500	76.300	16.0
41665	503	2.750	2.370	16.0	43151	502	10.200	8.890	14.7	43760	501	2.370	2.090	13.4
41667	501	51.500	45.500	13.2	43151	503	8.700	7.600	14.5	43760	502	2.340	2.010	16.4
41667	502	50.800	43.700	16.2	43152	501	10.400	9.180	13.3	43760	503	2.950	2.540	16.1
41667	503	64.100	55.300	15.9	43152	502	13.500	11.500	17.4	43822	501	3.350	3.390	-1.2
41668	501	48.200	42.700	12.9	43152	503	15.600	13.400	16.4	43822	502	2.320	2.360	-1.7
41668	502	47.700	41.000	16.3	43200	501	55.600	49.800	11.6	43822	503	2.030	2.110	-3.8
41668	503	60.100	51.800	16.0	43200	502	38.900	33.800	15.1	43840	501	0.042	0.042	0.0
41669	501	0.340	0.300	13.3	43200	503	33.100	28.900	14.5	43840	502	0.029	0.029	0.0
41669	502	0.330	0.290	13.8	43421	501	15.200	13.700	10.9	43840	503	0.025	0.026	-3.8
41669	503	0.420	0.360	16.7	43421	502	10.700	9.270	15.4	43860	501	2.660	2.700	-1.5
41670	501	0.570	0.500	14.0	43421	503	9.080	7.920	14.6	43860	502	1.840	1.880	-2.1
41670	502	0.560	0.480	16.7	43422	501	79.900	71.600	11.6	43860	503	1.620	1.680	-3.6
41670	503	0.710	0.610	16.4	43422	502	55.900	48.700	14.8	43889	501	0.950	0.970	-2.1
41677	501	0.229	0.231	-0.9	43422	503	47.600	41.600	14.4	43889	502	0.660	0.670	-1.5
41677	502	0.159	0.161	-1.2	43470	501	4.250	4.310	-1.4	43889	503	0.580	0.600	-3.3
41677	503	0.139	0.144	-3.5	43470	502	2.940	3.000	-2.0	44009	501	1.880	1.710	9.9
41678	501	34.900	30.700	13.7	43470	503	2.580	2.690	-4.1	44009	502	2.870	2.520	13.9
41678	502	45.000	38.400	17.2	43518	501	8.070	7.140	13.0	44009	503	2.830	2.480	14.1
41678	503	52.200	44.700	16.8	43518	502	7.980	6.860	16.3	44069	501	6.900	6.100	13.1
41680	501	14.400	12.400	16.1	43518	503	10.100	8.680	16.4	44069	502	6.810	5.860	16.2
41680	502	12.200	10.200	19.6	43550	501	54.300	48.700	11.5	44069	503	8.590	7.410	15.9

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44070	501	2.040	1.810	12.7	44111	503	2.190	1.890	15.9	44432	502	0.460	0.390	17.9
44070	502	2.020	1.730	16.8	44112	501	0.970	0.860	12.8	44432	503	1.090	0.920	18.5
44070	503	2.540	2.190	16.0	44112	502	1.140	0.980	16.3	44433	501	12.100	10.700	13.1
44071	501	2.270	2.010	12.9	44112	503	1.300	1.120	16.1	44433	502	14.700	12.400	18.5
44071	502	2.240	1.930	16.1	44276	501	74.600	66.900	11.5	44433	503	34.800	29.500	18.0
44071	503	2.830	2.440	16.0	44276	502	52.200	45.400	15.0	44434	501	23.200	20.400	13.7
44072	501	1.570	1.390	12.9	44276	503	44.500	38.800	14.7	44434	502	28.100	23.600	19.1
44072	502	1.550	1.330	16.5	44277	501	48.300	43.400	11.3	44434	503	66.500	56.400	17.9
44072	503	1.950	1.690	15.4	44277	502	33.800	29.400	15.0	44435	501	24.000	21.200	13.2
44100	501	2.910	2.580	12.8	44277	503	28.800	25.200	14.3	44435	502	29.100	24.500	18.8
44100	502	3.430	2.950	16.3	44280	501	0.229	0.231	-0.9	44435	503	68.800	58.300	18.0
44100	503	3.890	3.360	15.8	44280	502	0.159	0.161	-1.2	44436	501	28.000	24.700	13.4
44101	501	3.030	2.690	12.6	44280	503	0.139	0.144	-3.5	44436	502	34.000	28.600	18.9
44101	502	3.570	3.080	15.9	44311	501	4.170	3.680	13.3	44436	503	80.400	68.200	17.9
44101	503	4.050	3.500	15.7	44311	502	4.120	3.540	16.4	44437	501	23.200	20.500	13.2
44102	501	2.370	2.100	12.9	44311	503	5.190	4.480	15.8	44437	502	28.200	23.700	19.0
44102	502	2.790	2.400	16.2	44315	501	2.800	2.480	12.9	44437	503	66.600	56.500	17.9
44102	503	3.160	2.730	15.8	44315	502	2.770	2.380	16.4	44438	501	18.400	16.200	13.6
44103	501	2.090	1.860	12.4	44315	503	3.490	3.010	15.9	44438	502	22.300	18.700	19.3
44103	502	2.470	2.120	16.5	44427	501	35.900	31.600	13.6	44438	503	52.700	44.600	18.2
44103	503	2.790	2.420	15.3	44427	502	43.500	36.600	18.9	44439	501	35.700	31.500	13.3
44104	501	0.880	0.780	12.8	44427	503	103.000	87.100	18.3	44439	502	43.400	36.500	18.9
44104	502	1.040	0.890	16.9	44428	501	36.100	31.800	13.5	44439	503	103.000	86.900	18.5
44104	503	1.170	1.020	14.7	44428	502	43.700	36.800	18.8	44440	501	29.600	26.100	13.4
44108	501	1.030	0.910	13.2	44428	503	103.000	87.600	17.6	44440	502	35.900	30.200	18.9
44108	502	1.210	1.050	15.2	44429	501	0.540	0.480	12.5	44440	503	84.800	71.900	17.9
44108	503	1.380	1.190	16.0	44429	502	0.660	0.550	20.0	45190	501	2.400	2.410	-0.4
44109	501	2.610	2.310	13.0	44429	503	1.550	1.310	18.3	45190	502	1.300	1.270	2.4
44109	502	3.070	2.650	15.8	44430	501	0.380	0.330	15.2	45190	503	1.890	1.850	2.2
44109	503	3.480	3.010	15.6	44430	502	0.460	0.380	21.1	45191	501	1.700	1.710	-0.6
44110	501	2.670	2.370	12.7	44430	503	1.080	0.910	18.7	45191	502	0.930	0.900	3.3
44110	502	3.140	2.710	15.9	44431	501	1.200	1.060	13.2	45191	503	1.340	1.310	2.3
44110	503	3.560	3.080	15.6	44431	502	1.460	1.220	19.7	45192	501	1.990	2.000	-0.5
44111	501	1.640	1.450	13.1	44431	503	3.440	2.920	17.8	45192	502	1.080	1.060	1.9
44111	502	1.930	1.660	16.3	44432	501	0.380	0.340	11.8	45192	503	1.570	1.530	2.6

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45193	501	1.170	1.180	-0.8	46004	503	26.800	22.500	19.1	46700	502	78.200	68.100	14.8
45193	502	0.640	0.620	3.2	46005	501	21.000	18.100	16.0	46700	503	66.600	58.200	14.4
45193	503	0.920	0.910	1.1	46005	502	17.800	14.900	19.5	46911	501	12.800	11.300	13.3
45210	501	1.490	1.490	0.0	46005	503	21.400	18.000	18.9	46911	502	12.600	10.800	16.7
45210	502	0.810	0.790	2.5	46112	501	0.039	0.034	14.7	46911	503	15.900	13.700	16.1
45210	503	1.170	1.150	1.7	46112	502	0.047	0.040	17.5	46912	501	23.400	20.700	13.0
45334	501	32.000	28.700	11.5	46112	503	0.112	0.095	17.9	46912	502	23.100	19.900	16.1
45334	502	22.400	19.500	14.9	46202	501	3.050	3.060	-0.3	46912	503	29.100	25.100	15.9
45334	503	19.100	16.700	14.4	46202	502	1.660	1.620	2.5	47050	501	0.910	0.930	-2.2
45380	501	0.144	0.137	5.1	46202	503	2.400	2.350	2.1	47050	502	0.630	0.640	-1.6
45380	502	0.136	0.128	6.3	46362	501	122.000	107.000	14.0	47050	503	0.550	0.570	-3.5
45380	503	0.159	0.154	3.2	46362	502	157.000	134.000	17.2	47221	501	123.000	110.000	11.8
45450	501	9.420	8.440	11.6	46362	503	182.000	156.000	16.7	47221	502	85.800	74.600	15.0
45450	502	6.590	5.730	15.0	46426	501	17.800	15.600	14.1	47221	503	73.100	63.800	14.6
45450	503	5.620	4.900	14.7	46426	502	23.000	19.600	17.3	47318	501	5.250	4.640	13.1
45678	501	0.250	0.250	0.0	46426	503	26.600	22.800	16.7	47318	502	5.180	4.460	16.1
45678	502	0.173	0.176	-1.7	46427	501	23.800	20.900	13.9	47318	503	6.540	5.640	16.0
45678	503	0.151	0.158	-4.4	46427	502	30.700	26.100	17.6	47367	501	0.229	0.231	-0.9
45771	501	0.220	0.208	5.8	46427	503	35.600	30.500	16.7	47367	502	0.159	0.161	-1.2
45771	502	0.207	0.196	5.6	46603	501	1.490	1.310	13.7	47367	503	0.139	0.144	-3.5
45771	503	0.243	0.235	3.4	46603	502	1.930	1.640	17.7	47420	501	1.150	1.020	12.7
45819	501	0.071	0.068	4.4	46603	503	2.230	1.910	16.8	47420	502	1.140	0.980	16.3
45819	502	0.067	0.064	4.7	46604	501	1.720	1.510	13.9	47420	503	1.430	1.240	15.3
45819	503	0.079	0.076	3.9	46604	502	2.220	1.890	17.5	47469	501	4.150	3.580	15.9
45900	501	0.043	0.039	10.3	46604	503	2.580	2.210	16.7	47469	502	3.520	2.950	19.3
45900	502	0.080	0.070	14.3	46606	501	4.590	4.030	13.9	47469	503	4.230	3.550	19.2
45900	503	0.052	0.046	13.0	46606	502	5.930	5.050	17.4	47471	501	3.600	3.100	16.1
45901	501	0.037	0.034	8.8	46606	503	6.870	5.890	16.6	47471	502	3.050	2.550	19.6
45901	502	0.069	0.060	15.0	46607	501	6.310	5.550	13.7	47471	503	3.660	3.080	18.8
45901	503	0.045	0.039	15.4	46607	502	8.150	6.950	17.3	47473	501	4.710	4.060	16.0
45937	501	0.126	0.113	11.5	46607	503	9.450	8.090	16.8	47473	502	3.990	3.340	19.5
45937	502	0.088	0.076	15.8	46622	501	9.880	10.000	-1.2	47473	503	4.790	4.020	19.2
45937	503	0.075	0.065	15.4	46622	502	6.840	6.970	-1.9	47474	501	5.260	4.540	15.9
46004	501	26.300	22.700	15.9	46622	503	6.000	6.250	-4.0	47474	502	4.460	3.730	19.6
46004	502	22.300	18.700	19.3	46700	501	112.000	100.000	12.0	47474	503	5.350	4.500	18.9

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47475	501	4.150	3.580	15.9	48637	503	6.820	5.890	15.8	49333	502	4.830	4.210	14.7
47475	502	3.520	2.950	19.3	48638	501	2.720	2.400	13.3	49333	503	4.120	3.590	14.8
47475	503	4.230	3.550	19.2	48638	502	2.690	2.310	16.5	49617	501	0.127	0.115	10.4
47476	501	4.150	3.580	15.9	48638	503	3.390	2.920	16.1	49617	502	0.194	0.170	14.1
47476	502	3.520	2.950	19.3	48808	501	0.640	0.580	10.3	49617	503	0.191	0.168	13.7
47476	503	4.230	3.550	19.2	48808	502	1.180	1.030	14.6	49618	501	0.107	0.097	10.3
47477	501	5.540	4.780	15.9	48808	503	0.770	0.670	14.9	49618	502	0.163	0.143	14.0
47477	502	4.690	3.930	19.3	48925	501	131.000	116.000	12.9	49618	503	0.160	0.141	13.5
47477	503	5.640	4.730	19.2	48925	502	129.000	111.000	16.2	49619	501	0.201	0.182	10.4
47478	501	5.820	5.010	16.2	48925	503	163.000	141.000	15.6	49619	502	0.310	0.270	14.8
47478	502	4.930	4.120	19.7	49005	501	0.157	0.159	-1.3	49619	503	0.300	0.260	15.4
47478	503	5.920	4.970	19.1	49005	502	0.109	0.111	-1.8	49763	501	1.310	1.180	11.0
48039	501	39.400	35.300	11.6	49005	503	0.095	0.099	-4.0	49763	502	1.990	1.750	13.7
48039	502	27.600	24.000	15.0	49111	501	0.980	0.880	11.4	49763	503	1.960	1.720	14.0
48039	503	23.500	20.500	14.6	49111	502	1.810	1.580	14.6	49801	501	108.000	96.800	11.6
48206	501	17.100	15.100	13.2	49111	503	1.170	1.030	13.6	49801	502	75.600	65.800	14.9
48206	502	16.900	14.500	16.6	49181	501	12.900	11.500	12.2	49801	503	64.400	56.200	14.6
48206	503	21.300	18.300	16.4	49181	502	9.010	7.840	14.9	49802	501	9.570	8.590	11.4
48441	501	0.072	0.063	14.3	49181	503	7.680	6.700	14.6	49802	502	6.700	5.830	14.9
48441	502	0.071	0.061	16.4	49183	501	15.700	14.100	11.3	49802	503	5.710	4.980	14.7
48441	503	0.089	0.077	15.6	49183	502	11.000	9.560	15.1	49803	501	17.000	15.200	11.8
48557	501	7.170	6.340	13.1	49183	503	9.360	8.170	14.6	49803	502	11.900	10.300	15.5
48557	502	7.080	6.090	16.3	49184	501	33.100	29.700	11.4	49803	503	10.100	8.820	14.5
48557	503	8.930	7.700	16.0	49184	502	23.200	20.200	14.9	49840	501	0.950	0.970	-2.1
48558	501	6.230	5.510	13.1	49184	503	19.700	17.200	14.5	49840	502	0.660	0.670	-1.5
48558	502	6.160	5.290	16.4	49185	501	30.100	27.000	11.5	49840	503	0.580	0.600	-3.3
48558	503	7.770	6.700	16.0	49185	502	21.100	18.400	14.7	49870	501	54.800	48.400	13.2
48600	501	35.600	31.300	13.7	49185	503	18.000	15.700	14.6	49870	502	54.100	46.500	16.3
48600	502	45.900	39.200	17.1	49239	501	0.108	0.102	5.9	49870	503	68.200	58.900	15.8
48600	503	53.300	45.600	16.9	49239	502	0.102	0.096	6.3	50010	501	0.147	0.156	-5.8
48636	501	1.000	0.990	1.0	49239	503	0.119	0.115	3.5	50010	502	0.137	0.144	-4.9
48636	502	0.970	0.970	0.0	49292	501	0.940	0.840	11.9	50010	503	0.074	0.082	-9.8
48636	503	0.820	0.840	-2.4	49292	502	0.660	0.570	15.8	50015	501	0.095	0.101	-5.9
48637	501	5.480	4.840	13.2	49292	503	0.560	0.490	14.3	50015	502	0.089	0.093	-4.3
48637	502	5.410	4.650	16.3	49333	501	6.910	6.190	11.6	50015	503	0.048	0.053	-9.4

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50017	501	0.073	0.077	-5.2	51221	503	0.095	0.097	-2.1	51300	502	0.091	0.091	0.0
50017	502	0.068	0.071	-4.2	51222	501	0.140	0.139	0.7	51300	503	0.056	0.057	-1.8
50017	503	0.036	0.041	-12.2	51222	502	0.136	0.136	0.0	51305	501	0.102	0.101	1.0
50045	501	0.166	0.177	-6.2	51222	503	0.116	0.118	-1.7	51305	502	0.091	0.091	0.0
50045	502	0.155	0.162	-4.3	51224	501	0.147	0.146	0.7	51305	503	0.056	0.057	-1.8
50045	503	0.083	0.093	-10.8	51224	502	0.143	0.142	0.7	51315	501	0.070	0.066	6.1
50047	501	0.019	0.020	-5.0	51224	503	0.121	0.123	-1.6	51315	502	0.066	0.062	6.5
50047	502	0.017	0.018	-5.6	51230	501	0.025	0.025	0.0	51315	503	0.077	0.075	2.7
50047	503	0.009	0.010	-10.0	51230	502	0.024	0.024	0.0	51330	501	0.061	0.061	0.0
51001	501	0.035	0.034	2.9	51230	503	0.021	0.021	0.0	51330	502	0.060	0.060	0.0
51001	502	0.034	0.034	0.0	51240	501	0.300	0.320	-6.3	51330	503	0.051	0.052	-1.9
51001	503	0.029	0.029	0.0	51240	502	0.280	0.300	-6.7	51333	501	0.020	0.020	0.0
51005	501	0.007	0.007	0.0	51240	503	0.151	0.168	-10.1	51333	502	0.020	0.020	0.0
51005	502	0.007	0.007	0.0	51241	501	0.900	0.950	-5.3	51333	503	0.017	0.017	0.0
51005	503	0.006	0.006	0.0	51241	502	0.840	0.880	-4.5	51340	501	0.025	0.026	-3.8
51116	501	0.087	0.087	0.0	51241	503	0.450	0.500	-10.0	51340	502	0.023	0.024	-4.2
51116	502	0.085	0.085	0.0	51250	501	0.159	0.158	0.6	51340	503	0.012	0.014	-14.3
51116	503	0.072	0.073	-1.4	51250	502	0.155	0.155	0.0	51350	501	0.171	0.170	0.6
51201	501	0.025	0.027	-7.4	51250	503	0.132	0.134	-1.5	51350	502	0.154	0.152	1.3
51201	502	0.023	0.025	-8.0	51251	501	0.026	0.028	-7.1	51350	503	0.094	0.096	-2.1
51201	503	0.013	0.014	-7.1	51251	502	0.024	0.025	-4.0	51351	501	0.153	0.152	0.7
51205	501	0.076	0.081	-6.2	51251	503	0.013	0.014	-7.1	51351	502	0.138	0.136	1.5
51205	502	0.071	0.075	-5.3	51252	501	0.091	0.097	-6.2	51351	503	0.085	0.086	-1.2
51205	503	0.038	0.043	-11.6	51252	502	0.085	0.089	-4.5	51352	501	0.211	0.208	1.4
51206	501	0.012	0.013	-7.7	51252	503	0.046	0.051	-9.8	51352	502	0.189	0.187	1.1
51206	502	0.011	0.012	-8.3	51253	501	0.078	0.083	-6.0	51352	503	0.116	0.118	-1.7
51206	503	0.006	0.007	-14.3	51253	502	0.072	0.076	-5.3	51355	501	0.143	0.142	0.7
51210	501	0.060	0.060	0.0	51253	503	0.039	0.043	-9.3	51355	502	0.129	0.127	1.6
51210	502	0.059	0.059	0.0	51254	501	0.024	0.026	-7.7	51355	503	0.079	0.080	-1.3
51210	503	0.050	0.051	-2.0	51254	502	0.023	0.024	-4.2	51356	501	0.155	0.153	1.3
51220	501	0.207	0.205	1.0	51254	503	0.012	0.014	-14.3	51356	502	0.139	0.137	1.5
51220	502	0.202	0.201	0.5	51255	501	0.400	0.400	0.0	51356	503	0.085	0.086	-1.2
51220	503	0.171	0.174	-1.7	51255	502	0.390	0.390	0.0	51357	501	0.099	0.094	5.3
51221	501	0.115	0.114	0.9	51255	503	0.330	0.340	-2.9	51357	502	0.094	0.089	5.6
51221	502	0.112	0.112	0.0	51300	501	0.102	0.101	1.0	51357	503	0.110	0.106	3.8

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
51358	501	0.239	0.227	5.3	51552	503	0.021	0.023	-8.7	51741	502	0.146	0.154	-5.2
51358	502	0.226	0.213	6.1	51553	501	0.074	0.079	-6.3	51741	503	0.079	0.088	-10.2
51358	503	0.260	0.260	0.0	51553	502	0.069	0.072	-4.2	51752	501	0.132	0.141	-6.4
51359	501	0.210	0.199	5.5	51553	503	0.037	0.041	-9.8	51752	502	0.123	0.130	-5.4
51359	502	0.198	0.187	5.9	51554	501	0.007	0.007	0.0	51752	503	0.066	0.074	-10.8
51359	503	0.232	0.225	3.1	51554	502	0.007	0.007	0.0	51767	501	0.021	0.021	0.0
51370	501	0.290	0.310	-6.5	51554	503	0.004	0.004	0.0	51767	502	0.019	0.019	0.0
51370	502	0.270	0.290	-6.9	51575	501	0.046	0.045	2.2	51767	503	0.012	0.012	0.0
51370	503	0.148	0.164	-9.8	51575	502	0.041	0.041	0.0	51777	501	0.074	0.073	1.4
51380	501	0.029	0.031	-6.5	51575	503	0.025	0.026	-3.8	51777	502	0.066	0.066	0.0
51380	502	0.027	0.029	-6.9	51576	501	0.132	0.141	-6.4	51777	503	0.041	0.041	0.0
51380	503	0.015	0.016	-6.3	51576	502	0.123	0.130	-5.4	51790	501	0.123	0.122	0.8
51400	501	0.144	0.143	0.7	51576	503	0.066	0.074	-10.8	51790	502	0.111	0.109	1.8
51400	502	0.140	0.140	0.0	51600	501	0.090	0.096	-6.2	51790	503	0.068	0.069	-1.4
51400	503	0.119	0.121	-1.7	51600	502	0.084	0.088	-4.5	51796	501	0.057	0.061	-6.6
51401	501	0.212	0.210	1.0	51600	503	0.045	0.050	-10.0	51796	502	0.053	0.056	-5.4
51401	502	0.207	0.206	0.5	51613	501	0.060	0.063	-4.8	51796	503	0.029	0.032	-9.4
51401	503	0.175	0.178	-1.7	51613	502	0.055	0.058	-5.2	51808	501	0.203	0.216	-6.0
51500	501	0.056	0.059	-5.1	51613	503	0.030	0.033	-9.1	51808	502	0.189	0.199	-5.0
51500	502	0.052	0.054	-3.7	51625	501	0.032	0.031	3.2	51808	503	0.102	0.114	-10.5
51500	503	0.028	0.031	-9.7	51625	502	0.031	0.031	0.0	51809	501	0.250	0.270	-7.4
51516	501	0.069	0.070	-1.4	51625	503	0.026	0.027	-3.7	51809	502	0.235	0.247	-4.9
51516	502	0.048	0.049	-2.0	51666	501	0.073	0.072	1.4	51809	503	0.127	0.141	-9.9
51516	503	0.042	0.044	-4.5	51666	502	0.065	0.065	0.0	51833	501	0.111	0.110	0.9
51517	501	0.079	0.080	-1.3	51666	503	0.040	0.041	-2.4	51833	502	0.100	0.098	2.0
51517	502	0.054	0.055	-1.8	51702	501	0.095	0.094	1.1	51833	503	0.061	0.062	-1.6
51517	503	0.048	0.050	-4.0	51702	502	0.093	0.092	1.1	51850	501	0.149	0.147	1.4
51550	501	0.069	0.073	-5.5	51702	503	0.079	0.080	-1.3	51850	502	0.145	0.144	0.7
51550	502	0.064	0.067	-4.5	51703	501	0.039	0.039	0.0	51850	503	0.123	0.125	-1.6
51550	503	0.035	0.038	-7.9	51703	502	0.038	0.038	0.0	51851	501	0.101	0.100	1.0
51551	501	0.024	0.025	-4.0	51703	503	0.033	0.033	0.0	51851	502	0.098	0.098	0.0
51551	502	0.022	0.023	-4.3	51734	501	0.074	0.073	1.4	51851	503	0.083	0.085	-2.4
51551	503	0.012	0.013	-7.7	51734	502	0.072	0.072	0.0	51852	501	0.236	0.234	0.9
51552	501	0.041	0.044	-6.8	51734	503	0.061	0.062	-1.6	51852	502	0.230	0.229	0.4
51552	502	0.039	0.041	-4.9	51741	501	0.157	0.167	-6.0	51852	503	0.195	0.198	-1.5

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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
51853	501	0.095	0.094	1.1	51919	503	0.032	0.035	-8.6	51982	502	0.035	0.037	-5.4
51853	502	0.093	0.092	1.1	51926	501	0.064	0.068	-5.9	51982	503	0.019	0.021	-9.5
51853	503	0.079	0.080	-1.3	51926	502	0.060	0.063	-4.8	51985	501	0.065	0.066	-1.5
51854	501	0.213	0.211	0.9	51926	503	0.032	0.036	-11.1	51985	502	0.045	0.046	-2.2
51854	502	0.208	0.207	0.5	51927	501	0.035	0.037	-5.4	51985	503	0.039	0.041	-4.9
51854	503	0.176	0.179	-1.7	51927	502	0.032	0.034	-5.9	51986	501	0.147	0.156	-5.8
51855	501	0.223	0.222	0.5	51927	503	0.017	0.019	-10.5	51986	502	0.137	0.144	-4.9
51855	502	0.218	0.217	0.5	51934	501	0.070	0.075	-6.7	51986	503	0.074	0.082	-9.8
51855	503	0.185	0.188	-1.6	51934	502	0.066	0.069	-4.3	51999	501	0.062	0.066	-6.1
51856	501	0.123	0.122	0.8	51934	503	0.035	0.039	-10.3	51999	502	0.058	0.060	-3.3
51856	502	0.120	0.119	0.8	51941	501	0.064	0.068	-5.9	51999	503	0.031	0.035	-11.4
51856	503	0.102	0.103	-1.0	51941	502	0.060	0.062	-3.2	52002	501	0.054	0.058	-6.9
51857	501	0.210	0.208	1.0	51941	503	0.032	0.036	-11.1	52002	502	0.051	0.053	-3.8
51857	502	0.205	0.204	0.5	51942	501	0.102	0.109	-6.4	52002	503	0.027	0.030	-10.0
51857	503	0.174	0.177	-1.7	51942	502	0.095	0.100	-5.0	52075	501	0.117	0.116	0.9
51869	501	0.067	0.072	-6.9	51942	503	0.051	0.057	-10.5	52075	502	0.114	0.114	0.0
51869	502	0.063	0.066	-4.5	51956	501	0.280	0.290	-3.4	52075	503	0.097	0.098	-1.0
51869	503	0.034	0.038	-10.5	51956	502	0.260	0.270	-3.7	52076	501	0.141	0.140	0.7
51877	501	0.380	0.400	-5.0	51956	503	0.138	0.154	-10.4	52076	502	0.137	0.137	0.0
51877	502	0.350	0.370	-5.4	51957	501	0.243	0.260	-6.5	52076	503	0.117	0.119	-1.7
51877	503	0.190	0.212	-10.4	51957	502	0.226	0.238	-5.0	52109	501	0.014	0.015	-6.7
51889	501	0.062	0.066	-6.1	51957	503	0.122	0.136	-10.3	52109	502	0.013	0.013	0.0
51889	502	0.058	0.061	-4.9	51958	501	0.216	0.230	-6.1	52109	503	0.007	0.008	-12.5
51889	503	0.031	0.035	-11.4	51958	502	0.201	0.211	-4.7	52134	501	0.182	0.193	-5.7
51896	501	0.029	0.031	-6.5	51958	503	0.108	0.121	-10.7	52134	502	0.169	0.178	-5.1
51896	502	0.027	0.029	-6.9	51959	501	0.221	0.235	-6.0	52134	503	0.091	0.101	-9.9
51896	503	0.015	0.016	-6.3	51959	502	0.206	0.216	-4.6	52137	501	0.046	0.046	0.0
51900	501	0.083	0.082	1.2	51959	503	0.111	0.123	-9.8	52137	502	0.045	0.045	0.0
51900	502	0.074	0.074	0.0	51960	501	0.029	0.031	-6.5	52137	503	0.038	0.039	-2.6
51900	503	0.046	0.046	0.0	51960	502	0.027	0.029	-6.9	52150	501	0.330	0.360	-8.3
51909	501	0.134	0.133	0.8	51960	503	0.015	0.016	-6.3	52150	502	0.310	0.330	-6.1
51909	502	0.131	0.130	0.8	51970	501	0.127	0.135	-5.9	52150	503	0.168	0.187	-10.2
51909	503	0.111	0.113	-1.8	51970	502	0.118	0.124	-4.8	52315	501	0.096	0.095	1.1
51919	501	0.063	0.067	-6.0	51970	503	0.064	0.071	-9.9	52315	502	0.086	0.086	0.0
51919	502	0.059	0.062	-4.8	51982	501	0.037	0.040	-7.5	52315	503	0.053	0.054	-1.9

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52341	501	0.029	0.029	0.0	52469	503	0.014	0.016	-12.5	53095	502	0.044	0.046	-4.3
52341	502	0.028	0.028	0.0	52505	501	0.142	0.151	-6.0	53095	503	0.024	0.026	-7.7
52341	503	0.024	0.024	0.0	52505	502	0.133	0.139	-4.3	53096	501	0.065	0.070	-7.1
52342	501	0.083	0.083	0.0	52505	503	0.071	0.079	-10.1	53096	502	0.061	0.064	-4.7
52342	502	0.081	0.081	0.0	52547	501	0.136	0.135	0.7	53096	503	0.033	0.036	-8.3
52342	503	0.069	0.070	-1.4	52547	502	0.133	0.132	0.8	53121	501	0.186	0.198	-6.1
52343	501	0.051	0.050	2.0	52547	503	0.113	0.115	-1.7	53121	502	0.173	0.182	-4.9
52343	502	0.050	0.049	2.0	52581	501	0.690	0.740	-6.8	53121	503	0.093	0.104	-10.6
52343	503	0.042	0.043	-2.3	52581	502	0.650	0.680	-4.4	53147	501	0.021	0.021	0.0
52401	501	0.157	0.156	0.6	52581	503	0.350	0.390	-10.3	53147	502	0.021	0.020	5.0
52401	502	0.153	0.153	0.0	52619	501	0.049	0.052	-5.8	53147	503	0.017	0.018	-5.6
52401	503	0.130	0.132	-1.5	52619	502	0.045	0.048	-6.3	53229	501	0.118	0.117	0.9
52402	501	0.014	0.015	-6.7	52619	503	0.024	0.027	-11.1	53229	502	0.115	0.114	0.9
52402	502	0.013	0.013	0.0	52660	501	0.082	0.083	-1.2	53229	503	0.098	0.099	-1.0
52402	503	0.007	0.008	-12.5	52660	502	0.057	0.058	-1.7	53271	501	0.035	0.037	-5.4
52432	501	0.068	0.072	-5.6	52660	503	0.050	0.052	-3.8	53271	502	0.033	0.034	-2.9
52432	502	0.063	0.066	-4.5	52744	501	0.420	0.420	0.0	53271	503	0.018	0.020	-10.0
52432	503	0.034	0.038	-10.5	52744	502	0.380	0.380	0.0	53333	501	0.116	0.115	0.9
52433	501	0.062	0.066	-6.1	52744	503	0.234	0.237	-1.3	53333	502	0.113	0.113	0.0
52433	502	0.058	0.061	-4.9	52767	501	0.125	0.124	0.8	53333	503	0.096	0.098	-2.0
52433	503	0.031	0.035	-11.4	52767	502	0.122	0.121	0.8	53374	501	0.112	0.111	0.9
52435	501	0.078	0.083	-6.0	52767	503	0.103	0.105	-1.9	53374	502	0.101	0.099	2.0
52435	502	0.073	0.076	-3.9	52911	501	0.039	0.041	-4.9	53374	503	0.062	0.063	-1.6
52435	503	0.039	0.043	-9.3	52911	502	0.036	0.038	-5.3	53375	501	0.059	0.059	0.0
52438	501	0.056	0.060	-6.7	52911	503	0.019	0.022	-13.6	53375	502	0.053	0.053	0.0
52438	502	0.052	0.055	-5.5	52967	501	0.015	0.016	-6.3	53375	503	0.033	0.033	0.0
52438	503	0.028	0.031	-9.7	52967	502	0.014	0.014	0.0	53376	501	0.095	0.094	1.1
52440	501	0.088	0.094	-6.4	52967	503	0.007	0.008	-12.5	53376	502	0.085	0.085	0.0
52440	502	0.082	0.086	-4.7	53001	501	0.143	0.152	-5.9	53376	503	0.052	0.053	-1.9
52440	503	0.044	0.049	-10.2	53001	502	0.133	0.140	-5.0	53377	501	0.097	0.096	1.0
52467	501	0.082	0.087	-5.7	53001	503	0.072	0.080	-10.0	53377	502	0.087	0.087	0.0
52467	502	0.076	0.080	-5.0	53077	501	0.069	0.073	-5.5	53377	503	0.054	0.054	0.0
52467	503	0.041	0.046	-10.9	53077	502	0.064	0.067	-4.5	53403	501	0.062	0.061	1.6
52469	501	0.029	0.030	-3.3	53077	503	0.034	0.038	-10.5	53403	502	0.055	0.055	0.0
52469	502	0.027	0.028	-3.6	53095	501	0.047	0.050	-6.0	53403	503	0.034	0.034	0.0

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53425	501	0.109	0.108	0.9	54077	503	0.047	0.052	-9.6	55715	502	0.136	0.143	-4.9
53425	502	0.107	0.106	0.9	55010	501	0.280	0.300	-6.7	55715	503	0.073	0.081	-9.9
53425	503	0.091	0.092	-1.1	55010	502	0.260	0.280	-7.1	55716	501	0.211	0.224	-5.8
53565	501	0.072	0.071	1.4	55010	503	0.141	0.157	-10.2	55716	502	0.197	0.206	-4.4
53565	502	0.064	0.064	0.0	55011	501	0.076	0.081	-6.2	55716	503	0.106	0.118	-10.2
53565	503	0.040	0.040	0.0	55011	502	0.071	0.074	-4.1	55717	501	0.158	0.157	0.6
53631	501	0.022	0.023	-4.3	55011	503	0.038	0.043	-11.6	55717	502	0.154	0.154	0.0
53631	502	0.020	0.021	-4.8	55012	501	0.091	0.097	-6.2	55717	503	0.131	0.133	-1.5
53631	503	0.011	0.012	-8.3	55012	502	0.085	0.089	-4.5	55718	501	0.153	0.152	0.7
53632	501	0.025	0.026	-3.8	55012	503	0.045	0.051	-11.8	55718	502	0.150	0.149	0.7
53632	502	0.023	0.024	-4.2	55013	501	0.099	0.098	1.0	55718	503	0.127	0.129	-1.6
53632	503	0.012	0.014	-14.3	55013	502	0.096	0.096	0.0	55802	501	0.074	0.073	1.4
53731	501	0.023	0.024	-4.2	55013	503	0.082	0.083	-1.2	55802	502	0.066	0.066	0.0
53731	502	0.021	0.022	-4.5	55214	501	0.074	0.078	-5.1	55802	503	0.041	0.041	0.0
53731	503	0.011	0.013	-15.4	55214	502	0.069	0.072	-4.2	55918	501	0.083	0.089	-6.7
53732	501	0.155	0.165	-6.1	55214	503	0.037	0.041	-9.8	55918	502	0.078	0.082	-4.9
53732	502	0.145	0.152	-4.6	55371	501	0.290	0.280	3.6	55918	503	0.042	0.047	-10.6
53732	503	0.078	0.087	-10.3	55371	502	0.260	0.250	4.0	55919	501	0.011	0.012	-8.3
53733	501	0.101	0.107	-5.6	55371	503	0.157	0.160	-1.9	55919	502	0.011	0.011	0.0
53733	502	0.094	0.099	-5.1	55426	501	0.120	0.119	0.8	55919	503	0.006	0.006	0.0
53733	503	0.051	0.056	-8.9	55426	502	0.117	0.116	0.9	56040	501	0.008	0.008	0.0
53734	501	0.420	0.420	0.0	55426	503	0.099	0.101	-2.0	56040	502	0.007	0.008	-12.5
53734	502	0.290	0.290	0.0	55597	501	0.018	0.020	-10.0	56040	503	0.004	0.004	0.0
53734	503	0.250	0.260	-3.8	55597	502	0.017	0.018	-5.6	56041	501	0.052	0.055	-5.5
53803	501	0.260	0.260	0.0	55597	503	0.009	0.010	-10.0	56041	502	0.048	0.051	-5.9
53803	502	0.250	0.250	0.0	55647	501	0.037	0.039	-5.1	56041	503	0.026	0.029	-10.3
53803	503	0.216	0.219	-1.4	55647	502	0.034	0.036	-5.6	56042	501	0.065	0.070	-7.1
53907	501	0.068	0.073	-6.8	55647	503	0.018	0.021	-14.3	56042	502	0.061	0.064	-4.7
53907	502	0.064	0.067	-4.5	55648	501	0.017	0.018	-5.6	56042	503	0.033	0.036	-8.3
53907	503	0.034	0.038	-10.5	55648	502	0.015	0.016	-6.3	56170	501	0.107	0.107	0.0
54012	501	0.042	0.042	0.0	55648	503	0.008	0.009	-11.1	56170	502	0.105	0.104	1.0
54012	502	0.029	0.029	0.0	55649	501	0.020	0.021	-4.8	56170	503	0.089	0.090	-1.1
54012	503	0.025	0.026	-3.8	55649	502	0.018	0.019	-5.3	56171	501	0.053	0.052	1.9
54077	501	0.093	0.099	-6.1	55649	503	0.010	0.011	-9.1	56171	502	0.051	0.051	0.0
54077	502	0.087	0.091	-4.4	55715	501	0.146	0.155	-5.8	56171	503	0.044	0.044	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
56202	501	0.052	0.055	-5.5	56690	503	0.035	0.036	-2.8	56912	502	0.076	0.075	1.3
56202	502	0.048	0.051	-5.9	56699	501	0.058	0.061	-4.9	56912	503	0.064	0.065	-1.5
56202	503	0.026	0.029	-10.3	56699	502	0.054	0.056	-3.6	56913	501	0.063	0.063	0.0
56390	501	0.091	0.097	-6.2	56699	503	0.029	0.032	-9.4	56913	502	0.062	0.061	1.6
56390	502	0.085	0.089	-4.5	56758	501	0.049	0.052	-5.8	56913	503	0.052	0.053	-1.9
56390	503	0.045	0.051	-11.8	56758	502	0.046	0.048	-4.2	56915	501	0.370	0.370	0.0
56391	501	0.078	0.083	-6.0	56758	503	0.025	0.027	-7.4	56915	502	0.370	0.360	2.8
56391	502	0.073	0.076	-3.9	56759	501	0.050	0.053	-5.7	56915	503	0.310	0.320	-3.1
56391	503	0.039	0.043	-9.3	56759	502	0.047	0.049	-4.1	56916	501	0.340	0.340	0.0
56427	501	0.125	0.133	-6.0	56759	503	0.025	0.028	-10.7	56916	502	0.330	0.330	0.0
56427	502	0.117	0.123	-4.9	56760	501	0.072	0.077	-6.5	56916	503	0.280	0.280	0.0
56427	503	0.063	0.070	-10.0	56760	502	0.067	0.070	-4.3	56917	501	0.098	0.097	1.0
56488	501	0.123	0.122	0.8	56760	503	0.036	0.040	-10.0	56917	502	0.095	0.095	0.0
56488	502	0.111	0.109	1.8	56805	501	0.095	0.101	-5.9	56917	503	0.081	0.082	-1.2
56488	503	0.068	0.069	-1.4	56805	502	0.088	0.093	-5.4	56918	501	0.047	0.047	0.0
56567	501	0.111	0.110	0.9	56805	503	0.048	0.053	-9.4	56918	502	0.046	0.046	0.0
56567	502	0.108	0.108	0.0	56806	501	0.067	0.071	-5.6	56918	503	0.039	0.040	-2.5
56567	503	0.092	0.094	-2.1	56806	502	0.063	0.066	-4.5	56919	501	0.120	0.119	0.8
56650	501	0.340	0.340	0.0	56806	503	0.034	0.037	-8.1	56919	502	0.117	0.116	0.9
56650	502	0.330	0.330	0.0	56807	501	0.067	0.071	-5.6	56919	503	0.099	0.101	-2.0
56650	503	0.280	0.290	-3.4	56807	502	0.062	0.065	-4.6	56920	501	0.109	0.108	0.9
56651	501	0.185	0.184	0.5	56807	503	0.033	0.037	-10.8	56920	502	0.107	0.106	0.9
56651	502	0.180	0.180	0.0	56808	501	0.087	0.092	-5.4	56920	503	0.091	0.092	-1.1
56651	503	0.153	0.156	-1.9	56808	502	0.081	0.085	-4.7	56980	501	0.072	0.077	-6.5
56652	501	0.132	0.131	0.8	56808	503	0.044	0.049	-10.2	56980	502	0.067	0.071	-5.6
56652	502	0.129	0.128	0.8	56900	501	0.083	0.089	-6.7	56980	503	0.036	0.040	-10.0
56652	503	0.110	0.111	-0.9	56900	502	0.078	0.082	-4.9	57001	501	0.025	0.026	-3.8
56653	501	0.128	0.126	1.6	56900	503	0.042	0.047	-10.6	57001	502	0.023	0.024	-4.2
56653	502	0.124	0.124	0.0	56910	501	0.042	0.044	-4.5	57001	503	0.012	0.014	-14.3
56653	503	0.106	0.107	-0.9	56910	502	0.039	0.041	-4.9	57002	501	0.016	0.017	-5.9
56654	501	0.065	0.065	0.0	56910	503	0.021	0.023	-8.7	57002	502	0.015	0.016	-6.3
56654	502	0.064	0.063	1.6	56911	501	0.096	0.095	1.1	57002	503	0.008	0.009	-11.1
56654	503	0.054	0.055	-1.8	56911	502	0.093	0.093	0.0	57090	501	0.175	0.174	0.6
56690	501	0.064	0.063	1.6	56911	503	0.079	0.081	-2.5	57090	502	0.171	0.170	0.6
56690	502	0.057	0.057	0.0	56912	501	0.078	0.077	1.3	57090	503	0.145	0.148	-2.0

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57146	501	0.111	0.110	0.9	57651	503	0.020	0.023	-13.0	57997	502	0.064	0.065	-1.5
57146	502	0.108	0.108	0.0	57690	501	0.075	0.074	1.4	57997	503	0.056	0.058	-3.4
57146	503	0.092	0.094	-2.1	57690	502	0.073	0.073	0.0	57998	501	0.044	0.047	-6.4
57202	501	0.064	0.068	-5.9	57690	503	0.062	0.063	-1.6	57998	502	0.041	0.043	-4.7
57202	502	0.060	0.063	-4.8	57716	501	0.035	0.035	0.0	57998	503	0.022	0.025	-12.0
57202	503	0.032	0.036	-11.1	57716	502	0.035	0.034	2.9	57999	501	0.049	0.049	0.0
57257	501	0.080	0.085	-5.9	57716	503	0.029	0.030	-3.3	57999	502	0.048	0.047	2.1
57257	502	0.074	0.078	-5.1	57725	501	0.078	0.077	1.3	57999	503	0.040	0.041	-2.4
57257	503	0.040	0.044	-9.1	57725	502	0.076	0.075	1.3	58009	501	0.049	0.049	0.0
57401	501	0.045	0.048	-6.3	57725	503	0.064	0.065	-1.5	58009	502	0.048	0.047	2.1
57401	502	0.042	0.044	-4.5	57726	501	0.060	0.060	0.0	58009	503	0.040	0.041	-2.4
57401	503	0.023	0.025	-8.0	57726	502	0.059	0.059	0.0	58010	501	0.103	0.110	-6.4
57403	501	0.151	0.150	0.7	57726	503	0.050	0.051	-2.0	58010	502	0.096	0.101	-5.0
57403	502	0.136	0.134	1.5	57798	501	0.021	0.022	-4.5	58010	503	0.052	0.057	-8.8
57403	503	0.083	0.084	-1.2	57798	502	0.019	0.020	-5.0	58020	501	0.162	0.161	0.6
57410	501	0.022	0.023	-4.3	57798	503	0.010	0.012	-16.7	58020	502	0.146	0.144	1.4
57410	502	0.020	0.021	-4.8	57800	501	0.077	0.082	-6.1	58020	503	0.090	0.091	-1.1
57410	503	0.011	0.012	-8.3	57800	502	0.072	0.076	-5.3	58056	501	0.123	0.131	-6.1
57411	501	0.027	0.027	0.0	57800	503	0.039	0.043	-9.3	58056	502	0.114	0.120	-5.0
57411	502	0.026	0.026	0.0	57808	501	0.030	0.029	3.4	58056	503	0.062	0.069	-10.1
57411	503	0.022	0.023	-4.3	57808	502	0.029	0.029	0.0	58057	501	0.077	0.082	-6.1
57572	501	0.013	0.014	-7.1	57808	503	0.025	0.025	0.0	58057	502	0.072	0.076	-5.3
57572	502	0.012	0.013	-7.7	57809	501	0.031	0.030	3.3	58057	503	0.039	0.043	-9.3
57572	503	0.006	0.007	-14.3	57809	502	0.030	0.030	0.0	58058	501	0.069	0.074	-6.8
57600	501	0.038	0.041	-7.3	57809	503	0.025	0.026	-3.8	58058	502	0.065	0.068	-4.4
57600	502	0.036	0.037	-2.7	57810	501	0.030	0.029	3.4	58058	503	0.035	0.039	-10.3
57600	503	0.019	0.021	-9.5	57810	502	0.029	0.029	0.0	58095	501	0.098	0.104	-5.8
57611	501	0.058	0.057	1.8	57810	503	0.025	0.025	0.0	58095	502	0.091	0.096	-5.2
57611	502	0.056	0.056	0.0	57871	501	0.035	0.035	0.0	58095	503	0.049	0.055	-10.9
57611	503	0.048	0.048	0.0	57871	502	0.035	0.034	2.9	58096	501	0.130	0.138	-5.8
57625	501	0.340	0.360	-5.6	57871	503	0.029	0.030	-3.3	58096	502	0.121	0.127	-4.7
57625	502	0.310	0.330	-6.1	57913	501	0.100	0.106	-5.7	58096	503	0.065	0.072	-9.7
57625	503	0.169	0.188	-10.1	57913	502	0.093	0.098	-5.1	58301	501	0.037	0.037	0.0
57651	501	0.041	0.043	-4.7	57913	503	0.050	0.056	-10.7	58301	502	0.036	0.036	0.0
57651	502	0.038	0.040	-5.0	57997	501	0.092	0.094	-2.1	58301	503	0.031	0.031	0.0

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58302	501	0.035	0.037	-5.4	58560	503	0.017	0.019	-10.5	58822	502	0.111	0.117	-5.1
58302	502	0.033	0.034	-2.9	58575	501	0.044	0.047	-6.4	58822	503	0.060	0.067	-10.4
58302	503	0.018	0.020	-10.0	58575	502	0.041	0.043	-4.7	58837	501	0.227	0.225	0.9
58397	501	0.203	0.216	-6.0	58575	503	0.022	0.025	-12.0	58837	502	0.222	0.221	0.5
58397	502	0.189	0.199	-5.0	58627	501	0.142	0.151	-6.0	58837	503	0.188	0.191	-1.6
58397	503	0.102	0.114	-10.5	58627	502	0.133	0.139	-4.3	58840	501	0.068	0.068	0.0
58408	501	0.055	0.055	0.0	58627	503	0.071	0.079	-10.1	58840	502	0.066	0.066	0.0
58408	502	0.038	0.038	0.0	58663	501	0.246	0.244	0.8	58840	503	0.056	0.057	-1.8
58408	503	0.033	0.034	-2.9	58663	502	0.240	0.239	0.4	58873	501	0.108	0.107	0.9
58409	501	0.069	0.070	-1.4	58663	503	0.204	0.207	-1.4	58873	502	0.106	0.105	1.0
58409	502	0.048	0.049	-2.0	58682	501	0.127	0.135	-5.9	58873	503	0.090	0.091	-1.1
58409	503	0.042	0.044	-4.5	58682	502	0.118	0.124	-4.8	58903	501	0.027	0.029	-6.9
58456	501	0.037	0.037	0.0	58682	503	0.063	0.071	-11.3	58903	502	0.026	0.027	-3.7
58456	502	0.026	0.026	0.0	58713	501	0.047	0.047	0.0	58903	503	0.014	0.015	-6.7
58456	503	0.022	0.023	-4.3	58713	502	0.042	0.042	0.0	58904	501	0.021	0.022	-4.5
58457	501	0.054	0.054	0.0	58713	503	0.026	0.026	0.0	58904	502	0.020	0.021	-4.8
58457	502	0.037	0.038	-2.6	58737	501	0.092	0.098	-6.1	58904	503	0.011	0.012	-8.3
58457	503	0.033	0.034	-2.9	58737	502	0.086	0.090	-4.4	58922	501	0.180	0.179	0.6
58458	501	0.069	0.070	-1.4	58737	503	0.046	0.051	-9.8	58922	502	0.176	0.175	0.6
58458	502	0.048	0.049	-2.0	58756	501	0.046	0.046	0.0	58922	503	0.149	0.152	-2.0
58458	503	0.042	0.044	-4.5	58756	502	0.045	0.045	0.0	59005	501	0.052	0.055	-5.5
58459	501	0.083	0.084	-1.2	58756	503	0.038	0.039	-2.6	59005	502	0.048	0.051	-5.9
58459	502	0.058	0.059	-1.7	58757	501	0.310	0.330	-6.1	59005	503	0.026	0.029	-10.3
58459	503	0.050	0.053	-5.7	58757	502	0.290	0.300	-3.3	59057	501	0.380	0.410	-7.3
58503	501	0.054	0.058	-6.9	58757	503	0.155	0.173	-10.4	59057	502	0.360	0.380	-5.3
58503	502	0.051	0.053	-3.8	58759	501	0.038	0.041	-7.3	59057	503	0.193	0.215	-10.2
58503	503	0.027	0.030	-10.0	58759	502	0.036	0.037	-2.7	59058	501	0.249	0.260	-4.2
58532	501	0.070	0.074	-5.4	58759	503	0.019	0.021	-9.5	59058	502	0.232	0.243	-4.5
58532	502	0.065	0.068	-4.4	58802	501	0.043	0.046	-6.5	59058	503	0.125	0.139	-10.1
58532	503	0.035	0.039	-10.3	58802	502	0.041	0.043	-4.7	59188	501	0.320	0.320	0.0
58559	501	0.014	0.015	-6.7	58802	503	0.022	0.024	-8.3	59188	502	0.290	0.290	0.0
58559	502	0.013	0.014	-7.1	58813	501	0.113	0.112	0.9	59188	503	0.178	0.180	-1.1
58559	503	0.007	0.008	-12.5	58813	502	0.110	0.110	0.0	59189	501	0.440	0.440	0.0
58560	501	0.034	0.037	-8.1	58813	503	0.094	0.095	-1.1	59189	502	0.400	0.390	2.6
58560	502	0.032	0.034	-5.9	58822	501	0.120	0.127	-5.5	59189	503	0.244	0.247	-1.2

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59223	501	0.112	0.111	0.9	59693	503	0.007	0.007	0.0	59774	502	0.014	0.014	0.0
59223	502	0.109	0.109	0.0	59701	501	0.006	0.007	-14.3	59774	503	0.009	0.009	0.0
59223	503	0.093	0.094	-1.1	59701	502	0.006	0.006	0.0	59775	501	0.020	0.020	0.0
59257	501	0.014	0.015	-6.7	59701	503	0.004	0.004	0.0	59775	502	0.018	0.018	0.0
59257	502	0.013	0.014	-7.1	59713	501	0.146	0.156	-6.4	59775	503	0.011	0.011	0.0
59257	503	0.007	0.008	-12.5	59713	502	0.136	0.143	-4.9	59781	501	0.051	0.050	2.0
59306	501	0.088	0.093	-5.4	59713	503	0.073	0.082	-11.0	59781	502	0.050	0.049	2.0
59306	502	0.082	0.086	-4.7	59722	501	0.076	0.081	-6.2	59781	503	0.042	0.043	-2.3
59306	503	0.044	0.049	-10.2	59722	502	0.071	0.074	-4.1	59782	501	0.076	0.075	1.3
59378	501	0.073	0.072	1.4	59722	503	0.038	0.042	-9.5	59782	502	0.074	0.074	0.0
59378	502	0.071	0.071	0.0	59723	501	0.029	0.030	-3.3	59782	503	0.063	0.064	-1.6
59378	503	0.060	0.061	-1.6	59723	502	0.027	0.028	-3.6	59783	501	0.074	0.073	1.4
59481	501	0.236	0.250	-5.6	59723	503	0.014	0.016	-12.5	59783	502	0.072	0.072	0.0
59481	502	0.220	0.231	-4.8	59724	501	0.044	0.047	-6.4	59783	503	0.061	0.062	-1.6
59481	503	0.118	0.132	-10.6	59724	502	0.041	0.043	-4.7	59784	501	0.057	0.056	1.8
59482	501	0.340	0.330	3.0	59724	503	0.022	0.024	-8.3	59784	502	0.055	0.055	0.0
59482	502	0.300	0.300	0.0	59725	501	0.055	0.058	-5.2	59784	503	0.047	0.048	-2.1
59482	503	0.185	0.188	-1.6	59725	502	0.051	0.053	-3.8	59790	501	0.098	0.104	-5.8
59537	501	0.079	0.078	1.3	59725	503	0.027	0.030	-10.0	59790	502	0.091	0.096	-5.2
59537	502	0.077	0.076	1.3	59726	501	0.040	0.042	-4.8	59790	503	0.049	0.055	-10.9
59537	503	0.065	0.066	-1.5	59726	502	0.037	0.039	-5.1	59798	501	0.193	0.191	1.0
59601	501	0.089	0.095	-6.3	59726	503	0.020	0.022	-9.1	59798	502	0.188	0.187	0.5
59601	502	0.083	0.087	-4.6	59738	501	0.127	0.135	-5.9	59798	503	0.160	0.162	-1.2
59601	503	0.045	0.050	-10.0	59738	502	0.118	0.124	-4.8	59806	501	0.138	0.137	0.7
59647	501	0.150	0.148	1.4	59738	503	0.063	0.071	-11.3	59806	502	0.135	0.134	0.7
59647	502	0.135	0.133	1.5	59750	501	0.058	0.058	0.0	59806	503	0.114	0.116	-1.7
59647	503	0.083	0.084	-1.2	59750	502	0.057	0.057	0.0	59867	501	0.110	0.117	-6.0
59660	501	0.164	0.174	-5.7	59750	503	0.048	0.049	-2.0	59867	502	0.102	0.108	-5.6
59660	502	0.153	0.160	-4.4	59751	501	0.021	0.021	0.0	59867	503	0.055	0.061	-9.8
59660	503	0.082	0.091	-9.9	59751	502	0.021	0.020	5.0	59886	501	0.015	0.016	-6.3
59661	501	0.080	0.085	-5.9	59751	503	0.017	0.018	-5.6	59886	502	0.014	0.015	-6.7
59661	502	0.075	0.078	-3.8	59773	501	0.019	0.019	0.0	59886	503	0.007	0.008	-12.5
59661	503	0.040	0.045	-11.1	59773	502	0.017	0.017	0.0	59889	501	0.063	0.062	1.6
59693	501	0.013	0.014	-7.1	59773	503	0.010	0.011	-9.1	59889	502	0.056	0.056	0.0
59693	502	0.013	0.013	0.0	59774	501	0.016	0.016	0.0	59889	503	0.035	0.035	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
59892	501	0.074	0.073	1.4	59932	503	0.098	0.109	-10.1	59986	502	0.085	0.090	-5.6
59892	502	0.072	0.072	0.0	59941	501	0.061	0.065	-6.2	59986	503	0.046	0.051	-9.8
59892	503	0.061	0.062	-1.6	59941	502	0.057	0.060	-5.0	59988	501	0.024	0.024	0.0
59904	501	0.050	0.049	2.0	59941	503	0.031	0.034	-8.8	59988	502	0.023	0.023	0.0
59904	502	0.049	0.048	2.1	59947	501	0.050	0.049	2.0	59988	503	0.020	0.020	0.0
59904	503	0.041	0.042	-2.4	59947	502	0.049	0.048	2.1	59989	501	0.016	0.017	-5.9
59905	501	0.069	0.073	-5.5	59947	503	0.041	0.042	-2.4	59989	502	0.015	0.016	-6.3
59905	502	0.064	0.067	-4.5	59955	501	0.023	0.025	-8.0	59989	503	0.008	0.009	-11.1
59905	503	0.035	0.038	-7.9	59955	502	0.022	0.023	-4.3	60010	501	16.400	14.800	10.8
59914	501	0.400	0.430	-7.0	59955	503	0.012	0.013	-7.7	60010	502	14.800	12.900	14.7
59914	502	0.380	0.400	-5.0	59963	501	0.174	0.185	-5.9	60010	503	23.200	20.400	13.7
59914	503	0.203	0.226	-10.2	59963	502	0.162	0.170	-4.7	60011	501	18.900	17.000	11.2
59915	501	0.166	0.165	0.6	59963	503	0.087	0.097	-10.3	60011	502	17.000	14.900	14.1
59915	502	0.162	0.161	0.6	59964	501	0.410	0.430	-4.7	60011	503	26.700	23.500	13.6
59915	503	0.137	0.140	-2.1	59964	502	0.380	0.400	-5.0	60012	501	31.000	28.000	10.7
59917	501	0.031	0.030	3.3	59964	503	0.204	0.227	-10.1	60012	502	27.900	24.400	14.3
59917	502	0.030	0.030	0.0	59970	501	0.067	0.067	0.0	60012	503	43.900	38.600	13.7
59917	503	0.025	0.026	-3.8	59970	502	0.065	0.065	0.0	60013	501	26.600	24.000	10.8
59923	501	0.010	0.011	-9.1	59970	503	0.056	0.056	0.0	60013	502	23.900	20.900	14.4
59923	502	0.009	0.010	-10.0	59973	501	0.112	0.119	-5.9	60013	503	37.600	33.100	13.6
59923	503	0.005	0.006	-16.7	59973	502	0.104	0.110	-5.5	60015	501	19.900	17.900	11.2
59925	501	0.216	0.204	5.9	59973	503	0.056	0.063	-11.1	60015	502	17.900	15.600	14.7
59925	502	0.203	0.192	5.7	59975	501	0.094	0.093	1.1	60015	503	28.100	24.700	13.8
59925	503	0.238	0.231	3.0	59975	502	0.092	0.091	1.1	60016	501	22.300	20.100	10.9
59926	501	0.183	0.174	5.2	59975	503	0.078	0.079	-1.3	60016	502	20.100	17.600	14.2
59926	502	0.173	0.163	6.1	59977	501	0.054	0.053	1.9	60016	503	31.600	27.800	13.7
59926	503	0.202	0.196	3.1	59977	502	0.052	0.052	0.0	60035	501	21.400	18.800	13.8
59927	501	0.123	0.117	5.1	59977	503	0.044	0.045	-2.2	60035	502	27.600	23.500	17.4
59927	502	0.116	0.110	5.5	59984	501	0.031	0.033	-6.1	60035	503	32.000	27.400	16.8
59927	503	0.136	0.132	3.0	59984	502	0.029	0.030	-3.3	61000	501	16.200	14.700	10.2
59931	501	0.182	0.193	-5.7	59984	503	0.015	0.017	-11.8	61000	502	14.600	12.800	14.1
59931	502	0.169	0.178	-5.1	59985	501	0.120	0.128	-6.2	61000	503	23.000	20.200	13.9
59931	503	0.091	0.101	-9.9	59985	502	0.112	0.117	-4.3	61212	501	10.900	10.100	7.9
59932	501	0.196	0.208	-5.8	59985	503	0.060	0.067	-10.4	61212	502	14.100	12.600	11.9
59932	502	0.182	0.191	-4.7	59986	501	0.092	0.097	-5.2	61212	503	16.300	14.700	10.9

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61216	501	12.100	11.200	8.0	62003	503	14.100	12.100	16.5	66122	502	10.500	8.970	17.1
61216	502	15.600	14.000	11.4	63010	501	29.500	26.700	10.5	66122	503	12.200	10.400	17.3
61216	503	18.100	16.300	11.0	63010	502	26.600	23.300	14.2	66123	501	4.480	3.930	14.0
61217	501	11.000	10.200	7.8	63010	503	41.800	36.800	13.6	66123	502	5.780	4.930	17.2
61217	502	14.300	12.800	11.7	63011	501	36.900	33.300	10.8	66123	503	6.700	5.740	16.7
61217	503	16.500	14.900	10.7	63011	502	33.200	29.100	14.1	66309	501	13.100	11.500	13.9
61218	501	7.520	6.960	8.0	63011	503	52.300	46.000	13.7	66309	502	16.900	14.400	17.4
61218	502	9.690	8.720	11.1	63012	501	52.500	47.400	10.8	66309	503	19.600	16.800	16.7
61218	503	11.300	10.200	10.8	63012	502	47.200	41.400	14.0	66561	501	30.300	26.600	13.9
61223	501	53.500	47.000	13.8	63012	503	74.300	65.400	13.6	66561	502	39.100	33.300	17.4
61223	502	69.000	58.900	17.1	63013	501	49.700	44.900	10.7	66561	503	45.400	38.900	16.7
61223	503	80.100	68.600	16.8	63013	502	44.700	39.200	14.0	67017	501	28.100	24.700	13.8
61224	501	17.000	16.600	2.4	63013	503	70.400	61.900	13.7	67017	502	36.300	30.900	17.5
61224	502	22.000	20.800	5.8	63215	501	31.100	27.300	13.9	67017	503	42.100	36.100	16.6
61224	503	25.500	24.300	4.9	63215	502	40.200	34.200	17.5	67508	501	33.200	28.700	15.7
61225	501	23.700	23.100	2.6	63215	503	46.600	39.900	16.8	67508	502	28.200	23.600	19.5
61225	502	30.500	28.900	5.5	63216	501	21.600	19.000	13.7	67508	503	33.800	28.400	19.0
61225	503	35.400	33.700	5.0	63216	502	27.900	23.700	17.7	67509	501	24.400	21.000	16.2
61226	501	39.800	36.800	8.2	63216	503	32.300	27.700	16.6	67509	502	20.700	17.300	19.7
61226	502	51.400	46.100	11.5	63217	501	25.000	22.100	13.1	67509	503	24.800	20.800	19.2
61226	503	59.600	53.700	11.0	63217	502	24.700	21.200	16.5	67510	501	13.600	11.700	16.2
61227	501	36.400	33.700	8.0	63217	503	31.100	26.800	16.0	67510	502	11.500	9.620	19.5
61227	502	47.000	42.200	11.4	63218	501	8.410	7.440	13.0	67510	503	13.800	11.600	19.0
61227	503	54.500	49.200	10.8	63218	502	8.310	7.140	16.4	67511	501	14.700	12.700	15.7
62000	501	8.280	7.660	8.1	63218	503	10.500	9.040	16.2	67511	502	12.400	10.400	19.2
62000	502	10.700	9.600	11.5	64074	501	16.900	17.000	-0.6	67511	503	14.900	12.500	19.2
62000	503	12.400	11.200	10.7	64074	502	9.200	9.000	2.2	67512	501	62.900	54.200	16.1
62001	501	6.540	5.750	13.7	64074	503	13.300	13.100	1.5	67512	502	53.300	44.600	19.5
62001	502	8.450	7.200	17.4	64075	501	11.900	12.000	-0.8	67512	503	64.000	53.700	19.2
62001	503	9.790	8.390	16.7	64075	502	6.480	6.330	2.4	67513	501	39.900	34.400	16.0
62002	501	2.980	2.620	13.7	64075	503	9.380	9.190	2.1	67513	502	33.800	28.300	19.4
62002	502	3.850	3.280	17.4	65007	501	18.900	16.600	13.9	67513	503	40.600	34.100	19.1
62002	503	4.470	3.830	16.7	65007	502	24.400	20.800	17.3	67634	501	24.300	21.400	13.6
62003	501	9.410	8.270	13.8	65007	503	28.300	24.300	16.5	67634	502	31.400	26.800	17.2
62003	502	12.200	10.400	17.3	66122	501	8.150	7.160	13.8	67634	503	36.400	31.200	16.7

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67635	501	17.200	15.100	13.9	90089	503	3.640	3.600	1.1	91190	502	1.780	1.770	0.6
67635	502	22.200	18.900	17.5	91111	501	1.510	1.520	-0.7	91190	503	1.780	1.770	0.6
67635	503	25.800	22.100	16.7	91111	502	1.510	1.520	-0.7	91200	501	0.550	0.570	-3.5
68001	501	52.600	46.200	13.9	91111	503	1.510	1.520	-0.7	91200	502	0.550	0.570	-3.5
68001	502	67.900	57.800	17.5	91125	501	2.190	2.160	1.4	91200	503	0.550	0.570	-3.5
68001	503	78.700	67.400	16.8	91125	502	2.190	2.160	1.4	91235	501	1.170	1.180	-0.8
68439	501	67.600	59.400	13.8	91125	503	2.190	2.160	1.4	91235	502	1.170	1.180	-0.8
68439	502	87.300	74.400	17.3	91127	501	1.010	1.020	-1.0	91235	503	1.170	1.180	-0.8
68439	503	101.000	86.700	16.5	91127	502	1.010	1.020	-1.0	91250	501	1.750	1.770	-1.1
68500	501	3.610	3.260	10.7	91127	503	1.010	1.020	-1.0	91250	502	1.750	1.770	-1.1
68500	502	3.250	2.840	14.4	91130	501	0.970	1.000	-3.0	91250	503	1.750	1.770	-1.1
68500	503	5.110	4.500	13.6	91130	502	0.970	1.000	-3.0	91265	501	11.800	12.200	-3.3
68604	501	1.260	1.110	13.5	91130	503	0.970	1.000	-3.0	91265	502	11.800	12.200	-3.3
68604	502	1.630	1.390	17.3	91135	501	0.270	0.280	-3.6	91265	503	11.800	12.200	-3.3
68604	503	1.890	1.620	16.7	91135	502	0.270	0.280	-3.6	91266	501	6.240	6.450	-3.3
68606	501	4.940	4.340	13.8	91135	503	0.270	0.280	-3.6	91266	502	6.240	6.450	-3.3
68606	502	6.370	5.430	17.3	91150	501	0.950	0.970	-2.1	91266	503	6.240	6.450	-3.3
68606	503	7.390	6.330	16.7	91150	502	0.950	0.970	-2.1	91302	501	8.970	9.130	-1.8
68607	501	3.900	3.430	13.7	91150	503	0.950	0.970	-2.1	91302	502	8.970	9.130	-1.8
68607	502	5.040	4.290	17.5	91155	501	2.120	2.140	-0.9	91302	503	8.970	9.130	-1.8
68607	503	5.840	5.000	16.8	91155	502	2.120	2.140	-0.9	91315	501	2.730	2.780	-1.8
68702	501	3.210	2.820	13.8	91155	503	2.120	2.140	-0.9	91315	502	2.730	2.780	-1.8
68702	502	4.150	3.540	17.2	91160	501	0.880	0.870	1.1	91315	503	2.730	2.780	-1.8
68702	503	4.810	4.120	16.7	91160	502	0.880	0.870	1.1	91324	501	6.060	6.180	-1.9
68703	501	2.410	2.120	13.7	91160	503	0.880	0.870	1.1	91324	502	6.060	6.180	-1.9
68703	502	3.110	2.650	17.4	91175	501	0.750	0.750	0.0	91324	503	6.060	6.180	-1.9
68703	503	3.610	3.090	16.8	91175	502	0.750	0.750	0.0	91340	501	3.950	4.030	-2.0
68706	501	10.300	9.070	13.6	91175	503	0.750	0.750	0.0	91340	502	3.950	4.030	-2.0
68706	502	13.300	11.400	16.7	91177	501	3.310	3.280	0.9	91340	503	3.950	4.030	-2.0
68706	503	15.500	13.200	17.4	91177	502	3.310	3.280	0.9	91341	501	3.800	3.750	1.3
68707	501	10.200	8.970	13.7	91177	503	3.310	3.280	0.9	91341	502	3.800	3.750	1.3
68707	502	13.200	11.200	17.9	91179	501	3.320	3.290	0.9	91341	503	3.800	3.750	1.3
68707	503	15.300	13.100	16.8	91179	502	3.320	3.290	0.9	91342	501	3.630	3.700	-1.9
90089	501	3.640	3.600	1.1	91179	503	3.320	3.290	0.9	91342	502	3.630	3.700	-1.9
90089	502	3.640	3.600	1.1	91190	501	1.780	1.770	0.6	91342	503	3.630	3.700	-1.9

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91343	501	0.840	0.830	1.2	91577	503	10.000	9.880	1.2	92054	502	0.149	0.147	1.4
91343	502	0.840	0.830	1.2	91580	501	4.560	4.700	-3.0	92054	503	0.149	0.147	1.4
91343	503	0.840	0.830	1.2	91580	502	4.560	4.700	-3.0	92055	501	4.150	4.100	1.2
91405	501	4.610	4.690	-1.7	91580	503	4.560	4.700	-3.0	92055	502	4.150	4.100	1.2
91405	502	4.610	4.690	-1.7	91590	501	2.900	2.880	0.7	92055	503	4.150	4.100	1.2
91405	503	4.610	4.690	-1.7	91590	502	2.900	2.880	0.7	92101	501	6.480	6.420	0.9
91436	501	4.300	4.250	1.2	91590	503	2.900	2.880	0.7	92101	502	6.480	6.420	0.9
91436	502	4.300	4.250	1.2	91606	501	9.450	9.770	-3.3	92101	503	6.480	6.420	0.9
91436	503	4.300	4.250	1.2	91606	502	9.450	9.770	-3.3	92102	501	3.900	3.860	1.0
91481	501	15.700	15.500	1.3	91606	503	9.450	9.770	-3.3	92102	502	3.900	3.860	1.0
91481	502	15.700	15.500	1.3	91629	501	1.930	2.000	-3.5	92102	503	3.900	3.860	1.0
91481	503	15.700	15.500	1.3	91629	502	1.930	2.000	-3.5	92215	501	1.670	1.690	-1.2
91507	501	2.310	2.280	1.3	91629	503	1.930	2.000	-3.5	92215	502	1.670	1.690	-1.2
91507	502	2.310	2.280	1.3	91636	501	3.310	3.420	-3.2	92215	503	1.670	1.690	-1.2
91507	503	2.310	2.280	1.3	91636	502	3.310	3.420	-3.2	92338	501	1.500	1.480	1.4
91523	501	35.700	35.300	1.1	91636	503	3.310	3.420	-3.2	92338	502	1.500	1.480	1.4
91523	502	35.700	35.300	1.1	91641	501	0.900	0.930	-3.2	92338	503	1.500	1.480	1.4
91523	503	35.700	35.300	1.1	91641	502	0.900	0.930	-3.2	92445	501	1.900	1.960	-3.1
91547	501	0.203	0.201	1.0	91641	503	0.900	0.930	-3.2	92445	502	1.900	1.960	-3.1
91547	502	0.203	0.201	1.0	91666	501	0.780	0.770	1.3	92445	503	1.900	1.960	-3.1
91547	503	0.203	0.201	1.0	91666	502	0.780	0.770	1.3	92446	501	4.940	4.880	1.2
91551	501	1.260	1.240	1.6	91666	503	0.780	0.770	1.3	92446	502	4.940	4.880	1.2
91551	502	1.260	1.240	1.6	91722	501	2.900	2.990	-3.0	92446	503	4.940	4.880	1.2
91551	503	1.260	1.240	1.6	91722	502	2.900	2.990	-3.0	92447	501	4.310	4.270	0.9
91555	501	0.700	0.710	-1.4	91722	503	2.900	2.990	-3.0	92447	502	4.310	4.270	0.9
91555	502	0.700	0.710	-1.4	91746	501	2.790	2.770	0.7	92447	503	4.310	4.270	0.9
91555	503	0.700	0.710	-1.4	91746	502	2.790	2.770	0.7	92451	501	1.170	1.180	-0.8
91560	501	3.450	3.570	-3.4	91746	503	2.790	2.770	0.7	92451	502	1.170	1.180	-0.8
91560	502	3.450	3.570	-3.4	91805	501	0.175	0.174	0.6	92451	503	1.170	1.180	-0.8
91560	503	3.450	3.570	-3.4	91805	502	0.175	0.174	0.6	92453	501	2.730	2.700	1.1
91562	501	2.790	2.770	0.7	91805	503	0.175	0.174	0.6	92453	502	2.730	2.700	1.1
91562	502	2.790	2.770	0.7	92053	501	0.440	0.420	4.8	92453	503	2.730	2.700	1.1
91562	503	2.790	2.770	0.7	92053	502	0.440	0.420	4.8	92478	501	1.350	1.330	1.5
91577	501	10.000	9.880	1.2	92053	503	0.440	0.420	4.8	92478	502	1.350	1.330	1.5
91577	502	10.000	9.880	1.2	92054	501	0.149	0.147	1.4	92478	503	1.350	1.330	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
92593	501	15.300	15.400	-0.6	94617	503	3.360	3.330	0.9	95625	502	4.280	4.370	-2.1
92593	502	15.300	15.400	-0.6	95124	501	1.240	1.230	0.8	95625	503	4.280	4.370	-2.1
92593	503	15.300	15.400	-0.6	95124	502	1.240	1.230	0.8	95647	501	1.410	1.420	-0.7
92663	501	0.450	0.460	-2.2	95124	503	1.240	1.230	0.8	95647	502	1.410	1.420	-0.7
92663	502	0.450	0.460	-2.2	95233	501	2.670	2.640	1.1	95647	503	1.410	1.420	-0.7
92663	503	0.450	0.460	-2.2	95233	502	2.670	2.640	1.1	96053	501	1.070	1.080	-0.9
94007	501	9.260	9.160	1.1	95233	503	2.670	2.640	1.1	96053	502	1.070	1.080	-0.9
94007	502	9.260	9.160	1.1	95305	501	2.890	2.870	0.7	96053	503	1.070	1.080	-0.9
94007	503	9.260	9.160	1.1	95305	502	2.890	2.870	0.7	96317	501	1.000	1.040	-3.8
94099	501	2.110	2.080	1.4	95305	503	2.890	2.870	0.7	96317	502	1.000	1.040	-3.8
94099	502	2.110	2.080	1.4	95306	501	3.800	3.920	-3.1	96317	503	1.000	1.040	-3.8
94099	503	2.110	2.080	1.4	95306	502	3.800	3.920	-3.1	96408	501	3.230	3.190	1.3
94225	501	7.420	7.340	1.1	95306	503	3.800	3.920	-3.1	96408	502	3.230	3.190	1.3
94225	502	7.420	7.340	1.1	95310	501	6.910	6.840	1.0	96408	503	3.230	3.190	1.3
94225	503	7.420	7.340	1.1	95310	502	6.910	6.840	1.0	96409	501	2.980	2.950	1.0
94276	501	3.860	3.820	1.0	95310	503	6.910	6.840	1.0	96409	502	2.980	2.950	1.0
94276	502	3.860	3.820	1.0	95357	501	0.970	1.000	-3.0	96409	503	2.980	2.950	1.0
94276	503	3.860	3.820	1.0	95357	502	0.970	1.000	-3.0	96410	501	2.620	2.600	0.8
94304	501	1.490	1.500	-0.7	95357	503	0.970	1.000	-3.0	96410	502	2.620	2.600	0.8
94304	502	1.490	1.500	-0.7	95410	501	3.730	3.690	1.1	96410	503	2.620	2.600	0.8
94304	503	1.490	1.500	-0.7	95410	502	3.730	3.690	1.1	96611	501	0.910	0.930	-2.2
94381	501	2.790	2.830	-1.4	95410	503	3.730	3.690	1.1	96611	502	0.910	0.930	-2.2
94381	502	2.790	2.830	-1.4	95455	501	4.000	4.140	-3.4	96611	503	0.910	0.930	-2.2
94381	503	2.790	2.830	-1.4	95455	502	4.000	4.140	-3.4	96702	501	3.720	3.680	1.1
94404	501	3.660	3.630	0.8	95455	503	4.000	4.140	-3.4	96702	502	3.720	3.680	1.1
94404	502	3.660	3.630	0.8	95487	501	2.000	1.980	1.0	96702	503	3.720	3.680	1.1
94404	503	3.660	3.630	0.8	95487	502	2.000	1.980	1.0	96816	501	3.490	3.450	1.2
94569	501	2.480	2.450	1.2	95487	503	2.000	1.980	1.0	96816	502	3.490	3.450	1.2
94569	502	2.480	2.450	1.2	95505	501	1.860	1.930	-3.6	96816	503	3.490	3.450	1.2
94569	503	2.480	2.450	1.2	95505	502	1.860	1.930	-3.6	96872	501	3.560	3.680	-3.3
94590	501	10.700	10.600	0.9	95505	503	1.860	1.930	-3.6	96872	502	3.560	3.680	-3.3
94590	502	10.700	10.600	0.9	95620	501	1.630	1.600	1.9	96872	503	3.560	3.680	-3.3
94590	503	10.700	10.600	0.9	95620	502	1.630	1.600	1.9	97047	501	2.750	2.810	-2.1
94617	501	3.360	3.330	0.9	95620	503	1.630	1.600	1.9	97047	502	2.750	2.810	-2.1
94617	502	3.360	3.330	0.9	95625	501	4.280	4.370	-2.1	97047	503	2.750	2.810	-2.1

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97050	501	2.140	2.180	-1.8	97654	503	4.600	4.540	1.3	98157	502	2.630	2.710	-3.0
97050	502	2.140	2.180	-1.8	97655	501	3.630	3.740	-2.9	98157	503	2.630	2.710	-3.0
97050	503	2.140	2.180	-1.8	97655	502	3.630	3.740	-2.9	98159	501	1.760	1.820	-3.3
97111	501	4.460	4.420	0.9	97655	503	3.630	3.740	-2.9	98159	502	1.760	1.820	-3.3
97111	502	4.460	4.420	0.9	98002	501	0.650	0.680	-4.4	98159	503	1.760	1.820	-3.3
97111	503	4.460	4.420	0.9	98002	502	0.650	0.680	-4.4	98160	501	3.730	3.850	-3.1
97220	501	0.260	0.270	-3.7	98002	503	0.650	0.680	-4.4	98160	502	3.730	3.850	-3.1
97220	502	0.260	0.270	-3.7	98003	501	0.820	0.820	0.0	98160	503	3.730	3.850	-3.1
97220	503	0.260	0.270	-3.7	98003	502	0.820	0.820	0.0	98161	501	4.170	4.320	-3.5
97222	501	0.770	0.780	-1.3	98003	503	0.820	0.820	0.0	98161	502	4.170	4.320	-3.5
97222	502	0.770	0.780	-1.3	98090	501	0.111	0.110	0.9	98161	503	4.170	4.320	-3.5
97222	503	0.770	0.780	-1.3	98090	502	0.111	0.110	0.9	98163	501	4.380	4.530	-3.3
97223	501	1.170	1.180	-0.8	98090	503	0.111	0.110	0.9	98163	502	4.380	4.530	-3.3
97223	502	1.170	1.180	-0.8	98091	501	0.120	0.119	0.8	98163	503	4.380	4.530	-3.3
97223	503	1.170	1.180	-0.8	98091	502	0.120	0.119	0.8	98164	501	0.980	0.990	-1.0
97308	501	0.490	0.500	-2.0	98091	503	0.120	0.119	0.8	98164	502	0.980	0.990	-1.0
97308	502	0.490	0.500	-2.0	98092	501	0.370	0.370	0.0	98164	503	0.980	0.990	-1.0
97308	503	0.490	0.500	-2.0	98092	502	0.370	0.370	0.0	98257	501	1.240	1.230	0.8
97447	501	1.590	1.640	-3.0	98092	503	0.370	0.370	0.0	98257	502	1.240	1.230	0.8
97447	502	1.590	1.640	-3.0	98111	501	0.300	0.300	0.0	98257	503	1.240	1.230	0.8
97447	503	1.590	1.640	-3.0	98111	502	0.300	0.300	0.0	98303	501	8.250	8.520	-3.2
97650	501	3.080	3.050	1.0	98111	503	0.300	0.300	0.0	98303	502	8.250	8.520	-3.2
97650	502	3.080	3.050	1.0	98152	501	2.210	2.280	-3.1	98303	503	8.250	8.520	-3.2
97650	503	3.080	3.050	1.0	98152	502	2.210	2.280	-3.1	98304	501	4.610	4.550	1.3
97651	501	4.700	4.850	-3.1	98152	503	2.210	2.280	-3.1	98304	502	4.610	4.550	1.3
97651	502	4.700	4.850	-3.1	98153	501	2.490	2.570	-3.1	98304	503	4.610	4.550	1.3
97651	503	4.700	4.850	-3.1	98153	502	2.490	2.570	-3.1	98305	501	2.210	2.250	-1.8
97652	501	4.070	4.210	-3.3	98153	503	2.490	2.570	-3.1	98305	502	2.210	2.250	-1.8
97652	502	4.070	4.210	-3.3	98154	501	2.930	3.030	-3.3	98305	503	2.210	2.250	-1.8
97652	503	4.070	4.210	-3.3	98154	502	2.930	3.030	-3.3	98306	501	5.700	5.800	-1.7
97653	501	2.640	2.610	1.1	98154	503	2.930	3.030	-3.3	98306	502	5.700	5.800	-1.7
97653	502	2.640	2.610	1.1	98155	501	4.100	4.240	-3.3	98306	503	5.700	5.800	-1.7
97653	503	2.640	2.610	1.1	98155	502	4.100	4.240	-3.3	98307	501	1.460	1.440	1.4
97654	501	4.600	4.540	1.3	98155	503	4.100	4.240	-3.3	98307	502	1.460	1.440	1.4
97654	502	4.600	4.540	1.3	98157	501	2.630	2.710	-3.0	98307	503	1.460	1.440	1.4

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98308	501	0.960	0.950	1.1	98427	503	2.080	2.060	1.0	98640	502	93.500	92.500	1.1
98308	502	0.960	0.950	1.1	98429	501	0.860	0.890	-3.4	98640	503	93.500	92.500	1.1
98308	503	0.960	0.950	1.1	98429	502	0.860	0.890	-3.4	98658	501	4.240	4.390	-3.4
98309	501	4.140	4.280	-3.3	98429	503	0.860	0.890	-3.4	98658	502	4.240	4.390	-3.4
98309	502	4.140	4.280	-3.3	98449	501	2.980	2.950	1.0	98658	503	4.240	4.390	-3.4
98309	503	4.140	4.280	-3.3	98449	502	2.980	2.950	1.0	98659	501	0.760	0.780	-2.6
98344	501	0.610	0.630	-3.2	98449	503	2.980	2.950	1.0	98659	502	0.760	0.780	-2.6
98344	502	0.610	0.630	-3.2	98482	501	3.200	3.170	0.9	98659	503	0.760	0.780	-2.6
98344	503	0.610	0.630	-3.2	98482	502	3.200	3.170	0.9	98677	501	14.800	14.600	1.4
98405	501	1.020	1.040	-1.9	98482	503	3.200	3.170	0.9	98677	502	14.800	14.600	1.4
98405	502	1.020	1.040	-1.9	98483	501	4.730	4.680	1.1	98677	503	14.800	14.600	1.4
98405	503	1.020	1.040	-1.9	98483	502	4.730	4.680	1.1	98678	501	13.100	12.900	1.6
98413	501	12.100	12.100	0.0	98483	503	4.730	4.680	1.1	98678	502	13.100	12.900	1.6
98413	502	12.100	12.100	0.0	98502	501	4.530	4.480	1.1	98678	503	13.100	12.900	1.6
98413	503	12.100	12.100	0.0	98502	502	4.530	4.480	1.1	98699	501	4.250	4.210	1.0
98414	501	11.100	11.000	0.9	98502	503	4.530	4.480	1.1	98699	502	4.250	4.210	1.0
98414	502	11.100	11.000	0.9	98555	501	2.110	2.080	1.4	98699	503	4.250	4.210	1.0
98414	503	11.100	11.000	0.9	98555	502	2.110	2.080	1.4	98705	501	6.010	6.200	-3.1
98415	501	1.460	1.440	1.4	98555	503	2.110	2.080	1.4	98705	502	6.010	6.200	-3.1
98415	502	1.460	1.440	1.4	98597	501	0.480	0.460	4.3	98705	503	6.010	6.200	-3.1
98415	503	1.460	1.440	1.4	98597	502	0.480	0.460	4.3	98710	501	2.960	2.920	1.4
98423	501	3.470	3.440	0.9	98597	503	0.480	0.460	4.3	98710	502	2.960	2.920	1.4
98423	502	3.470	3.440	0.9	98598	501	0.163	0.160	1.9	98710	503	2.960	2.920	1.4
98423	503	3.470	3.440	0.9	98598	502	0.163	0.160	1.9	98751	501	3.210	3.320	-3.3
98424	501	5.890	5.830	1.0	98598	503	0.163	0.160	1.9	98751	502	3.210	3.320	-3.3
98424	502	5.890	5.830	1.0	98601	501	5.420	5.360	1.1	98751	503	3.210	3.320	-3.3
98424	503	5.890	5.830	1.0	98601	502	5.420	5.360	1.1	98805	501	3.860	3.820	1.0
98425	501	2.420	2.390	1.3	98601	503	5.420	5.360	1.1	98805	502	3.860	3.820	1.0
98425	502	2.420	2.390	1.3	98624	501	0.850	0.840	1.2	98805	503	3.860	3.820	1.0
98425	503	2.420	2.390	1.3	98624	502	0.850	0.840	1.2	98806	501	1.340	1.340	0.0
98426	501	2.130	2.110	0.9	98624	503	0.850	0.840	1.2	98806	502	1.340	1.340	0.0
98426	502	2.130	2.110	0.9	98636	501	1.430	1.440	-0.7	98806	503	1.340	1.340	0.0
98426	503	2.130	2.110	0.9	98636	502	1.430	1.440	-0.7	98810	501	3.120	3.180	-1.9
98427	501	2.080	2.060	1.0	98636	503	1.430	1.440	-0.7	98810	502	3.120	3.180	-1.9
98427	502	2.080	2.060	1.0	98640	501	93.500	92.500	1.1	98810	503	3.120	3.180	-1.9

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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
98813	501	3.010	3.070	-2.0	99163	503	3.510	3.480	0.9	99507	502	2.490	2.510	-0.8
98813	502	3.010	3.070	-2.0	99165	501	0.770	0.760	1.3	99507	503	2.490	2.510	-0.8
98813	503	3.010	3.070	-2.0	99165	502	0.770	0.760	1.3	99570	501	1.340	1.340	0.0
98820	501	7.370	7.300	1.0	99165	503	0.770	0.760	1.3	99570	502	1.340	1.340	0.0
98820	502	7.370	7.300	1.0	99220	501	1.140	1.180	-3.4	99570	503	1.340	1.340	0.0
98820	503	7.370	7.300	1.0	99220	502	1.140	1.180	-3.4	99571	501	0.330	0.330	0.0
98884	501	1.920	1.900	1.1	99220	503	1.140	1.180	-3.4	99571	502	0.330	0.330	0.0
98884	502	1.920	1.900	1.1	99222	501	2.140	2.210	-3.2	99571	503	0.330	0.330	0.0
98884	503	1.920	1.900	1.1	99222	502	2.140	2.210	-3.2	99572	501	0.630	0.640	-1.6
98914	501	0.520	0.530	-1.9	99222	503	2.140	2.210	-3.2	99572	502	0.630	0.640	-1.6
98914	502	0.520	0.530	-1.9	99223	501	0.216	0.214	0.9	99572	503	0.630	0.640	-1.6
98914	503	0.520	0.530	-1.9	99223	502	0.216	0.214	0.9	99573	501	0.600	0.610	-1.6
98949	501	0.720	0.750	-4.0	99223	503	0.216	0.214	0.9	99573	502	0.600	0.610	-1.6
98949	502	0.720	0.750	-4.0	99303	501	11.800	11.700	0.9	99573	503	0.600	0.610	-1.6
98949	503	0.720	0.750	-4.0	99303	502	11.800	11.700	0.9	99600	501	1.090	1.110	-1.8
98967	501	3.010	2.980	1.0	99303	503	11.800	11.700	0.9	99600	502	1.090	1.110	-1.8
98967	502	3.010	2.980	1.0	99310	501	2.940	2.910	1.0	99600	503	1.090	1.110	-1.8
98967	503	3.010	2.980	1.0	99310	502	2.940	2.910	1.0	99613	501	7.440	7.370	0.9
98993	501	2.740	2.770	-1.1	99310	503	2.940	2.910	1.0	99613	502	7.440	7.370	0.9
98993	502	2.740	2.770	-1.1	99315	501	8.660	8.570	1.1	99613	503	7.440	7.370	0.9
98993	503	2.740	2.770	-1.1	99315	502	8.660	8.570	1.1	99614	501	2.430	2.480	-2.0
99003	501	1.440	1.410	2.1	99315	503	8.660	8.570	1.1	99614	502	2.430	2.480	-2.0
99003	502	1.440	1.410	2.1	99321	501	8.400	8.320	1.0	99614	503	2.430	2.480	-2.0
99003	503	1.440	1.410	2.1	99321	502	8.400	8.320	1.0	99620	501	0.410	0.410	0.0
99004	501	2.510	2.550	-1.6	99321	503	8.400	8.320	1.0	99620	502	0.410	0.410	0.0
99004	502	2.510	2.550	-1.6	99471	501	0.520	0.530	-1.9	99620	503	0.410	0.410	0.0
99004	503	2.510	2.550	-1.6	99471	502	0.520	0.530	-1.9	99650	501	0.630	0.640	-1.6
99080	501	1.010	1.000	1.0	99471	503	0.520	0.530	-1.9	99650	502	0.630	0.640	-1.6
99080	502	1.010	1.000	1.0	99505	501	2.320	2.340	-0.9	99650	503	0.630	0.640	-1.6
99080	503	1.010	1.000	1.0	99505	502	2.320	2.340	-0.9	99709	501	1.560	1.570	-0.6
99111	501	1.480	1.460	1.4	99505	503	2.320	2.340	-0.9	99709	502	1.560	1.570	-0.6
99111	502	1.480	1.460	1.4	99506	501	2.850	2.880	-1.0	99709	503	1.560	1.570	-0.6
99111	503	1.480	1.460	1.4	99506	502	2.850	2.880	-1.0	99718	501	1.190	1.180	0.8
99163	501	3.510	3.480	0.9	99506	503	2.850	2.880	-1.0	99718	502	1.190	1.180	0.8
99163	502	3.510	3.480	0.9	99507	501	2.490	2.510	-0.8	99718	503	1.190	1.180	0.8

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STATE: 22 - MINNESOTA
 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	2.010	2.000	0.5	99948	503	3.300	3.330	-0.9					
99746	502	2.010	2.000	0.5	99952	501	4.580	4.650	-1.5					
99746	503	2.010	2.000	0.5	99952	502	4.580	4.650	-1.5					
99760	501	0.230	0.227	1.3	99952	503	4.580	4.650	-1.5					
99760	502	0.230	0.227	1.3	99953	501	4.940	5.030	-1.8					
99760	503	0.230	0.227	1.3	99953	502	4.940	5.030	-1.8					
99777	501	5.410	5.510	-1.8	99953	503	4.940	5.030	-1.8					
99777	502	5.410	5.510	-1.8	99954	501	3.600	3.660	-1.6					
99777	503	5.410	5.510	-1.8	99954	502	3.600	3.660	-1.6					
99793	501	2.560	2.530	1.2	99954	503	3.600	3.660	-1.6					
99793	502	2.560	2.530	1.2	99955	501	4.500	4.580	-1.7					
99793	503	2.560	2.530	1.2	99955	502	4.500	4.580	-1.7					
99826	501	0.610	0.630	-3.2	99955	503	4.500	4.580	-1.7					
99826	502	0.610	0.630	-3.2	99963	501	0.580	0.570	1.8					
99826	503	0.610	0.630	-3.2	99963	502	0.580	0.570	1.8					
99827	501	0.370	0.370	0.0	99963	503	0.580	0.570	1.8					
99827	502	0.370	0.370	0.0	99969	501	2.070	2.130	-2.8					
99827	503	0.370	0.370	0.0	99969	502	2.070	2.130	-2.8					
99851	501	1.490	1.470	1.4	99969	503	2.070	2.130	-2.8					
99851	502	1.490	1.470	1.4	99975	501	3.990	4.070	-2.0					
99851	503	1.490	1.470	1.4	99975	502	3.990	4.070	-2.0					
99917	501	2.410	2.380	1.3	99975	503	3.990	4.070	-2.0					
99917	502	2.410	2.380	1.3	99988	501	1.830	1.890	-3.2					
99917	503	2.410	2.380	1.3	99988	502	1.830	1.890	-3.2					
99938	501	2.710	2.680	1.1	99988	503	1.830	1.890	-3.2					
99938	502	2.710	2.680	1.1										
99938	503	2.710	2.680	1.1										
99943	501	7.840	7.760	1.0										
99943	502	7.840	7.760	1.0										
99943	503	7.840	7.760	1.0										
99946	501	5.840	5.780	1.0										
99946	502	5.840	5.780	1.0										
99946	503	5.840	5.780	1.0										
99948	501	3.300	3.330	-0.9										
99948	502	3.300	3.330	-0.9										

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STATE: 22 - MINNESOTA
 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	0.195	0.184	6.0	11259	0.136	0.156	-12.8	13759	0.159	0.177	-10.2
10026	0.022	0.024	-8.3	11288	0.096	0.100	-4.0	13930	0.201	0.211	-4.7
10040	0.300	0.280	7.1	12014	0.041	0.045	-8.9	14068	0.014	0.015	-6.7
10042	0.510	0.480	6.2	12356	0.029	0.030	-3.3	14101	0.048	0.047	2.1
10060	0.103	0.112	-8.0	12361	0.077	0.082	-6.1	14279	0.077	0.079	-2.5
10065	0.032	0.031	3.2	12373	0.024	0.025	-4.0	14401	0.127	0.131	-3.1
10066	0.070	0.076	-7.9	12374	0.065	0.068	-4.4	14527	0.189	0.181	4.4
10070	0.154	0.141	9.2	12375	0.049	0.052	-5.8	14855	0.154	0.162	-4.9
10071	0.144	0.142	1.4	12391	0.082	0.091	-9.9	14913	0.203	0.196	3.6
10073	0.620	0.580	6.9	12509	0.036	0.038	-5.3	15223	0.041	0.033	24.2 U
10075	0.241	0.250	-3.6	12510	0.028	0.031	-9.7	15224	0.068	0.074	-8.1
10100	0.054	0.054	0.0	12651	0.530	0.490	8.2	15406	0.048	0.044	9.1
10101	0.181	0.166	9.0	12707	0.640	0.650	-1.5	15538	0.018	0.020	-10.0
10107	0.300	0.270	11.1	12797	0.196	0.169	16.0	15600	0.110	0.117	-6.0
10111	0.078	0.083	-6.0	12805	0.165	0.167	-1.2	15608	0.011	0.012	-8.3
10115	0.085	0.090	-5.6	13049	0.057	0.054	5.6	15733	0.037	0.038	-2.6
10140	0.021	0.021	0.0	13111	0.093	0.097	-4.1	15839	0.032	0.033	-3.0
10141	0.023	0.024	-4.2	13112	0.063	0.069	-8.7	15991	0.088	0.094	-6.4
10145	0.009	0.010	-10.0	13201	0.160	0.167	-4.2	15993	0.063	0.067	-6.0
10146	0.016	0.018	-11.1	13204	1.450	1.400	3.6	16005	0.034	0.034	0.0
10255	0.147	0.131	12.2	13205	0.460	0.430	7.0	16009	0.094	0.079	19.0
10256	0.152	0.147	3.4	13314	0.016	0.017	-5.9	16403	0.208	0.175	18.9
10257	0.169	0.167	1.2	13351	0.064	0.056	14.3	16527	0.350	0.360	-2.8
10309	0.018	0.020	-10.0	13352	0.050	0.054	-7.4	16604	0.146	0.147	-0.7
10352	0.067	0.074	-9.5	13410	2.990	2.440	22.5	16676	0.014	0.015	-6.7
11020	0.181	0.188	-3.7	13412	1.140	1.010	12.9	16705	0.148	0.152	-2.6
11039	0.078	0.080	-2.5	13506	0.090	0.098	-8.2	16750	0.032	0.031	3.2
11126	0.022	0.020	10.0	13507	0.218	0.250	-12.8	16900	0.107	0.104	2.9
11127	0.010	0.010	0.0	13590	0.740	0.740	0.0	16901	0.140	0.144	-2.8
11128	0.093	0.094	-1.1	13621	0.320	0.360	-11.1	16902	0.058	0.065	-10.8
11203	0.520	0.540	-3.7	13670	0.015	0.013	15.4	16905	0.107	0.104	2.9
11204	1.900	2.080	-8.7	13673	0.017	0.016	6.3	16906	0.140	0.144	-2.8
11234	0.067	0.073	-8.2	13715	0.165	0.154	7.1	16910	0.070	0.073	-4.1
11248	0.018	0.019	-5.3	13716	0.149	0.163	-8.6	16911	0.067	0.068	-1.5
11258	0.174	0.196	-11.2	13720	0.056	0.061	-8.2	16915	0.059	0.062	-4.8

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STATE: 22 - MINNESOTA
 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	0.066	0.069	-4.3	51116	0.690	0.570	21.1	51666	0.101	0.103	-1.9
16920	0.128	0.127	0.8	51205	0.071	0.083	-14.5	51734	0.310	0.310	0.0
16921	0.050	0.057	-12.3	51206	0.390	0.450	-13.3	51741	0.260	0.250	4.0
16930	0.200	0.178	12.4	51220	2.280	2.580	-11.6	51752	0.165	0.159	3.8
16931	0.087	0.077	13.0	51221	1.780	1.940	-8.2	51767	0.008	0.009	-11.1
16940	0.051	0.058	-12.1	51222	3.670	3.120	17.6	51777	0.078	0.076	2.6
16941	0.102	0.112	-8.9	51224	1.450	1.330	9.0	51808	0.730	0.730	0.0
18078	0.140	0.172	-18.6	51230	0.790	0.790	0.0	51809	0.153	0.158	-3.2
18109	0.032	0.035	-8.6	51240	0.185	0.182	1.6	51833	0.060	0.072	-16.7
18110	0.046	0.045	2.2	51241	0.260	0.300	-13.3	51869	0.136	0.140	-2.9
18205	0.350	0.310	12.9	51252	0.100	0.101	-1.0	51877	0.212	0.220	-3.6
18206	0.132	0.122	8.2	51254	0.039	0.045	-13.3	51889	0.012	0.014	-14.3
18335	0.020	0.022	-9.1	51300	0.160	0.173	-7.5	51896	0.018	0.020	-10.0
18435	0.077	0.073	5.5	51305	0.960	1.030	-6.8	51900	0.095	0.093	2.2
18436	0.186	0.218	-14.7	51315	0.106	0.106	0.0	51909	0.056	0.057	-1.8
18501	0.014	0.016	-12.5	51330	0.530	0.430	23.3 U	51926	0.038	0.040	-5.0
18506	0.006	0.007	-14.3	51333	0.340	0.310	9.7	51927	0.131	0.115	13.9
18507	0.010	0.011	-9.1	51350	0.135	0.142	-4.9	51934	0.125	0.142	-12.0
18616	0.590	0.540	9.3	51351	0.042	0.045	-6.7	51941	0.041	0.039	5.1
18707	0.004	0.003	33.3 N	51352	0.108	0.114	-5.3	51956	0.221	0.246	-10.2
18708	0.022	0.018	22.2 U	51355	0.094	0.096	-2.1	51957	0.420	0.400	5.0
18834	0.137	0.150	-8.7	51356	0.620	0.690	-10.1	51958	0.410	0.390	5.1
18911	0.023	0.024	-4.2	51357	0.660	0.530	24.5 U	51960	0.350	0.360	-2.8
18912	0.039	0.040	-2.5	51358	0.141	0.149	-5.4	51970	0.238	0.250	-4.8
18920	0.022	0.023	-4.3	51359	0.780	0.840	-7.1	51982	0.083	0.085	-2.4
45771	0.164	0.176	-6.8	51370	4.570	5.000	-8.6	51986	0.103	0.107	-3.7
45819	0.072	0.075	-4.0	51380	0.044	0.050	-12.0	51999	0.440	0.460	-4.3
45900	0.048	0.060	-20.0 L	51500	0.119	0.109	9.2	52002	0.129	0.118	9.3
45901	0.049	0.047	4.3	51550	0.390	0.360	8.3	52075	0.243	0.250	-2.8
49239	0.600	0.650	-7.7	51551	0.910	0.920	-1.1	52134	0.630	0.700	-10.0
49617	0.246	0.229	7.4	51552	0.159	0.159	0.0	52315	0.260	0.240	8.3
49618	0.081	0.073	11.0	51575	0.020	0.020	0.0	52433	1.020	1.200	-15.0
49619	0.154	0.154	0.0	51576	0.093	0.075	24.0 U	52469	0.104	0.109	-4.6
50010	0.490	0.580	-15.5	51600	0.191	0.198	-3.5	52505	0.216	0.203	6.4
51001	0.450	0.460	-2.2	51613	0.139	0.138	0.7	52547	0.078	0.088	-11.4

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STATE: 22 - MINNESOTA
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
52581	2.950	3.680	-19.8 L	56391	0.320	0.320	0.0	58397	0.740	0.830	-10.8
52744	0.081	0.094	-13.8	56427	0.125	0.125	0.0	58503	0.076	0.061	24.6 U
52911	0.450	0.520	-13.5	56488	0.034	0.034	0.0	58575	0.120	0.123	-2.4
52967	0.062	0.064	-3.1	56690	0.350	0.360	-2.8	58627	0.013	0.016	-18.8
53001	0.330	0.330	0.0	56699	0.057	0.051	11.8	58663	1.280	1.590	-19.5 L
53077	0.207	0.197	5.1	56758	0.148	0.155	-4.5	58737	0.630	0.740	-14.9
53121	0.440	0.460	-4.3	56759	0.080	0.093	-14.0	58802	0.480	0.450	6.7
53333	0.239	0.213	12.2	56760	0.098	0.106	-7.5	58837	0.162	0.165	-1.8
53374	0.310	0.380	-18.4	56912	0.090	0.084	7.1	58840	0.127	0.111	14.4
53375	0.223	0.250	-10.8	56916	0.205	0.187	9.6	58873	0.030	0.030	0.0
53376	0.194	0.187	3.7	57001	0.027	0.023	17.4	58904	0.128	0.131	-2.3
53377	0.195	0.211	-7.6	57002	0.106	0.110	-3.6	58922	0.168	0.187	-10.2
53565	0.108	0.124	-12.9	57090	0.660	0.630	4.8	59005	0.096	0.096	0.0
53631	0.022	0.022	0.0	57146	0.720	0.670	7.5	59188	0.055	0.056	-1.8
53632	0.034	0.035	-2.9	57257	0.035	0.036	-2.8	59189	0.300	0.300	0.0
53732	0.450	0.460	-2.2	57401	0.096	0.098	-2.0	59223	0.088	0.077	14.3
53733	0.270	0.260	3.8	57403	0.035	0.036	-2.8	59257	0.013	0.015	-13.3
53907	0.103	0.111	-7.2	57410	0.162	0.130	24.6 U	59378	0.150	0.152	-1.3
54077	0.400	0.370	8.1	57572	0.108	0.094	14.9	59481	0.099	0.088	12.5
55010	1.080	1.100	-1.8	57600	0.034	0.033	3.0	59537	0.210	0.168	25.0 U
55011	1.570	1.260	24.6 U	57611	0.062	0.064	-3.1	59601	2.370	2.310	2.6
55012	1.180	1.170	0.9	57651	0.041	0.043	-4.7	59647	0.170	0.176	-3.4
55013	1.140	0.990	15.2	57690	0.490	0.510	-3.9	59660	1.180	1.140	3.5
55214	0.088	0.089	-1.1	57716	0.082	0.087	-5.7	59701	0.290	0.244	18.9
55371	0.119	0.130	-8.5	57725	0.088	0.091	-3.3	59713	0.310	0.330	-6.1
55597	1.790	1.780	0.6	57726	0.021	0.019	10.5	59722	0.031	0.032	-3.1
55647	0.062	0.056	10.7	57810	0.107	0.109	-1.8	59723	0.037	0.038	-2.6
55715	0.224	0.234	-4.3	57871	0.118	0.116	1.7	59724	0.019	0.022	-13.6
55716	0.520	0.520	0.0	57913	0.290	0.310	-6.5	59725	0.116	0.104	11.5
55802	0.009	0.009	0.0	57998	0.058	0.059	-1.7	59726	0.024	0.024	0.0
55918	2.740	3.190	-14.1	57999	0.071	0.071	0.0	59738	0.064	0.066	-3.0
55919	3.650	3.640	0.3	58095	1.990	1.830	8.7	59750	0.222	0.240	-7.5
56040	0.033	0.040	-17.5	58096	1.230	1.040	18.3	59773	0.028	0.028	0.0
56202	0.089	0.100	-11.0	58301	0.088	0.082	7.3	59774	0.150	0.152	-1.3
56390	0.640	0.630	1.6	58302	0.055	0.055	0.0	59775	0.188	0.189	-0.5

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STATE: 22 - MINNESOTA
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
59781	0.068	0.076	-10.5	91341	6.390	5.890	8.5	96409	13.100	14.600	-10.3
59782	0.460	0.490	-6.1	91342	4.940	5.320	-7.1	96410	12.000	11.900	0.8
59798	0.500	0.460	8.7	91343	1.860	1.750	6.3	96611	2.040	2.180	-6.4
59886	0.108	0.112	-3.6	91436	3.000	2.960	1.4	97221	1.420	1.320	7.6
59889	0.165	0.153	7.8	91507	4.470	4.720	-5.3	97222	2.310	2.750	-16.0
59904	0.061	0.066	-7.6	91551	0.860	0.790	8.9	97223	5.450	4.710	15.7
59905	0.132	0.130	1.5	91555	1.250	1.290	-3.1	97447	6.710	5.860	14.5
59914	0.680	0.620	9.7	91560	5.390	5.950	-9.4	97650	5.130	5.090	0.8
59915	0.750	0.780	-3.8	91577	4.150	3.750	10.7	97651	4.960	5.080	-2.4
59917	0.205	0.165	24.2	91746	6.600	6.170	7.0	97652	5.180	5.150	0.6
59923	0.004	0.005	-20.0	92053	0.680	0.670	1.5	97653	3.860	3.690	4.6
59925	1.190	1.090	9.2	92054	0.280	0.320	-12.5	97654	3.690	3.740	-1.3
59926	0.450	0.420	7.1	92055	0.280	0.320	-12.5	97655	6.660	6.440	3.4
59927	1.420	1.560	-9.0	92101	3.970	3.690	7.6	98002	1.260	1.320	-4.5
59931	0.550	0.590	-6.8	92102	4.620	3.970	16.4	98152	0.880	0.710	23.9 U
59932	0.880	0.930	-5.4	92215	3.870	4.080	-5.1	98157	0.590	0.570	3.5
59947	0.320	0.330	-3.0	92338	2.870	2.460	16.7	98163	0.260	0.310	-16.1
59955	0.143	0.147	-2.7	92446	2.200	2.390	-7.9	98164	0.084	0.104	-19.2
59963	0.410	0.450	-8.9	92447	2.210	2.180	1.4	98303	10.400	12.000	-13.3
59964	0.069	0.061	13.1	92451	2.750	2.660	3.4	98304	4.430	4.570	-3.1
59970	0.183	0.182	0.5	92478	2.260	2.430	-7.0	98305	2.610	2.320	12.5
59975	0.227	0.243	-6.6	94007	7.230	7.300	-1.0	98306	1.230	1.280	-3.9
59984	0.053	0.055	-3.6	94276	6.030	6.180	-2.4	98307	0.630	0.710	-11.3
59988	0.059	0.060	-1.7	94381	17.200	17.800	-3.4	98308	1.510	1.210	24.8 U
59989	0.044	0.045	-2.2	94404	7.000	7.850	-10.8	98309	2.790	3.260	-14.4
91111	7.850	8.210	-4.4	94569	4.860	4.480	8.5	98344	0.920	0.840	9.5
91125	2.160	2.640	-18.2	95124	1.130	0.980	15.3	98449	37.600	35.900	4.7
91127	1.700	1.950	-12.8	95310	1.550	1.940	-20.1 L	98482	9.230	9.150	0.9
91150	7.430	7.150	3.9	95410	3.680	3.930	-6.4	98483	27.700	26.600	4.1
91155	53.000	47.900	10.6	95455	1.650	1.960	-15.8	98502	5.110	5.060	1.0
91235	3.710	3.670	1.1	95505	2.930	2.740	6.9	98636	4.410	4.930	-10.5
91265	3.100	3.820	-18.8	95625	4.910	4.450	10.3	98659	0.460	0.550	-16.4
91266	1.390	1.190	16.8	95647	7.970	7.320	8.9	98677	13.800	14.100	-2.1
91280	3.780	3.150	20.0	96053	6.190	6.030	2.7	98678	19.900	18.800	5.9
91340	12.300	13.000	-5.4	96408	19.300	16.900	14.2	98805	1.730	1.630	6.1

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STATE: 22 - MINNESOTA
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98806	4.290	4.160	3.1								
98813	2.520	3.170	-20.5								
98820	4.470	4.640	-3.7								
98884	2.400	2.070	15.9								
98914	0.690	0.830	-16.9								
98949	0.350	0.420	-16.7								
98967	14.800	11.900	24.4 U								
98993	5.590	7.030	-20.5								
99003	2.010	2.020	-0.5								
99004	2.210	2.320	-4.7								
99080	10.500	12.200	-13.9								
99163	0.530	0.630	-15.9								
99315	2.510	2.060	21.8								
99321	3.150	3.380	-6.8								
99613	2.780	2.880	-3.5								
99650	1.270	1.210	5.0								
99746	4.070	3.960	2.8								
99803	14.700	13.800	6.5								
99826	0.750	0.680	10.3								
99827	0.670	0.760	-11.8								
99946	3.540	4.030	-12.2								
99948	35.100	37.700	-6.9								
99952	27.600	29.200	-5.5								
99953	16.500	15.300	7.8								
99954	14.500	16.100	-9.9								
99955	10.300	12.900	-20.2								
99969	3.750	3.670	2.2								

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

INTRODUCTION

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

STEP 1:
DETERMINATION
OF INDICATED
LOSS COST
LEVEL CHANGES

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

STEP 2:
DISTRIBUTION OF
BASIC LIMIT LOSS
COST LEVEL
INDICATION

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

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 3:
APPLICATION OF
PERCENTAGE
CHANGES

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

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

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 1 - DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

INCURRED
LOSSES
& LAE

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

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

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

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

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

EXPERIENCE
RATIO

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

EXPECTED
EXPERIENCE
RATIO

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

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

STEP 2 - DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

PRODUCTS(Cont'd)

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

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

LOCAL PRODUCTS/
COMPLETED
OPERATIONS

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

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

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

EXPLANATORY NOTES TO DETERMINATION OF INDICATED
LOSS COST LEVEL CHANGE

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

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

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

OBJECTIVES

The objectives of this procedure are to:

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

EXPERIENCE BASE

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

SIMULTANEOUS DETERMINATION OF RATING VARIABLE RELATIVE CHANGES

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

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

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

RATING VARIABLES USED

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE

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

For Owners, Landlords and Tenants:

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

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

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

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

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

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

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

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

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

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

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

n is the number of class groups in the analysis;

p is the number of territories in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Manufacturers and Contractors, and Products:

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

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

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

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

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

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

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

and j^{th} class group;

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

n is the number of class groups in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

For Local Products/Completed Operations:

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

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

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

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

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

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

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

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

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

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

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

n is the number of class groups in the analysis;

p is the number of states in the analysis;

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

ITERATIVE PROCEDURE (Cont'd)

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

APPLICATION OF CREDIBILITY

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

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

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

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

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

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

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

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

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

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

W is the credibility-weighted relative change.

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MULTILINE CONSIDERATIONS

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

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

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

MONOLINE INDICATIONS -- PREMISES/ OPERATIONS

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

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

Territory applies to Owners, Landlords and Tenants only.

MONOLINE INDICATIONS -- PRODUCTS

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MONOLINE INDICATIONS -- LOCAL PRODUCTS/ COMPLETED OPERATIONS

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

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

EXPLANATORY NOTES TO
IMPLICIT PACKAGE MODIFICATION FACTORS

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

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

EXPLANATION OF EXPOSURE DEVELOPMENT

IMPORTANCE OF APPLICATION

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

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

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

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

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

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

EXPLANATION OF EXPOSURE DEVELOPMENT

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS (Cont'd)

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

EXPLANATION OF LOSS DEVELOPMENT

IMPORTANCE OF APPLICATION

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

APPLICATION OF LOSS DEVELOPMENT FACTORS

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

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

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

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

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

EXPLANATION OF LOSS DEVELOPMENT

APPLICATION OF LOSS DEVELOPMENT FACTORS (Cont'd)

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

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

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

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

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

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

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

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

OBJECTIVE

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

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

INCREMENTAL ALAE PERCENTAGES

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

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

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

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

DESCRIPTION OF METHODOLOGY

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

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

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

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

APPLICATION

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

These calculations are shown in Section E - Loss Development.

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

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

EXPLANATION OF MODIFIED BONDY METHOD

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

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

* Calculated using the Modified Bondy Procedure.

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

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

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

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

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

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

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

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

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

UNALLOCATED LOSS ADJUSTMENT FACTOR METHODOLOGY

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

EXPLANATION OF TREND CALCULATION

EXPOSURE TREND

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

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

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

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

SEVERITY TREND

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

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

SEVERITY
TREND
(Cont'd)

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

FREQUENCY
TREND

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

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

CREDIBILITY STANDARDS

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

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

The rule for Owners, Landlords and Tenants is:

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

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

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

For Manufacturers and Contractors:

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

For Owners, Landlords and Tenants:

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

For Products:

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

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

CREDIBILITY STANDARDS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 |

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
09/30/2017	\$10,221,639	\$9,997,425	0.20	0.978	397
09/30/2018	10,282,195	12,158,697	0.30	1.183	448
09/30/2019	10,381,031	9,864,769	0.50	0.950	435

(7)	WEIGHTED EXPERIENCE RATIO	1.026
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.034
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.44
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} }	1.030
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	+ 3.0 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	+ 0.3 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	+ 0.3 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 04/01/2021. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.034). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.034) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (04/01/2021) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (04/01/2022).

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
09/30/2017	\$10,972,397	\$14,173,499	0.20	1.292	767
09/30/2018	11,020,772	11,107,495	0.30	1.008	828
09/30/2019	10,512,150	13,336,683	0.50	1.269	827

(7)	WEIGHTED EXPERIENCE RATIO	1.195
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.033
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.64
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X { 1.0 - (9) } }	1.137
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100%	+ 13.7 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	+ 13.0 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	+ 13.0 %
(14)	STATEWIDE ADJUSTED MONOLINE CHANGE@	+ 11.8 %

(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 04/01/2021. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.033). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.033) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (04/01/2021) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (04/01/2022).

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

MINNESOTA
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)				- 0.2 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE				- 0.2 %
(A)	THESE ARE CALCULATED BY SUMMING OVER THE CLASSES THE PRODUCTS OF MULTISTATE REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND MULTISTATE \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION F - CALCULATION OF AGGREGATE LOSS COSTS AT CURRENT LEVEL.				
(B)	INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2020.				
(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).				

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

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

(7)	WEIGHTED EXPERIENCE RATIO.....	1.106
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(8) INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
 $\{(7) - 1.00\} \times 100\% \dots\dots\dots + 10.6 \%$

(9) INDICATED MULTISTATE MONOLINE CHANGE
(SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... + 8.8 %

(10) INDICATED STATEWIDE MONOLINE CHANGE (C)
(SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... + 0.8 %

(11) SELECTED STATEWIDE MONOLINE CHANGE..... + 0.8 %

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

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

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

SECTION D

RELATIVE CHANGE ANALYSIS

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MINNESOTA
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 1.030 OR + 3.0%	
TOP						
10	0.908	0.193	0.981	0.974		
33	1.019	0.025	1.000	0.993		
34	0.291	0.069	0.918	0.911		
35	0.096	0.007	0.984	0.976		
36	0.963	0.125	0.995	0.988		
37	0.941	0.086	0.995	0.987		
38	1.369	0.221	1.072	1.064		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
30	1.154	0.091	1.013	1.008	+	1.1%
31	1.038	0.133	1.005	1.000	+	0.3%
32	1.161	0.223	1.034	1.029	+	3.2%
33	0.893	0.078	0.991	0.986	-	1.1%
34	1.550	0.115	1.052	1.046	+	5.0%
35	0.994	0.033	1.000	0.995	-	0.2%
36	0.332	0.063	0.933	0.928	-	6.9%
37	0.998	0.059	1.000	0.995	-	0.2%
38	0.823	0.105	0.980	0.975	-	2.2%
OVERALL MONOLINE INDICATION +						0.3%

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

MINNESOTA
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	30 SERVICE	\$120,283	\$475,218	0.692	0.716	28	0.982
	31 LIGHT CONTRACTING	278,696	1,165,287	1.554	1.609	97	0.974
	32 MEDIUM CONTRCTING	1,628,754	7,718,199	1.037	1.074	360	1.002
	33 HEAVY CONTRACTING	380,094	1,745,065	0.574	0.595	30	0.960
	34 DEALER OR DISTRIB	181,254	1,240,463	0.947	0.980	41	1.019
	35 LGT. MANUFACTURER	133,325	1,001,141	0.577	0.597	12	0.969
	36 MED. MANUFACTURER	522,740	2,533,647	0.269	0.279	20	0.904
	37 HVY. MANUFACTURER	234,222	940,427	0.843	0.873	19	0.969
	38 MISC. OPERATION	294,791	1,550,714	0.857	0.887	68	0.949
	TOTAL *	\$3,774,159	\$18,370,161	0.865		675	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$14,346	\$57,200	2.590	2.681	1	0.993
	32 MEDIUM CONTRCTING	22,499	100,911	0.000	0.000	0	1.021
	33 HEAVY CONTRACTING	48,025	195,983	0.898	0.929	2	0.979
	38 MISC. OPERATION	79,960	411,757	0.839	0.868	9	0.968
	TOTAL *	\$164,830	\$765,851	0.894		12	
34 MULT MERCANTILE	30 SERVICE	\$8,629	\$40,283	0.409	0.423	4	0.919
	32 MEDIUM CONTRCTING	58,819	307,376	0.484	0.501	7	0.937
	34 DEALER OR DISTRIB	562,630	2,666,446	0.398	0.412	66	0.954
	38 MISC. OPERATION	18,915	82,680	0.848	0.877	9	0.888
	TOTAL *	\$648,993	\$3,096,785	0.419		86	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$4,937	\$25,526	0.194	0.201	1	0.976
	32 MEDIUM CONTRCTING	4,458	24,077	0.000	0.000	0	1.004
	TOTAL *	\$9,395	\$49,603	0.102		1	
36 MULT SERVICES	30 SERVICE	\$24,864	\$130,586	0.758	0.784	17	0.996
	31 LIGHT CONTRACTING	36,291	302,597	1.687	1.747	19	0.987
	32 MEDIUM CONTRCTING	83,038	451,338	0.067	0.069	4	1.016
	33 HEAVY CONTRACTING	26,255	81,974	0.843	0.873	3	0.974
	34 DEALER OR DISTRIB	239,535	1,119,023	1.917	1.984	130	1.033
	36 MED. MANUFACTURER	18,782	82,377	1.065	1.102	7	0.917
	38 MISC. OPERATION	404,941	1,765,503	0.612	0.634	104	0.963
	TOTAL *	\$833,706	\$3,933,398	1.001		284	

MINNESOTA
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	\$119	\$1,217	1.929	1.996	1	0.987
	32 MEDIUM CONTRCTING	157,228	805,676	1.057	1.094	27	1.015
	33 HEAVY CONTRACTING	39,580	196,920	0.378	0.391	4	0.973
	34 DEALER OR DISTRIB	17,585	71,646	0.425	0.440	3	1.033
	35 LGT. MANUFACTURER	142,641	619,310	1.179	1.220	8	0.982
	36 MED. MANUFACTURER	891,547	4,755,056	0.299	0.309	46	0.916
	37 HVY. MANUFACTURER	605,167	3,157,798	0.919	0.952	45	0.982
	38 MISC. OPERATION	14,551	89,381	0.061	0.063	2	0.962
	TOTAL *	\$1,868,418	\$9,697,004	0.632		136	
38 MULT CONTRACTORS	30 SERVICE	\$270,171	\$1,475,889	1.696	1.756	102	1.072
	31 LIGHT CONTRACTING	552,312	3,016,260	0.958	0.992	200	1.063
	32 MEDIUM CONTRCTING	1,442,921	7,755,423	1.585	1.640	498	1.094
	33 HEAVY CONTRACTING	642,618	2,972,388	1.328	1.375	73	1.049
	38 MISC. OPERATION	127,018	505,315	1.234	1.277	7	1.037
	TOTAL *	\$3,035,040	\$15,725,275	1.412		880	
TOTAL ALL TOP	30 SERVICE	\$423,947	\$2,121,976	1.330		151	
	31 LIGHT CONTRACTING	886,701	4,568,087	1.198		319	
	32 MEDIUM CONTRCTING	3,397,717	17,163,000	1.229		896	
	33 HEAVY CONTRACTING	1,136,572	5,192,330	1.014		112	
	34 DEALER OR DISTRIB	1,001,004	5,097,578	0.861		240	
	35 LGT. MANUFACTURER	275,966	1,620,451	0.888		20	
	36 MED. MANUFACTURER	1,433,069	7,371,080	0.298		73	
	37 HVY. MANUFACTURER	839,389	4,098,225	0.898		64	
	38 MISC. OPERATION	940,176	4,405,350	0.788		199	
	TOTAL *	\$10,334,541	\$51,638,077	0.966		2,074	

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

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 1.137 OR + 13.7%
TOP					
10	0.951	0.218	0.989	0.992	
31	2.007	0.109	1.079	1.082	
32	1.063	0.123	1.008	1.011	
33	0.937	0.178	0.989	0.992	
34	1.070	0.211	1.014	1.017	
35	0.763	0.208	0.945	0.948	
36	1.142	0.132	1.018	1.021	
					(5) INDICATED MONOLINE CHANGE
CLASS GROUP					
01	0.720	0.100	0.968	0.969	+ 10.3%
02	0.754	0.141	0.961	0.962	+ 8.1%
03	0.931	0.111	0.992	0.993	+ 13.0%
04	0.812	0.047	0.990	0.991	+ 12.6%
05	1.544	0.051	1.022	1.023	+ 14.6%
06	1.525	0.054	1.023	1.024	+ 16.5%
07	1.156	0.082	1.012	1.013	+ 14.9%
08	1.786	0.045	1.026	1.027	+ 16.7%
09	0.487	0.143	0.902	0.903	+ 1.3%
10	1.197	0.209	1.038	1.039	+ 18.0%
11	1.038	0.124	1.005	1.006	+ 12.8%
12	1.095	0.262	1.024	1.025	+ 15.7%
13	1.134	0.066	1.008	1.009	+ 13.5%
16	0.000	0.000	1.000	1.001	+ 14.7%

OVERALL MONOLINE INDICATION + 13.0%

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

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1)	(2)	(3)	(4)	(5)
	BAILEY				
TERRITORY	FORMULA	CREDIBILITY	Z-WTD	BALANCED	INDICATED
	RELATIV.	Z	RELATIV.	RELATIV.	MONOLINE CHG.
501	0.936	0.277	0.982	0.982	+ 10.0%
502	1.046	0.359	1.016	1.016	+ 15.5%
503	1.136	0.079	1.010	1.010	+ 13.0%

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

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 501

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$28,220	\$105,258	0.587	0.525	13	0.944
	02 RESTAURANTS	219,911	711,606	0.373	0.334	28	0.937
	03 STORES	23,602	215,488	1.333	1.192	18	0.967
	04 VENDING & RENTAL	950	5,674	0.000	0.000	0	0.966
	05 FOOD & BEV. DIST.	50,386	222,269	2.235	1.999	3	0.997
	06 NON-FOOD&BEV.DIST	9,247	37,308	0.113	0.101	1	0.998
	07 CLUBS, AMSMT&SPRTS	29,950	105,845	6.613	5.914	17	0.987
	08 HEALTH CARE FACIL	1,652	9,543	0.000	0.000	0	1.001
	09 HOTELS AND MOTELS	386,483	1,832,699	0.361	0.323	90	0.880
	10 SCHLS & CHURCHES	86,079	364,458	1.084	0.970	14	1.012
	11 APARTMENTS	457,334	1,885,681	1.045	0.935	59	0.980
	12 BUILDINGS&OFFICES	394,011	1,994,869	1.137	1.017	153	0.999
	13 MISC. PREMISES	18,203	111,270	0.913	0.817	4	0.983
	TOTAL *	\$1,706,028	\$7,601,968	0.948		400	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$336,200	\$1,362,956	0.670	0.599	77	0.960
	TOTAL *	\$336,200	\$1,362,956	0.670		77	
32 MULT APARTMENT	11 APARTMENTS	\$448,005	\$2,249,397	1.215	1.086	96	0.998
	12 BUILDINGS&OFFICES	123,835	655,961	1.618	1.447	64	1.017
	TOTAL *	\$571,840	\$2,905,358	1.302		160	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$689,531	\$3,877,201	0.901	0.806	249	0.998
	13 MISC. PREMISES	7,754	32,080	0.000	0.000	0	0.983
	TOTAL *	\$697,285	\$3,909,281	0.891		249	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$46,629	\$266,657	1.122	1.004	22	0.968
	02 RESTAURANTS	418,533	1,871,208	0.763	0.682	131	0.961
	03 STORES	59,213	310,066	1.714	1.533	25	0.992
	04 VENDING & RENTAL	2,449	16,169	1.772	1.585	1	0.990
	05 FOOD & BEV. DIST.	34,527	196,241	0.766	0.685	18	1.022
	06 NON-FOOD&BEV.DIST	55,183	312,802	5.578	4.989	22	1.023
	12 BUILDINGS&OFFICES	88,527	562,246	1.467	1.312	59	1.024
	TOTAL *	\$705,061	\$3,535,389	1.335		278	

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 501

		(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E.	FISCAL A.Y.E.	FIVE YEAR			
		09/30/2019 AGGREGATE	2015 - 2019	EXPERIENCE		NUMBER OF	BAL CELL
TYPE OF POLICY	CLASS GROUP	LOSS COSTS AT	AGG LOSS COST	RATIO	RELATIV.	OCCURRENCES	RELATIV.
		CURRENT LEVEL	CURRENT LEVEL				
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$115	\$1,872	0.000	0.000	0	0.943
	08 HEALTH CARE FACIL	23,168	104,392	1.918	1.715	8	0.957
	10 SCHLS & CHURCHES	394,918	1,866,083	0.698	0.624	102	0.968
	12 BUILDINGS&OFFICES	773	3,166	0.000	0.000	0	0.955
	TOTAL *	\$418,974	\$1,975,513	0.764		110	
36 MULT SERVICES	03 STORES	\$10,523	\$27,947	4.972	4.446	8	0.995
	04 VENDING & RENTAL	10,545	46,841	0.000	0.000	0	0.993
	07 CLUBS, AMSMT&SPRTS	111,840	345,343	1.268	1.134	22	1.015
	08 HEALTH CARE FACIL	186	673	0.000	0.000	0	1.030
	09 HOTELS AND MOTELS	5,130	51,482	0.000	0.000	0	0.905
	10 SCHLS & CHURCHES	1,019	5,459	0.000	0.000	0	1.042
	12 BUILDINGS&OFFICES	104,307	823,009	1.311	1.173	59	1.027
	13 MISC. PREMISES	58,224	285,663	0.564	0.504	19	1.012
	TOTAL *	\$301,774	\$1,586,417	1.205		108	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$74,849	\$371,915	0.921		35	
	02 RESTAURANTS	638,444	2,582,814	0.629		159	
	03 STORES	93,338	553,501	1.985		51	
	04 VENDING & RENTAL	13,944	68,684	0.311		1	
	05 FOOD & BEV. DIST.	84,913	418,510	1.638		21	
	06 NON-FOOD&BEV.DIST	64,430	350,110	4.794		23	
	07 CLUBS, AMSMT&SPRTS	141,905	453,060	2.395		39	
	08 HEALTH CARE FACIL	25,006	114,608	1.777		8	
	09 HOTELS AND MOTELS	727,813	3,247,137	0.502		167	
	10 SCHLS & CHURCHES	482,016	2,236,000	0.765		116	
	11 APARTMENTS	905,339	4,135,078	1.129		155	
	12 BUILDINGS&OFFICES	1,400,984	7,916,452	1.097		584	
	13 MISC. PREMISES	84,181	429,013	0.588		23	
	TOTAL *	\$4,737,162	\$22,876,882	1.021		1,382	

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

MINNESOTA
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) FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$96,252	\$421,866	0.631	0.564	19	0.977
	02 RESTAURANTS	34,828	346,678	1.060	0.948	32	0.970
	03 STORES	121,340	998,795	0.373	0.333	34	1.001
	04 VENDING & RENTAL	2,983	40,450	11.752	10.511	25	0.999
	05 FOOD & BEV. DIST.	10,856	26,110	1.736	1.553	2	1.032
	06 NON-FOOD&BEV.DIST	48,658	290,779	1.031	0.922	9	1.033
	07 CLUBS, AMSMT&SPRTS	68,237	296,786	1.290	1.154	19	1.021
	08 HEALTH CARE FACIL	1,653	6,918	0.000	0.000	0	1.036
	09 HOTELS AND MOTELS	62,249	619,765	1.046	0.936	46	0.911
	10 SCHLS & CHURCHES	139,917	605,698	1.746	1.562	39	1.048
	11 APARTMENTS	181,278	1,031,126	1.021	0.913	41	1.014
	12 BUILDINGS&OFFICES	339,058	2,350,433	1.142	1.021	159	1.034
	13 MISC. PREMISES	4,643	26,897	1.378	1.232	10	1.018
	TOTAL *	\$1,111,952	\$7,062,301	1.100		435	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$307,294	\$1,335,811	1.579	1.412	126	0.993
	TOTAL *	\$307,294	\$1,335,811	1.579		126	
32 MULT APARTMENT	11 APARTMENTS	\$280,972	\$1,377,305	1.261	1.128	78	1.033
	12 BUILDINGS&OFFICES	77,773	479,085	0.663	0.593	30	1.053
	TOTAL *	\$358,745	\$1,856,390	1.132		108	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,001,129	\$4,935,650	1.355	1.212	312	1.033
	13 MISC. PREMISES	4,901	21,857	0.567	0.507	0	1.017
	TOTAL *	\$1,006,030	\$4,957,507	1.351		312	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$223,520	\$1,496,246	0.961	0.859	126	1.002
	02 RESTAURANTS	385,912	1,889,840	1.163	1.040	159	0.995
	03 STORES	218,087	1,319,417	0.693	0.620	103	1.027
	04 VENDING & RENTAL	22,153	104,014	0.033	0.030	1	1.025
	05 FOOD & BEV. DIST.	29,625	186,685	1.629	1.457	20	1.058
	06 NON-FOOD&BEV.DIST	181,616	925,916	0.985	0.881	21	1.059
	12 BUILDINGS&OFFICES	198,998	1,337,806	0.774	0.692	78	1.060
	TOTAL *	\$1,259,911	\$7,259,924	0.950		508	

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY 502

		(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO		NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP				RELATIV.		
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$7,542	\$44,044	3.747	3.351	5	0.976
	08 HEALTH CARE FACIL	67,268	307,253	1.380	1.234	26	0.990
	10 SCHLS & CHURCHES	1,147,599	4,963,667	1.155	1.033	622	1.002
	12 BUILDINGS&OFFICES	1,681	8,811	0.152	0.136	1	0.988
	13 MISC. PREMISES	27	167	0.000	0.000	0	0.973
	16 GOVT SUBDIVISIONS	148	636	0.000	0.000	0	0.965
	TOTAL *	\$1,224,265	\$5,324,578	1.182		654	
36 MULT SERVICES	03 STORES	\$39,482	\$158,959	3.879	3.469	33	1.030
	04 VENDING & RENTAL	18,041	105,984	1.055	0.944	14	1.028
	07 CLUBS, AMSMT&SPRTS	243,323	872,727	0.928	0.830	51	1.051
	08 HEALTH CARE FACIL	103	235	0.000	0.000	0	1.066
	09 HOTELS AND MOTELS	5,837	22,683	2.200	1.968	4	0.937
	10 SCHLS & CHURCHES	2,094	3,491	0.000	0.000	0	1.078
	12 BUILDINGS&OFFICES	51,494	268,435	2.270	2.030	43	1.063
	13 MISC. PREMISES	60,268	271,455	2.259	2.020	44	1.047
	TOTAL *	\$420,642	\$1,703,969	1.578		189	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$319,772	\$1,918,112	0.862		145	
	02 RESTAURANTS	420,740	2,236,518	1.155		191	
	03 STORES	378,909	2,477,171	0.922		170	
	04 VENDING & RENTAL	43,177	250,448	1.270		40	
	05 FOOD & BEV. DIST.	40,481	212,795	1.658		22	
	06 NON-FOOD&BEV.DIST	230,274	1,216,695	0.995		30	
	07 CLUBS, AMSMT&SPRTS	319,102	1,213,557	1.072		75	
	08 HEALTH CARE FACIL	69,024	314,406	1.345		26	
	09 HOTELS AND MOTELS	375,380	1,978,259	1.500		176	
	10 SCHLS & CHURCHES	1,289,610	5,572,856	1.217		661	
	11 APARTMENTS	462,250	2,408,431	1.167		119	
	12 BUILDINGS&OFFICES	1,670,133	9,380,220	1.237		623	
	13 MISC. PREMISES	69,839	320,376	2.081		54	
	16 GOVT SUBDIVISIONS	148	636	0.000		0	
	TOTAL *	\$5,688,839	\$29,500,480	1.192		2,332	

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

MINNESOTA
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) FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$3,783	\$20,031	0.000	0.000	0	0.971
	02 RESTAURANTS	6,823	26,181	0.238	0.212	1	0.964
	03 STORES	4,645	41,860	0.544	0.486	3	0.995
	04 VENDING & RENTAL	160	969	0.000	0.000	0	0.993
	05 FOOD & BEV. DIST.	14	17	0.000	0.000	0	1.026
	06 NON-FOOD&BEV.DIST	998	3,844	0.000	0.000	0	1.026
	07 CLUBS, AMSMT&SPRTS	5,982	26,677	0.268	0.240	2	1.015
	08 HEALTH CARE FACIL	4,187	21,005	0.000	0.000	0	1.030
	09 HOTELS AND MOTELS	39,297	153,853	0.845	0.756	13	0.905
	10 SCHLS & CHURCHES	7,669	44,533	0.140	0.125	1	1.042
	11 APARTMENTS	8,516	33,179	2.423	2.167	2	1.008
	12 BUILDINGS&OFFICES	13,750	105,390	0.130	0.116	3	1.027
	13 MISC. PREMISES	2,017	9,066	9.846	8.805	1	1.012
	TOTAL *	\$97,841	\$486,605	0.842		26	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$30,921	\$166,188	0.748	0.669	13	0.987
	TOTAL *	\$30,921	\$166,188	0.748		13	
32 MULT APARTMENT	11 APARTMENTS	\$24,257	\$124,121	0.971	0.869	5	1.027
	12 BUILDINGS&OFFICES	2,721	24,266	0.180	0.161	1	1.047
	TOTAL *	\$26,978	\$148,387	0.892		6	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$56,482	\$242,312	0.881	0.788	14	1.027
	13 MISC. PREMISES	25	113	0.000	0.000	0	1.011
	TOTAL *	\$56,507	\$242,425	0.880		14	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$7,889	\$42,790	0.349	0.312	3	0.996
	02 RESTAURANTS	26,965	136,130	2.061	1.843	11	0.989
	03 STORES	5,893	28,232	0.000	0.000	0	1.021
	04 VENDING & RENTAL	168	665	0.000	0.000	0	1.019
	05 FOOD & BEV. DIST.	2,324	7,726	4.980	4.453	4	1.052
	06 NON-FOOD&BEV.DIST	514	4,302	4.110	3.676	0	1.053
	12 BUILDINGS&OFFICES	5,942	23,042	13.773	12.317	3	1.054
	TOTAL *	\$49,695	\$242,887	3.096		21	

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY		503	(1)	(2)	(3)	(4)	(5)	(6)
			FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO		NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP					RELATIV.		
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS		\$151	\$766	0.000	0.000	0	0.970
	08 HEALTH CARE FACIL		26,126	122,438	2.458	2.198	3	0.984
	10 SCHLS & CHURCHES		51,436	213,017	0.561	0.502	14	0.996
	12 BUILDINGS&OFFICES		0	61	0.000	0.000	0	0.982
	TOTAL *		\$77,713	\$336,282	1.198		17	
36 MULT SERVICES	03 STORES		\$568	\$2,398	0.000	0.000	0	1.024
	04 VENDING & RENTAL		749	4,305	0.000	0.000	0	1.022
	07 CLUBS, AMSMT&SPRTS		10,352	54,262	0.210	0.188	6	1.045
	09 HOTELS AND MOTELS		0	39	0.000	0.000	0	0.931
	12 BUILDINGS&OFFICES		5,461	30,702	2.370	2.119	9	1.057
	13 MISC. PREMISES		1,122	6,808	1.114	0.996	2	1.041
	TOTAL *		\$18,252	\$98,514	0.897		17	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)		\$11,672	\$62,821	0.236		3	
	02 RESTAURANTS		33,788	162,311	1.693		12	
	03 STORES		11,106	72,490	0.227		3	
	04 VENDING & RENTAL		1,077	5,939	0.000		0	
	05 FOOD & BEV. DIST.		2,338	7,743	4.950		4	
	06 NON-FOOD&BEV.DIST		1,512	8,146	1.397		0	
	07 CLUBS, AMSMT&SPRTS		16,485	81,705	0.230		8	
	08 HEALTH CARE FACIL		30,313	143,443	2.118		3	
	09 HOTELS AND MOTELS		70,218	320,080	0.803		26	
	10 SCHLS & CHURCHES		59,105	257,550	0.506		15	
	11 APARTMENTS		32,773	157,300	1.348		7	
	12 BUILDINGS&OFFICES		84,356	425,773	1.740		30	
	13 MISC. PREMISES		3,164	15,987	6.671		3	
	TOTAL *		\$357,907	\$1,721,288	1.237		114	

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

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO		NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP				RELATIV.		
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$128,255	\$547,155	0.603		32	
	02 RESTAURANTS	261,562	1,084,465	0.461		61	
	03 STORES	149,587	1,256,143	0.530		55	
	04 VENDING & RENTAL	4,093	47,093	8.565		25	
	05 FOOD & BEV. DIST.	61,256	248,396	2.146		5	
	06 NON-FOOD&BEV.DIST	58,903	331,931	0.870		10	
	07 CLUBS, AMSMT&SPRTS	104,169	429,308	2.762		38	
	08 HEALTH CARE FACIL	7,492	37,466	0.000		0	
	09 HOTELS AND MOTELS	488,029	2,606,317	0.488		149	
	10 SCHLS & CHURCHES	233,665	1,014,689	1.450		54	
	11 APARTMENTS	647,128	2,949,986	1.057		102	
	12 BUILDINGS&OFFICES	746,819	4,450,692	1.121		315	
	13 MISC. PREMISES	24,863	147,233	1.725		15	
	TOTAL *	\$2,915,821	\$15,150,874	1.002		861	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$674,415	\$2,864,955	1.088		216	
	TOTAL *	\$674,415	\$2,864,955	1.088		216	
32 MULT APARTMENT	11 APARTMENTS	\$753,234	\$3,750,823	1.224		179	
	12 BUILDINGS&OFFICES	204,329	1,159,312	1.235		95	
	TOTAL *	\$957,563	\$4,910,135	1.227		274	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,747,142	\$9,055,163	1.161		575	
	13 MISC. PREMISES	12,680	54,050	0.219		0	
	TOTAL *	\$1,759,822	\$9,109,213	1.154		575	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$278,038	\$1,805,693	0.971		151	
	02 RESTAURANTS	831,410	3,897,178	0.991		301	
	03 STORES	283,193	1,657,715	0.892		128	
	04 VENDING & RENTAL	24,770	120,848	0.205		2	
	05 FOOD & BEV. DIST.	66,476	390,652	1.298		42	
	06 NON-FOOD&BEV.DIST	237,313	1,243,020	2.060		43	
	12 BUILDINGS&OFFICES	293,467	1,923,094	1.246		140	
	TOTAL *	\$2,014,667	\$11,038,200	1.138		807	

MINNESOTA
OWNERS, LANDLORDS AND TENANTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TERRITORY	ALL	(1)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO		NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP				RELATIV.		
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$7,808	\$46,682	3.619		5	
	08 HEALTH CARE FACIL	116,562	534,083	1.728		37	
	10 SCHLS & CHURCHES	1,593,953	7,042,767	1.023		738	
	12 BUILDINGS&OFFICES	2,454	12,038	0.104		1	
	13 MISC. PREMISES	27	167	0.000		0	
	16 GOVT SUBDIVISIONS	148	636	0.000		0	
	TOTAL *	\$1,720,952	\$7,636,373	1.081		781	
36 MULT SERVICES	03 STORES	\$50,573	\$189,304	4.063		41	
	04 VENDING & RENTAL	29,335	157,130	0.649		14	
	07 CLUBS, AMSMT&SPRTS	365,515	1,272,332	1.012		79	
	08 HEALTH CARE FACIL	289	908	0.000		0	
	09 HOTELS AND MOTELS	10,967	74,204	1.171		4	
	10 SCHLS & CHURCHES	3,113	8,950	0.000		0	
	12 BUILDINGS&OFFICES	161,262	1,122,146	1.653		111	
	13 MISC. PREMISES	119,614	563,926	1.423		65	
	TOTAL *	\$740,668	\$3,388,900	1.410		314	
TOTAL ALL	TOP						
	01 FOOD&BEV. (RETAIL)	\$406,293	\$2,352,848	0.854		183	
	02 RESTAURANTS	1,092,972	4,981,643	0.864		362	
	03 STORES	483,353	3,103,162	1.112		224	
	04 VENDING & RENTAL	58,198	325,071	1.017		41	
	05 FOOD & BEV. DIST.	127,732	639,048	1.705		47	
	06 NON-FOOD&BEV.DIST	296,216	1,574,951	1.823		53	
	07 CLUBS, AMSMT&SPRTS	477,492	1,748,322	1.436		122	
	08 HEALTH CARE FACIL	124,343	572,457	1.620		37	
	09 HOTELS AND MOTELS	1,173,411	5,545,476	0.839		369	
	10 SCHLS & CHURCHES	1,830,731	8,066,406	1.075		792	
	11 APARTMENTS	1,400,362	6,700,809	1.147		281	
	12 BUILDINGS&OFFICES	3,155,473	17,722,445	1.188		1,237	
	13 MISC. PREMISES	157,184	765,376	1.373		80	
	16 GOVT SUBDIVISIONS	148	636	0.000		0	
	TOTAL *	\$10,783,908	\$54,098,650	1.118		3,828	

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

MINNESOTA
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%	- 5.2%	- 5.2%		
4	1.109	0.383	1.040	1.044	+ 4.3%	+ 5.9%	+ 5.9%		
5	1.079	0.130	1.010	1.014	+ 1.2%	- 1.8%	- 1.8%		
6	0.977	0.310	0.993	0.996	- 0.5%	- 3.2%	- 3.2%		
7	0.998	0.143	1.000	1.003	+ 0.2%	- 1.1%	- 1.1%		
			OVERALL MONOLINE INDICATION		- 0.1%	- 0.2%	- 0.2%		
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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

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

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

MINNESOTA
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 1.106 OR + 10.6%			
TOP								
10	0.982	0.722	0.987	0.985				
34	0.956	0.510	0.977	0.975				
36	0.955	0.521	0.976	0.974				
37	1.094	0.137	1.012	1.010				
38	1.018	0.965	1.017	1.015				
					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE	
CLASS GROUP								
1	0.924	0.511	0.960	0.958	+ 4.7%	- 1.7%	- 1.7%	
2	1.075	0.497	1.037	1.034	+ 12.7%	+ 3.3%	+ 3.3%	
11	1.085	0.347	1.029	1.025	+ 11.2%	+ 6.1%	+ 5.5%	
12	1.008	1.000	1.008	1.004	+ 9.0%	+ 0.8%	+ 0.8%	
13	0.835	0.264	0.954	0.951	+ 3.5%	- 4.0%	- 3.7%	
			OVERALL MONOLINE INDICATION		+ 8.8%	+ 0.8%	+ 0.8%	

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

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

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

STATE	(1) BAILEY FORMULA RELATIV	(2) CREDIBILITY Z	(3) Z-WTD RELATIV	(4) BALANCED RELATIV.	(5) INDICATED ** MONOLINE CHG.	(6) SELECTED MONOLINE CHG.
	2.015	0.233	1.177	1.179		
	1.234	0.389	1.085	1.086		
	1.171	0.453	1.074	1.076		
	1.179	0.356	1.060	1.062		
	1.074	0.618	1.045	1.046		
	1.181	0.253	1.043	1.044		
	1.179	0.212	1.036	1.037		
	1.273	0.136	1.033	1.035		
	1.329	0.112	1.032	1.034		
	1.219	0.158	1.032	1.033		
	1.091	0.361	1.032	1.033		
	1.178	0.187	1.031	1.032		
	1.137	0.234	1.030	1.032		
	1.121	0.256	1.030	1.031		
	1.071	0.429	1.030	1.031		
	1.081	0.366	1.029	1.030		
	1.110	0.243	1.026	1.027		
	1.146	0.182	1.025	1.026		
	1.192	0.130	1.023	1.024		
	1.030	0.365	1.011	1.012		
	1.035	0.310	1.011	1.012		
	1.026	0.391	1.010	1.011		
	1.063	0.148	1.009	1.010		
	1.020	0.251	1.005	1.006		
	1.002	0.453	1.001	1.002		
	0.986	0.557	0.992	0.993		
	0.980	0.455	0.991	0.992		
	0.904	0.095	0.990	0.992		
	0.964	0.334	0.988	0.989		
	0.936	0.183	0.988	0.989		
	0.891	0.134	0.985	0.986		
	0.961	0.471	0.982	0.983		
	0.913	0.222	0.980	0.981		
	0.926	0.285	0.978	0.980		
	0.932	0.299	0.979	0.980		
	0.935	0.313	0.979	0.980		
	0.845	0.164	0.973	0.974		
	0.838	0.156	0.973	0.974		
	0.934	0.489	0.967	0.968		
	0.901	0.378	0.961	0.963		
	0.540	0.066	0.960	0.961		
	0.798	0.215	0.953	0.954		
	0.896	0.451	0.952	0.953		
	0.906	0.570	0.945	0.947		
	0.858	0.416	0.938	0.939		
	0.466	0.087	0.936	0.937		
	0.687	0.179	0.935	0.936		
	0.780	0.288	0.931	0.932		
	0.623	0.154	0.930	0.931		
Minnesota	0.769	0.304	0.923	0.924	0.8%	0.8%
	0.849	0.553	0.913	0.914		
	0.562	0.170	0.907	0.908		

* Sorted by balanced relative change.

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

MINNESOTA
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	\$30,756	\$115,327	0.277	0.242	8	0.872
	02 RET.STRS-NTFD/DRG	30,238	198,748	1.788	1.565	11	0.941
	11 COMP. OPS. (LOW)	94,763	462,480	3.152	2.758	22	0.934
	12 COMP. OPS. (MED)	1,203,636	5,394,296	0.502	0.439	59	0.915
	13 COMP. OPS. (HGH)	132,146	618,801	0.015	0.013	2	0.865
	TOTAL *	\$1,491,539	\$6,789,652	0.649		102	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$138,066	\$702,278	0.968	0.847	30	0.863
	02 RET.STRS-NTFD/DRG	117,345	596,557	0.801	0.701	11	0.932
	12 COMP. OPS. (MED)	19,850	108,735	0.627	0.549	3	0.906
	TOTAL *	\$275,261	\$1,407,570	0.873		44	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$22,522	\$96,491	0.439	0.384	4	0.863
	02 RET.STRS-NTFD/DRG	147,837	517,748	0.878	0.768	30	0.931
	11 COMP. OPS. (LOW)	96,396	522,200	0.751	0.657	26	0.924
	12 COMP. OPS. (MED)	89,958	365,996	1.140	0.997	12	0.905
	13 COMP. OPS. (HGH)	56,165	281,476	0.481	0.421	4	0.856
	TOTAL *	\$412,878	\$1,783,911	0.827		76	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$1,288	\$4,645	0.000	0.000	0	0.894
	11 COMP. OPS. (LOW)	2,562	10,339	0.000	0.000	0	0.958
	12 COMP. OPS. (MED)	108,242	597,014	1.055	0.923	5	0.938
	TOTAL *	\$112,092	\$611,998	1.019		5	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$214,494	\$1,061,170	0.964	0.844	18	0.962
	12 COMP. OPS. (MED)	3,189,194	15,945,087	0.961	0.841	246	0.943
	13 COMP. OPS. (HGH)	279,770	1,118,922	1.185	1.037	19	0.892
	TOTAL *	\$3,683,458	\$18,125,179	0.978		283	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$192,632	\$918,741	0.790		42	
	02 RET.STRS-NTFD/DRG	295,420	1,313,053	0.940		52	
	11 COMP. OPS. (LOW)	408,215	2,056,189	1.416		66	
	12 COMP. OPS. (MED)	4,610,880	22,411,128	0.846		325	
	13 COMP. OPS. (HGH)	468,081	2,019,199	0.770		25	
	TOTAL *	\$5,975,228	\$28,718,310	0.882		510	

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

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

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	09/30/2017	\$3,191,676		1.000		1.084				\$3,459,777
	09/30/2018	3,365,428		1.001		1.060				3,570,921
	09/30/2019	3,590,967		1.024		1.031				3,791,142
MULTILINE	09/30/2017	\$5,759,845		1.000		1.081		1.086		\$6,761,862
	09/30/2018	5,840,716		1.001		1.057		1.086		6,711,274
	09/30/2019	5,753,221		1.024		1.030		1.086		6,589,889
TOTAL	09/30/2017									\$10,221,639
	09/30/2018									10,282,195
	09/30/2019									10,381,031

+ 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 04/01/2021 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

MINNESOTA
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	09/30/2017	\$1,713,255		0.972		1.085		1.246		1.000		\$2,251,314
		09/30/2018	1,837,404		1.132		1.085		1.193		1.000		2,692,286
		09/30/2019	1,077,336		1.402		1.085		1.141		1.000		1,869,884
BI	ALAE	09/30/2017	\$1,335,946				1.085		1.246		1.000		\$1,806,079
		09/30/2018	1,408,576				1.085		1.193		1.000		1,823,268
		09/30/2019	784,736				1.085		1.141		1.000		971,491
PD	B/L INDEMNITY	09/30/2017	\$2,428,523		1.028		1.085		1.246		1.000		\$3,375,073
		09/30/2018	3,173,750		1.036		1.085		1.193		1.000		4,256,010
		09/30/2019	2,431,917		1.139		1.085		1.141		1.000		3,429,161
PD	ALAE	09/30/2017	\$597,392				1.085		1.246		1.000		\$807,620
		09/30/2018	1,314,840				1.085		1.193		1.000		1,701,935
		09/30/2019	1,029,961				1.085		1.141		1.000		1,275,076
MED PAY#	B/L INDEMNITY	09/30/2017	\$97,111				1.085		1.246		1.000		\$131,285
		09/30/2018	115,439				1.085		1.193		1.000		149,425
		09/30/2019	126,487				1.085		1.141		1.000		156,589
FRINGE	B/L INDEMNITY	09/30/2017	\$342,871		1.086		1.085		1.000		1.000		\$404,008
		09/30/2018	129,137		1.199		1.085		1.000		1.000		167,996
		09/30/2019	141,561		1.581		1.085		1.000		1.000		242,832
FRINGE	ALAE	09/30/2017	\$242,749				1.085		1.000		1.000		\$263,383
		09/30/2018	128,722				1.085		1.000		1.000		139,663
		09/30/2019	241,780				1.085		1.000		1.000		262,331
	TOTAL FULL COVERAGE	09/30/2017											\$9,038,762
		09/30/2018											10,930,584
		09/30/2019											8,207,364

* 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.

MINNESOTA
MANUFACTURERS AND CONTRACTORS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	09/30/2017	\$178,125		1.148		1.085		1.246		1.000		\$276,449
		09/30/2018	297,633		1.506		1.085		1.193		1.000		580,198
		09/30/2019	201,174		2.405		1.085		1.141		1.000		598,966
BI	ALAE	09/30/2017	\$92,025				1.085		1.246		1.000		\$124,410
		09/30/2018	165,550				1.085		1.193		1.000		214,289
		09/30/2019	187,036				1.085		1.141		1.000		231,548
PD	B/L INDEMNITY	09/30/2017	\$315,440		1.032		1.085		1.246		1.000		\$440,093
		09/30/2018	250,138		1.072		1.085		1.193		1.000		347,092
		09/30/2019	442,922		1.171		1.085		1.141		1.000		642,095
PD	ALAE	09/30/2017	\$82,071				1.085		1.246		1.000		\$110,953
		09/30/2018	61,488				1.085		1.193		1.000		79,590
		09/30/2019	138,435				1.085		1.141		1.000		171,380
MED PAY#	B/L INDEMNITY	09/30/2017	\$5,000				1.085		1.246		1.000		\$6,760
		09/30/2018	5,364				1.085		1.193		1.000		6,943
		09/30/2019	10,836				1.085		1.141		1.000		13,415
	TOTAL DED COVERAGE	09/30/2017											\$958,663
		09/30/2018											1,228,112
		09/30/2019											1,657,405
	TOTAL	09/30/2017											\$9,997,425
		09/30/2018											12,158,697
		09/30/2019											9,864,769

* 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.

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	09/30/2017	\$3,091,825		1.000		1.016				\$3,141,294
	09/30/2018	3,279,325		1.000		1.013				3,321,956
	09/30/2019	2,802,990		1.004		1.010				2,842,344
MULTILINE	09/30/2017	\$7,953,992		1.000		1.015		0.970		\$7,831,103
	09/30/2018	7,858,669		1.000		1.011		0.969		7,698,816
	09/30/2019	7,837,249		1.004		1.008		0.967		7,669,806
TOTAL	09/30/2017									\$10,972,397
	09/30/2018									11,020,772
	09/30/2019									10,512,150

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

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 04/01/2021 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	09/30/2017	\$5,113,438		0.970		1.085		1.217		0.975		\$6,385,717
		09/30/2018	5,198,169		0.944		1.085		1.170		0.980		6,104,696
		09/30/2019	5,049,116		1.037		1.085		1.125		0.985		6,295,244
BI	ALAE	09/30/2017	\$1,294,282				1.085		1.217		0.975		\$1,666,302
		09/30/2018	1,253,719				1.085		1.170		0.980		1,559,703
		09/30/2019	1,973,819				1.085		1.125		0.985		2,373,153
PD	B/L INDEMNITY	09/30/2017	\$1,416,280		1.077		1.085		1.276		0.975		\$2,058,969
		09/30/2018	718,924		1.107		1.085		1.216		0.980		1,029,011
		09/30/2019	1,035,317		1.212		1.085		1.158		0.985		1,552,925
PD	ALAE	09/30/2017	\$1,459,697				1.085		1.276		0.975		\$1,970,370
		09/30/2018	284,947				1.085		1.216		0.980		368,429
		09/30/2019	713,216				1.085		1.158		0.985		882,664
MED PAY#	B/L INDEMNITY	09/30/2017	\$818,789				1.085		1.217		0.975		\$1,054,137
		09/30/2018	993,806				1.085		1.170		0.980		1,236,355
		09/30/2019	966,573				1.085		1.125		0.985		1,162,126
FRINGE	B/L INDEMNITY	09/30/2017	\$63,381		1.043		1.085		1.051		0.975		\$73,499
		09/30/2018	70,191		1.276		1.085		1.041		0.980		99,138
		09/30/2019	140,966		1.665		1.085		1.030		0.985		258,364
FRINGE	ALAE	09/30/2017	\$413,465				1.085		1.051		0.975		\$459,701
		09/30/2018	113,036				1.085		1.041		0.980		125,119
		09/30/2019	355,894				1.085		1.030		0.985		391,763
	TOTAL FULL COVERAGE	09/30/2017											\$13,668,695
		09/30/2018											10,522,451
		09/30/2019											12,916,240

* 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.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	09/30/2017	\$60,662		1.040		1.085		1.217		0.975		\$81,222
		09/30/2018	300,206		1.251		1.085		1.170		0.980		467,217
		09/30/2019	155,654		1.737		1.085		1.125		0.985		325,071
BI	ALAE	09/30/2017	\$13,377				1.085		1.217		0.975		\$17,222
		09/30/2018	67,088				1.085		1.170		0.980		83,462
		09/30/2019	32,556				1.085		1.125		0.985		39,143
PD	B/L INDEMNITY	09/30/2017	\$131,704		1.194		1.085		1.276		0.975		\$212,270
		09/30/2018	12,515		1.225		1.085		1.216		0.980		19,822
		09/30/2019	16,482		1.350		1.085		1.158		0.985		27,537
PD	ALAE	09/30/2017	\$136,184				1.085		1.276		0.975		\$183,828
		09/30/2018	4,391				1.085		1.216		0.980		5,677
		09/30/2019	10,090				1.085		1.158		0.985		12,487
MED PAY#	B/L INDEMNITY	09/30/2017	\$7,971				1.085		1.217		0.975		\$10,262
		09/30/2018	7,127				1.085		1.170		0.980		8,866
		09/30/2019	13,478				1.085		1.125		0.985		16,205
	TOTAL DED COVERAGE	09/30/2017											\$504,804
		09/30/2018											585,045
		09/30/2019											420,443
	TOTAL	09/30/2017											\$14,173,499
		09/30/2018											11,107,495
		09/30/2019											13,336,683

* 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.

MINNESOTA
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	0.910
34	Mercantile Policy	1.127
35	Institutional Policy	0.739
36	Service Policy	1.066
37	Industrial/Processing Policy	1.085
38	Contractors Policy	1.096

- (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.

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

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Motel/Hotel Policy	1.000
32	Apartment House Policy	1.000
33	Office Policy	1.009
34	Mercantile Policy	0.983
35	Institutional Policy	0.938
36	Service Policy	0.848
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.

MINNESOTA

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.026	1.021	0.6702	1.023	26,000,000
27 to 39 Months	1.001	1.002	0.4028	1.001	80,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From <u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
6/30/2017			1.000		1.000
6/30/2018		1.001	1.000		1.001
6/30/2019	1.023	1.001	1.000		1.024

(a) See Section E - Multistate Premium Development.

(b) See Section E - Statewide Premium Development.

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

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

MINNESOTA

PREMISES/OPERATIONS
OWNERS LANDLORDS AND TENANTS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.004	1.003	0.4935	1.004	75,000,000
27 to 39 Months	1.000	1.000	0.2349	1.000	222,000,000
Accident Year Ending	<u>27:15</u>	Exposure Development From		<u>39:27</u>	<u>ULT:39</u>
6/30/2017			1.000		Factor
6/30/2018		1.000	1.000		1.000
6/30/2019	1.004	1.000	1.000		1.004

(a) See Section E - Multistate Premium Development.

(b) See Section E - Statewide Premium Development.

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

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

MINNESOTA
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2012	16,182,938	17,092,855	16,326,285	16,323,941	16,324,126	16,328,250	16,328,250	16,328,250
6/30/2013	16,989,238	16,763,985	16,763,054	16,791,016	16,791,333	16,782,764	16,782,756	
6/30/2014	17,170,212	17,415,383	17,490,759	17,485,334	17,480,042	17,479,772		
6/30/2015	17,611,161	18,141,410	18,151,058	18,144,661	18,142,977			
6/30/2016	17,548,433	18,122,302	18,008,823	18,011,707				
6/30/2017	17,614,615	17,691,449	17,834,621					
6/30/2018	17,680,089	18,005,006						
6/30/2019	17,488,481							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
6/30/2012	1.056	0.955	1.000	1.000	1.000	1.000	1.000
6/30/2013	0.987	1.000	1.002	1.000	0.999	1.000	
6/30/2014	1.014	1.004	1.000	1.000	1.000		
6/30/2015	1.030	1.001	1.000	1.000			
6/30/2016	1.033	0.994	1.000				
6/30/2017	1.004	1.008					
6/30/2018	1.018						
6/30/2019							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.021	1.002

MINNESOTA
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
6/30/2012	18,753,706	20,017,603	19,499,892	19,500,669	19,493,636	19,493,755	19,493,755	19,493,752
6/30/2013	20,412,610	20,300,332	20,305,603	20,292,149	20,291,875	20,291,800	20,291,799	
6/30/2014	20,803,570	20,839,745	20,834,510	20,832,101	20,828,701	20,828,700		
6/30/2015	21,659,247	21,736,435	21,732,207	21,741,407	21,740,853			
6/30/2016	21,217,866	21,252,071	21,246,940	21,270,191				
6/30/2017	21,423,105	25,170,354	25,177,499					
6/30/2018	30,448,263	30,410,449						
6/30/2019	20,355,785							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
6/30/2012	1.067	0.974	1.000	1.000	1.000	1.000	1.000
6/30/2013	0.994	1.000	0.999	1.000	1.000	1.000	
6/30/2014	1.002	1.000	1.000	1.000	1.000		
6/30/2015	1.004	1.000	1.000	1.000			
6/30/2016	1.002	1.000	1.001				
6/30/2017	1.175	1.000					
6/30/2018	0.999						
6/30/2019							

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

LINK RATIOS

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

Average Best 3 of 5

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

MULTISTATE
OWNERS LANDLORDS AND TENANTS

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

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

LINK RATIOS

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

Average Best 3 of 5

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

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MINNESOTA

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	1.073	0.6807	1.238	1,300,000
27 to 39 Months	1.330	1.058	0.6065	1.165	1,600,000
39 to 51 Months	1.072	0.947	0.6632	0.989	1,800,000
51 to 63 Months	0.999	0.989	0.6415	0.993	2,200,000
63 to 75 Months	0.994	0.962	0.5835	0.975	2,600,000
75 to 87 Months	0.998	1.014	0.5062	1.006	3,100,000
87 to 99 Months	0.997	1.006	0.4863	1.001	3,600,000
99 to 111 Months	0.999	1.000	0.4684	0.999	4,300,000
111 to 123 Months	0.999	1.000	0.4147	0.999	5,100,000
123 to 135 Months	1.001	1.000	0.3634	1.001	6,000,000
135 to 147 Months	1.001	1.000	0.3066	1.001	7,100,000
147 to 159 Months	1.000	1.000	0.3241	1.000	8,500,000
159 to 171 Months	1.000	1.000	0.3160	1.000	10,100,000
171 to 183 Months	1.000	1.000	0.2769	1.000	12,000,000
183 to 195 Months	1.000	1.000	0.2346	1.000	14,300,000
195 to 207 Months	1.001	1.000	0.1969	1.001	17,000,000
207 to 219 Months	1.001	1.000	0.1926	1.001	20,300,000
219 to 231 Months	1.001	1.000	0.1241	1.001	24,100,000
231 to 243 Months	1.001	1.000	0.0621	1.001	28,800,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			0.989	0.993	0.975	1.006	1.001	0.999	0.999	1.001	1.001
6/30/2018		1.165	0.989	0.993	0.975	1.006	1.001	0.999	0.999	1.001	1.001
6/30/2019	1.238	1.165	0.989	0.993	0.975	1.006	1.001	0.999	0.999	1.001	1.001
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>ULT:243</u>		<u>Factor</u>
6/30/2017	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		0.972
6/30/2018	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		1.132
6/30/2019	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		1.402

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

MINNESOTA

Premises/Operations

Manufacturers & Contractors
Bodily Injury
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0650	0.0362	0.6807	0.0454	1,300,000
27 to 39 Months	0.0999	0.1097	0.6065	0.1059	1,600,000
39 to 51 Months	0.0891	0.1145	0.6632	0.1059	1,800,000
51 to 63 Months	0.0446	0.0253	0.6415	0.0322	2,200,000
63 to 75 Months	0.0252	0.0077	0.5835	0.0150	2,600,000
75 to 87 Months	0.0096	0.0108	0.5062	0.0102	3,100,000
87 to 99 Months	0.0054	0.0053	0.4863	0.0054	3,600,000
99 to 111 Months	0.0029	-0.0018	0.4684	0.0007	4,300,000
111 to 123 Months	0.0023	0.0000	0.4147	0.0014	5,100,000
123 to 135 Months	0.0011	0.0000	0.3634	0.0007	6,000,000
135 to 147 Months	0.0005	0.0000	0.3066	0.0003	7,100,000
147 to 159 Months	0.0012	0.0000	0.3241	0.0008	8,500,000
159 to 171 Months	0.0008	0.0000	0.3160	0.0006	10,100,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.324	0.279	0.173	0.067	0.035	0.020	0.010
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.005	0.004	0.002	0.002	0.001	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	727,268	3,518,382	0.173	608,678	1,335,946
9/30/2018	257,549	4,125,543	0.279	1,151,027	1,408,576
9/30/2019	13,990	2,378,841	0.324	770,746	784,736

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	54,368	217,670	0.173	37,657	92,025
9/30/2018	16,439	534,446	0.279	149,111	165,550
9/30/2019	46,377	434,133	0.324	140,659	187,036

(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)}}

MINNESOTA

Premises/Operations

Manufacturers & Contractors

Property Damage

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.111	1.092	0.6552	1.099	2,800,000
27 to 39 Months	1.051	0.986	0.6669	1.008	2,900,000
39 to 51 Months	1.015	1.017	0.6716	1.016	3,000,000
51 to 63 Months	1.006	0.993	0.6384	0.998	3,200,000
63 to 75 Months	1.006	0.999	0.6238	1.002	3,300,000
75 to 87 Months	1.005	0.989	0.5907	0.996	3,500,000
87 to 99 Months	1.005	1.000	0.5655	1.002	3,600,000
99 to 111 Months	1.006	1.004	0.5322	1.005	3,800,000
111 to 123 Months	1.003	0.998	0.5457	1.000	4,000,000
123 to 135 Months	1.001	0.999	0.5429	1.000	4,200,000
135 to 147 Months	1.002	1.000	0.5392	1.001	4,400,000
147 to 159 Months	1.002	1.000	0.5317	1.001	4,600,000
159 to 171 Months	1.002	1.000	0.5257	1.001	4,800,000
171 to 183 Months	1.001	1.000	0.5358	1.000	5,000,000
183 to 195 Months	1.001	1.000	0.5550	1.000	5,300,000
195 to 207 Months	1.001	1.000	0.5651	1.000	5,600,000
207 to 219 Months	1.001	1.000	0.5500	1.000	5,800,000
219 to 231 Months	1.001	1.000	0.4111	1.001	6,100,000
231 to 243 Months	1.001	1.000	0.2182	1.001	6,400,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			1.016	0.998	1.002	0.996	1.002	1.005	1.000	1.000	1.001
6/30/2018		1.008	1.016	0.998	1.002	0.996	1.002	1.005	1.000	1.000	1.001
6/30/2019	1.099	1.008	1.016	0.998	1.002	0.996	1.002	1.005	1.000	1.000	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.028
6/30/2018	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.036
6/30/2019	1.001	1.001	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.139

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

MINNESOTA

Premises/Operations

Manufacturers & Contractors
Property Damage
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0451	0.0357	0.6552	0.0389	2,800,000
27 to 39 Months	0.0490	0.0392	0.6669	0.0425	2,900,000
39 to 51 Months	0.0410	0.0472	0.6716	0.0452	3,000,000
51 to 63 Months	0.0339	0.0364	0.6384	0.0355	3,200,000
63 to 75 Months	0.0179	0.0116	0.6238	0.0140	3,300,000
75 to 87 Months	0.0099	0.0098	0.5907	0.0099	3,500,000
87 to 99 Months	0.0084	0.0001	0.5655	0.0037	3,600,000
99 to 111 Months	0.0109	0.0037	0.5322	0.0071	3,800,000
111 to 123 Months	0.0072	0.0002	0.5457	0.0034	4,000,000
123 to 135 Months	0.0047	0.0001	0.5429	0.0022	4,200,000
135 to 147 Months	0.0043	0.0000	0.5392	0.0020	4,400,000
147 to 159 Months	0.0043	0.0000	0.5317	0.0020	4,600,000
159 to 171 Months	0.0042	0.0000	0.5257	0.0020	4,800,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.208	0.169	0.127	0.082	0.046	0.032	0.022
<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>
	0.019	0.012	0.008	0.006	0.004	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	158,322	3,457,242	0.127	439,070	597,392
9/30/2018	327,226	5,843,871	0.169	987,614	1,314,840
9/30/2019	129,179	4,330,682	0.208	900,782	1,029,961

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	32,887	387,290	0.127	49,184	82,071
9/30/2018	13,126	286,158	0.169	48,362	61,488
9/30/2019	9,321	620,732	0.208	129,114	138,435

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

MINNESOTA

Premises/Operations

Manufacturers & Contractors

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

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

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.691	0.537	0.371	0.229	0.132	0.088	0.030
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.023	0.005	0.003	0.003	0.002	0.002	0.000

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	70,036	465,536	0.371	172,713	242,749
9/30/2018	27,684	188,152	0.537	101,038	128,722
9/30/2019	36,166	297,562	0.691	205,614	241,780

(A) See Section E - Multistate Loss Development.

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

MINNESOTA

Premises/Operations

Owners, Landlords & Tenants

Bodily Injury

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.398	1.059	0.8830	1.099	1,600,000
27 to 39 Months	1.183	0.935	0.8484	0.973	2,100,000
39 to 51 Months	1.049	0.992	0.8045	1.003	2,700,000
51 to 63 Months	0.999	0.972	0.7859	0.978	3,400,000
63 to 75 Months	0.993	0.993	0.7415	0.993	4,300,000
75 to 87 Months	0.994	1.010	0.6735	1.005	5,500,000
87 to 99 Months	0.996	0.991	0.6016	0.993	7,100,000
99 to 111 Months	0.998	0.997	0.5665	0.997	9,000,000
111 to 123 Months	1.000	1.000	0.5083	1.000	11,600,000
123 to 135 Months	1.000	1.000	0.4383	1.000	14,800,000
135 to 147 Months	1.000	1.000	0.3401	1.000	19,000,000
147 to 159 Months	1.000	1.000	0.2614	1.000	24,400,000
159 to 171 Months	1.001	1.000	0.2224	1.001	31,400,000
171 to 183 Months	1.000	1.000	0.1712	1.000	40,300,000
183 to 195 Months	1.000	1.000	0.1454	1.000	52,000,000
195 to 207 Months	1.000	1.000	0.1203	1.000	67,000,000
207 to 219 Months	1.000	1.000	0.1176	1.000	86,500,000
219 to 231 Months	1.000	1.000	0.0712	1.000	111,700,000
231 to 243 Months	1.000	1.000	0.0306	1.000	144,600,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			1.003	0.978	0.993	1.005	0.993	0.997	1.000	1.000	1.000
6/30/2018		0.973	1.003	0.978	0.993	1.005	0.993	0.997	1.000	1.000	1.000
6/30/2019	1.099	0.973	1.003	0.978	0.993	1.005	0.993	0.997	1.000	1.000	1.000
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.970
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000		0.944
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000		1.037

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

MINNESOTA

Premises/Operations

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

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0675	0.0424	0.8830	0.0453	1,600,000
27 to 39 Months	0.0813	0.0418	0.8484	0.0478	2,100,000
39 to 51 Months	0.0593	0.0158	0.8045	0.0243	2,700,000
51 to 63 Months	0.0287	0.0282	0.7859	0.0283	3,400,000
63 to 75 Months	0.0133	0.0048	0.7415	0.0070	4,300,000
75 to 87 Months	0.0059	0.0101	0.6735	0.0087	5,500,000
87 to 99 Months	0.0034	0.0000	0.6016	0.0014	7,100,000
99 to 111 Months	0.0032	0.0010	0.5665	0.0020	9,000,000
111 to 123 Months	0.0013	0.0001	0.5083	0.0007	11,600,000
123 to 135 Months	0.0012	0.0000	0.4383	0.0007	14,800,000
135 to 147 Months	0.0005	0.0000	0.3401	0.0003	19,000,000
147 to 159 Months	0.0009	0.0000	0.2614	0.0006	24,400,000
159 to 171 Months	0.0009	0.0000	0.2224	0.0007	31,400,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.168	0.122	0.075	0.050	0.022	0.015	0.006
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.005	0.003	0.002	0.002	0.001	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	833,134	6,148,551	0.075	461,148	1,294,282
9/30/2018	500,504	6,173,880	0.122	753,215	1,253,719
9/30/2019	521,337	8,645,688	0.168	1,452,482	1,973,819

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	8,891	59,813	0.075	4,486	13,377
9/30/2018	23,679	355,809	0.122	43,409	67,088
9/30/2019	1,386	185,540	0.168	31,170	32,556

(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)}}

MINNESOTA

Premises/Operations

Owners, Landlords & Tenants

Property Damage

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.128	1.078	0.6618	1.095	1,100,000
27 to 39 Months	1.053	1.013	0.6299	1.028	1,300,000
39 to 51 Months	1.029	1.021	0.5658	1.024	1,500,000
51 to 63 Months	1.010	1.009	0.5443	1.009	1,700,000
63 to 75 Months	1.004	0.984	0.5071	0.994	1,900,000
75 to 87 Months	1.007	1.054	0.4327	1.027	2,200,000
87 to 99 Months	1.001	1.000	0.3870	1.001	2,500,000
99 to 111 Months	1.005	1.000	0.3486	1.003	2,700,000
111 to 123 Months	1.003	1.011	0.2713	1.005	3,100,000
123 to 135 Months	1.001	1.000	0.2194	1.001	3,600,000
135 to 147 Months	1.001	1.000	0.1723	1.001	4,100,000
147 to 159 Months	1.000	1.000	0.1654	1.000	4,600,000
159 to 171 Months	1.000	1.000	0.1729	1.000	5,200,000
171 to 183 Months	1.000	1.000	0.2042	1.000	6,000,000
183 to 195 Months	1.001	1.000	0.2156	1.001	6,700,000
195 to 207 Months	1.002	1.000	0.2033	1.002	7,700,000
207 to 219 Months	1.001	1.000	0.1684	1.001	8,700,000
219 to 231 Months	1.001	1.000	0.1053	1.001	9,900,000
231 to 243 Months	1.001	1.000	0.0387	1.001	11,300,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			1.024	1.009	0.994	1.027	1.001	1.003	1.005	1.001	1.001
6/30/2018		1.028	1.024	1.009	0.994	1.027	1.001	1.003	1.005	1.001	1.001
6/30/2019	1.095	1.028	1.024	1.009	0.994	1.027	1.001	1.003	1.005	1.001	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004		1.077
6/30/2018	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004		1.107
6/30/2019	1.000	1.000	1.000	1.001	1.002	1.001	1.001	1.001	1.004		1.212

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

MINNESOTA

Premises/Operations

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

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K _i)
15 to 27 Months	0.0754	0.0527	0.6618	0.0604	1,100,000
27 to 39 Months	0.0908	0.1445	0.6299	0.1246	1,300,000
39 to 51 Months	0.0711	0.0502	0.5658	0.0593	1,500,000
51 to 63 Months	0.0462	0.0129	0.5443	0.0281	1,700,000
63 to 75 Months	0.0343	0.0145	0.5071	0.0243	1,900,000
75 to 87 Months	0.0181	0.0021	0.4327	0.0112	2,200,000
87 to 99 Months	0.0198	0.0000	0.3870	0.0122	2,500,000
99 to 111 Months	0.0167	0.0000	0.3486	0.0109	2,700,000
111 to 123 Months	0.0110	0.0000	0.2713	0.0080	3,100,000
123 to 135 Months	0.0104	0.0000	0.2194	0.0081	3,600,000
135 to 147 Months	0.0057	0.0000	0.1723	0.0047	4,100,000
147 to 159 Months	0.0020	0.0000	0.1654	0.0017	4,600,000
159 to 171 Months	0.0018	0.0000	0.1729	0.0015	5,200,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.355	0.294	0.170	0.111	0.083	0.058	0.047
<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>
	0.035	0.024	0.016	0.008	0.003	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	1,076,977	2,251,284	0.170	382,720	1,459,697
9/30/2018	30,753	864,606	0.294	254,194	284,947
9/30/2019	33,495	1,914,707	0.355	679,721	713,216

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	96,511	233,369	0.170	39,673	136,184
9/30/2018	115	14,542	0.294	4,276	4,391
9/30/2019	2,285	21,987	0.355	7,805	10,090

(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)}}

MINNESOTA

Premises/Operations

Owners, Landlords & Tenants
Fringe
Full Coverage
ALAE

Calculation of Cumulative Incremental Factors

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

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

A.Y.E.	Reported ALAE as of 12/31/19	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2017	360,770	81,319	0.648	52,695	413,465
9/30/2018	17,583	113,499	0.841	95,453	113,036
9/30/2019	687	326,477	1.088	355,207	355,894

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	1,032,630	1,109,802	1,301,622	1,610,030	1,584,592	1,669,636	1,988,637	1,978,185	1,905,430	1,905,430	1,905,430
6/30/2001	754,613	1,217,805	1,378,666	1,456,001	1,517,537	1,566,997	1,547,280	1,573,547	1,538,547	1,508,547	1,508,547
6/30/2002	631,558	798,936	1,007,280	1,597,105	1,570,064	1,509,941	1,527,869	1,436,818	1,429,318	1,429,318	1,429,318
6/30/2003	791,564	1,127,887	1,469,585	1,593,895	1,477,505	1,298,343	1,297,468	1,297,468	1,297,468	1,297,870	1,184,619
6/30/2004	1,029,443	1,377,582	1,517,054	1,922,908	1,825,208	1,850,258	1,735,758	1,732,758	1,722,758	1,722,758	1,722,758
6/30/2005	1,204,990	1,416,169	1,920,467	2,026,125	1,803,018	1,749,492	1,643,461	1,643,463	1,643,461	1,643,461	1,643,461
6/30/2006	1,417,546	1,669,861	1,362,072	1,287,064	1,314,465	1,308,398	1,303,988	1,275,007	1,284,972	1,284,972	1,284,972
6/30/2007	744,471	1,166,830	1,194,032	1,148,613	1,145,758	1,150,808	1,152,508	1,145,305	1,146,505	1,146,773	1,146,773
6/30/2008	1,142,226	1,101,623	1,088,168	988,998	874,814	712,814	707,814	707,814	697,564	707,814	707,814
6/30/2009	931,886	1,434,038	1,476,900	1,572,950	1,582,950	1,652,050	1,579,450	1,570,950	1,570,950	1,570,950	1,570,950
6/30/2010	1,496,121	1,179,848	1,160,664	1,398,001	1,320,425	1,222,857	1,259,852	1,344,988	1,344,988	1,344,988	
6/30/2011	719,042	695,860	772,325	902,226	835,509	863,509	858,509	873,509	873,509		
6/30/2012	895,675	1,093,096	1,461,874	1,290,527	1,327,577	1,252,577	1,289,577	1,289,577			
6/30/2013	581,749	1,242,873	1,103,434	956,440	1,079,938	1,061,877	1,080,188				
6/30/2014	1,370,730	1,483,824	1,428,749	1,219,712	1,234,830	1,184,830					
6/30/2015	939,091	1,342,760	1,552,903	1,760,031	1,607,868						
6/30/2016	647,792	534,141	562,232	612,751							
6/30/2017	791,426	589,085	1,077,085								
6/30/2018	1,331,553	1,747,144									
6/30/2019	764,133										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	1,905,430	1,905,430	1,905,430	1,905,430	1,905,430	1,905,430	1,905,430	1,905,430	1,905,430
6/30/2001	1,508,547	1,508,547	1,508,547	1,508,547	1,508,547	1,508,547	1,508,547	1,508,547	
6/30/2002	1,429,318	1,429,318	1,429,318	1,429,318	1,429,318	1,429,318	1,429,318		
6/30/2003	1,229,870	1,229,870	1,229,870	1,229,870	1,229,870	1,229,870			
6/30/2004	1,722,758	1,722,758	1,722,758	1,722,758	1,722,758				
6/30/2005	1,643,461	1,643,461	1,643,461	1,643,461					
6/30/2006	1,284,972	1,299,972	1,293,672						
6/30/2007	1,146,773	1,146,773							
6/30/2008	697,564								

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

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.075	1.173	1.237	0.984	1.054	1.191	0.995	0.963	1.000	1.000	1.000
6/30/2001	1.614	1.132	1.056	1.042	1.033	0.987	1.017	0.978	0.981	1.000	1.000
6/30/2002	1.265	1.261	1.586	0.983	0.962	1.012	0.940	0.995	1.000	1.000	1.000
6/30/2003	1.425	1.303	1.085	0.927	0.879	0.999	1.000	1.000	1.000	0.913	1.038
6/30/2004	1.338	1.101	1.268	0.949	1.014	0.938	0.998	0.994	1.000	1.000	1.000
6/30/2005	1.175	1.356	1.055	0.890	0.970	0.939	1.000	1.000	1.000	1.000	1.000
6/30/2006	1.178	0.816	0.945	1.021	0.995	0.997	1.000	1.008	1.000	1.000	1.000
6/30/2007	1.567	1.023	0.962	0.998	1.004	1.001	0.994	1.001	1.000	1.000	1.000
6/30/2008	0.964	0.988	0.909	0.885	0.815	0.993	1.000	0.986	1.015	1.000	0.986
6/30/2009	1.539	1.030	1.065	1.006	1.044	0.956	0.995	1.000	1.000	1.000	
6/30/2010	0.789	0.984	1.204	0.945	0.926	1.030	1.068	1.000	1.000		
6/30/2011	0.968	1.110	1.168	0.926	1.034	0.994	1.017	1.000			
6/30/2012	1.220	1.337	0.883	1.029	0.944	1.030	1.000				
6/30/2013	2.136	0.888	0.867	1.129	0.983	1.017					
6/30/2014	1.083	0.963	0.854	1.012	0.960						
6/30/2015	1.430	1.157	1.133	0.914							
6/30/2016	0.825	1.053	1.090								
6/30/2017	0.744	1.828									
6/30/2018	1.312										
3 Yr Mean	0.960	1.346	1.026	1.018	0.962	1.014	1.028	1.000	1.005	1.000	0.995
Best 3/5	1.073	1.058	0.947	0.989	0.962	1.014	1.006	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
6/30/2004	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
6/30/2005	1.000	1.000	1.000								
6/30/2006	1.012	0.995									
6/30/2007	1.000										
3 Yr Mean	1.004	0.998	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.962	1.014	1.006	1.000	1.000	1.000	1.000
6/30/2016				0.989	0.962	1.014	1.006	1.000	1.000	1.000	1.000
6/30/2017			0.947	0.989	0.962	1.014	1.006	1.000	1.000	1.000	1.000
6/30/2018		1.058	0.947	0.989	0.962	1.014	1.006	1.000	1.000	1.000	1.000
6/30/2019	1.073	1.058	0.947	0.989	0.962	1.014	1.006	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.981
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.971
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.919
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.972
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.043

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	100,237	136,745	478,384	638,225	729,838	727,237	924,061	844,840	860,907	864,024	864,024
6/30/2001	68,330	254,158	423,657	899,958	768,548	815,763	822,991	842,186	875,720	876,154	876,154
6/30/2002	65,142	98,075	283,069	617,501	716,654	743,868	764,332	769,614	769,614	769,614	769,614
6/30/2003	106,831	285,546	416,346	585,755	644,562	830,566	851,666	874,410	888,335	897,216	920,295
6/30/2004	111,417	168,626	613,592	600,531	622,343	691,992	713,735	720,428	724,495	724,533	724,571
6/30/2005	62,966	224,288	470,371	657,537	974,635	976,765	979,844	992,141	1,000,163	1,006,544	1,015,572
6/30/2006	104,010	272,427	577,031	857,767	859,804	866,973	908,612	943,332	934,972	935,308	935,308
6/30/2007	27,313	116,613	261,512	502,532	660,602	859,974	855,797	863,583	851,788	850,390	850,390
6/30/2008	33,042	223,501	418,441	560,634	700,413	693,049	713,430	714,662	695,492	714,981	714,979
6/30/2009	45,532	198,269	623,063	1,145,955	1,336,076	1,413,304	1,424,221	1,448,081	1,454,605	1,454,605	1,454,605
6/30/2010	67,810	269,840	722,027	564,786	672,107	720,329	774,659	805,386	806,294	806,294	
6/30/2011	94,894	176,847	392,114	522,778	550,331	570,083	578,095	590,414	590,414		
6/30/2012	139,104	284,451	704,806	1,196,488	1,254,336	1,145,134	1,236,596	1,225,431			
6/30/2013	36,130	253,332	511,998	572,757	645,966	665,672	672,718				
6/30/2014	377,165	471,158	657,003	1,145,851	1,211,190	1,216,875					
6/30/2015	90,901	180,447	534,496	739,584	805,897						
6/30/2016	27,193	163,950	333,665	467,889							
6/30/2017	74,339	117,948	228,705								
6/30/2018	165,508	284,608									
6/30/2019	11,975										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	860,761	860,761	860,761	860,761	860,761	860,761	860,761	860,761	860,761
6/30/2001	876,154	876,154	876,154	876,154	876,154	876,154	876,154	876,154	
6/30/2002	769,614	769,614	769,614	769,614	769,614	769,614	769,614		
6/30/2003	960,834	961,378	961,378	961,378	961,378	961,378			
6/30/2004	724,571	724,571	724,571	724,571	724,571				
6/30/2005	1,016,200	1,016,200	1,016,200	1,016,200					
6/30/2006	935,308	935,308	935,308						
6/30/2007	850,390	850,390							
6/30/2008	695,683								

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

	Increments												
<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	36,508	341,639	159,841	91,613	-2,601	196,824	-79,221	16,067	3,117	0	-3,263	0	0
6/30/2001	185,828	169,499	476,301	-131,410	47,215	7,228	19,195	33,534	434	0	0	0	0
6/30/2002	32,933	184,994	334,432	99,153	27,214	20,464	5,282	0	0	0	0	0	0
6/30/2003	178,715	130,800	169,409	58,807	186,004	21,100	22,744	13,925	8,881	23,079	40,539	544	0
6/30/2004	57,209	444,966	-13,061	21,812	69,649	21,743	6,693	4,067	38	38	0	0	0
6/30/2005	161,322	246,083	187,166	317,098	2,130	3,079	12,297	8,022	6,381	9,028	628	0	0
6/30/2006	168,417	304,604	280,736	2,037	7,169	41,639	34,720	-8,360	336	0	0	0	0
6/30/2007	89,300	144,899	241,020	158,070	199,372	-4,177	7,786	-11,795	-1,398	0	0	0	0
6/30/2008	190,459	194,940	142,193	139,779	-7,364	20,381	1,232	-19,170	19,489	-2	-19,296		
6/30/2009	152,737	424,794	522,892	190,121	77,228	10,917	23,860	6,524	0	0			
6/30/2010	202,030	452,187	-157,241	107,321	48,222	54,330	30,727	908	0				
6/30/2011	81,953	215,267	130,664	27,553	19,752	8,012	12,319	0					
6/30/2012	145,347	420,355	491,682	57,848	-109,202	91,462	-11,165						
6/30/2013	217,202	258,666	60,759	73,209	19,706	7,046							
6/30/2014	93,993	185,845	488,848	65,339	5,685								
6/30/2015	89,546	354,049	205,088	66,313									
6/30/2016	136,757	169,715	134,224										
6/30/2017	43,609	110,757											
6/30/2018	119,100												

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0135	0.1262	0.0590	0.0338	-0.0010	0.0727	-0.0293	0.0059	0.0012	0.0000	-0.0012	0.0000	0.0000
6/30/2001	0.0723	0.0659	0.1853	-0.0511	0.0184	0.0028	0.0075	0.0130	0.0002	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0171	0.0961	0.1737	0.0515	0.0141	0.0106	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0819	0.0599	0.0776	0.0270	0.0852	0.0097	0.0104	0.0064	0.0041	0.0106	0.0186	0.0002	0.0000
6/30/2004	0.0262	0.2041	-0.0060	0.0100	0.0320	0.0100	0.0031	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0495	0.0755	0.0574	0.0973	0.0007	0.0009	0.0038	0.0025	0.0020	0.0028	0.0002	0.0000	0.0000
6/30/2006	0.0595	0.1077	0.0993	0.0007	0.0025	0.0147	0.0123	-0.0030	0.0001	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0441	0.0715	0.1189	0.0780	0.0984	-0.0021	0.0038	-0.0058	-0.0007	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.2424	0.2481	0.1809	0.1779	-0.0094	0.0259	0.0016	-0.0244	0.0248	0.0000	-0.0246		
6/30/2009	0.0528	0.1470	0.1809	0.0658	0.0267	0.0038	0.0083	0.0023	0.0000	0.0000			
6/30/2010	0.0914	0.2045	-0.0711	0.0485	0.0218	0.0246	0.0139	0.0004	0.0000				
6/30/2011	0.0412	0.1083	0.0657	0.0139	0.0099	0.0040	0.0062	0.0000					
6/30/2012	0.0544	0.1573	0.1840	0.0217	-0.0409	0.0342	-0.0042						
6/30/2013	0.1090	0.1298	0.0305	0.0368	0.0099	0.0035							
6/30/2014	0.0520	0.1027	0.2702	0.0361	0.0031								
6/30/2015	0.0244	0.0966	0.0559	0.0181									
6/30/2016	0.1054	0.1308	0.1035										
6/30/2017	0.0245	0.0623											
6/30/2018	0.0321												

Best 3/5	0.0362	0.1097	0.1145	0.0253	0.0077	0.0108	0.0053	-0.0018	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MINNESOTA
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	1,614,559	1,695,641	1,723,693	1,695,416	1,734,717	1,741,467	1,747,013	1,858,704	1,887,448	1,789,304	1,786,304
6/30/2001	1,859,179	1,874,182	1,973,566	2,152,256	2,352,021	2,478,674	2,410,466	2,404,159	2,403,239	2,437,056	2,481,961
6/30/2002	2,150,499	2,862,876	2,658,916	2,825,823	2,721,873	2,876,489	2,952,488	2,893,877	2,908,343	2,945,842	2,840,544
6/30/2003	1,379,088	1,565,235	2,158,799	2,210,927	1,999,068	2,028,213	1,987,843	1,981,122	1,989,843	1,974,843	1,978,218
6/30/2004	1,784,963	2,141,354	2,177,489	2,090,363	1,842,691	1,791,735	1,793,074	1,791,691	1,805,590	1,804,925	1,824,925
6/30/2005	2,291,961	1,955,155	1,995,229	1,996,125	1,980,749	1,984,206	2,057,351	2,075,429	2,007,813	1,998,571	1,991,571
6/30/2006	1,896,486	1,433,728	1,551,074	1,532,125	1,506,779	1,546,575	1,503,925	1,503,925	1,537,841	1,505,549	1,523,057
6/30/2007	1,662,437	1,744,164	1,774,163	1,606,271	1,719,168	1,731,297	1,714,380	1,705,880	1,740,880	1,731,480	1,706,880
6/30/2008	1,606,548	1,710,265	1,814,837	1,806,432	1,902,809	1,964,140	1,919,227	1,919,235	1,919,235	1,919,227	1,919,227
6/30/2009	1,349,927	1,400,267	1,462,102	1,433,821	1,333,643	1,376,143	1,333,293	1,332,331	1,338,082	1,338,082	1,338,082
6/30/2010	1,491,603	1,709,845	1,532,163	1,528,195	1,532,695	1,536,025	1,537,765	1,537,770	1,547,762	1,547,762	
6/30/2011	1,494,718	1,595,405	1,443,367	1,407,744	1,431,864	1,473,888	1,425,614	1,453,114	1,458,114		
6/30/2012	1,522,545	1,433,458	1,718,480	1,759,893	1,743,525	1,724,400	1,721,560	1,721,560			
6/30/2013	1,544,664	1,820,220	1,657,201	1,868,382	1,842,382	1,851,902	1,902,002				
6/30/2014	2,060,152	2,064,267	1,983,222	1,932,131	1,886,896	1,861,996					
6/30/2015	1,818,579	1,782,513	1,759,461	1,848,130	1,852,889						
6/30/2016	1,895,408	2,365,531	2,391,160	2,337,113							
6/30/2017	1,595,221	1,658,286	1,706,342								
6/30/2018	1,830,623	2,261,241									
6/30/2019	1,936,588										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	1,791,304	1,786,304	1,786,304	1,786,304	1,786,304	1,786,304	1,786,304	1,786,304	1,786,304		
6/30/2001	2,471,961	2,471,961	2,471,961	2,471,961	2,471,961	2,471,961	2,471,961	2,471,961			
6/30/2002	2,837,344	2,831,045	2,831,045	2,831,045	2,831,045	2,831,045	2,831,045				
6/30/2003	1,974,843	1,974,843	1,974,843	1,974,843	1,974,843	1,974,843					
6/30/2004	1,809,925	1,804,927	1,804,925	1,804,925	1,804,925						
6/30/2005	1,992,571	1,991,571	1,991,571	1,991,571							
6/30/2006	1,523,049	1,523,049	1,523,049								
6/30/2007	1,706,880	1,706,880									
6/30/2008	1,919,227										

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

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.050	1.017	0.984	1.023	1.004	1.003	1.064	1.015	0.948	0.998	1.003
6/30/2001	1.008	1.053	1.091	1.093	1.054	0.972	0.997	1.000	1.014	1.018	0.996
6/30/2002	1.331	0.929	1.063	0.963	1.057	1.026	0.980	1.005	1.013	0.964	0.999
6/30/2003	1.135	1.379	1.024	0.904	1.015	0.980	0.997	1.004	0.992	1.002	0.998
6/30/2004	1.200	1.017	0.960	0.882	0.972	1.001	0.999	1.008	1.000	1.011	0.992
6/30/2005	0.853	1.020	1.000	0.992	1.002	1.037	1.009	0.967	0.995	0.996	1.001
6/30/2006	0.756	1.082	0.988	0.983	1.026	0.972	1.000	1.023	0.979	1.012	1.000
6/30/2007	1.049	1.017	0.905	1.070	1.007	0.990	0.995	1.021	0.995	0.986	1.000
6/30/2008	1.065	1.061	0.995	1.053	1.032	0.977	1.000	1.000	1.000	1.000	1.000
6/30/2009	1.037	1.044	0.981	0.930	1.032	0.969	0.999	1.004	1.000	1.000	
6/30/2010	1.146	0.896	0.997	1.003	1.002	1.001	1.000	1.006	1.000		
6/30/2011	1.067	0.905	0.975	1.017	1.029	0.967	1.019	1.003			
6/30/2012	0.941	1.199	1.024	0.991	0.989	0.998	1.000				
6/30/2013	1.178	0.910	1.127	0.986	1.005	1.027					
6/30/2014	1.002	0.961	0.974	0.977	0.987						
6/30/2015	0.980	0.987	1.050	1.003							
6/30/2016	1.248	1.011	0.977								
6/30/2017	1.040	1.029									
6/30/2018	1.235										

3 Yr Mean 1.174 1.009 1.000 0.989 0.994 0.997 1.006 1.004 1.000 0.995 1.000

Best 3/5 1.092 0.986 1.017 0.993 0.999 0.989 1.000 1.004 0.998 0.999 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
6/30/2002	0.998	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2004	0.997	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2005	0.999	1.000	1.000					
6/30/2006	1.000	1.000						
6/30/2007	1.000							

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

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.999	0.989	1.000	1.004	0.998	0.999	1.000
6/30/2016				0.993	0.999	0.989	1.000	1.004	0.998	0.999	1.000
6/30/2017			1.017	0.993	0.999	0.989	1.000	1.004	0.998	0.999	1.000
6/30/2018		0.986	1.017	0.993	0.999	0.989	1.000	1.004	0.998	0.999	1.000
6/30/2019	1.092	0.986	1.017	0.993	0.999	0.989	1.000	1.004	0.998	0.999	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.989
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.999
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.985
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.075

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	78,621	97,021	136,641	191,544	226,620	246,962	261,114	266,347	276,887	277,953	283,487
6/30/2001	273,102	399,451	239,856	387,595	498,450	580,235	766,846	821,432	864,079	880,984	921,391
6/30/2002	80,606	291,569	401,034	682,003	1,123,962	1,311,244	1,385,436	1,409,872	1,403,639	1,426,440	1,427,743
6/30/2003	98,421	268,914	565,693	693,335	730,715	798,186	708,757	700,265	726,544	701,562	709,062
6/30/2004	131,586	359,062	493,162	578,318	617,272	615,121	628,402	640,386	651,013	653,677	653,652
6/30/2005	196,638	176,655	192,104	226,343	242,720	249,942	274,988	303,894	376,424	398,521	392,457
6/30/2006	109,786	232,835	712,120	778,708	827,277	825,613	845,856	846,656	846,656	846,673	859,774
6/30/2007	50,223	41,062	61,868	50,966	66,794	77,518	79,457	84,674	84,674	85,824	86,285
6/30/2008	61,210	101,546	238,721	286,601	433,820	698,715	701,307	701,307	868,045	905,428	905,428
6/30/2009	44,269	101,927	186,080	213,831	220,986	224,022	225,769	225,769	225,771	225,771	225,771
6/30/2010	115,541	239,479	359,962	371,558	372,263	376,534	380,700	380,700	380,700	380,700	
6/30/2011	73,009	151,477	295,743	299,505	372,377	460,883	498,192	570,111	588,656		
6/30/2012	125,207	273,372	559,993	677,487	709,526	731,989	750,894	751,417			
6/30/2013	64,704	269,532	321,659	447,349	600,930	650,818	712,823				
6/30/2014	185,286	363,925	646,228	795,892	847,592						
6/30/2015	84,814	192,579	386,214	859,919	1,251,200						
6/30/2016	79,828	181,203	188,339	336,672							
6/30/2017	69,279	92,278	145,054								
6/30/2018	57,820	175,159									
6/30/2019	68,770										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	293,487	283,868	284,861	284,861	284,861	284,861	284,861	284,861	284,861
6/30/2001	937,709	937,709	937,709	937,709	937,709	937,709	937,709	937,709	
6/30/2002	1,430,993	1,430,993	1,430,993	1,430,993	1,430,993	1,430,993	1,430,993		
6/30/2003	734,560	734,560	734,560	734,560	734,560				
6/30/2004	653,652	664,762	664,762	664,762	664,762				
6/30/2005	392,457	392,457	392,457	392,457					
6/30/2006	859,774	859,774	859,774						
6/30/2007	86,285								
6/30/2008	905,428								

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	18,400	39,620	54,903	35,076	20,342	14,152	5,233	10,540	1,066	5,534	10,000	-9,619	993
6/30/2001	126,349	-159,595	147,739	110,855	81,785	186,611	54,586	42,647	16,905	40,407	16,318	0	0
6/30/2002	210,963	109,465	280,969	441,959	187,282	74,192	24,436	-6,233	22,801	1,303	3,250	0	0
6/30/2003	170,493	296,779	127,642	37,380	67,471	-89,429	-8,492	26,279	-24,982	7,500	25,498	0	0
6/30/2004	227,476	134,100	85,156	38,954	-2,151	13,281	11,984	10,627	2,664	-25	0	11,110	0
6/30/2005	-19,983	15,449	34,239	16,377	7,222	25,046	28,906	72,530	22,097	-6,064	0	0	0
6/30/2006	123,049	479,285	66,588	48,569	-1,664	20,243	800	0	17	13,101	0	0	0
6/30/2007	-9,161	20,806	-10,902	15,828	10,724	1,939	5,217	0	1,150	461	0	0	
6/30/2008	40,336	137,175	47,880	147,219	264,895	2,592	0	166,738	37,383	0	0		
6/30/2009	57,658	84,153	27,751	7,155	3,036	1,747	0	2	0	0			
6/30/2010	123,938	120,483	11,596	705	4,271	4,166	0	0	0				
6/30/2011	78,468	144,266	3,762	72,872	88,506	37,309	71,919	18,545					
6/30/2012	148,165	286,621	117,494	32,039	22,463	18,905	523						
6/30/2013	204,828	52,127	125,690	153,581	49,888	62,005							
6/30/2014	178,639	282,303	149,664	51,700	30,140								
6/30/2015	107,765	193,635	473,705	391,281									
6/30/2016	101,375	7,136	148,333										
6/30/2017	22,999	52,776											
6/30/2018	117,339												

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0083	0.0179	0.0248	0.0158	0.0092	0.0064	0.0024	0.0048	0.0005	0.0025	0.0045	-0.0043	0.0004
6/30/2001	0.0429	-0.0542	0.0502	0.0377	0.0278	0.0634	0.0185	0.0145	0.0057	0.0137	0.0055	0.0000	0.0000
6/30/2002	0.0519	0.0269	0.0691	0.1087	0.0461	0.0182	0.0060	-0.0015	0.0056	0.0003	0.0008	0.0000	0.0000
6/30/2003	0.0676	0.1177	0.0506	0.0148	0.0268	-0.0355	-0.0034	0.0104	-0.0099	0.0030	0.0101	0.0000	0.0000
6/30/2004	0.0936	0.0552	0.0350	0.0160	-0.0009	0.0055	0.0049	0.0044	0.0011	0.0000	0.0000	0.0046	0.0000
6/30/2005	-0.0074	0.0057	0.0126	0.0060	0.0027	0.0092	0.0107	0.0268	0.0082	-0.0022	0.0000	0.0000	0.0000
6/30/2006	0.0608	0.2368	0.0329	0.0240	-0.0008	0.0100	0.0004	0.0000	0.0000	0.0065	0.0000	0.0000	0.0000
6/30/2007	-0.0052	0.0118	-0.0062	0.0090	0.0061	0.0011	0.0030	0.0000	0.0007	0.0003	0.0000	0.0000	
6/30/2008	0.0155	0.0526	0.0184	0.0565	0.1016	0.0010	0.0000	0.0639	0.0143	0.0000	0.0000		
6/30/2009	0.0301	0.0439	0.0145	0.0037	0.0016	0.0009	0.0000	0.0000	0.0000	0.0000			
6/30/2010	0.0505	0.0491	0.0047	0.0003	0.0017	0.0017	0.0000	0.0000	0.0000				
6/30/2011	0.0472	0.0868	0.0023	0.0439	0.0533	0.0225	0.0433	0.0112					
6/30/2012	0.0624	0.1208	0.0495	0.0135	0.0095	0.0080	0.0002						
6/30/2013	0.0654	0.0166	0.0401	0.0490	0.0159	0.0198							
6/30/2014	0.0562	0.0888	0.0471	0.0163	0.0095								
6/30/2015	0.0432	0.0777	0.1901	0.1570									
6/30/2016	0.0308	0.0022	0.0451										
6/30/2017	0.0101	0.0232											
6/30/2018	0.0330												

Best 3/5	0.0357	0.0392	0.0472	0.0364	0.0116	0.0098	0.0001	0.0037	0.0002	0.0001	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MINNESOTA
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	4,469,513	3,959,115	4,755,676	4,798,777	4,547,991	4,608,991	4,554,591	4,578,091	4,566,091	4,563,592	4,563,592
6/30/2001	4,353,476	4,242,079	4,538,026	4,061,586	4,091,156	4,060,445	4,041,773	4,022,429	3,998,429	3,998,428	3,998,428
6/30/2002	2,941,999	2,671,834	2,753,129	2,992,338	2,951,129	2,954,709	2,904,554	2,889,255	2,904,255	2,904,255	2,924,255
6/30/2003	3,045,444	2,353,454	2,709,564	2,330,606	2,305,059	2,307,310	2,297,460	2,196,960	2,195,637	2,195,637	2,195,637
6/30/2004	3,456,079	3,664,601	4,059,206	3,942,253	3,929,721	3,798,809	3,681,809	3,681,809	3,681,809	3,685,348	3,685,348
6/30/2005	3,459,304	3,290,682	3,248,676	2,744,666	2,711,774	2,600,824	2,561,556	2,535,993	2,444,825	2,444,824	2,444,824
6/30/2006	3,782,919	3,300,292	2,986,173	3,303,484	3,285,522	3,186,122	3,073,515	2,846,604	2,847,604	2,851,605	2,851,604
6/30/2007	4,114,792	3,820,686	3,556,285	3,649,517	3,377,236	3,290,388	3,457,888	3,387,888	3,401,238	3,341,238	3,341,238
6/30/2008	4,369,786	4,296,248	4,104,106	4,038,870	3,964,075	3,643,944	3,545,675	3,629,724	3,599,358	3,599,358	3,599,358
6/30/2009	5,523,483	5,802,309	5,497,408	4,640,935	4,601,851	4,609,511	4,713,545	4,651,269	4,607,493	4,607,493	4,607,493
6/30/2010	4,630,298	4,242,815	4,295,527	4,179,562	3,920,983	3,758,912	3,807,912	3,783,471	3,785,282	3,785,282	
6/30/2011	5,493,900	4,584,748	4,153,930	3,789,241	3,536,641	3,553,371	3,356,371	3,327,024	3,327,024		
6/30/2012	4,149,779	3,500,432	3,707,354	3,550,136	3,624,085	3,582,981	3,556,481	3,456,481			
6/30/2013	4,389,851	4,522,488	4,250,259	4,288,177	4,200,463	4,208,784	4,308,776				
6/30/2014	5,132,565	4,895,428	4,537,520	4,580,753	4,510,814	4,457,342					
6/30/2015	3,476,803	3,846,262	3,368,058	3,609,446	3,427,938						
6/30/2016	3,300,244	3,217,878	3,204,623	3,009,085							
6/30/2017	3,905,014	4,690,333	4,399,439								
6/30/2018	4,865,961	5,327,453									
6/30/2019	4,577,931										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	4,563,592	4,563,592	4,563,592	4,763,592	4,563,592	4,563,592	4,563,592	4,563,592	4,563,592		
6/30/2001	3,998,428	3,998,428	3,998,428	3,998,428	3,998,428	3,998,428	3,998,428	3,998,428			
6/30/2002	2,944,255	2,964,255	2,964,255	2,964,255	2,964,255	2,964,255	3,014,255				
6/30/2003	2,195,637	2,195,637	2,195,637	2,195,637	2,195,637	2,195,637					
6/30/2004	3,685,348	3,685,348	3,685,348	3,685,348	3,685,348						
6/30/2005	2,444,824	2,444,824	2,444,824	2,444,824							
6/30/2006	2,851,604	2,851,604	2,751,604								
6/30/2007	3,341,238	3,341,238									
6/30/2008	3,599,358										

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

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	0.886	1.201	1.009	0.948	1.013	0.988	1.005	0.997	0.999	1.000	1.000
6/30/2001	0.974	1.070	0.895	1.007	0.992	0.995	0.995	0.994	1.000	1.000	1.000
6/30/2002	0.908	1.030	1.087	0.986	1.001	0.983	0.995	1.005	1.000	1.007	1.007
6/30/2003	0.773	1.151	0.860	0.989	1.001	0.996	0.956	0.999	1.000	1.000	1.000
6/30/2004	1.060	1.108	0.971	0.997	0.967	0.969	1.000	1.000	1.001	1.000	1.000
6/30/2005	0.951	0.987	0.845	0.988	0.959	0.985	0.990	0.964	1.000	1.000	1.000
6/30/2006	0.872	0.905	1.106	0.995	0.970	0.965	1.000	0.926	1.001	1.000	1.000
6/30/2007	0.929	0.931	1.026	0.925	0.974	1.051	0.980	1.004	0.982	1.000	1.000
6/30/2008	0.983	0.955	0.984	0.981	0.919	0.973	1.024	0.992	1.000	1.000	1.000
6/30/2009	1.050	0.947	0.844	0.992	1.002	1.023	0.987	0.991	1.000	1.000	
6/30/2010	0.916	1.012	0.973	0.938	0.959	1.013	0.994	1.000	1.000		
6/30/2011	0.835	0.906	0.912	0.933	1.005	0.945	0.991	1.000			
6/30/2012	0.844	1.059	0.958	1.021	0.989	0.993	0.972				
6/30/2013	1.030	0.940	1.009	0.980	1.002	1.024					
6/30/2014	0.954	0.927	1.010	0.985	0.988						
6/30/2015	1.106	0.876	1.072	0.950							
6/30/2016	0.975	0.996	0.939								
6/30/2017	1.201	0.938									
6/30/2018	1.095										

3 Yr Mean 1.090 0.937 1.007 0.972 0.993 0.987 0.986 0.997 1.000 1.000 1.000

Best 3/5 1.059 0.935 0.992 0.972 0.993 1.010 0.991 0.997 1.000 1.000 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	1.000	1.000	1.044	0.958	1.000	1.000	1.000	1.000
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
6/30/2002	1.007	1.000	1.000	1.000	1.000	1.017	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000					
6/30/2006	1.000	0.965						
6/30/2007	1.000							

3 Yr Mean 1.000 0.988 1.000 1.000 1.000 @ 1.006 @ 1.000 @ 1.000 @

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.993	1.010	0.991	0.997	1.000	1.000	1.000
6/30/2016				0.972	0.993	1.010	0.991	0.997	1.000	1.000	1.000
6/30/2017			0.992	0.972	0.993	1.010	0.991	0.997	1.000	1.000	1.000
6/30/2018		0.935	0.992	0.972	0.993	1.010	0.991	0.997	1.000	1.000	1.000
6/30/2019	1.059	0.935	0.992	0.972	0.993	1.010	0.991	0.997	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.991
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.963
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.955
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.893
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.946

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	714,708	707,700	842,669	1,134,135	1,294,512	1,393,222	1,371,055	1,373,989	1,389,737	1,399,824	1,399,824
6/30/2001	989,452	815,280	938,499	1,219,358	1,221,909	1,259,355	1,317,734	1,366,004	1,362,068	1,357,934	1,358,047
6/30/2002	458,477	614,417	1,388,875	1,642,490	1,371,599	1,375,142	1,414,373	1,369,385	1,369,385	1,369,113	1,370,113
6/30/2003	467,472	566,644	756,036	676,027	679,988	742,198	803,147	788,154	788,534	788,534	788,534
6/30/2004	565,401	805,970	783,679	1,021,162	1,036,088	1,047,880	1,047,353	1,047,720	1,047,721	1,050,623	1,050,623
6/30/2005	398,653	580,497	764,628	847,465	887,129	863,378	854,061	919,121	918,760	917,154	917,154
6/30/2006	164,933	947,034	1,383,232	1,514,084	1,604,116	1,685,471	1,731,890	1,720,164	1,740,522	1,751,878	1,757,499
6/30/2007	550,721	1,115,315	1,476,527	1,595,662	1,734,302	1,791,473	1,811,273	1,812,732	1,842,113	1,844,171	1,844,171
6/30/2008	365,721	392,896	533,243	751,268	967,894	1,138,503	1,153,150	1,176,457	1,158,958	1,158,958	1,158,958
6/30/2009	308,400	487,622	962,840	1,103,534	1,231,745	1,288,150	1,345,936	1,357,835	1,361,653	1,361,653	1,361,653
6/30/2010	236,634	469,289	864,600	1,184,386	1,235,230	1,284,883	1,325,361	1,314,905	1,313,305	1,313,305	
6/30/2011	327,633	329,404	545,256	619,126	709,400	739,363	906,186	828,524	838,371		
6/30/2012	305,504	528,971	621,982	738,485	1,010,816	1,164,410	1,125,354	1,125,355			
6/30/2013	370,620	983,449	982,177	1,006,727	1,141,694	1,127,835	1,214,172				
6/30/2014	612,166	1,043,151	1,458,459	1,562,844	1,813,229	1,764,239					
6/30/2015	357,099	630,344	833,849	874,061	769,383						
6/30/2016	352,084	531,692	643,943	879,243							
6/30/2017	315,630	461,414	772,529								
6/30/2018	512,369	636,699									
6/30/2019	462,427										

A.Y.E.	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	1,399,824	1,399,824	1,399,779	1,439,779	1,399,779	1,399,779	1,399,779	1,399,779	1,399,779
6/30/2001	1,358,047	1,358,047	1,358,047	1,358,047	1,361,432	1,367,083	1,367,083	1,367,083	
6/30/2002	1,371,613	1,376,613	1,369,113	1,369,113	1,369,113	1,369,113	1,399,112		
6/30/2003	788,534	788,534	788,534	788,534	788,534	788,534			
6/30/2004	1,050,623	1,050,623	1,050,623	1,050,623	1,050,623				
6/30/2005	917,154	917,154	917,154	917,154					
6/30/2006	1,760,722	1,785,606	1,785,750						
6/30/2007	1,844,171	1,844,171							
6/30/2008	1,158,958								

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

	Increments												
<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2000	-7,008	134,969	291,466	160,377	98,710	-22,167	2,934	15,748	10,087	0	0	0	-45
6/30/2001	-174,172	123,219	280,859	2,551	37,446	58,379	48,270	-3,936	-4,134	113	0	0	0
6/30/2002	155,940	774,458	253,615	-270,891	3,543	39,231	-44,988	0	-272	1,000	1,500	5,000	-7,500
6/30/2003	99,172	189,392	-80,009	3,961	62,210	60,949	-14,993	380	0	0	0	0	0
6/30/2004	240,569	-22,291	237,483	14,926	11,792	-527	367	1	2,902	0	0	0	0
6/30/2005	181,844	184,131	82,837	39,664	-23,751	-9,317	65,060	-361	-1,606	0	0	0	0
6/30/2006	782,101	436,198	130,852	90,032	81,355	46,419	-11,726	20,358	11,356	5,621	3,223	24,884	144
6/30/2007	564,594	361,212	119,135	138,640	57,171	19,800	1,459	29,381	2,058	0	0	0	0
6/30/2008	27,175	140,347	218,025	216,626	170,609	14,647	23,307	-17,499	0	0	0	0	0
6/30/2009	179,222	475,218	140,694	128,211	56,405	57,786	11,899	3,818	0	0	0	0	0
6/30/2010	232,655	395,311	319,786	50,844	49,653	40,478	-10,456	-1,600	0	0	0	0	0
6/30/2011	1,771	215,852	73,870	90,274	29,963	166,823	-77,662	9,847	0	0	0	0	0
6/30/2012	223,467	93,011	116,503	272,331	153,594	-39,056	1	0	0	0	0	0	0
6/30/2013	612,829	-1,272	24,550	134,967	-13,859	86,337	0	0	0	0	0	0	0
6/30/2014	430,985	415,308	104,385	250,385	-48,990	0	0	0	0	0	0	0	0
6/30/2015	273,245	203,505	40,212	-104,678	0	0	0	0	0	0	0	0	0
6/30/2016	179,608	112,251	235,300	0	0	0	0	0	0	0	0	0	0
6/30/2017	145,784	311,115	0	0	0	0	0	0	0	0	0	0	0
6/30/2018	124,330	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	-0.0011	0.0210	0.0453	0.0249	0.0153	-0.0034	0.0005	0.0024	0.0016	0.0000	0.0000	0.0000	0.0000
6/30/2001	-0.0359	0.0254	0.0579	0.0005	0.0077	0.0120	0.0100	-0.0008	-0.0009	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0424	0.2104	0.0689	-0.0736	0.0010	0.0107	-0.0122	0.0000	-0.0001	0.0003	0.0004	0.0014	-0.0020
6/30/2003	0.0374	0.0715	-0.0302	0.0015	0.0235	0.0230	-0.0057	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0530	-0.0049	0.0523	0.0033	0.0026	-0.0001	0.0001	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0571	0.0578	0.0260	0.0125	-0.0075	-0.0029	0.0204	-0.0001	-0.0005	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.2059	0.1148	0.0345	0.0237	0.0214	0.0122	-0.0031	0.0054	0.0030	0.0015	0.0008	0.0066	0.0000
6/30/2007	0.1092	0.0699	0.0230	0.0268	0.0111	0.0038	0.0003	0.0057	0.0004	0.0000	0.0000	0.0000	
6/30/2008	0.0059	0.0306	0.0475	0.0472	0.0372	0.0032	0.0051	-0.0038	0.0000	0.0000	0.0000		
6/30/2009	0.0292	0.0775	0.0229	0.0209	0.0092	0.0094	0.0019	0.0006	0.0000	0.0000			
6/30/2010	0.0400	0.0680	0.0550	0.0088	0.0085	0.0070	-0.0018	-0.0003	0.0000				
6/30/2011	0.0005	0.0578	0.0198	0.0242	0.0080	0.0447	-0.0208	0.0026					
6/30/2012	0.0430	0.0179	0.0224	0.0525	0.0296	-0.0075	0.0000						
6/30/2013	0.0986	-0.0002	0.0040	0.0217	-0.0022	0.0139							
6/30/2014	0.0664	0.0640	0.0161	0.0386	-0.0075								
6/30/2015	0.0600	0.0447	0.0088	-0.0230									
6/30/2016	0.0415	0.0260	0.0544										
6/30/2017	0.0256	0.0547											
6/30/2018	0.0199												

Best 3/5	0.0424	0.0418	0.0158	0.0282	0.0048	0.0101	0.0000	0.0010	0.0001	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MINNESOTA
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	609,429	1,630,045	533,324	540,331	470,323	455,324	455,424	459,623	455,324	455,324	455,324
6/30/2001	1,102,692	647,662	698,738	544,239	650,824	696,074	696,174	709,549	709,549	709,549	709,549
6/30/2002	517,324	545,391	525,213	519,213	536,226	634,832	609,508	597,008	597,008	597,008	597,008
6/30/2003	354,598	497,050	514,042	583,382	583,382	583,282	583,282	583,282	658,282	658,282	658,282
6/30/2004	359,109	604,385	516,232	423,707	471,207	486,057	486,058	486,057	486,057	586,057	586,057
6/30/2005	342,200	340,485	300,248	300,248	295,248	295,248	295,248	295,248	295,248	295,248	295,248
6/30/2006	220,320	204,356	410,606	310,606	195,606	195,606	295,606	295,606	295,606	305,606	205,606
6/30/2007	416,422	463,630	421,408	416,408	416,408	416,408	411,408	410,879	410,879	410,879	453,384
6/30/2008	259,310	280,048	227,625	179,277	179,277	179,277	194,277	194,277	194,277	194,277	194,277
6/30/2009	432,788	354,846	414,346	444,346	352,382	353,327	353,327	353,327	353,327	406,737	406,347
6/30/2010	534,827	445,554	512,797	506,517	606,517	506,517	606,517	606,517	606,517	606,517	
6/30/2011	387,480	504,837	484,808	467,412	474,912	474,912	484,911	484,911	484,911		
6/30/2012	283,743	411,791	433,782	483,782	513,051	486,785	486,782	486,782			
6/30/2013	441,833	600,227	708,272	718,350	714,350	716,085	816,085				
6/30/2014	620,130	719,432	716,969	714,968	727,468	736,603					
6/30/2015	535,933	596,882	568,454	597,045	591,695						
6/30/2016	715,037	658,264	668,917	669,001							
6/30/2017	709,735	957,111	980,605								
6/30/2018	728,178	698,624									
6/30/2019	821,471										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	455,324	455,324	455,324	455,324	455,324	455,324	455,324	455,324	455,324
6/30/2001	709,549	709,549	709,549	709,549	709,549	709,549	709,549	709,549	
6/30/2002	597,008	597,008	597,008	597,008	597,008	597,008	596,770		
6/30/2003	658,282	658,282	658,282	658,282	658,282	651,585			
6/30/2004	586,057	586,057	586,057	586,057	586,057				
6/30/2005	295,248	295,248	295,248	295,248					
6/30/2006	205,606	205,606	205,606						
6/30/2007	410,879	410,879							
6/30/2008	194,277								

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

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	2.675	0.327	1.013	0.870	0.968	1.000	1.009	0.991	1.000	1.000	1.000
6/30/2001	0.587	1.079	0.779	1.196	1.070	1.000	1.019	1.000	1.000	1.000	1.000
6/30/2002	1.054	0.963	0.989	1.033	1.184	0.960	0.979	1.000	1.000	1.000	1.000
6/30/2003	1.402	1.034	1.135	1.000	1.000	1.000	1.000	1.129	1.000	1.000	1.000
6/30/2004	1.683	0.854	0.821	1.112	1.032	1.000	1.000	1.000	1.206	1.000	1.000
6/30/2005	0.995	0.882	1.000	0.983	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2006	0.928	2.009	0.756	0.630	1.000	1.511	1.000	1.000	1.034	0.673	1.000
6/30/2007	1.113	0.909	0.988	1.000	1.000	0.988	0.999	1.000	1.000	1.103	0.906
6/30/2008	1.080	0.813	0.788	1.000	1.000	1.084	1.000	1.000	1.000	1.000	1.000
6/30/2009	0.820	1.168	1.072	0.793	1.003	1.000	1.000	1.000	1.151	0.999	
6/30/2010	0.833	1.151	0.988	1.197	0.835	1.197	1.000	1.000	1.000		
6/30/2011	1.303	0.960	0.964	1.016	1.000	1.021	1.000	1.000			
6/30/2012	1.451	1.053	1.115	1.061	0.949	1.000	1.000				
6/30/2013	1.358	1.180	1.014	0.994	1.002	1.140					
6/30/2014	1.160	0.997	0.997	1.017	1.013						
6/30/2015	1.114	0.952	1.050	0.991							
6/30/2016	0.921	1.016	1.000								
6/30/2017	1.349	1.025									
6/30/2018	0.959										

3 Yr Mean 1.076 0.998 1.016 1.001 0.988 1.054 1.000 1.000 1.000 1.050 1.034 0.969

Best 3/5 1.078 1.013 1.021 1.009 0.984 1.054 1.000 1.000 1.000 1.011 1.000 1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	0.990	1.000 *	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000					
6/30/2006	1.000	1.000						
6/30/2007	1.000							

3 Yr Mean 1.000 1.000 1.000 1.000 0.997 @ 1.000 @ 1.000 @ 1.000 @

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

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.984	1.054	1.000	1.000	1.011	1.000	1.000
6/30/2016				1.009	0.984	1.054	1.000	1.000	1.011	1.000	1.000
6/30/2017			1.021	1.009	0.984	1.054	1.000	1.000	1.011	1.000	1.000
6/30/2018		1.013	1.021	1.009	0.984	1.054	1.000	1.000	1.011	1.000	1.000
6/30/2019	1.078	1.013	1.021	1.009	0.984	1.054	1.000	1.000	1.011	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.049
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.058
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.080
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.094
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.180

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

A.Y.E.	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
6/30/2000	62,429	80,498	61,646	72,734	54,981	55,054	55,054	55,054	55,054	55,054	55,054
6/30/2001	118,634	113,355	161,141	162,806	198,742	237,346	237,422	237,436	237,436	237,436	237,436
6/30/2002	60,440	34,135	49,915	101,692	157,528	224,841	243,832	653,492	657,640	657,640	657,640
6/30/2003	32,566	57,088	256,732	299,940	299,568	299,512	299,512	299,512	413,050	416,127	416,127
6/30/2004	34,383	82,949	140,508	154,664	182,492	201,926	202,648	202,648	202,648	439,978	439,978
6/30/2005	24,025	53,384	79,275	80,083	76,126	76,126	76,126	76,126	76,126	76,126	76,126
6/30/2006	17,951	9,418	38,481	42,768	31,703	31,563	56,563	56,562	56,562	66,562	44,161
6/30/2007	17,671	21,166	37,531	36,803	36,802	36,802	36,450	36,450	36,450	36,450	84,132
6/30/2008	14,397	14,386	29,057	27,210	27,695	27,695	27,695	27,695	27,695	27,695	27,695
6/30/2009	88,306	66,399	71,076	93,855	128,855	101,101	101,101	101,101	101,101	101,101	101,101
6/30/2010	34,480	51,596	75,783	167,570	253,337	288,354	304,744	304,744	304,744	304,744	
6/30/2011	16,735	113,429	203,066	230,518	252,206	304,684	303,938	304,433	304,433		
6/30/2012	91,957	154,921	162,042	162,042	165,774	166,806	170,512	170,512			
6/30/2013	48,080	141,406	1,593,638	1,599,295	1,597,860	1,594,570	1,594,571				
6/30/2014	53,161	37,465	79,329	103,221	134,311	143,266					
6/30/2015	12,066	48,167	83,415	210,957	210,957						
6/30/2016	136,536	99,660	369,069	518,590							
6/30/2017	230,510	590,732	867,849								
6/30/2018	111,600	222,946									
6/30/2019	25,309										

A.Y.E.	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
6/30/2000	55,054	55,054	55,054	55,054	55,054	55,054	55,054	55,054	55,054
6/30/2001	237,436	237,436	237,436	237,436	237,436	237,436	237,436	237,436	
6/30/2002	657,640	657,640	657,640	657,640	657,640	657,640	657,640		
6/30/2003	416,127	416,127	416,127	416,127	416,127	416,127			
6/30/2004	439,978	439,978	439,978	439,978	439,978				
6/30/2005	76,126	76,126	76,126	76,126					
6/30/2006	44,161	44,161	44,161						
6/30/2007	36,637	36,637							
6/30/2008	27,695								

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	18,069	-18,852	11,088	-17,753	73	0	0	0	0	0	0	0	0
6/30/2001	-5,279	47,786	1,665	35,936	38,604	76	14	0	0	0	0	0	0
6/30/2002	-26,305	15,780	51,777	55,836	67,313	18,991	409,660	4,148	0	0	0	0	0
6/30/2003	24,522	199,644	43,208	-372	-56	0	0	113,538	3,077	0	0	0	0
6/30/2004	48,566	57,559	14,156	27,828	19,434	722	0	0	237,330	0	0	0	0
6/30/2005	29,359	25,891	808	-3,957	0	0	0	0	0	0	0	0	0
6/30/2006	-8,533	29,063	4,287	-11,065	-140	25,000	-1	0	10,000	-22,401	0	0	0
6/30/2007	3,495	16,365	-728	-1	0	-352	0	0	0	47,682	-47,495	0	0
6/30/2008	-11	14,671	-1,847	485	0	0	0	0	0	0	0	0	0
6/30/2009	-21,907	4,677	22,779	35,000	-27,754	0	0	0	0	0	0	0	0
6/30/2010	17,116	24,187	91,787	85,767	35,017	16,390	0	0	0	0	0	0	0
6/30/2011	96,694	89,637	27,452	21,688	52,478	-746	495	0	0	0	0	0	0
6/30/2012	62,964	7,121	0	3,732	1,032	3,706	0	0	0	0	0	0	0
6/30/2013	93,326	1,452,232	5,657	-1,435	-3,290	1	0	0	0	0	0	0	0
6/30/2014	-15,696	41,864	23,892	31,090	8,955	0	0	0	0	0	0	0	0
6/30/2015	36,101	35,248	127,542	0	0	0	0	0	0	0	0	0	0
6/30/2016	-36,876	269,409	149,521	0	0	0	0	0	0	0	0	0	0
6/30/2017	360,222	277,117	0	0	0	0	0	0	0	0	0	0	0
6/30/2018	111,346	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0397	-0.0414	0.0244	-0.0390	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2001	-0.0071	0.0639	0.0022	0.0480	0.0516	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	-0.0428	0.0257	0.0843	0.0909	0.1096	0.0309	0.6673	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0285	0.2318	0.0502	-0.0004	-0.0001	0.0000	0.0000	0.1318	0.0036	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0702	0.0832	0.0205	0.0402	0.0281	0.0010	0.0000	0.0000	0.3429	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0985	0.0868	0.0027	-0.0133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	-0.0411	0.1400	0.0206	-0.0533	-0.0007	0.1204	0.0000	0.0000	0.0482	-0.1079	0.0000	0.0000	0.0000
6/30/2007	0.0046	0.0216	-0.0010	0.0000	0.0000	-0.0005	0.0000	0.0000	0.0000	0.0630	-0.0627	0.0000	
6/30/2008	-0.0001	0.0748	-0.0094	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
6/30/2009	-0.0303	0.0065	0.0315	0.0484	-0.0384	0.0000	0.0000	0.0000	0.0000	0.0000			
6/30/2010	0.0151	0.0214	0.0812	0.0759	0.0310	0.0145	0.0000	0.0000	0.0000				
6/30/2011	0.1454	0.1348	0.0413	0.0326	0.0789	-0.0011	0.0007	0.0000					
6/30/2012	0.1048	0.0118	0.0000	0.0062	0.0017	0.0062	0.0000						
6/30/2013	0.0755	1.1754	0.0046	-0.0012	-0.0027	0.0000							
6/30/2014	-0.0191	0.0509	0.0291	0.0378	0.0109								
6/30/2015	0.0454	0.0443	0.1604	0.0000									
6/30/2016	-0.0288	0.2105	0.1168										
6/30/2017	0.2237	0.1721											
6/30/2018	0.1319												

Best 3/5	0.0527	0.1445	0.0502	0.0129	0.0145	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

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

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

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

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

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

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

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

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

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

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

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

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

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

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

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

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

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

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

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

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

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

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

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

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

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

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

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

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

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

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

\$100,000 Basic Limit Losses as of:

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

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

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

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

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

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

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

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

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

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

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

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

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

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

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

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

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

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

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

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

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

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

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

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

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

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

3 Yr Mean	1.418	1.210	1.068	1.006	0.997	0.996	0.998	0.998	0.999	1.000	1.000
Best 3/5	1.398	1.183	1.049	0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000

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

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

Development From

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

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

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

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

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

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

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

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

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

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

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

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

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

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

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

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

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

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

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

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

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

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	2,023,894	2,495,511	2,550,760	2,655,301	2,543,311	2,726,909	2,750,901	2,910,342	2,876,453	2,875,973	2,867,648
6/30/2001	2,115,401	2,450,828	2,774,218	2,938,571	2,935,176	3,014,676	3,148,106	2,914,754	3,061,652	3,086,597	3,145,962
6/30/2002	1,631,044	1,913,599	1,983,961	2,097,101	2,202,310	2,313,278	2,249,262	2,181,834	2,287,333	2,287,334	2,293,834
6/30/2003	1,704,068	1,751,684	1,816,374	1,973,402	1,992,020	1,875,474	1,880,101	1,935,816	1,960,933	1,958,083	1,959,083
6/30/2004	2,249,914	2,385,559	2,678,439	3,054,294	3,218,805	3,199,591	3,111,813	3,204,830	3,146,830	3,214,400	3,213,521
6/30/2005	2,337,502	2,349,239	2,283,660	2,670,560	2,614,155	2,785,177	2,630,195	2,749,237	2,710,738	2,722,026	2,718,026
6/30/2006	1,751,365	2,015,934	2,277,807	2,218,811	2,277,794	2,409,480	2,521,179	2,534,276	2,522,235	2,524,458	2,455,092
6/30/2007	1,771,337	2,318,672	2,826,129	2,642,214	2,627,386	2,462,197	2,431,833	2,456,811	2,554,812	2,554,811	2,554,811
6/30/2008	1,483,524	1,910,416	1,473,660	1,513,256	1,452,971	1,485,001	1,463,190	1,455,990	1,457,990	1,458,092	1,479,301
6/30/2009	2,726,359	2,087,022	2,416,032	2,264,497	2,291,958	2,235,384	2,338,306	2,255,885	2,255,884	2,255,884	2,260,884
6/30/2010	1,861,947	1,862,570	1,816,720	1,915,411	2,013,741	2,056,741	2,107,736	2,056,736	2,155,741	2,051,095	
6/30/2011	1,584,144	1,735,017	1,995,440	1,888,856	2,009,342	2,024,056	1,995,965	1,991,964	1,991,964		
6/30/2012	1,198,527	1,532,562	1,680,772	1,970,578	1,950,817	2,415,175	2,463,529	2,342,014			
6/30/2013	1,796,227	1,868,386	1,953,448	1,939,602	2,156,734	2,123,234	2,123,223				
6/30/2014	1,891,310	1,892,728	1,692,279	1,840,245	1,932,595	1,873,349					
6/30/2015	2,471,976	2,612,453	2,424,534	2,645,595	2,456,549						
6/30/2016	1,933,690	2,176,051	2,542,443	2,764,018							
6/30/2017	2,112,821	2,374,454	2,622,789								
6/30/2018	2,842,179	3,448,905									
6/30/2019	2,561,183										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2000	2,892,173	2,863,048	2,863,048	2,862,948	2,862,948	2,862,948	2,962,948	2,962,948	2,962,948		
6/30/2001	3,141,337	3,141,646	2,991,646	3,016,748	3,041,748	3,131,210	3,131,210	3,131,210	3,141,109		
6/30/2002	2,298,833	2,326,834	2,318,833	2,318,833	2,418,833	2,418,833	2,423,833				
6/30/2003	1,967,583	1,967,583	2,067,583	2,267,583	2,360,914	2,365,692					
6/30/2004	3,314,400	3,316,276	3,324,176	3,314,664	3,314,564						
6/30/2005	2,722,247	2,718,033	2,718,033	2,724,061							
6/30/2006	2,458,857	2,554,047	2,563,194								
6/30/2007	2,554,812	2,640,182									
6/30/2008	1,474,301										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.233	1.022	1.041	0.958	1.072	1.009	1.058	0.988	1.000	0.997	1.009
6/30/2001	1.159	1.132	1.059	0.999	1.027	1.044	0.926	1.050	1.008	1.019	0.999
6/30/2002	1.173	1.037	1.057	1.050	1.050	0.972	0.970	1.048	1.000	1.003	1.002
6/30/2003	1.028	1.037	1.086	1.009	0.941	1.002	1.030	1.013	0.999	1.001	1.004
6/30/2004	1.060	1.123	1.140	1.054	0.994	0.973	1.030	0.982	1.021	1.000	1.031
6/30/2005	1.005	0.972	1.169	0.979	1.065	0.944	1.045	0.986	1.004	0.999	1.002
6/30/2006	1.151	1.130	0.974	1.027	1.058	1.046	1.005	0.995	1.001	0.973	1.002
6/30/2007	1.309	1.219	0.935	0.994	0.937	0.988	1.010	1.040	1.000	1.000	1.000
6/30/2008	1.288	0.771	1.027	0.960	1.022	0.985	0.995	1.001	1.000	1.015	0.997
6/30/2009	0.765	1.158	0.937	1.012	0.975	1.046	0.965	1.000	1.000	1.002	
6/30/2010	1.000	0.975	1.054	1.051	1.021	1.025	0.976	1.048	0.951		
6/30/2011	1.095	1.150	0.947	1.064	1.007	0.986	0.998	1.000			
6/30/2012	1.279	1.097	1.172	0.990	1.238	1.020	0.951				
6/30/2013	1.040	1.046	0.993	1.112	0.984	1.000					
6/30/2014	1.001	0.894	1.087	1.050	0.969						
6/30/2015	1.057	0.928	1.091	0.929							
6/30/2016	1.125	1.168	1.087								
6/30/2017	1.124	1.105									
6/30/2018	1.213										

3 Yr Mean 1.154 1.067 1.088 1.030 1.064 1.002 0.975 1.016 0.984 1.006 1.000

Best 3/5 1.102 1.026 1.088 1.035 1.004 1.015 0.979 1.014 1.000 1.000 1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	0.990	1.000	1.000	1.000	1.000	1.035	1.000	1.000
6/30/2001	1.000	0.952	1.008	1.008	1.029	1.000	1.003	1.001 *
6/30/2002	1.012	0.997	1.000	1.043	1.000	1.002	1.001 *	1.001 *
6/30/2003	1.000	1.051	1.097	1.041	1.002	1.002 *	1.001 *	1.001 *
6/30/2004	1.001	1.002	0.997	1.000	1.016 *	1.002 *	1.001 *	1.001 *
6/30/2005	0.998	1.000	1.002					
6/30/2006	1.039	1.004						
6/30/2007	1.033							

3 Yr Mean 1.023 1.002 1.032 1.028 1.010 @ 1.012 @ 1.002 @ 1.000 @

Best 3/5 1.011 1.002 1.003 1.016 1.006 * 1.002 * 1.001 * 1.001 *

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

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

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

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

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

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

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

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

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

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

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

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

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

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

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

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

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

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

Notes: All dollar amounts are displayed in thousands.

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

PREMISES / OPERATIONS
TREND SUMMARY
AVERAGE ANNUAL PERCENT CHANGES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(See Section B- Explanation of Trend Calculation).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(See Section B- Explanation of Trend Calculation).

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

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

Selected Annual Frequency Trend: 0.0%

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

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

PREMISES/OPERATIONS
OWNERS, LANDLORDS AND TENANTS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES¹

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

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

Selected Annual Frequency Trend: - 0.5%

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

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

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

*Base Class

CLASS GROUP 01

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

CLASS GROUP 02

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

CLASS GROUP 03

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

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

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

CLASS GROUP 04

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

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

*Base Class

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

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

*Base Class

<u>CLASS GROUP 10</u>		61000	0.99	65007	1.65	49181	0.82	
41421	0.015	63010	1.80	66122	0.71	49183	1.00	*
41422	0.008	63011	2.25	66123	0.39	49184	2.11	
41603	0.71	63012	3.20	66309	1.14	49185	1.92	
41604	0.39	63013	3.03	66561	2.64	49292	0.060	
41650	1.00	68500	0.22	67017	2.45	49333	0.44	
41680	0.52	<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)

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

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

CLASS GROUP 33

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

*

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

CLASS GROUP 34

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

*

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

*Base Class

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

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

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

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

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

*

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

*Base Class

CLASS GROUP 38

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

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

CLASS GROUP 39

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

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

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

CLASS EXCEPTIONS

The following class exceptions apply by state:

Class Group 10

47469 Not valid for New Jersey

Class Group 13

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

Class Group 14

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

Class Group 32

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

Class Group 33

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

Class Group 35

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

Class Group 38

41620 Not valid for New York

Class Group 39

93169 Valid only for Louisiana

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

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

<u>A.Y.E.</u>	<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	1.043	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

	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>
	0.530	0.437	0.282	0.153	0.075	0.034	0.029
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.023	0.020	0.014	0.010	0.007	0.003	0.000

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

* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

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

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

PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

Development From

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

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

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

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

Development From

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

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

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

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

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

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

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

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

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

<u>A.Y.E.</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>Link Ratios</u> <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

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

* Calculated Using Modified Bondy Method

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

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

Notes: All dollar amounts are displayed in thousands.

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

PRODUCTS TREND SUMMARY

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

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

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

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

CHANGE IN EXPOSURES		PRODUCTS
7/1/2016 to 7/1/2021	(2021:4/2016:4)	1.067
7/1/2017 to 7/1/2021	(2021:4/2017:4)	1.057
7/1/2018 to 7/1/2021	(2021:4/2018:4)	1.041
AVERAGE ANNUAL TREND FACTOR		
7/1/2016 to 7/1/2021	(5.0 YRS)	1.013
7/1/2017 to 7/1/2021	(4.0 YRS)	1.014
7/1/2018 to 7/1/2021	(3.0 YRS)	1.013

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

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

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

Selected Annual Severity Trend + 3.0%

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

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

(See Section B - Explanation of Trend Calculation).

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

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

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

Average Annual Severity Trend (10 yr) + 4.4%

Average Annual Severity Trend (8 yr) + 4.8%

Average Annual Severity Trend (6 yr) + 5.1%

Selected Annual Severity Trend + 6.0%

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

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

(See Section B - Explanation of Trend Calculation).

PRODUCTS

FREQUENCY TREND MULTISTATE

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

Bodily Injury and Property Damage Combined

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

Selected Annual Frequency Trend: - 1.5%

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

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

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

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

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

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

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

K = The number of classes within the class group.

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

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

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

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

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

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

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

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

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

The off balance factor of 1.001 results from capping.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 03

NUMBER OF YEARS OF DATA USED: 5

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

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

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

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 03

NUMBER OF YEARS OF DATA USED: 5

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

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

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

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

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

N

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

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

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

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

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

TAU SQUARED: .03000 SIGMA SQUARED: 334909.49915

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 05

NUMBER OF YEARS OF DATA USED: 5

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

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

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

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

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

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

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

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

L - CAPPED DOWN
 U - CAPPED UP
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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)
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

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)
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

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

SECTION G
SUPPORTING MATERIAL -- LOCAL PRODUCTS/COMPLETED OPERATIONS
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MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
CALCULATION OF AGGREGATE LOSS COSTS
AT CURRENT LEVEL

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	EXPOSURE TREND#	AVERAGE IPMF*	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	12/31/2016	\$79,765,836	1.000	1.128		\$89,975,863
	12/31/2017	86,242,410	1.000	1.098		94,694,166
	12/31/2018	91,557,720	1.022	1.062		99,373,453
MULTILINE	12/31/2016	\$175,268,307	1.000	1.130	0.986	\$195,280,442
	12/31/2017	186,780,992	1.000	1.099	0.989	203,014,315
	12/31/2018	191,601,140	1.022	1.062	0.991	206,085,367
TOTAL	12/31/2016					\$285,256,305
	12/31/2017					297,708,481
	12/31/2018					305,458,820

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

Aggregate loss costs at current level have been trended from an average date of coverage to one year beyond an assumed effective date of 7/1/2020 by an exponential projection of the average annual exposure trend factor. The derivation of this exposure trend factor is shown in Section G - Average Annual Exposure Trends.

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

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	BASIC LIMIT DEVELOPMENT X FACTOR#	UNALLOCATED LOSS ADJ. X FACTOR	SEVERITY X TREND	FREQUENCY X TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$21,199,760	1.072	1.085	1.217	0.975		\$29,251,589
		12/31/2017	15,975,410	1.455	1.085	1.170	0.980		28,922,462
		12/31/2018	10,385,050	2.714	1.085	1.125	0.985		33,883,437
BI	ALAE	12/31/2016	\$18,549,665		1.085	1.217	0.975		\$23,881,467
		12/31/2017	22,665,168		1.085	1.170	0.980		28,196,852
		12/31/2018	26,257,253		1.085	1.125	0.985		31,569,506
PD	B/L INDEMNITY	12/31/2016	\$63,624,298	1.328	1.085	1.246	0.975		\$111,343,255
		12/31/2017	59,117,671	1.497	1.085	1.193	0.980		112,291,464
		12/31/2018	53,232,022	1.728	1.085	1.141	0.985		112,179,861
PD	ALAE	12/31/2016	\$70,077,018		1.085	1.246	0.975		\$92,369,376
		12/31/2017	69,156,913		1.085	1.193	0.980		87,726,713
		12/31/2018	75,580,762		1.085	1.141	0.985		92,164,332
TOTAL									
	FULL COVERAGE	12/31/2016							\$256,845,686
		12/31/2017							257,137,491
		12/31/2018							269,797,135

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BAISC LIMIT LOSSES AND ALAE*	X	BASIC LIMIT DEVELOPMENT FACTOR#	X	UNALLOCATED LOSS ADJ. FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2016	\$3,683,706		1.282		1.085		1.217		0.975		\$6,077,763
		12/31/2017	2,832,806		1.494		1.085		1.170		0.980		5,264,394
		12/31/2018	1,215,820		2.394		1.085		1.125		0.985		3,498,862
BI	ALAE	12/31/2016	\$4,548,501				1.085		1.217		0.975		\$5,855,894
		12/31/2017	4,757,503				1.085		1.170		0.980		5,918,624
		12/31/2018	3,499,316				1.085		1.125		0.985		4,207,282
PD	B/L INDEMNITY	12/31/2016	\$18,540,702		1.402		1.085		1.246		0.975		\$34,268,408
		12/31/2017	15,115,878		1.523		1.085		1.193		0.980		29,195,459
		12/31/2018	13,579,471		1.808		1.085		1.141		0.985		29,946,729
PD	ALAE	12/31/2016	\$26,360,846				1.085		1.246		0.975		\$34,746,554
		12/31/2017	20,154,871				1.085		1.193		0.980		25,566,794
		12/31/2018	20,271,246				1.085		1.141		0.985		24,719,066
	TOTAL DED COVERAGE	12/31/2016											\$80,948,619
		12/31/2017											65,945,272
		12/31/2018											62,371,939
	TOTAL OCCURRENCE	12/31/2016											\$337,794,306
		12/31/2017											323,082,763
		12/31/2018											332,169,074

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

MINNESOTA
Local Products/Completed Operations
Subline Code 336
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Not Applicable	--
32	Not Applicable	--
33	Not Applicable	--
34	Mercantile Policy	1.256
35	Not Applicable	--
36	Service Policy	1.179
37	Industrial/Processing Policy	1.210
38	Contractors Policy	0.952

(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.

MINNESOTA

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	1.016	0.8817	1.017	5,000,000
27 to 39 Months	1.000	1.000	0.7080	1.000	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		1.000	1.000		1.000
12/31/2018	1.017	1.000	1.000		1.017

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

MINNESOTA
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	6,463,517	6,888,135	6,883,445	6,883,200	6,883,679	6,883,679	6,883,709	6,883,709
12/31/2012	7,900,074	8,240,095	8,231,985	8,245,719	8,251,202	8,251,411	8,251,411	
12/31/2013	9,537,439	9,774,877	9,845,927	9,870,719	9,870,383	9,871,172		
12/31/2014	11,100,373	11,256,819	11,247,458	11,253,313	11,252,995			
12/31/2015	12,157,687	12,360,574	12,365,441	12,373,101				
12/31/2016	12,545,825	12,753,851	12,749,335					
12/31/2017	12,562,667	12,647,246						
12/31/2018	12,657,730							

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	1.066	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.043	0.999	1.002	1.001	1.000	1.000	
12/31/2013	1.025	1.007	1.003	1.000	1.000		
12/31/2014	1.014	0.999	1.001	1.000			
12/31/2015	1.017	1.000	1.001				
12/31/2016	1.017	1.000					
12/31/2017	1.007						
12/31/2018							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.016	1.000

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2011	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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LOCAL PRODUCTS

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MINNESOTA

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	1.143	0.4388	1.602	360,000
27 to 39 Months	1.486	2.115	0.3247	1.690	380,000
39 to 51 Months	1.091	0.719	0.4102	0.938	410,000
51 to 63 Months	1.009	0.841	0.2468	0.968	430,000
63 to 75 Months	1.002	0.803	0.2730	0.948	470,000
75 to 87 Months	0.983	1.000	0.1266	0.985	500,000
87 to 99 Months	0.990	1.000	0.2330	0.992	540,000
99 to 111 Months	0.997	1.000	0.1953	0.998	570,000
111 to 123 Months	0.992	1.000	0.3055	0.994	610,000
123 to 135 Months	1.001	1.000	0.2875	1.001	660,000
135 to 147 Months	1.002	1.000	0.2760	1.001	710,000
147 to 159 Months	1.001	1.000	0.2085	1.001	760,000
159 to 171 Months	1.001	1.000	0.1664	1.001	820,000
171 to 183 Months	1.002	1.000	0.3005	1.001	880,000
183 to 195 Months	1.000	1.000	0.3055	1.000	950,000
195 to 207 Months	1.000	1.000	0.3657	1.000	1,000,000
207 to 219 Months	1.000	1.000	0.3125	1.000	1,100,000
219 to 231 Months	1.000	1.000	0.2396	1.000	1,200,000
231 to 243 Months	1.000	1.000	0.1006	1.000	1,300,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			0.938	0.968	0.948	0.985	0.992	0.998	0.994	1.001	1.001
12/31/2017		1.690	0.938	0.968	0.948	0.985	0.992	0.998	0.994	1.001	1.001
12/31/2018	1.602	1.690	0.938	0.968	0.948	0.985	0.992	0.998	0.994	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		0.839
12/31/2017	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.417
12/31/2018	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000		2.270

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

MINNESOTA

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	7,594	3,132	0.318	996	8,590	1.012	8,692
12/31/2017	25,100	758,195	0.444	336,638	361,738	1.012	366,076
12/31/2018	2,663	211,784	0.505	106,951	109,614	1.012	110,928

(A) See Section G - Multistate Loss Development.

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

MINNESOTA

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	1.163	0.6944	1.170	1,100,000
27 to 39 Months	1.095	0.980	0.7679	1.007	1,200,000
39 to 51 Months	1.046	1.017	0.7462	1.024	1,200,000
51 to 63 Months	1.037	1.049	0.7081	1.045	1,300,000
63 to 75 Months	1.032	1.006	0.6793	1.014	1,400,000
75 to 87 Months	1.028	0.926	0.7254	0.954	1,500,000
87 to 99 Months	1.028	1.014	0.7415	1.018	1,600,000
99 to 111 Months	1.042	0.988	0.7551	1.001	1,700,000
111 to 123 Months	1.016	1.024	0.7812	1.022	1,800,000
123 to 135 Months	1.027	0.991	0.7598	1.000	2,000,000
135 to 147 Months	1.012	0.998	0.7468	1.002	2,100,000
147 to 159 Months	1.009	0.998	0.6946	1.001	2,300,000
159 to 171 Months	1.005	0.999	0.6882	1.001	2,400,000
171 to 183 Months	1.004	1.000	0.7632	1.001	2,600,000
183 to 195 Months	1.002	1.000	0.7652	1.000	2,800,000
195 to 207 Months	1.002	1.000	0.7678	1.000	3,000,000
207 to 219 Months	1.002	1.000	0.6945	1.001	3,200,000
219 to 231 Months	1.002	1.000	0.5791	1.001	3,400,000
231 to 243 Months	1.002	1.000	0.3581	1.001	3,700,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2016			1.024	1.045	1.014	0.954	1.018	1.001	1.022	1.000	1.002
12/31/2017		1.007	1.024	1.045	1.014	0.954	1.018	1.001	1.022	1.000	1.002
12/31/2018	1.170	1.007	1.024	1.045	1.014	0.954	1.018	1.001	1.022	1.000	1.002
	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	1.001	1.001	1.001	1.008		1.095
12/31/2017	1.001	1.001	1.001	1.000	1.000	1.001	1.001	1.001	1.008		1.103
12/31/2018	1.001	1.001	1.001	1.000	1.000	1.001	1.001	1.001	1.008		1.291

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

MINNESOTA

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	423,854	2,495,696	0.381	950,860	1,374,714	1.032	1,418,694
12/31/2017	159,823	1,421,742	0.456	648,313	808,136	1.032	833,987
12/31/2018	26,010	927,960	0.524	486,252	512,262	1.032	528,646

(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
MINNESOTA
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	15,873	91,463	143,333	142,990	136,332	136,332	156,990	156,990	152,390	152,390	145,390
12/31/2000	76,053	254,214	215,214	215,214	198,714	227,714	204,714	204,714	197,714	227,194	232,777
12/31/2001	172,693	169,693	180,329	160,554	180,592	146,909	121,909	121,909	121,909	121,909	121,909
12/31/2002	128,500	450,000	259,555	219,455	219,455	221,956	221,955	221,955	221,955	221,955	221,955
12/31/2003	1,000	24,730	103,992	79,445	96,445	72,695	72,695	72,695	71,445	71,445	71,445
12/31/2004	174,963	239,724	79,919	130,244	90,425	91,222	92,003	82,003	82,003	82,003	82,003
12/31/2005		43,968	45,968	85,200	107,000	7,001	7,631	17,631	7,631	7,631	7,631
12/31/2006	60,510	175,009	185,509	110,509	110,509	110,509	110,509	110,509	110,509	110,509	110,509
12/31/2007	57,468	55,320	130,669	77,081	82,703	80,013	147,513	152,513	152,513	152,513	152,513
12/31/2008	25,606	10,606	606	13,102	3,314	3,314	3,314	3,314	3,314	3,314	3,314
12/31/2009	23,003	1,000	119,811	112,500	112,500	112,500	112,500	112,500	112,500	112,500	
12/31/2010	51,000	41,000	71,010	71,000	20,000	20,000	44,059	22,500	22,500		
12/31/2011	35,000	10,000	32,500	49,821	50,989	7,500	7,500				
12/31/2012	57,000	20,000	57,500	10,000	110,000	45,000	45,000				
12/31/2013	8,597	11,497	115,533	40,533	15,533	15,533					
12/31/2014	52,149	43,918	112,028	90,368	100,868						
12/31/2015	84,000	62,605	57,605	57,605							
12/31/2016	61,000	76,165	23,332								
12/31/2017	136,500	255,099									
12/31/2018	96,100										

<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	145,390	145,390	145,390	145,390	145,390	145,390	145,390	145,390	145,390
12/31/2000	232,790	232,790	232,790	232,790	232,790	232,790	232,790	232,790	
12/31/2001	121,909	121,909	121,909	121,909	121,909	121,909	121,909		
12/31/2002	221,955	221,955	221,955	221,955	221,955	221,955			
12/31/2003	71,445	74,092	74,092	74,092	74,092				
12/31/2004	82,003	82,003	82,003	82,003					
12/31/2005	7,631	7,631	7,631						
12/31/2006	110,509	110,509							
12/31/2007	152,513								

COMPLETED OPERATIONS (Subline Code 336)
 FULL COVERAGE
 MINNESOTA
 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	5.762	1.567	0.998	0.953	1.000	1.152	1.000	0.971	1.000	0.954	1.000
12/31/2000	3.343	0.847	1.000	0.923	1.146	0.899	1.000	0.966	1.149	1.025	1.000
12/31/2001	0.983	1.063	0.890	1.125	0.813	0.830	1.000	1.000	1.000	1.000	1.000
12/31/2002	3.502	0.577	0.846	1.000	1.011	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	24.730	4.205	0.764	1.214	0.754	1.000	1.000	0.983	1.000	1.000	1.000
12/31/2004	1.370	0.333	1.630	0.694	1.009	1.009	0.891	1.000	1.000	1.000	1.000
12/31/2005		1.045	1.853	1.256	0.065	1.090	2.310	0.433	1.000	1.000	1.000
12/31/2006	2.892	1.060	0.596	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	0.963	2.362	0.590	1.073	0.967	1.844	1.034	1.000	1.000	1.000	1.000
12/31/2008	0.414	0.057	21.620	0.253	1.000	1.000	1.000	1.000	1.000	1.000	
12/31/2009	0.043	119.811	0.939	1.000	1.000	1.000	1.000	1.000	1.000		
12/31/2010	0.804	1.732	1.000	0.282	1.000	2.203	0.511	1.000			
12/31/2011	0.286	3.250	1.533	1.023	0.147	1.000	1.000				
12/31/2012	0.351	2.875	0.174	11.000	0.409	1.000					
12/31/2013	1.337	10.049	0.351	0.383	1.000						
12/31/2014	0.842	2.551	0.807	1.116							
12/31/2015	0.745	0.920	1.000								
12/31/2016	1.249	0.306									
12/31/2017	1.869										

3 Yr Mean	1.288	1.259	0.719	4.166	0.519	1.401	0.837	1.000	1.000	1.000	1.000
Best 3/5	1.143	2.115	0.719	0.841	0.803	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	1.000	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	1.037	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										

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

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.803	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015				0.841	0.803	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016			0.719	0.841	0.803	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017		2.115	0.719	0.841	0.803	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018	1.143	2.115	0.719	0.841	0.803	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.803
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.675
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.486
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.027
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.174

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

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

A.Y.E	Allocated Expenses as of:										
	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	2,003	20,665	59,227	126,573	270,989	229,265	230,165	213,785	214,285	214,285	213,762
12/31/2000	2,134	9,257	4,098	28,435	24,489	37,989	24,489	24,489	24,489	54,785	51,559
12/31/2001	1,797	9,366	24,175	40,962	59,145	89,220	70,129	70,129	70,129	70,129	60,812
12/31/2002	3,500	221,751	268,641	282,093	282,093	282,093	281,716	281,716	281,716	281,716	281,716
12/31/2003	106	7,217	25,178	37,648	52,702	39,444	39,444	39,444	38,131	38,131	38,131
12/31/2004	2,917	1,472	36,423	124,320	114,946	144,530	167,758	174,800	175,633	175,633	175,633
12/31/2005	0	6,670	27,224	115,347	145,206	65,207	65,207	73,290	73,290	73,290	73,290
12/31/2006	234	21,587	50,740	265,785	275,616	275,616	275,616	275,616	275,616	275,616	275,616
12/31/2007	6,436	11,190	38,062	54,298	54,508	54,508	58,373	70,977	70,977	70,977	70,977
12/31/2008	0	0	0	31,310	31,477	31,477	31,477	31,477	31,477	31,477	31,477
12/31/2009	1,657	5,557	13,027	13,027	13,027	13,027	13,027	13,027	13,027	13,027	
12/31/2010	27,500	35,915	29,535	65,986	68,377	68,376	74,318	96,010	96,010		
12/31/2011	0	8,001	12,290	57,114	68,124	68,483	68,483	68,483			
12/31/2012	1,974	5,178	42,682	47,352	97,839	193,144	152,366				
12/31/2013	13,536	19,115	103,942	77,194	57,014	57,014					
12/31/2014	0	14,800	64,801	134,107	99,434						
12/31/2015	0	20	20	20							
12/31/2016	1,130	8,927	7,594								
12/31/2017	25,100	25,100									
12/31/2018	2,663										

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	213,620	213,620	213,620	213,620	213,620	213,620	213,620	213,620	213,620
12/31/2000	52,277	52,277	52,277	52,277	52,277	52,277	52,277	52,277	
12/31/2001	60,812	60,812	60,812	60,812	60,812	60,812	60,812		
12/31/2002	281,716	281,716	281,716	281,716	281,716	281,716			
12/31/2003	38,131	45,978	45,978	45,978	45,978				
12/31/2004	175,633	175,633	175,633	175,633					
12/31/2005	73,290	73,290	73,290						
12/31/2006	275,616	275,616							
12/31/2007	70,977								

COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
MINNESOTA
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	721,781	804,272	799,460	889,411	1,097,430	1,397,188	1,518,682	1,763,457	1,978,597	2,143,650	2,110,570
12/31/2000	652,370	845,240	1,031,962	1,373,093	1,498,384	1,606,177	1,984,552	2,350,051	2,469,598	2,711,787	2,700,297
12/31/2001	911,606	1,161,320	1,606,621	1,886,274	2,093,882	2,216,561	2,400,021	2,488,000	2,624,772	2,721,335	2,761,468
12/31/2002	1,539,194	2,653,535	3,149,207	3,968,275	4,218,999	4,310,044	4,525,362	4,589,359	4,746,564	4,736,109	4,697,943
12/31/2003	960,335	1,192,856	1,306,617	1,225,873	1,403,385	1,600,824	1,498,468	1,598,357	1,726,681	1,836,843	1,816,844
12/31/2004	775,971	914,460	1,130,846	1,293,619	1,305,899	1,564,610	1,723,467	1,822,172	1,930,955	1,844,791	1,912,867
12/31/2005	411,515	539,297	707,708	735,884	897,572	1,116,755	1,368,743	1,477,157	1,656,052	1,712,481	1,697,381
12/31/2006	773,957	1,234,502	1,381,607	1,454,295	1,472,231	1,511,557	1,678,975	1,666,832	1,619,643	1,671,742	1,672,907
12/31/2007	1,032,026	1,415,258	1,628,568	1,498,773	1,748,914	2,256,283	2,641,506	2,788,337	2,880,078	2,878,602	2,822,160
12/31/2008	1,613,000	1,733,746	1,817,472	1,815,057	1,668,880	1,760,349	1,726,647	1,776,507	1,694,855	1,775,801	1,717,213
12/31/2009	1,691,817	1,655,595	2,028,573	2,251,690	2,052,959	1,998,263	1,833,539	1,904,679	1,851,405	1,860,305	
12/31/2010	1,159,500	1,357,657	1,580,676	1,790,532	1,779,677	1,718,638	1,634,749	1,561,349	1,593,357		
12/31/2011	1,115,044	951,162	1,121,599	1,049,578	1,172,389	1,247,548	1,120,192	1,089,393			
12/31/2012	1,070,819	856,509	868,379	945,528	1,013,348	995,411	903,928				
12/31/2013	1,111,763	888,204	823,557	721,568	779,966	855,072					
12/31/2014	1,402,315	1,612,183	1,450,466	1,486,267	1,265,959						
12/31/2015	984,332	1,257,229	1,254,199	1,507,411							
12/31/2016	674,180	1,101,058	1,261,069								
12/31/2017	841,130	892,697									
12/31/2018	785,413										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	2,062,489	2,056,075	2,064,114	2,089,114	2,064,114	2,064,114	2,064,114	2,064,114	2,064,114
12/31/2000	2,617,727	2,633,165	2,613,224	2,613,224	2,613,224	2,613,224	2,613,224	2,613,224	
12/31/2001	2,861,543	2,615,349	2,596,238	2,596,238	2,596,238	2,596,238	2,596,238		
12/31/2002	4,683,445	4,710,932	4,710,932	4,710,932	4,710,932	4,683,525			
12/31/2003	1,836,318	1,816,318	1,816,663	1,816,663	1,816,663				
12/31/2004	1,821,302	1,821,302	1,851,302	1,850,302					
12/31/2005	1,669,361	1,660,486	1,655,486						
12/31/2006	1,739,311	1,739,211							
12/31/2007	2,822,160								

COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
MINNESOTA
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	1.114	0.994	1.113	1.234	1.273	1.087	1.161	1.122	1.083	0.985	0.977
12/31/2000	1.296	1.221	1.331	1.091	1.072	1.236	1.184	1.051	1.098	0.996	0.969
12/31/2001	1.274	1.383	1.174	1.110	1.059	1.083	1.037	1.055	1.037	1.015	1.036
12/31/2002	1.724	1.187	1.260	1.063	1.022	1.050	1.014	1.034	0.998	0.992	0.997
12/31/2003	1.242	1.095	0.938	1.145	1.141	0.936	1.067	1.080	1.064	0.989	1.011
12/31/2004	1.178	1.237	1.144	1.009	1.198	1.102	1.057	1.060	0.955	1.037	0.952
12/31/2005	1.311	1.312	1.040	1.220	1.244	1.226	1.079	1.121	1.034	0.991	0.983
12/31/2006	1.595	1.119	1.053	1.012	1.027	1.111	0.993	0.972	1.032	1.001	1.040
12/31/2007	1.371	1.151	0.920	1.167	1.290	1.171	1.056	1.033	0.999	0.980	1.000
12/31/2008	1.075	1.048	0.999	0.919	1.055	0.981	1.029	0.954	1.048	0.967	
12/31/2009	0.979	1.225	1.110	0.912	0.973	0.918	1.039	0.972	1.005		
12/31/2010	1.171	1.164	1.133	0.994	0.966	0.951	0.955	1.021			
12/31/2011	0.853	1.179	0.936	1.117	1.064	0.898	0.973				
12/31/2012	0.800	1.014	1.089	1.072	0.982	0.908					
12/31/2013	0.799	0.927	0.876	1.081	1.096						
12/31/2014	1.150	0.900	1.025	0.852							
12/31/2015	1.277	0.998	1.202								
12/31/2016	1.633	1.145									
12/31/2017	1.061										

3 Yr Mean	1.324	1.014	1.034	1.002	1.047	0.919	0.989	0.982	1.017	0.983	1.008
Best 3/5	1.163	0.980	1.017	1.049	1.006	0.926	1.014	0.988	1.024	0.991	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.997	1.004	1.012	0.988	1.000	1.000	1.000	1.000			
12/31/2000	1.006	0.992	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2001	0.914	0.993	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2002	1.006	1.000	1.000	1.000	0.994	1.000 *	1.000 *	1.000 *			
12/31/2003	0.989	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2004	1.000	1.016	0.999								
12/31/2005	0.995	0.997									
12/31/2006	1.000										

3 Yr Mean	0.998	1.004	1.000	1.000	0.998 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.998	0.999	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

	Development From										
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.006	0.926	1.014	0.988	1.024	0.991	0.998
12/31/2015				1.049	1.006	0.926	1.014	0.988	1.024	0.991	0.998
12/31/2016			1.017	1.049	1.006	0.926	1.014	0.988	1.024	0.991	0.998
12/31/2017		0.980	1.017	1.049	1.006	0.926	1.014	0.988	1.024	0.991	0.998
12/31/2018	1.163	0.980	1.017	1.049	1.006	0.926	1.014	0.988	1.024	0.991	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	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.942
12/31/2015	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.989
12/31/2016	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.005
12/31/2017	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.985
12/31/2018	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.146

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

COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
MINNESOTA
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	34,627	91,468	159,763	251,551	302,110	381,466	566,547	673,133	902,316	1,104,439	1,194,233
12/31/2000	26,123	82,036	320,770	432,034	617,148	715,236	866,252	1,240,061	1,541,725	1,707,551	1,823,902
12/31/2001	68,830	148,828	358,034	600,882	793,049	952,737	1,068,980	1,265,841	1,383,877	1,419,426	1,497,846
12/31/2002	112,263	482,063	1,125,256	1,635,210	2,049,281	2,487,358	2,654,036	2,786,203	2,968,192	3,123,849	3,227,590
12/31/2003	55,348	272,592	476,786	637,566	709,730	803,634	874,702	939,223	1,113,844	1,298,714	1,352,013
12/31/2004	127,183	217,796	488,626	736,586	896,141	1,447,604	1,751,341	1,936,719	2,079,749	2,162,934	2,233,258
12/31/2005	71,041	203,740	549,429	614,671	791,216	1,027,126	1,219,217	1,409,740	1,812,879	1,894,871	1,904,846
12/31/2006	67,098	237,380	724,618	990,529	1,190,272	1,291,619	1,491,749	1,653,411	1,675,744	1,678,146	1,785,286
12/31/2007	55,966	552,533	834,340	988,354	1,094,937	1,344,629	1,578,105	1,631,145	1,704,442	1,861,118	1,854,413
12/31/2008	146,980	506,766	1,055,350	1,978,032	2,117,907	2,147,725	2,184,603	2,209,492	2,236,258	2,274,190	2,319,335
12/31/2009	138,740	493,184	758,275	1,139,200	1,504,284	1,571,010	1,726,868	1,742,352	1,769,123	1,769,247	
12/31/2010	233,470	583,840	940,229	1,342,015	1,540,098	1,638,966	1,687,652	1,671,450	1,688,108		
12/31/2011	223,886	396,842	647,746	709,760	820,316	873,543	950,564	1,017,180			
12/31/2012	437,160	623,133	664,106	679,741	730,858	762,599	789,856				
12/31/2013	88,659	180,509	601,624	976,063	1,148,344	1,194,187					
12/31/2014	299,067	665,066	965,514	1,211,453	1,303,256						
12/31/2015	204,593	447,580	689,473	928,738							
12/31/2016	217,332	392,346	462,603								
12/31/2017	88,130	243,641									
12/31/2018	20,278										

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	1,190,250	1,171,130	1,175,314	1,175,314	1,175,314	1,175,314	1,175,314	1,175,314	1,175,314
12/31/2000	1,904,112	1,936,682	1,959,637	1,959,637	1,959,637	1,959,637	1,959,637	1,959,637	
12/31/2001	1,656,061	1,722,527	1,731,468	1,732,780	1,732,780	1,732,780	1,732,780		
12/31/2002	3,244,299	3,248,078	3,248,078	3,248,078	3,248,078	3,248,078			
12/31/2003	1,438,036	1,404,538	1,406,512	1,406,512	1,406,512				
12/31/2004	2,260,498	2,290,278	2,321,360	2,321,359					
12/31/2005	1,904,846	1,882,167	1,886,522						
12/31/2006	1,995,287	1,961,128							
12/31/2007	1,866,078								

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	4,956,833	6,997,254	9,702,054	11,503,345	11,550,057	11,806,217	11,486,813	11,275,709	11,277,262	11,301,812	11,324,606
12/31/2000	3,161,020	7,032,572	9,020,885	10,626,496	10,512,292	10,857,836	10,356,898	10,420,083	10,270,732	10,309,376	10,306,797
12/31/2001	3,122,564	6,716,472	8,908,525	9,878,483	10,467,130	10,520,411	10,353,113	10,107,990	10,003,388	9,901,935	9,923,305
12/31/2002	2,897,561	6,865,145	9,002,579	9,805,765	10,739,856	10,865,771	11,151,148	11,357,869	11,502,501	11,555,831	11,589,549
12/31/2003	3,612,890	6,617,194	9,969,513	10,646,523	10,531,387	10,340,245	10,114,947	10,077,141	10,060,673	10,097,074	10,148,084
12/31/2004	4,686,540	7,094,003	9,584,995	10,682,560	10,795,982	10,316,931	10,629,712	10,584,946	10,568,534	10,603,697	10,708,555
12/31/2005	4,166,570	7,107,994	9,954,107	11,194,209	10,993,689	11,195,470	11,511,084	11,421,373	11,338,779	11,435,715	11,391,261
12/31/2006	4,486,358	8,514,115	12,455,387	13,076,313	12,929,083	13,111,153	12,966,886	13,179,515	13,090,804	13,005,483	12,932,373
12/31/2007	4,289,508	8,282,118	11,145,959	12,269,098	12,290,037	12,327,570	12,034,326	12,184,965	12,381,873	12,167,398	12,147,985
12/31/2008	4,236,718	7,704,790	10,965,360	11,869,482	11,630,179	11,626,770	12,289,095	12,070,191	12,126,593	12,082,352	12,246,758
12/31/2009	4,868,191	7,733,590	10,813,605	11,349,866	11,444,053	11,835,965	11,440,685	11,428,102	11,314,699	11,155,367	
12/31/2010	4,787,074	9,758,644	12,146,043	13,409,582	14,363,567	14,411,482	13,965,812	13,822,151	13,714,384		
12/31/2011	4,592,218	7,281,911	10,926,404	12,942,917	12,904,776	11,881,715	11,971,646	11,755,069			
12/31/2012	3,366,624	7,210,935	13,070,709	12,851,616	13,154,080	13,084,601	12,729,945				
12/31/2013	4,432,335	9,778,399	11,756,233	13,418,362	13,483,211	13,579,893					
12/31/2014	5,447,688	8,149,646	12,314,193	13,091,886	12,678,787						
12/31/2015	4,437,364	8,197,069	12,273,824	13,104,598							
12/31/2016	3,002,552	8,418,869	12,205,818								
12/31/2017	5,253,013	9,593,527									
12/31/2018	6,008,084										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	11,281,838	11,243,570	11,229,697	11,229,396	11,229,397	11,229,396	11,229,396	11,229,395	11,229,395
12/31/2000	10,343,090	10,395,934	10,338,583	10,391,837	10,386,833	10,401,832	10,401,832	10,400,282	
12/31/2001	9,974,307	9,977,990	10,015,032	10,058,239	10,034,875	10,004,674	10,099,719		
12/31/2002	11,522,754	11,553,287	11,697,521	11,698,231	11,687,193	11,731,321			
12/31/2003	10,183,588	10,196,646	10,235,388	10,215,387	10,215,887				
12/31/2004	10,772,825	10,969,285	10,905,069	10,912,070					
12/31/2005	11,284,522	11,236,614	11,175,273						
12/31/2006	12,934,372	12,926,819							
12/31/2007	12,172,480								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.412	1.387	1.186	1.004	1.022	0.973	0.982	1.000	1.002	1.002	0.996
12/31/2000	2.225	1.283	1.178	0.989	1.033	0.954	1.006	0.986	1.004	1.000	1.004
12/31/2001	2.151	1.326	1.109	1.060	1.005	0.984	0.976	0.990	0.990	1.002	1.005
12/31/2002	2.369	1.311	1.089	1.095	1.012	1.026	1.019	1.013	1.005	1.003	0.994
12/31/2003	1.832	1.507	1.068	0.989	0.982	0.978	0.996	0.998	1.004	1.005	1.003
12/31/2004	1.514	1.351	1.115	1.011	0.956	1.030	0.996	0.998	1.003	1.010	1.006
12/31/2005	1.706	1.400	1.125	0.982	1.018	1.028	0.992	0.993	1.009	0.996	0.991
12/31/2006	1.898	1.463	1.050	0.989	1.014	0.989	1.016	0.993	0.993	0.996	1.000
12/31/2007	1.931	1.346	1.101	1.002	1.003	0.976	1.013	1.016	0.983	0.998	1.002
12/31/2008	1.819	1.423	1.082	0.980	1.000	1.057	0.982	1.005	0.996	1.014	
12/31/2009	1.589	1.398	1.050	1.008	1.034	0.967	0.999	0.990	0.986		
12/31/2010	2.039	1.245	1.104	1.071	1.003	0.969	0.990	0.992			
12/31/2011	1.586	1.500	1.185	0.997	0.921	1.008	0.982				
12/31/2012	2.142	1.813	0.983	1.024	0.995	0.973					
12/31/2013	2.206	1.202	1.141	1.005	1.007						
12/31/2014	1.496	1.511	1.063	0.968							
12/31/2015	1.847	1.497	1.068								
12/31/2016	2.804	1.450									
12/31/2017	1.826										

3 Yr Mean	2.159	1.486	1.091	0.999	0.974	0.983	0.990	0.996	0.988	1.002	0.998
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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
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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	0.997	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 @			
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Best 3/5	1.001	1.001	1.002	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
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A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					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 * 1.001 * 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

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

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 @

Best 3/5 1.009 1.005 1.004 1.002 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					1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2015				1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2016			1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2017		1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2018	1.185	1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.244
12/31/2015	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.290
12/31/2016	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.349
12/31/2017	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.477
12/31/2018	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.751

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	3,142,541	4,977,597	5,527,609	7,197,579	8,141,449	9,579,842	11,039,408	12,035,649	12,734,940	13,067,600	13,561,726
12/31/2000	3,400,770	5,146,115	7,094,639	9,275,829	11,482,702	14,262,234	16,346,990	18,132,176	18,953,322	21,225,933	22,978,551
12/31/2001	3,489,097	5,541,713	7,596,604	10,340,541	13,626,492	16,865,666	21,643,955	23,053,258	25,546,037	25,617,725	27,154,935
12/31/2002	3,869,547	5,269,389	7,634,451	9,448,387	11,115,022	13,703,839	15,356,116	17,226,965	19,460,727	19,390,207	19,372,934
12/31/2003	4,149,510	6,037,111	7,638,180	8,422,617	9,776,188	10,377,702	11,377,578	12,070,965	12,746,610	13,596,034	13,514,320
12/31/2004	5,713,030	7,273,617	9,072,102	9,621,873	10,360,231	11,365,247	12,050,208	13,233,590	13,816,700	14,195,450	14,420,607
12/31/2005	6,367,860	8,777,525	9,741,409	10,326,087	11,626,756	12,389,964	12,824,831	13,608,783	14,235,890	14,331,722	14,545,124
12/31/2006	7,279,926	8,817,707	9,982,104	10,720,177	10,771,667	11,702,567	12,317,963	13,039,835	13,456,151	14,670,374	15,511,896
12/31/2007	9,403,204	11,511,865	11,956,531	12,390,151	13,164,956	13,680,133	14,775,331	15,475,514	16,228,583	17,474,496	17,511,929
12/31/2008	8,712,888	11,525,141	13,850,601	14,313,077	15,269,695	16,210,357	17,369,962	17,860,780	18,589,934	18,718,045	19,223,791
12/31/2009	7,979,788	10,320,500	11,838,366	12,625,681	13,654,353	15,195,568	16,397,696	16,933,219	17,598,778	18,050,046	
12/31/2010	9,056,769	10,657,449	10,911,041	11,745,824	12,597,278	12,949,027	13,227,231	14,123,135	14,480,770		
12/31/2011	8,411,352	10,340,541	11,336,352	11,446,268	12,211,032	12,892,273	13,370,415	13,812,048			
12/31/2012	7,813,203	9,214,668	9,925,070	10,448,675	11,837,770	12,473,737	12,737,058				
12/31/2013	10,344,923	12,289,236	12,950,872	13,773,169	14,353,939	15,031,095					
12/31/2014	10,480,704	12,363,373	14,118,754	15,606,041	16,471,188						
12/31/2015	12,410,417	15,384,247	16,277,335	16,843,450							
12/31/2016	13,146,314	15,132,055	17,680,734								
12/31/2017	11,707,532	14,190,927									
12/31/2018	12,594,173										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	13,773,043	14,046,320	13,885,369	13,817,430	13,835,222	13,783,045	13,783,045	13,783,404	13,795,325
12/31/2000	23,550,809	23,750,305	23,668,239	23,641,027	23,416,548	23,246,003	23,296,276	23,291,802	
12/31/2001	27,315,593	27,393,881	27,015,323	26,923,448	26,761,541	26,807,288	26,739,738		
12/31/2002	19,691,678	19,493,471	19,197,635	18,967,507	19,046,399	19,042,195			
12/31/2003	13,360,804	13,561,372	13,214,880	13,166,186	13,111,180				
12/31/2004	14,456,912	14,600,056	14,634,325	14,713,020					
12/31/2005	15,129,417	15,334,155	15,512,099						
12/31/2006	15,568,205	15,844,351							
12/31/2007	17,949,138								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.584	1.110	1.302	1.131	1.177	1.152	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.513	1.379	1.307	1.238	1.242	1.146	1.109	1.045	1.120	1.083	1.025
12/31/2001	1.588	1.371	1.361	1.318	1.238	1.283	1.065	1.108	1.003	1.060	1.006
12/31/2002	1.362	1.449	1.238	1.176	1.233	1.121	1.122	1.130	0.996	0.999	1.016
12/31/2003	1.455	1.265	1.103	1.161	1.062	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.273	1.247	1.061	1.077	1.097	1.060	1.098	1.044	1.027	1.016	1.003
12/31/2005	1.378	1.110	1.060	1.126	1.066	1.035	1.061	1.046	1.007	1.015	1.040
12/31/2006	1.211	1.132	1.074	1.005	1.086	1.053	1.059	1.032	1.090	1.057	1.004
12/31/2007	1.224	1.039	1.036	1.063	1.039	1.080	1.047	1.049	1.077	1.002	1.025
12/31/2008	1.323	1.202	1.033	1.067	1.062	1.072	1.028	1.041	1.007	1.027	
12/31/2009	1.293	1.147	1.067	1.081	1.113	1.079	1.033	1.039	1.026		
12/31/2010	1.177	1.024	1.077	1.072	1.028	1.021	1.068	1.025			
12/31/2011	1.229	1.096	1.010	1.067	1.056	1.037	1.033				
12/31/2012	1.179	1.077	1.053	1.133	1.054	1.021					
12/31/2013	1.188	1.054	1.063	1.042	1.047						
12/31/2014	1.180	1.142	1.105	1.055							
12/31/2015	1.240	1.058	1.035								
12/31/2016	1.151	1.168									
12/31/2017	1.212										

3 Yr Mean 1.201 1.123 1.068 1.077 1.052 1.026 1.045 1.035 1.037 1.029 1.023

Best 3/5 1.193 1.092 1.050 1.065 1.052 1.043 1.038 1.037 1.037 1.019 1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000	1.001			
12/31/2000	1.008	0.997	0.999	0.991	0.993	1.002	1.000	1.000 *			
12/31/2001	1.003	0.986	0.997	0.994	1.002	0.997	1.000 *	1.000 *			
12/31/2002	0.990	0.985	0.988	1.004	1.000	0.999 *	1.000 *	1.000 *			
12/31/2003	1.015	0.974	0.996	0.996	0.997 *	0.999 *	1.000 *	1.000 *			
12/31/2004	1.010	1.002	1.005								
12/31/2005	1.014	1.012									
12/31/2006	1.018										

3 Yr Mean 1.014 0.996 0.996 0.998 0.998 @ 1.000 @ 1.000 @ 1.001 @

Best 3/5 1.013 0.991 0.997 0.997 0.998 * 0.999 * 1.000 * 1.000 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2015				1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2016			1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2017		1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2018	1.193	1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.255
12/31/2015	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.337
12/31/2016	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.404
12/31/2017	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.533
12/31/2018	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.829

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

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

Allocated Expenses as of:											
A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	1,668,153	3,336,316	6,423,228	11,359,815	14,943,484	18,872,478	22,475,790	25,613,716	28,564,868	30,260,585	30,908,184
12/31/2000	1,766,693	4,118,532	7,955,148	12,936,180	16,843,886	21,472,254	27,802,647	31,797,032	33,570,681	36,189,547	38,084,926
12/31/2001	3,226,880	6,490,590	12,441,692	18,154,439	23,560,982	29,302,373	35,452,222	39,569,142	42,814,608	44,842,276	45,917,075
12/31/2002	2,581,677	6,833,339	13,159,921	18,902,345	23,353,458	26,527,709	29,133,819	31,455,087	34,681,377	36,361,483	37,623,838
12/31/2003	3,980,548	6,843,257	12,896,746	17,537,418	21,971,378	26,148,320	28,055,619	30,760,075	32,857,264	34,779,255	36,359,446
12/31/2004	2,907,478	6,312,396	12,432,312	18,820,466	23,132,519	27,486,354	32,181,841	36,251,739	41,917,825	45,922,525	50,549,761
12/31/2005	2,078,294	6,544,724	12,017,280	18,070,477	23,101,679	29,091,715	32,902,584	36,663,507	41,170,343	44,789,283	47,493,933
12/31/2006	4,056,419	8,910,100	16,372,653	23,646,982	30,533,489	36,573,120	42,719,189	46,378,212	53,034,326	55,954,270	58,905,773
12/31/2007	4,482,298	9,178,174	17,272,566	23,812,316	30,002,254	36,368,263	40,982,320	45,906,718	50,057,115	54,549,809	56,940,320
12/31/2008	5,357,486	12,833,987	21,319,711	31,631,934	40,623,873	46,521,177	50,243,526	53,349,509	57,231,987	59,030,697	61,184,078
12/31/2009	7,511,748	15,425,832	26,729,294	38,180,516	46,834,262	52,887,028	57,319,303	62,568,183	64,898,716	67,818,596	
12/31/2010	6,215,465	14,390,125	25,396,884	36,902,451	43,783,473	49,068,325	52,949,562	54,961,417	57,853,487		
12/31/2011	7,189,460	14,183,919	21,615,590	28,000,327	32,813,918	37,942,294	42,388,604	44,604,807			
12/31/2012	5,535,629	11,817,006	19,276,840	26,806,682	34,990,010	39,116,020	40,961,492				
12/31/2013	4,584,476	11,549,212	17,755,808	26,350,128	32,244,133	35,001,536					
12/31/2014	4,485,014	10,676,701	17,653,654	23,910,588	28,157,111						
12/31/2015	5,242,900	11,061,224	17,938,069	24,272,558							
12/31/2016	5,490,531	12,613,714	21,269,132								
12/31/2017	4,454,932	10,203,609									
12/31/2018	4,383,119										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	32,142,125	33,272,857	33,596,207	33,888,911	34,348,528	34,434,686	34,454,939	34,498,730	34,499,997
12/31/2000	40,170,887	40,271,257	40,171,695	40,453,710	40,838,032	40,920,177	40,795,783	40,806,871	
12/31/2001	46,713,802	47,012,447	47,250,589	47,692,448	48,239,176	48,396,668	48,698,540		
12/31/2002	39,337,746	40,960,608	41,148,157	42,080,692	42,821,429	43,204,983			
12/31/2003	38,081,011	38,665,391	39,588,629	40,338,114	40,531,628				
12/31/2004	55,167,421	57,139,531	58,119,898	58,462,098					
12/31/2005	48,022,351	49,245,719	49,762,119						
12/31/2006	60,346,320	61,700,418							
12/31/2007	58,641,395								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1999	1.009	1.014	1.003	1.001	1.001	1.000	1.000	*	
12/31/2000	1.007	1.010	1.002	0.997	1.000	1.000	1.000	*	
12/31/2001	1.009	1.011	1.003	1.006	1.001	1.000	1.000	*	
12/31/2002	1.023	1.018	1.009	1.002	*	1.001	1.000	*	
12/31/2003	1.019	1.005	1.011	*	1.002	*	1.001	*	
12/31/2004	1.006								
Best 3/5	1.012	1.012	1.005	*	1.002	*	1.001	*	1.000

171 to Ultimate Factor: 1.032

* Calculated Using Modified Bondy Method

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

Increments													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	1,668,163	3,086,912	4,936,587	3,583,669	3,928,994	3,603,312	3,137,926	2,951,152	1,695,717	647,599	1,233,941	1,130,732	323,350
12/31/2000	2,351,839	3,836,616	4,981,032	3,907,706	4,628,368	6,330,393	3,994,385	1,773,649	2,618,866	1,895,379	2,085,961	100,370	-99,562
12/31/2001	3,263,710	5,951,102	5,712,747	5,406,543	5,741,391	6,149,849	4,116,920	3,245,466	2,027,668	1,074,799	796,727	298,645	238,142
12/31/2002	4,251,662	6,326,582	5,742,424	4,451,113	3,174,251	2,606,110	2,321,268	3,226,290	1,680,106	1,262,355	1,713,908	1,622,862	187,549
12/31/2003	2,862,709	6,053,489	4,640,672	4,433,960	4,176,942	1,907,299	2,704,456	2,097,189	1,921,991	1,580,191	1,721,565	584,380	923,238
12/31/2004	3,404,918	6,119,916	6,388,154	4,312,053	4,353,835	4,695,487	4,069,898	5,666,086	4,004,700	4,627,236	4,617,660	1,972,110	980,367
12/31/2005	4,466,430	5,472,556	6,053,197	5,031,202	5,990,036	3,810,869	3,760,923	4,506,836	3,618,940	2,704,650	528,418	1,223,368	516,400
12/31/2006	4,853,681	7,462,553	7,274,329	6,886,507	6,039,631	6,146,069	3,659,023	6,656,114	2,919,944	2,951,503	1,440,547	1,354,098	
12/31/2007	4,695,876	8,094,392	6,539,750	6,189,938	6,366,009	4,614,057	4,924,398	4,150,397	4,492,694	2,390,511	1,701,075		
12/31/2008	7,476,501	8,485,724	10,312,223	8,991,939	5,897,304	3,722,349	3,105,983	3,882,478	1,798,710	2,153,381			
12/31/2009	7,914,084	11,303,462	11,451,222	8,653,746	6,052,766	4,432,275	5,248,880	2,330,533	2,919,880				
12/31/2010	8,174,660	11,006,759	11,505,567	6,881,022	5,284,852	3,881,237	2,011,855	2,892,070					
12/31/2011	6,994,459	7,431,671	6,384,737	4,813,591	5,128,376	4,446,310	2,216,203						
12/31/2012	6,281,377	7,459,834	7,529,842	8,183,328	4,126,010	1,845,472							
12/31/2013	6,964,736	6,206,596	8,594,320	5,894,005	2,757,403								
12/31/2014	6,191,687	6,976,953	6,256,934	4,246,523									
12/31/2015	5,818,324	6,876,845	6,334,489										
12/31/2016	7,123,183	8,655,418											
12/31/2017	5,748,677												

Incremental Percentages													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0287	0.0531	0.0849	0.0616	0.0676	0.0620	0.0540	0.0508	0.0292	0.0111	0.0212	0.0194	0.0056
12/31/2000	0.0319	0.0521	0.0676	0.0530	0.0628	0.0859	0.0542	0.0241	0.0355	0.0257	0.0283	0.0014	-0.0014
12/31/2001	0.0451	0.0822	0.0789	0.0747	0.0793	0.0850	0.0569	0.0448	0.0280	0.0148	0.0110	0.0041	0.0033
12/31/2002	0.0594	0.0884	0.0803	0.0622	0.0444	0.0364	0.0324	0.0451	0.0235	0.0176	0.0240	0.0227	0.0026
12/31/2003	0.0436	0.0922	0.0706	0.0675	0.0636	0.0290	0.0412	0.0319	0.0293	0.0241	0.0262	0.0089	0.0141
12/31/2004	0.0422	0.0758	0.0791	0.0534	0.0539	0.0581	0.0504	0.0701	0.0496	0.0573	0.0572	0.0244	0.0121
12/31/2005	0.0609	0.0746	0.0826	0.0686	0.0817	0.0520	0.0513	0.0615	0.0494	0.0369	0.0072	0.0167	0.0070
12/31/2006	0.0500	0.0768	0.0749	0.0709	0.0622	0.0633	0.0377	0.0685	0.0301	0.0304	0.0148	0.0139	
12/31/2007	0.0460	0.0793	0.0640	0.0606	0.0623	0.0452	0.0482	0.0406	0.0440	0.0234	0.0167		
12/31/2008	0.0644	0.0731	0.0888	0.0774	0.0508	0.0321	0.0267	0.0334	0.0155	0.0185			
12/31/2009	0.0660	0.0942	0.0955	0.0721	0.0505	0.0370	0.0438	0.0194	0.0243				
12/31/2010	0.0722	0.0972	0.1016	0.0608	0.0467	0.0343	0.0178	0.0255					
12/31/2011	0.0677	0.0719	0.0618	0.0466	0.0496	0.0430	0.0214						
12/31/2012	0.0651	0.0773	0.0780	0.0848	0.0428	0.0191							
12/31/2013	0.0763	0.0680	0.0941	0.0646	0.0302								
12/31/2014	0.0707	0.0797	0.0715	0.0485									
12/31/2015	0.0575	0.0679	0.0626										
12/31/2016	0.0739	0.0898											
12/31/2017	0.0612												

Best 3/5	0.0686	0.0750	0.0707	0.0579	0.0463	0.0344	0.0306	0.0332	0.0328	0.0302	0.0192	0.0178	0.0075
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LOCAL PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	5,640,125	7,221,932	8,055,559	8,625,494	8,777,928	8,432,303	8,308,730	8,429,844	8,381,635	8,399,607	8,444,616
12/31/2000	6,241,893	7,846,057	8,878,581	10,028,395	9,114,290	9,074,853	9,040,929	9,098,117	9,015,129	9,029,862	9,013,288
12/31/2001	6,156,159	7,697,139	9,047,316	9,348,983	9,229,080	9,477,420	9,527,338	9,414,451	9,459,412	9,426,291	9,474,711
12/31/2002	6,742,206	7,904,813	9,350,937	10,575,598	10,464,773	10,397,019	10,389,624	10,423,004	10,423,204	10,419,382	10,525,383
12/31/2003	4,685,836	6,556,178	8,907,379	9,498,317	9,914,560	9,824,811	9,608,111	9,501,928	9,510,106	9,595,145	9,476,207
12/31/2004	5,613,023	6,798,347	8,144,858	8,903,857	8,633,061	8,292,971	8,366,133	8,209,619	8,248,611	8,270,040	8,241,575
12/31/2005	6,094,066	6,419,364	7,839,512	7,961,490	7,857,496	7,799,132	7,787,265	7,825,588	7,718,468	7,697,337	7,697,188
12/31/2006	5,468,803	6,585,107	8,165,220	8,060,168	7,846,753	7,673,354	7,486,282	7,495,698	7,557,198	7,557,198	7,557,198
12/31/2007	5,201,096	6,085,661	7,372,132	7,290,050	7,403,475	7,343,964	7,191,507	6,969,119	6,859,510	6,874,507	6,874,507
12/31/2008	5,734,718	7,045,916	7,954,815	7,621,748	7,378,809	7,502,155	7,520,572	7,401,821	7,401,821	7,450,821	7,450,821
12/31/2009	6,515,923	7,293,853	8,861,484	8,980,255	8,885,741	8,877,591	8,805,994	8,829,750	8,833,309	8,833,309	
12/31/2010	7,165,961	8,624,516	10,319,979	10,403,977	10,700,973	10,530,937	10,486,321	10,484,377	10,484,377		
12/31/2011	6,869,010	7,909,904	8,771,702	9,287,381	9,167,732	9,019,138	8,957,329	8,844,656			
12/31/2012	4,808,486	6,082,740	7,123,457	7,430,014	7,478,687	7,439,147	7,378,280				
12/31/2013	5,276,794	6,270,021	7,096,192	7,057,264	6,940,634	6,947,707					
12/31/2014	4,988,998	5,952,292	6,355,184	6,521,458	6,518,864						
12/31/2015	5,224,079	5,537,235	6,263,232	6,755,984							
12/31/2016	3,868,575	5,202,920	6,940,214								
12/31/2017	4,055,265	5,550,470									
12/31/2018	3,982,612										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	8,424,070	8,407,121	8,506,121	8,510,922	8,515,922	8,530,922	8,530,922	8,512,724	8,512,724
12/31/2000	9,109,788	9,035,332	9,071,627	9,108,127	9,097,875	9,078,125	9,203,125	9,173,125	
12/31/2001	9,480,470	9,479,470	9,521,370	9,478,470	9,458,835	9,434,595	9,541,595		
12/31/2002	10,498,445	10,511,444	10,518,974	10,638,973	10,538,974	10,543,975			
12/31/2003	9,465,207	9,455,208	9,455,207	9,465,207	9,458,012				
12/31/2004	8,244,074	8,242,431	8,242,431	8,242,431					
12/31/2005	7,704,612	7,696,145	7,698,145						
12/31/2006	7,557,198	7,557,198							
12/31/2007	6,874,507								

LOCAL PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.280	1.115	1.071	1.018	0.961	0.985	1.015	0.994	1.002	1.005	0.998
12/31/2000	1.257	1.132	1.130	0.909	0.996	0.996	1.006	0.991	1.002	0.998	1.011
12/31/2001	1.250	1.175	1.033	0.987	1.027	1.005	0.988	1.005	0.996	1.005	1.001
12/31/2002	1.172	1.183	1.131	0.990	0.994	0.999	1.003	1.000	1.000	1.010	0.997
12/31/2003	1.399	1.359	1.066	1.044	0.991	0.978	0.989	1.001	1.009	0.988	0.999
12/31/2004	1.211	1.198	1.093	0.970	0.961	1.009	0.981	1.005	1.003	0.997	1.000
12/31/2005	1.053	1.221	1.016	0.987	0.993	0.998	1.005	0.986	0.997	1.000	1.001
12/31/2006	1.204	1.240	0.987	0.974	0.978	0.976	1.001	1.008	1.000	1.000	1.000
12/31/2007	1.170	1.211	0.989	1.016	0.992	0.979	0.969	0.984	1.002	1.000	1.000
12/31/2008	1.229	1.129	0.958	0.968	1.017	1.002	0.984	1.000	1.007	1.000	
12/31/2009	1.119	1.215	1.013	0.989	0.999	0.992	1.003	1.000	1.000		
12/31/2010	1.204	1.197	1.008	1.029	0.984	0.996	1.000	1.000			
12/31/2011	1.152	1.109	1.059	0.987	0.984	0.993	0.987				
12/31/2012	1.265	1.171	1.043	1.007	0.995	0.992					
12/31/2013	1.188	1.132	0.995	0.983	1.001						
12/31/2014	1.193	1.068	1.026	1.000							
12/31/2015	1.060	1.131	1.079								
12/31/2016	1.345	1.334									
12/31/2017	1.369										
3 Yr Mean	1.258	1.178	1.033	0.997	0.993	0.994	0.997	1.000	1.003	1.000	1.000
Best 3/5	1.242	1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	0.998	1.012	1.001	1.001	1.002	1.000	0.998	1.000			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.014	0.997	1.000 *			
12/31/2001	1.000	1.004	0.995	0.998	0.997	1.011	1.003 *	1.000 *			
12/31/2002	1.001	1.001	1.011	0.991	1.000	0.999 *	1.003 *	1.000 *			
12/31/2003	0.999	1.000	1.001	0.999	0.999 *	0.999 *	1.003 *	1.000 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	0.999	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	1.004	0.996	0.998 @	1.008 @	0.998 @	1.000 @			
Best 3/5	1.000	1.000	1.002	0.999	0.999 *	1.003 *	1.001 *	1.000 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2015				0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2016			1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2017		1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2018	1.242	1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.982
12/31/2015	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.980
12/31/2016	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.022
12/31/2017	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.170
12/31/2018	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.454

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

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

\$100,000 Basic Limit Losses as of:											
A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	357,147	246,142	223,437	219,338	221,172	221,172	221,172	221,172	221,172	221,172	221,172
12/31/2000	313,656	527,947	556,053	475,991	500,991	490,335	486,335	487,335	487,335	486,335	521,335
12/31/2001	278,206	352,745	423,834	497,226	463,174	463,174	453,174	453,174	453,174	466,578	466,578
12/31/2002	396,353	425,131	379,361	487,852	474,098	435,359	435,358	435,358	435,358	435,358	435,358
12/31/2003	136,107	223,208	194,856	249,570	167,177	98,892	100,392	75,291	75,291	75,291	75,291
12/31/2004	426,879	386,565	768,260	1,012,432	611,871	613,151	590,752	590,751	590,751	590,751	590,751
12/31/2005	535,698	701,320	1,015,466	911,971	807,001	889,418	889,417	889,467	889,467	890,096	890,096
12/31/2006	402,493	741,418	759,635	666,429	694,212	693,655	693,655	693,655	693,655	693,655	693,655
12/31/2007	355,039	497,801	855,370	821,579	771,410	761,510	761,510	767,510	767,510	767,510	761,510
12/31/2008	525,801	362,912	467,874	427,853	351,603	368,464	367,964	367,964	367,964	367,964	367,964
12/31/2009	266,620	294,750	308,023	241,039	337,719	338,719	338,619	338,630	338,619	338,619	
12/31/2010	428,140	317,606	396,643	284,143	289,473	289,473	289,473	283,473	283,473		
12/31/2011	377,122	632,936	765,902	820,402	827,902	811,503	898,003	898,003			
12/31/2012	330,321	456,809	556,018	580,856	715,382	669,186	669,186				
12/31/2013	324,760	426,869	456,567	606,205	621,994	521,520					
12/31/2014	856,109	1,073,449	956,310	1,139,407	1,089,407						
12/31/2015	602,349	778,768	834,080	1,028,194							
12/31/2016	426,205	566,004	827,794								
12/31/2017	448,173	1,292,407									
12/31/2018	387,906										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	221,172	221,172	247,673	247,673	247,673	247,673	247,673	247,673	248,578
12/31/2000	504,435	504,936	571,270	560,254	566,376	565,418	561,417	542,080	
12/31/2001	466,578	463,774	505,428	505,428	480,116	475,915	559,769		
12/31/2002	435,358	435,358	435,358	427,858	427,858	427,858			
12/31/2003	75,291	75,291	75,291	75,291	81,916				
12/31/2004	590,754	590,751	590,751	590,751					
12/31/2005	890,096	890,096	890,096						
12/31/2006	693,655	693,685							
12/31/2007	761,510								

LOCAL PRODUCTS (Subline Code 336)

DEDUCTIBLE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	0.689	0.908	0.982	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.683	1.053	0.856	1.053	0.979	0.992	1.002	1.000	0.998	1.072	0.968
12/31/2001	1.268	1.202	1.173	0.932	1.000	0.978	1.000	1.000	1.030	1.000	1.000
12/31/2002	1.073	0.892	1.286	0.972	0.918	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.640	0.873	1.281	0.670	0.592	1.015	0.750	1.000	1.000	1.000	1.000
12/31/2004	0.906	1.987	1.318	0.604	1.002	0.963	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.309	1.448	0.898	0.885	1.102	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	1.842	1.025	0.877	1.042	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.402	1.718	0.960	0.939	0.987	1.000	1.008	1.000	1.000	0.992	1.000
12/31/2008	0.690	1.289	0.914	0.822	1.048	0.999	1.000	1.000	1.000	1.000	
12/31/2009	1.106	1.045	0.783	1.401	1.003	1.000	1.000	1.000	1.000		
12/31/2010	0.742	1.249	0.716	1.019	1.000	1.000	0.979	1.000			
12/31/2011	1.678	1.210	1.071	1.009	0.980	1.107	1.000				
12/31/2012	1.383	1.217	1.045	1.232	0.935	1.000					
12/31/2013	1.314	1.070	1.328	1.026	0.838						
12/31/2014	1.254	0.891	1.191	0.956							
12/31/2015	1.293	1.071	1.233								
12/31/2016	1.328	1.463									
12/31/2017	2.884										
3 Yr Mean	1.835	1.142	1.251	1.071	0.918	1.036	0.993	1.000	1.000	0.997	1.000
Best 3/5	1.312	1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1999	1.000	1.120	1.000	1.000	1.000	1.000	1.000	1.004			
12/31/2000	1.001	1.131	0.981	1.011	0.998	0.993	0.966	0.999 *			
12/31/2001	0.994	1.090	1.000	0.950	0.991	1.176	0.999 *	0.999 *			
12/31/2002	1.000	1.000	0.983	1.000	1.000	0.999 *	0.999 *	0.999 *			
12/31/2003	1.000	1.000	1.000	1.088	1.004 *	0.999 *	0.999 *	0.999 *			
12/31/2004	1.000	1.000	1.000								
12/31/2005	1.000	1.000									
12/31/2006	1.000										
3 Yr Mean	1.000	1.000	0.994	1.013	0.996 @	1.056 @	0.983 @	1.004 @			
Best 3/5	1.000	1.000	0.994	1.004	0.999 *	0.999 *	0.999 *	0.999 *			

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015				1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016			1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017		1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018	1.312	1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2014	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.962
12/31/2015	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.980
12/31/2016	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.141
12/31/2017	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.277
12/31/2018	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.676

* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

Allocated Expenses as of:

<u>A.Y.E</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1999	778,081	1,683,697	2,225,782	3,069,536	3,437,968	3,442,907	3,541,657	3,934,735	3,931,369	3,968,930	3,979,748
12/31/2000	1,045,243	1,520,295	2,429,255	3,731,523	4,469,662	4,828,234	4,977,128	4,920,617	4,961,264	4,979,456	5,005,127
12/31/2001	934,953	1,971,556	3,436,205	4,320,115	5,433,123	5,931,830	6,835,823	7,087,364	7,340,810	7,177,505	7,333,670
12/31/2002	1,614,509	2,423,104	3,765,270	4,502,974	5,508,908	5,847,872	5,968,163	6,118,858	6,181,039	6,184,554	6,282,700
12/31/2003	739,154	1,535,315	2,390,516	3,072,303	3,908,152	4,276,475	4,454,629	4,432,746	4,441,994	4,477,242	4,551,208
12/31/2004	683,625	1,429,228	2,426,622	3,084,970	3,618,994	3,825,965	3,968,670	4,110,763	4,108,705	4,107,920	4,108,665
12/31/2005	535,061	1,209,728	2,207,724	2,754,521	3,885,922	3,193,301	3,318,523	3,328,446	3,324,675	3,305,488	3,305,518
12/31/2006	652,567	1,564,105	2,661,008	3,729,388	4,330,201	4,747,517	4,855,758	4,812,874	4,846,184	4,841,505	4,841,505
12/31/2007	627,439	1,484,311	2,776,866	3,352,762	3,947,746	4,209,996	4,404,857	4,243,255	4,281,515	4,277,394	4,279,530
12/31/2008	563,620	1,274,355	2,586,309	3,123,872	3,357,018	3,471,156	3,542,133	3,572,329	3,586,603	3,590,643	3,590,643
12/31/2009	585,015	1,497,728	3,302,450	3,339,250	3,961,355	3,918,666	3,929,406	3,943,062	3,941,217	3,951,547	
12/31/2010	917,867	1,834,899	3,240,511	4,548,548	5,658,899	5,851,891	5,786,418	5,793,827	5,816,358		
12/31/2011	717,665	1,345,682	2,434,473	3,596,587	4,155,193	4,485,469	4,636,342	4,649,481			
12/31/2012	573,328	1,514,295	3,204,137	4,066,515	4,481,390	4,839,973	4,930,584				
12/31/2013	919,825	2,006,991	3,279,382	4,322,482	4,947,403	5,416,463					
12/31/2014	750,099	1,411,700	2,243,492	2,705,567	2,943,701						
12/31/2015	539,990	1,048,895	1,792,918	2,558,970							
12/31/2016	457,616	1,166,998	2,266,878								
12/31/2017	484,595	1,390,207									
12/31/2018	634,766										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1999	4,011,271	4,025,072	4,216,013	4,246,726	4,194,975	4,210,736	4,224,824	4,225,201	4,225,202
12/31/2000	5,404,432	5,169,291	5,239,408	5,292,147	5,354,338	5,377,591	5,420,969	5,465,151	
12/31/2001	7,438,804	7,607,614	7,717,841	7,860,860	8,044,771	8,181,952	8,241,025		
12/31/2002	6,335,393	6,399,152	6,404,975	6,670,033	6,441,505	6,454,006			
12/31/2003	4,531,498	4,531,498	4,529,391	4,579,391	4,571,628				
12/31/2004	4,105,865	4,128,532	4,125,411	4,125,739					
12/31/2005	3,305,518	3,335,965	3,359,026						
12/31/2006	4,841,505	4,841,645							
12/31/2007	4,278,597								

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

	Increments													
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>	
12/31/1999	905,616	542,085	843,754	368,432	4,939	98,750	393,078	-3,366	37,561	10,818	31,523	13,801	190,941	
12/31/2000	475,052	908,960	1,302,268	738,139	358,572	148,894	-56,511	40,647	18,192	25,671	399,305	-235,141	70,117	
12/31/2001	1,036,603	1,464,649	883,910	1,113,008	498,707	903,993	251,541	253,446	-163,305	156,165	105,134	168,810	110,227	
12/31/2002	808,595	1,342,166	737,704	1,005,934	338,964	120,291	150,695	62,181	3,515	98,146	52,693	63,759	5,823	
12/31/2003	796,161	855,201	681,787	835,849	368,323	178,154	-21,883	9,248	35,248	73,966	-19,710	0	-2,107	
12/31/2004	745,603	997,394	658,348	534,024	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	-3,121	
12/31/2005	674,667	997,996	546,797	1,131,401	-692,621	125,222	9,923	-3,771	-19,187	30	0	30,447	23,061	
12/31/2006	911,538	1,096,903	1,068,380	600,813	417,316	108,241	-42,884	33,310	-4,679	0	0	140		
12/31/2007	856,872	1,292,555	575,896	594,984	262,250	194,861	-161,602	38,260	-4,121	2,136	-933			
12/31/2008	710,735	1,311,954	537,563	233,146	114,138	70,977	30,196	14,274	4,040	0				
12/31/2009	912,713	1,804,722	36,800	622,105	-42,689	10,740	13,656	-1,845	10,330					
12/31/2010	917,032	1,405,612	1,308,037	1,110,351	192,992	-65,473	7,409	22,531						
12/31/2011	628,017	1,088,791	1,162,114	558,606	330,276	150,873	13,139							
12/31/2012	940,967	1,689,842	862,378	414,875	358,583	90,611								
12/31/2013	1,087,166	1,272,391	1,043,100	624,921	469,060									
12/31/2014	661,601	831,792	462,075	238,134										
12/31/2015	508,905	744,023	766,052											
12/31/2016	709,382	1,099,880												
12/31/2017	905,612													

	Incremental Percentages													
A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159	
12/31/1999	0.0742	0.0444	0.0692	0.0302	0.0004	0.0081	0.0322	-0.0003	0.0031	0.0009	0.0026	0.0011	0.0157	
12/31/2000	0.0357	0.0684	0.0980	0.0555	0.0270	0.0112	-0.0043	0.0031	0.0014	0.0019	0.0300	-0.0177	0.0053	
12/31/2001	0.0772	0.1090	0.0658	0.0829	0.0371	0.0673	0.0187	0.0189	-0.0122	0.0116	0.0078	0.0126	0.0082	
12/31/2002	0.0470	0.0781	0.0429	0.0585	0.0197	0.0070	0.0088	0.0036	0.0002	0.0057	0.0031	0.0037	0.0003	
12/31/2003	0.0513	0.0551	0.0439	0.0538	0.0237	0.0115	-0.0014	0.0006	0.0023	0.0048	-0.0013	0.0000	-0.0001	
12/31/2004	0.0640	0.0857	0.0566	0.0459	0.0178	0.0123	0.0122	-0.0002	-0.0001	0.0001	-0.0002	0.0019	-0.0003	
12/31/2005	0.0581	0.0859	0.0471	0.0974	-0.0596	0.0108	0.0009	-0.0003	-0.0017	0.0000	0.0000	0.0026	0.0020	
12/31/2006	0.0768	0.0925	0.0901	0.0506	0.0352	0.0091	-0.0036	0.0028	-0.0004	0.0000	0.0000	0.0000		
12/31/2007	0.0666	0.1005	0.0448	0.0463	0.0204	0.0151	-0.0126	0.0030	-0.0003	0.0002	-0.0001			
12/31/2008	0.0554	0.1023	0.0419	0.0182	0.0089	0.0055	0.0024	0.0011	0.0003	0.0000				
12/31/2009	0.0703	0.1390	0.0028	0.0479	-0.0033	0.0008	0.0011	-0.0001	0.0008					
12/31/2010	0.0607	0.0930	0.0866	0.0735	0.0128	-0.0043	0.0005	0.0015						
12/31/2011	0.0439	0.0761	0.0812	0.0390	0.0231	0.0105	0.0009							
12/31/2012	0.0791	0.1421	0.0725	0.0349	0.0302	0.0076								
12/31/2013	0.0976	0.1143	0.0937	0.0561	0.0421									
12/31/2014	0.0682	0.0858	0.0476	0.0246										
12/31/2015	0.0438	0.0640	0.0659											
12/31/2016	0.0525	0.0813												
12/31/2017	0.0620													

Best 3/5	0.0609	0.0938	0.0732	0.0433	0.0220	0.0047	0.0008	0.0018	-0.0001	0.0000	-0.0001	0.0015	0.0007
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LOCAL PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 BODILY INJURY - OCCURRENCE
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	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:

<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	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										

<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	1,537,925	1,607,394	1,767,931	1,890,569	1,907,615	1,908,341	1,908,403	1,908,403	1,908,403
12/31/2000	2,787,050	2,899,751	2,965,261	2,912,071	2,936,607	2,961,607	2,956,072	2,956,268	
12/31/2001	2,273,390	2,360,582	2,388,452	2,478,063	2,704,552	2,704,552	2,704,552		
12/31/2002	1,528,483	1,801,105	1,959,947	1,990,934	1,990,659	1,990,659			
12/31/2003	1,763,964	1,818,157	1,841,439	1,885,380	1,885,380				
12/31/2004	1,077,537	1,084,479	1,114,207	1,114,207					
12/31/2005	1,335,545	1,211,377	1,222,969						
12/31/2006	2,220,899	2,259,651							
12/31/2007	2,845,553								

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

	Increments												
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	161,105	266,151	163,518	62,982	84,223	132,636	68,211	111,014	73,358	120,289	118,476	69,469	160,537
12/31/2000	197,665	225,216	155,850	222,986	255,866	419,851	219,256	173,832	299,833	170,494	149,375	112,701	65,510
12/31/2001	92,729	210,561	226,205	144,181	235,542	444,380	330,783	-49,460	179,469	114,625	128,637	87,192	27,870
12/31/2002	155,116	179,950	272,461	60,739	95,740	78,556	24,791	4	197,339	190,323	91,891	272,622	158,842
12/31/2003	611,815	312,320	158,172	153,758	37,017	58,702	87,221	73,445	101,917	82,130	25,354	54,193	23,282
12/31/2004	154,379	164,358	197,171	123,645	169,539	20,102	21,414	31,422	8,181	25,003	-4,981	6,942	29,728
12/31/2005	86,115	298,669	192,073	52,753	88,530	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	11,592
12/31/2006	237,110	283,431	308,458	289,686	346,759	81,771	299,529	22,455	89,940	-1,516	99,489	38,752	
12/31/2007	499,335	359,490	717,914	333,604	401,504	-39,944	233,131	69,952	-20,603	-126,765	884		
12/31/2008	576,623	474,093	1,062,929	967,939	2,211,021	2,501,507	1,423,783	-14,712	-595,988	-497,969			
12/31/2009	489,114	134,736	31,978	157,857	71,131	310,817	181,993	24,727	11,477				
12/31/2010	210,616	319,584	358,396	106,224	163,206	205,883	151,193	25,814					
12/31/2011	336,011	376,815	380,904	309,003	20,101	27,610	120,141						
12/31/2012	270,777	357,603	140,211	197,492	184,480	111,370							
12/31/2013	143,225	254,590	218,040	223,149	192,842								
12/31/2014	221,349	218,255	187,179	195,289									
12/31/2015	433,462	363,277	276,112										
12/31/2016	307,115	327,837											
12/31/2017	263,442												

	Incremental Percentages												
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1999	0.0569	0.0939	0.0577	0.0222	0.0297	0.0468	0.0241	0.0392	0.0259	0.0425	0.0418	0.0245	0.0567
12/31/2000	0.0470	0.0535	0.0370	0.0530	0.0608	0.0998	0.0521	0.0413	0.0713	0.0405	0.0355	0.0268	0.0156
12/31/2001	0.0296	0.0672	0.0722	0.0460	0.0751	0.1417	0.1055	-0.0158	0.0572	0.0366	0.0410	0.0278	0.0089
12/31/2002	0.0727	0.0844	0.1278	0.0285	0.0449	0.0368	0.0116	0.0000	0.0925	0.0892	0.0431	0.1278	0.0745
12/31/2003	0.2233	0.1140	0.0577	0.0561	0.0135	0.0214	0.0318	0.0268	0.0372	0.0300	0.0093	0.0198	0.0085
12/31/2004	0.0542	0.0577	0.0692	0.0434	0.0595	0.0071	0.0075	0.0110	0.0029	0.0088	-0.0017	0.0024	0.0104
12/31/2005	0.0220	0.0762	0.0490	0.0135	0.0226	0.0166	0.0316	-0.0014	-0.0002	0.0011	0.0452	-0.0317	0.0030
12/31/2006	0.0496	0.0593	0.0646	0.0606	0.0726	0.0171	0.0627	0.0047	0.0188	-0.0003	0.0208	0.0081	
12/31/2007	0.1070	0.0770	0.1539	0.0715	0.0861	-0.0086	0.0500	0.0150	-0.0044	-0.0272	0.0002		
12/31/2008	0.0943	0.0775	0.1738	0.1583	0.3616	0.4091	0.2328	-0.0024	-0.0975	-0.0814			
12/31/2009	0.1092	0.0301	0.0071	0.0353	0.0159	0.0694	0.0406	0.0055	0.0026				
12/31/2010	0.0418	0.0634	0.0711	0.0211	0.0324	0.0409	0.0300	0.0051					
12/31/2011	0.0582	0.0652	0.0660	0.0535	0.0035	0.0048	0.0208						
12/31/2012	0.0602	0.0795	0.0312	0.0439	0.0410	0.0248							
12/31/2013	0.0325	0.0577	0.0494	0.0506	0.0437								
12/31/2014	0.0447	0.0441	0.0378	0.0394									
12/31/2015	0.0606	0.0508	0.0386										
12/31/2016	0.0556	0.0593											
12/31/2017	0.0425												

Best 3/5	0.0476	0.0559	0.0419	0.0447	0.0298	0.0450	0.0402	0.0051	-0.0007	-0.0088	0.0101	0.0101	0.0093
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LOCAL PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE
 PROPERTY DAMAGE - OCCURRENCE
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

<u>A.Y.E.</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	Link Ratios <u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1999	1.069	1.009	1.000	1.000	1.000	1.000	1.000 *
12/31/2000	0.982	1.008	1.009	0.998	1.000	1.000 *	1.000 *
12/31/2001	1.038	1.091	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2002	1.016	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.024	1.000	1.003 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000						
Best 3/5	1.013	1.006	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.020

	Cumulative Incremental Factors						
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.330	0.283	0.227	0.185	0.140	0.110	0.065
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.025	0.020	0.021	0.029	0.019	0.009	0.000

<u>A.Y.E</u>	Reported ALAE <u>as of 3/31/19</u>	\$500,000 <u>Ultimate Indemnity</u>	ALAE <u>Factor</u>	Additional <u>ALAE</u>	ALAE at <u>171 Months</u>	171-Ultimate <u>Factor</u>	Ultimate <u>ALAE</u>
12/31/2016	1,038,405	6,508,581	0.227	1,477,453	2,515,858	1.020	2,566,027
12/31/2017	751,342	6,878,888	0.283	1,946,730	2,698,072	1.020	2,751,903
12/31/2018	468,262	6,885,795	0.330	2,272,314	2,740,576	1.020	2,795,243

* Calculated Using Modified Bondy Method

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

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

Notes: All dollar amounts are displayed in thousands.

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

LOCAL PRODUCTS / COMPLETED OPERATIONS TREND SUMMARY

(1) <u>EXPOSURE TREND</u>	<u>LOCAL PRODUCTS</u>	<u>COMPLETED OPERATIONS</u>	<u>LOCAL PRODUCTS / COMPLETED OPERATIONS COMBINED</u>
Average Annual Percent Change			
a) 7/1/2016 to 7/1/2021 AYE 12/31/2016	+ 1.3%	+ 2.7%	+ 2.6%
b) 7/1/2017 to 7/1/2021 AYE 12/31/2017	+ 1.4%	+ 2.6%	+ 2.5%
c) 7/1/2018 to 7/1/2021 AYE 12/31/2018	+ 1.3%	+ 2.2%	+ 2.1%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 5.7%	+ 3.5%	
Eight Years	+ 6.7%	+ 5.4%	
Six Years	+ 9.2%	+ 4.3%	
b) Selected	+ 4.0%	+ 4.5%	
(3) <u>FREQUENCY TREND</u>			
Selected	- 0.5%		

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

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

(1) YEAR ENDING QUARTER*			(2) LOCAL PRODUCTS CLASS GROUP SALES EXPOSURE INDICES			(3) COMPLETED OPERATIONS CLASS GROUP PAYROLL EXPOSURE INDICES			(1) YEAR ENDING QUARTER*			(2) LOCAL PRODUCTS CLASS GROUP SALES EXPOSURE INDICES			(3) COMPLETED OPERATIONS CLASS GROUP PAYROLL EXPOSURE INDICES		
2008	1		0.962			21.143			2015	1		1.024			24.773		
	2		0.958			21.357				2		1.026			24.921		
	3		0.956			21.604				3		1.028			25.023		
	4		0.957			21.880				4		1.030			25.178		
2009	1		0.961			22.128			2016	1		1.030			25.318		
	2		0.966			22.349				2		1.031			25.487		
	3		0.969			22.502				3		1.030			25.730		
	4		0.968			22.653				4		1.030			25.941		
2010	1		0.964			22.806			2017	1		1.033			26.147		
	2		0.962			22.928				2		1.034			26.313		
	3		0.962			23.080				3		1.037			26.511		
	4		0.965			23.208				4		1.040			26.704		
2011	1		0.968			23.312			2018	1		1.043			26.943		
	2		0.973			23.427				2		1.048			27.193		
	3		0.978			23.556				3		1.052			27.435		
	4		0.982			23.638				4		1.056			27.712		
2012	1		0.986			23.715			2019	1		1.059			27.933		
	2		0.990			23.794				2		1.062			28.157		
	3		0.995			23.873				3P		1.064			28.325		
	4		1.000			23.965				4P		1.067			28.475		
2013	1		1.004			24.062			2020	1P		1.071			28.653		
	2		1.006			24.140				2P		1.074			28.821		
	3		1.008			24.167				3P		1.076			29.007		
	4		1.010			24.208				4P		1.079			29.168		
2014	1		1.012			24.299			2021	1P		1.082			29.303		
	2		1.016			24.405				2P		1.087			29.417		
	3		1.019			24.538				3P		1.093			29.521		
	4		1.022			24.663				4P		1.099			29.627		
CHANGE IN EXPOSURES			LOCAL PRODUCTS			COMPLETED OPERATIONS											
	7/1/2016 to 7/1/2021	(2021:4/2016:4)			1.067			1.142									
	7/1/2017 to 7/1/2021	(2021:4/2017:4)			1.057			1.109									
	7/1/2018 to 7/1/2021	(2021:4/2018:4)			1.041			1.069									
AVERAGE ANNUAL TREND FACTOR																	
	7/1/2016 to 7/1/2021	(5.0 YRS)			1.013			1.027									
	7/1/2017 to 7/1/2021	(4.0 YRS)			1.014			1.026									
	7/1/2018 to 7/1/2021	(3.0 YRS)			1.013			1.022									

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

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OCCURRENCE SEVERITY TREND

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

Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2009	\$35,775,810	1,479	\$24,189	\$24,191		
12/31/2010	44,999,023	1,604	28,054	25,560		
12/31/2011	40,432,132	1,479	27,337	27,007	\$25,780	
12/31/2012	40,816,210	1,424	28,663	28,536	27,512	
12/31/2013	42,848,649	1,487	28,816	30,151	29,360	\$27,244
12/31/2014	35,063,622	1,278	27,436	31,857	31,333	29,759
12/31/2015	36,960,783	1,120	33,001	33,660	33,438	32,506
12/31/2016	33,354,717	938	35,559	35,566	35,684	35,507
12/31/2017	35,206,034	911	38,645	37,579	38,081	38,785
12/31/2018	36,539,341	852	42,887	39,706	40,640	42,366

Goodness of Fit Statistic, R-Squared: 0.861 0.871 0.931

Average Annual Severity Trend (10 yr) + 5.7%

Average Annual Severity Trend (8 yr) + 6.7%

Average Annual Severity Trend (6 yr) + 9.2%

Selected Annual Severity Trend + 4.0%

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

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

(See Section B - Explanation of Trend Calculation).

OCCURRENCE SEVERITY TREND

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

Property Damage

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Paid <u>Occurrences</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2009	\$171,599,073	5,363	\$31,997	\$27,870		
12/31/2010	162,088,894	5,596	28,965	28,832		
12/31/2011	143,780,168	5,451	26,377	29,827	\$27,455	
12/31/2012	138,274,454	4,775	28,958	30,856	28,935	
12/31/2013	125,890,106	4,034	31,207	31,922	30,495	\$31,484
12/31/2014	120,542,044	3,736	32,265	33,023	32,140	32,847
12/31/2015	130,180,780	3,786	34,385	34,163	33,873	34,268
12/31/2016	140,771,027	3,764	37,399	35,343	35,699	35,752
12/31/2017	136,155,412	3,595	37,874	36,563	37,624	37,299
12/31/2018	135,142,338	3,604	37,498	37,825	39,652	38,914
Goodness of Fit Statistic, R-Squared:				0.684	0.938	0.886
Average Annual Severity Trend (10 yr)				+ 3.5%		
Average Annual Severity Trend (8 yr)				+ 5.4%		
Average Annual Severity Trend (6 yr)				+ 4.3%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B - Explanation of Trend Calculation).

LOCAL PRODUCTS/COMPLETED OPERATIONS

FREQUENCY TREND
MULTISTATE

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

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency <u>(3)/(2)²</u>
12/31/2005	\$ 263,801,627	7,217	27.36
12/31/2006	281,792,381	7,723	27.41
12/31/2007	281,008,214	7,678	27.32
12/31/2008	272,513,895	8,121	29.80
12/31/2009	260,718,485	8,145	31.24
12/31/2010	250,758,243	8,695	34.67
12/31/2011	252,148,652	8,334	33.05
12/31/2012	253,424,520	7,887	31.12
12/31/2013	255,938,198	7,534	29.44
12/31/2014	261,472,662	6,893	26.36
12/31/2015	270,738,295	6,705	24.77
12/31/2016	285,133,839	6,714	23.55
12/31/2017	297,471,141	6,484	21.80
12/31/2018	297,800,338	6,284	21.10

Selected Annual Frequency Trend: - 0.5%

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

The following are definitions of the columns for the Local Products/Completed Operations calculation of proposed loss costs shown on pages G-55-61.

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

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

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

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

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

K = The number of classes within the class group.

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

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

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

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

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

$\tilde{X}_{\text{monoline}}$ (X - tilde monoline) is weighted based on monoline / multiline ALCCCL 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 1.007 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 * 1.015

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	150317	778337	1.16995	.2309	1.016	1.024	1.000	0.0	0.054	0.054
10145	51384	500346	.47646	.1847	.879	.886	.865	-10.0	0.010	0.009
10146	18678	220214	.66245	.1321	.930	.938	.916	-11.1	0.018	0.016
10352	33322	188072	.56361	.1256	.919	.926	.904	-9.5	0.074	0.067
11039	398985	1895071	1.01065	.3736	.985	.993	.970	-2.5	0.080	0.078
11258	16174	76825	.28525	.1024	.900	.907	.886	-11.2	0.196	0.174
11259	88	1948	.00000	.0861	.887	.894	.873	-12.8	0.156	0.136
11288	87460	400280	1.02099	.1666	.979	.987	.964	-4.0	0.100	0.096
12374	285470	1275302	.96029	.3017	.967	.975	.952	-4.4	0.068	0.065
12375	164761	730975	.94732	.2234	.965	.973	.950	-5.8	0.052	0.049
13673	297191	1872355	1.31428	.3713	1.098	1.107	1.081	6.3	0.016	0.017
13720	23619	155637	.69308	.1190	.937	.945	.923	-8.2	0.061	0.056
14401	52442	203843	1.05317	.1288	.981	.989	.966	-3.1	0.131	0.127
15224	95676	542986	.76765	.1921	.931	.939	.917	-8.1	0.074	0.068
16900	550805	2400720	1.14807	.4222	1.045	1.053	1.028	2.9	0.104	0.107
16901	2081761	9558325	.99758	.7245	.990	.998	.974	-2.8	0.144	0.140
16902	112200	658861	.70561	.2117	.914	.921	.899	-10.8	0.065	0.058
16905								2.9	0.104	0.107
16906								-2.8	0.144	0.140
16910	2921144	13505756	.97740	.7862	.976	.984	.961	-4.1	0.073	0.070
16911	203950	926182	1.06307	.2534	.994	1.002	.978	-1.5	0.068	0.067
16915	87237	438194	.92683	.1736	.963	.971	.948	-4.8	0.062	0.059
16916	1057657	4551318	.97359	.5655	.972	.980	.957	-4.3	0.069	0.066
16920	12568	57625	1.50341	.0983	1.023	1.031	1.007	0.8	0.127	0.128
16921	1777	5691	.00000	.0870	.886	.893	.872	-12.3	0.057	0.050
16930	81141	266500	2.20282	.1412	1.144	1.153	1.126	12.4	0.178	0.200
16931	32892	117928	2.60070	.1111	1.151	1.160	1.133	13.0	0.077	0.087
16940	1234	3729	.00000	.0865	.886	.893	.872	-12.1	0.058	0.051
16941	26192	79022	.50612	.1029	.923	.930	.908	-8.9	0.112	0.102
18435	294551	1320539	1.30363	.3075	1.073	1.082	1.056	5.5	0.073	0.077
18436	25220	86674	.00000	.1045	.869	.876	.855	-14.7	0.218	0.186
18501	376742	2023582	.81842	.3867	.912	.919	.897	-12.5	0.016	0.014
45900	69277	443032	.00137	.1744	.801	.807	.788	-20.0	0.060	0.048 L
49617	603229	1953941	1.28667	.3797	1.090	1.099	1.073	7.4	0.229	0.246
57001	19596	122672	3.02360	.1121	1.200	1.210	1.181	17.4	0.023	0.027

X-TILDE: 1.009 X-TILDE (MONOLINE): .992 PI-TILDE: .0049215

TAU SQUARED: .03000 SIGMA SQUARED: 123671.51862

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 * 1.015

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	7188	38425	.00000	.0655	.966	.870	.915	-8.3	0.024	0.022
10042	1814255	6251219	1.18312	.6002	1.123	1.012	1.064	6.2	0.480	0.510
10060	4642	15398	.00000	.0608	.971	.875	.920	-8.0	0.112	0.103
10065	16711	122607	1.53780	.0821	1.075	.968	1.018	3.2	0.031	0.032
10066	4261	15251	.00000	.0608	.971	.875	.920	-7.9	0.076	0.070
10071	778716	2935587	1.11447	.4245	1.068	.962	1.012	1.4	0.142	0.144
10073	11891927	44288461	1.14398	.9112	1.134	1.022	1.075	6.9	0.580	0.620
10075	1411	7423	.73515	.0592	1.016	.915	.962	-3.6	0.250	0.241
10107	52782	290896	2.33059	.1137	1.181	1.064	1.119	11.1	0.270	0.300
10115	67228	338952	.69302	.1223	.992	.894	.940	-5.6	0.090	0.085
10309	16361	172799	.15275	.0918	.953	.859	.903	-10.0	0.020	0.018
11020	7521	42692	.75579	.0663	1.015	.914	.961	-3.7	0.188	0.181
11127	104811	462700	.96176	.1437	1.023	.922	.970	0.0	0.010	0.010
11128	48706	190949	1.11939	.0952	1.042	.939	.987	-1.1	0.094	0.093
11204	14564	58044	.04037	.0694	.965	.869	.914	-8.7	2.080	1.900
11234	33349	150836	.26117	.0876	.966	.870	.915	-8.2	0.073	0.067
12014	26359	166956	.12113	.0907	.951	.857	.901	-8.9	0.045	0.041
12356	7713	48728	1.06216	.0676	1.036	.933	.981	-3.3	0.030	0.029
12510	8359	37727	.00000	.0653	.966	.870	.915	-9.7	0.031	0.028
12805	1200598	4832791	1.05672	.5402	1.046	.942	.991	-1.2	0.167	0.165
13351	909704	4180382	1.38008	.5060	1.209	1.089	1.145	14.3	0.056	0.064
13352	6687	19657	.00000	.0617	.970	.874	.919	-7.4	0.054	0.050
13506	130731	468289	.62822	.1447	.975	.878	.923	-8.2	0.098	0.090
13507	73596	269701	.00792	.1098	.921	.830	.873	-12.8	0.250	0.218
13716	884049	3552476	.88781	.4680	.965	.869	.914	-8.6	0.163	0.149
13759	25825	143685	.01387	.0862	.946	.852	.896	-10.2	0.177	0.159
14101	12370	80358	1.65125	.0739	1.079	.972	1.022	2.1	0.047	0.048
14279	136265	566363	1.01257	.1609	1.030	.928	.976	-2.5	0.079	0.077
14913	90559	328298	1.53801	.1204	1.094	.986	1.037	3.6	0.196	0.203
15538	13717	118019	.05772	.0812	.955	.860	.904	-10.0	0.020	0.018
15600	6886	40538	.44958	.0659	.995	.896	.942	-6.0	0.117	0.110
15608	1024	4815	.00000	.0587	.973	.877	.922	-8.3	0.012	0.011
15839	35417	182552	.82123	.0936	1.014	.914	.961	-3.0	0.033	0.032
15991	44897	218293	.63096	.1003	.993	.895	.941	-6.4	0.094	0.088
15993	6872	34360	.44290	.0647	.996	.897	.943	-6.0	0.067	0.063
16403	88512	390324	2.71871	.1313	1.255	1.131	1.189	18.9	0.175	0.208
16676	1260	6240	.00000	.0590	.973	.877	.922	-6.7	0.015	0.014

X-TILDE: 1.124 X-TILDE (MONOLINE): 1.110 PI-TILDE: .0025715
 TAU SQUARED: .03415 SIGMA SQUARED: 157296.23342

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.036 * 1.015

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	92315	667877	.05932	.1770	.861	.776	.816	-18.6	0.172	0.140
18109	494	2288	.00000	.0582	.974	.877	.922	-8.6	0.035	0.032
18110	54406	294297	1.40566	.1143	1.076	.969	1.019	2.2	0.045	0.046
18206	439479	2502468	1.30811	.3894	1.141	1.028	1.081	8.2	0.122	0.132
18335	9923	53268	.11868	.0685	.971	.875	.920	-9.1	0.022	0.020
18506	28	288	.00000	.0578	.974	.877	.922	-14.3	0.007	0.006
18507	1626	8667	.00000	.0595	.972	.876	.921	-9.1	0.011	0.010
18708	11399	47282	11.57011	.0673	1.743	1.570	1.651	22.2	0.018	0.022 U
18834	7989	35778	.00000	.0650	.967	.871	.916	-8.7	0.150	0.137
18911	5711	33285	.39583	.0645	.993	.895	.941	-4.2	0.024	0.023
18912	1559	6229	1.13293	.0590	1.040	.937	.985	-2.5	0.040	0.039
18920	456	6337	.34780	.0590	.993	.895	.941	-4.3	0.023	0.022
45819	669827	3173633	1.00352	.4421	1.020	.919	.966	-4.0	0.075	0.072
49618	628	1954	3.33163	.0581	1.167	1.051	1.105	11.0	0.073	0.081
49619	289639	1050425	1.13938	.2327	1.058	.953	1.002	0.0	0.154	0.154

X-TILDE: 1.124 X-TILDE (MONOLINE): 1.110 PI-TILDE: .0025715
 TAU SQUARED: .03415 SIGMA SQUARED: 157296.23342

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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 * 1.015

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
92053	0	0	.00000	.0000	.960	1.000	1.037	1.5	0.670	0.680
92054	0	15	.00000	.1250	.840	.841	.872	-12.5	0.320	0.280
92055	309	2731	.00000	.1254	.840	.841	.872	-12.5	0.320	0.280
95124	862896	3842506	1.31302	.4458	1.117	1.118	1.160	15.3	0.980	1.130
98303	150960	378901	.26068	.1722	.839	.840	.871	-13.3	12.000	10.400
98304	3408740	11836238	.93461	.6856	.943	.944	.979	-3.1	4.570	4.430
98305	4081991	12427172	1.14999	.6953	1.092	1.093	1.134	12.5	2.320	2.610
98306	16073	64241	.74540	.1334	.931	.932	.967	-3.9	1.280	1.230
98307	3257	9782	.20272	.1263	.864	.865	.897	-11.3	0.710	0.630
98308	594438	2158718	1.72866	.3397	1.221	1.222	1.268	24.8	1.210	1.510 U
98309	47873	125776	.05990	.1413	.833	.834	.865	-14.4	3.260	2.790
98344	67872	262518	1.64050	.1583	1.068	1.069	1.109	9.5	0.840	0.920
98449	3685997	10789112	1.04392	.6667	1.016	1.017	1.055	4.7	35.900	37.600
98805	293959	999467	1.25894	.2395	1.032	1.033	1.072	6.1	1.630	1.730
98813	686061	2237341	.41192	.3456	.771	.772	.801	-20.5	3.170	2.520
98967	1980910	5814643	1.50105	.5336	1.249	1.250	1.297	24.4	11.900	14.800 U
99003	68232	204921	1.00723	.1512	.967	.968	1.004	-0.5	2.020	2.010
99826	35414	142820	1.73834	.1434	1.072	1.073	1.113	10.3	0.680	0.750
99827	109698	463028	.44019	.1821	.865	.866	.898	-11.8	0.760	0.670
99948	4249544	12492045	.88095	.6964	.905	.906	.940	-6.9	37.700	35.100
99952	820695	1870736	.84101	.3174	.922	.923	.957	-5.5	29.200	27.600
99953	306306	966401	1.31948	.2362	1.045	1.046	1.085	7.8	15.300	16.500
99954	314964	924485	.57951	.2320	.872	.873	.906	-9.9	16.100	14.500
99955	1317851	4097073	.55839	.4589	.776	.777	.806	-20.2	12.900	10.300

X-TILDE: 1.026 X-TILDE (MONOLINE): .999 PI-TILDE: .0073549
TAU SQUARED: .03000 SIGMA SQUARED: 199138.85973

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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 * 1.015

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	2660483	10803060	.86609	.5067	.922	.949	.965	-4.4	8.210	7.850
91150	1353638	4766220	1.05018	.3262	1.002	1.031	1.049	3.9	7.150	7.430
91155	7015673	19818503	1.11552	.6476	1.067	1.098	1.117	10.6	47.900	53.000
91340	34454745	104200098	.90067	.9041	.908	.934	.950	-5.4	13.000	12.300
91341	13159273	42363499	1.06503	.7945	1.047	1.077	1.095	8.5	5.890	6.390
91342	16971348	50870347	.87745	.8224	.895	.921	.937	-7.1	5.320	4.940
91343	451105	1850374	1.25236	.1816	1.028	1.058	1.076	6.3	1.750	1.860
91436	319819	1251498	.96461	.1439	.977	1.005	1.022	1.4	2.960	3.000
91507	53761	205090	.02892	.0689	.913	.939	.955	-5.3	4.720	4.470
91551	956632	3776370	1.21978	.2832	1.047	1.077	1.095	8.9	0.790	0.860
91555	157455	708920	.52278	.1066	.930	.957	.973	-3.1	1.290	1.250
91560	18364193	61380304	.85666	.8479	.875	.900	.915	-9.4	5.950	5.390
91577	2340019	7484706	1.18757	.4215	1.067	1.098	1.117	10.7	3.750	4.150
91746	3645076	13396689	1.07316	.5576	1.031	1.061	1.079	7.0	6.170	6.600
92101	830010	2906354	1.22391	.2407	1.038	1.068	1.086	7.6	3.690	3.970
92102	619598	2457071	1.64617	.2166	1.123	1.155	1.175	16.4	3.970	4.620
92215	11875848	42823235	.90156	.7962	.917	.943	.959	-5.1	4.080	3.870
92338	5959901	18461428	1.21096	.6318	1.125	1.157	1.177	16.7	2.460	2.870
92446	630881	1413582	.38901	.1545	.887	.913	.929	-7.9	2.390	2.200
92447	67724	237168	.94038	.0714	.976	1.004	1.021	1.4	2.180	2.210
92451	3106784	12634643	1.00746	.5438	.994	1.023	1.040	3.4	2.660	2.750
92478	22197909	80023062	.88658	.8788	.898	.924	.940	-7.0	2.430	2.260
94007	14231642	41188111	.94906	.7899	.955	.983	1.000	-1.0	7.300	7.230
94276	2153761	8021602	.89178	.4372	.941	.968	.984	-2.4	6.180	6.030
94569	3142433	12385469	1.10319	.5390	1.046	1.076	1.094	8.5	4.480	4.860
95410	8958565	32039396	.87501	.7460	.901	.927	.943	-6.4	3.930	3.680
95455	371071	2394444	.18107	.2132	.808	.831	.845	-15.8	1.960	1.650
95505	101144	437432	1.62369	.0867	1.034	1.064	1.082	6.9	2.740	2.930
95625	1816784	5725897	1.20796	.3633	1.062	1.093	1.112	10.3	4.450	4.910
95647	34225311	125027528	1.05732	.9187	1.051	1.081	1.099	8.9	7.320	7.970
96053	706523	2201666	1.04236	.2023	.991	1.020	1.037	2.7	6.030	6.190
96410	2185685	7306847	.95471	.4161	.969	.997	1.014	0.8	11.900	12.000
96611	405768	1301029	.45293	.1472	.901	.927	.943	-6.4	2.180	2.040
97447	9437477	31869951	1.14847	.7450	1.105	1.137	1.156	14.5	5.860	6.710
97650	557212	1810892	.94421	.1793	.972	1.000	1.017	0.8	5.090	5.130
97651	446176	1428163	.74944	.1554	.943	.970	.987	-2.4	5.080	4.960
97652	53421	225772	.86736	.0705	.971	.999	1.016	0.6	5.150	5.180

X-TILDE: .970 X-TILDE (MONOLINE): .972 PI-TILDE: .0033055
 TAU SQUARED: .03000 SIGMA SQUARED: 352112.81010

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 U - CAPPED UP
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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 * 1.015

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	1073731	3368208	1.09266	.2639	1.009	1.038	1.056	4.6	3.690	3.860
97654	100524	375864	.63977	.0820	.951	.978	.995	-1.3	3.740	3.690
97655	2111760	6481542	1.02968	.3897	.998	1.027	1.044	3.4	6.440	6.660
98002	16177	96701	.00000	.0604	.919	.945	.961	-4.5	1.320	1.260
98482	30181705	102000249	.97213	.9022	.973	1.001	1.018	0.9	9.150	9.230
98483	40557605	124437623	1.01001	.9183	1.007	1.036	1.054	4.1	26.600	27.700
98502	494777	1594842	.95995	.1660	.975	1.003	1.020	1.0	5.060	5.110
98636	2619398	9271404	.73042	.4707	.862	.887	.902	-10.5	4.930	4.410
98677	6307226	20633002	.92200	.6565	.941	.968	.984	-2.1	14.100	13.800
98678	4184128	12479564	1.06349	.5408	1.024	1.053	1.071	5.9	18.800	19.900
98806	759953	3103191	1.04882	.2507	.996	1.025	1.042	3.1	4.160	4.290
98820	4546425	15678779	.89701	.5944	.930	.957	.973	-3.7	4.640	4.470
98884	2440977	9638387	1.26454	.4798	1.116	1.148	1.168	15.9	2.070	2.400
99004	49040	157371	.08411	.0652	.920	.947	.963	-4.7	2.320	2.210
99080	1785775	5398281	.56146	.3511	.832	.856	.871	-13.9	12.200	10.500
99315	1268470	4954305	1.56063	.3338	1.173	1.207	1.228	21.8	2.060	2.510
99321	3111131	10830801	.82017	.5073	.898	.924	.940	-6.8	3.380	3.150
99613	1607167	5930233	.84966	.3706	.931	.958	.974	-3.5	2.880	2.780
99650	598647	2547275	1.11102	.2216	1.008	1.037	1.055	5.0	1.210	1.270
99746	4214220	15160368	1.00196	.5866	.992	1.021	1.038	2.8	3.960	4.070

X-TILDE: .970 X-TILDE (MONOLINE): .972 PI-TILDE: .0033055
 TAU SQUARED: .03000 SIGMA SQUARED: 352112.81010

L - CAPPED DOWN
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 E - SUBJECT TO CAPPING EXCEPTION

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 * 1.015

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	64221	139738	.07266	.1489	.728	.854	.824	-18.2	2.640	2.160
91127	1297278	4774967	.73699	.6227	.777	.912	.880	-12.8	1.950	1.700
91235	687061	3045159	.95234	.5238	.900	1.056	1.019	1.1	3.670	3.710
91265	33333	110542	.00757	.1421	.724	.850	.820	-18.8	3.820	3.100
91266	254117	821610	1.53392	.2816	1.037	1.217	1.175	16.8	1.190	1.390
91280	9970	54844	2.57770	.1288	1.066	1.251	1.208	20.0	3.150	3.780
94381	2678170	7628149	.87329	.7190	.865	1.015	.980	-3.4	17.800	17.200
94404	171836	371662	.59509	.1992	.793	.931	.899	-10.8	7.850	7.000
95310	597171	2091601	.37989	.4433	.638	.749	.723	-20.1	1.940	1.550 L
96408	1885246	5289949	1.11798	.6447	1.020	1.197	1.155	14.2	16.900	19.300
96409	2782410	10626459	.78535	.7785	.798	.937	.904	-10.3	14.600	13.100
97221	796302	3867376	1.03615	.5766	.954	1.120	1.081	7.6	1.320	1.420
97222	5275641	19968940	.73559	.8665	.750	.880	.849	-16.0	2.750	2.310
97223	4451487	15738250	1.06604	.8372	1.030	1.209	1.167	15.7	4.710	5.450
98152	574495	2652538	1.40330	.4937	1.119	1.313	1.267	23.9	0.710	0.880 U
98157	87307	376414	1.24106	.2002	.922	1.082	1.044	3.5	0.570	0.590
98163	3307	5068	.00000	.1166	.744	.873	.843	-16.1	0.310	0.260
98164	9152	99501	.00000	.1395	.725	.851	.821	-19.2	0.104	0.084
98659	279	1621	.00000	.1158	.745	.874	.844	-16.4	0.550	0.460
98914	857	3472	.00000	.1162	.745	.874	.844	-16.9	0.830	0.690
98949	5495	17554	.00000	.1197	.742	.871	.841	-16.7	0.420	0.350
98993	2032907	7743483	.65626	.7219	.708	.831	.802	-20.5	7.030	5.590
99163	10026	9274	.00000	.1177	.744	.873	.843	-15.9	0.630	0.530
99803	8542	54745	1.64638	.1288	.946	1.110	1.071	6.5	13.800	14.700
99946	4167620	14970073	.76840	.8304	.781	.917	.885	-12.2	4.030	3.540
99969	1133942	3717247	.95785	.5678	.908	1.066	1.029	2.2	3.670	3.750

X-TILDE: .862 X-TILDE (MONOLINE): .852 PI-TILDE: .0068928
TAU SQUARED: .03000 SIGMA SQUARED: 106513.34490

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SECTION H
CONSIDERATION OF COVID-19
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IMPACT OF COVID-19 ON GENERAL LIABILITY LOSS COSTS

INTRODUCTION

The ongoing COVID-19 global pandemic is a truly unique event that has impacted almost every aspect of daily life. The COVID-19 pandemic has had a significant impact on the United States economy and the property-casualty insurance industry. For several months in 2020 much of the country was following social distancing guidelines. The economy slowed significantly in many segments, and some had ground nearly to a halt. Given the sudden major changes in social and economic activity, the potential impact on prospective loss costs has been analyzed.

ISO General Liability basic limit loss cost level changes are based on historical aggregate losses and loss adjustment expenses adjusted through development to their ultimate value and projected through trending to a future point in time. The historical statistical data included in this filing is from a period where COVID-19 was not known to be present in the United States.

In anticipation of long-term behavioral, social and economic changes as a result of COVID-19, it is expected, based on the information currently available, that those changes will have a material impact on prospective loss costs for certain risks. To reflect these changes, judgmentally selected adjustment factors have been applied to the loss costs of several classes.

LOSS COST ADJUSTMENTS GENERAL LIABILITY

For General Liability, all manually rated classes were reviewed to determine how future economic conditions and changes in behavior could potentially impact the loss experience. The bulk of General Liability classes have economically sensitive exposure bases, including exposure bases gross sales and payroll. These economically sensitive exposure bases will generally adjust to new economic conditions and classes with these bases are not expected to have significant changes in loss potential per exposure. However, there are classes that use exposure bases that are not economically sensitive and would not necessarily be responsive to sudden changes. Classes with exposure bases that are not economically sensitive were reviewed for a potential loss cost adjustment.

The individual classes that use square feet as an exposure base were further examined to determine which may be impacted by long-term behavioral, social and economic changes. The new, large scale work from home policies put in place due to social distancing guidelines has the potential to become a long-lasting change in behavior. Companies may utilize their physical spaces differently than in the past. There will likely be more work from home options and more emphasis on digital solutions to replace physical, in-person meetings. Additionally, it will take time for companies to decrease their physical office footprint to reflect this new environment. With fewer workers, vendors, clients, and other outside visitors present in commercial buildings, there is an expected decrease in occurrences relative to the fixed exposure base of thousands of square feet for certain classes.

LOSS COST
ADJUSTMENTS
GENERAL LIABILITY
(Cont'd)

Nine classifications are being adjusted for this expected decrease in occurrence frequency. The classifications are OL&T classifications within Premises/Operations Class Group 12 – Building and Offices. These classes are for risks that are primarily an office environment and are expected to be impacted by changes in the office work environment. The varying adjustments, -5% or -10%, reflects the expected decrease in foot traffic for the individual classes listed. The adjustment is a decrease to the revised Premises/Operations loss costs after application of all loss cost changes including any relativity changes and reflecting any capping and build back factors.

In Section A, the impact of adjusting these classes will be reflected in the filed loss costs and in the class group, subtitle, and overall loss cost level changes.

Class Code	Class Description	Adjustment
61212	Buildings or Premises - bank or office - mercantile or manufacturing (Lessor's risk only) (For-Profit)	-5.0%
61216	Buildings or Premises - bank or office - mercantile or manufacturing (Lessor's risk only) (Not-For-Profit)	-5.0%
61217	Buildings or Premises - bank or office - mercantile or manufacturing - maintained by the insured (Lessor's risk only) (For-Profit)	-5.0%
61218	Buildings or Premises - bank or office - mercantile or manufacturing - maintained by the insured (Lessor's risk only) (Not-For-Profit)	-5.0%
61224	Buildings or Premises - office premises primarily occupied by employees of the insured (For-Profit)	-10.0%
61225	Buildings or Premises - office premises primarily occupied by employees of the insured (Not-For-Profit)	-10.0%
61226	Buildings or Premises - office - Not Otherwise Classified (For-Profit)	-5.0%
61227	Buildings or Premises - office - Not Otherwise Classified (Not-For-Profit)	-5.0%
62000	Condominiums - commercial - bank or mercantile, manufacturing or office (association risk only)	-5.0%

MINNESOTA GL-2020-BGL1
BASIC LIMIT LOSS COST LEVEL
GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS
ACTUARIAL ANALYSIS SUPPLEMENT

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

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

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>	<u>ADJUSTED</u>
M&C	+ 0.3%	+ 0.3%	+ 0.3%
OL&T	+ 13.0%	+ 13.0%	+ 11.8%
Premises/Operations	+ 6.8%	+ 6.8%	+ 6.2%
Products	- 0.2%	- 0.2%	- 0.2%
Local Products/Completed Operations	+ 0.8%	+ 0.8%	+ 0.8%
Products/Completed Operations	+ 0.5%	+ 0.5%	+ 0.5%
GL Overall	+ 5.0%	+ 5.0%	+ 4.5%

INDICATED VS. SELECTED VS. ADJUSTED Indicated changes are based on standard ISO methodology. The selected changes are equal to the indicated changes for all sublines. The adjusted loss cost level changes reflect the COVID-19 related adjustments for OL&T.

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

ISO reporting companies' voluntary experience.

Fiscal - accident year data through year ended 9/30/2019 for Premises/Operations.

Calendar - accident year data through year ended 12/31/2018 for Products/Completed Operations.

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

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

CALL TO CALL COMPARISON

Manufacturers and Contractors

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 5.5%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 2.4% decrease in ALCCL;
- Implemented loss cost level change (-1.6%);
- A change in exposure trend plus an additional year of trending (-1.1%);
- The effect on ALCCL due to a change in average IPMFs (+0.1%).

The Basic Limit Experience Ratios (BLERs) varied within reasonable limits.

Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 2.6%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused an 3.0% decrease in ALCCL;
- Implemented loss cost level change (+0.2%);
- A change in exposure trend plus an additional year of trending (+0.1%);
- The effect on ALCCL due to a change in average IPMFs (-0.1%).

The BLERs increased in 2016 (+10.0%) and 2017 (+17.6%). This is mainly due to unfavorable experience across several class groups.

Products

Multistate ALCCL decreased by an average of 21.7% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in company mix which caused a 12.3% decrease in ALCCL;
- Implemented an average loss cost level change of approximately -10.8% in most states;
- A change in exposure trend plus an additional year of trending of -0.8%;
- The effect on ALCCL due to a change in average IPMFs (-0.5%).

The BLERs changed due to the various effects listed above.

CALL TO CALL
COMPARISON
(Cont'd)

Local Products/
Completed Ops

Multistate ALCCL decreased by an average of 1.3% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in the companies mix which caused a 3.4% decrease in ALCCL;
- Implemented an average loss cost level change of approximately -0.6% in most states;
- A change in exposure trend plus an additional year of trending of +1.6%;
- The effect on ALCCL due to a change in average IPMFs (+0.9%).

The BLERs changed due to the various effects listed above.

LATEST CALL
YEAR TO YEAR
COMPARISON

Manufacturers and
Contractors

The ALCCL increased from 2015 to 2016, decreased in 2017 and then increased thereafter.

The low BLER for 2016 (0.780) is attributable to favorable experience in several class groups. The high BLER for 2018 (1.183) is attributable to unfavorable experience in several class groups.

Owners, Landlords
and Tenants

The ALCCL increased from 2015 to 2018 and then decreased thereafter.

The high BLERs for 2017 (1.292) and 2019 (1.269) are attributable to unfavorable experience in several class groups.

Products

The ALCCL increased steadily from 2014 to 2018.

The BLER decreased from 2014 to 2015, increased in 2016 and then decreased thereafter.

Local Products/
Completed Ops

The ALCCL increased steadily from 2014 to 2018.

The BLER increased from 2014 to 2015, decreased until 2017 and then increased thereafter.

LOSS
DEVELOPMENT
FACTOR
COMPARISON

Manufacturers and
Contractors

The BI and PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

The multistate full coverage BI Indemnity factors have increased compared to those in the 2019 review. The multistate full coverage PD Indemnity factors remained stable compared to those in the 2019 review.

The multistate deductible coverage BI indemnity factors remained stable compared to the 2019 review. The multistate deductible coverage PD indemnity factors have decreased compared to the 2019 review.

The multistate Fringe indemnity factors have increased compared to the 2019 review.

Owners, Landlords
and Tenants

The BI and PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

The multistate full coverage BI Indemnity factors have increased compared to those in the 2019 review. The multistate full coverage PD Indemnity factors remained stable compared to those in the 2019 review.

The multistate deductible coverage BI and PD Indemnity factors remained stable compared to the 2019 review.

The multistate Fringe indemnity factors have decreased compared to the 2019 review.

Products

The multistate full coverage BI and PD indemnity development factors for the 2020 review have increased compared to those in the 2019 review.

The multistate deductible coverage BI indemnity development factors have increased compared to the 2019 review. The multistate deductible coverage PD indemnity development factors remained stable compared to the 2019 review.

LOSS
DEVELOPMENT
FACTOR
COMPARISON
(Cont'd)

Local Products/
Completed Ops

For Local Products, the multistate full coverage BI indemnity development factors in this review remained stable compared to those in the 2019 review. The multistate full coverage PD indemnity development factors in this review have decreased compared to those in the 2019 review. The multistate deductible coverage BI indemnity development factors have decreased compared to the 2019 review. The multistate deductible coverage PD indemnity development factors have increased compared to the 2019 review.

For Completed Operations, the full coverage BI indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review, except for the 15, 27, and 39 months-to-ultimate factors which decreased by 18.2%, 15.2% and 11.1% respectively. This can largely be attributed to a lower 27-to-39 months state link ratio and a lower 15-to-27 months multistate link ratio. The full coverage PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

The Completed Operations multistate full coverage BI indemnity factors have decreased compared to those in the 2019 review. The multistate full coverage PD indemnity factors have increased compared to those in the 2019 review. The multistate deductible coverage BI indemnity factors have increased compared to those in the 2019 review. The multistate deductible coverage PD indemnity factors have decreased compared to those in the 2019 review.

One might expect PD development to be higher due to the Montrose decision in California. In response to the Montrose decision, ISO has introduced revised wording into the CGL policy to better define the concept of known loss. This revision represents neither a broadening nor a restriction in coverage from the original intent, however, it may result in the shifting of coverage, under certain circumstances, between an insured's current policy and past or future policies.

ALAE Development

To develop ALAE losses for all sublines and loss types (BI, PD and Fringe), we are using an incremental method that is based on a percentage of the total limit indemnity losses developed to ultimate. Since this is a procedure that produces incremental factors instead of multiplicative factors, there is no appropriate factor comparison available to last year's review.

One of the primary purposes of this procedure is to produce accurate and stable developed ALAE, especially for immature accident years.

SEVERITY TREND COMPARISON	Manufacturers and Contractors	<p>The BI severity trend selection is +4.5%, unchanged from +4.5% in the previous Fiscal review.</p> <p>The PD severity trend selection is +4.5%, unchanged from +4.5% in the previous Fiscal review.</p> <p>The Fringe severity trend selection is 0.0%, down from +0.5% in the previous Fiscal review.</p>
	Owners, Landlords and Tenants	<p>The BI severity trend selection is +4.0%, up from +3.5% in the previous Fiscal review.</p> <p>The PD severity trend selection is +5.0%, up from +4.5% in the previous Fiscal review.</p> <p>The Fringe severity selection is +1.0%, down from +1.5% in the previous Fiscal review.</p>
	Products	<p>The BI severity trend selection is +3.0%, up from +2.5% in the previous review.</p> <p>The PD severity trend selection is +6.0%, down from +6.5% in the previous review.</p>
	Local Products/ Completed Ops	<p>The BI severity trend selection is +4.0%, up from +2.5% in the previous review.</p> <p>The PD selected severity trend is +4.5%, unchanged from +4.5% in the previous review.</p>

FREQUENCY
TREND
COMPARISON

We have selected a frequency trend of 0.0% for Manufacturers & Contractors, -0.5% for Owners, Landlords and Tenants, -1.5% for Products, and -0.5% for Local Products/Completed Operations. This is consistent with our conservative approach toward frequency trend selections. This conservatism reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

Manufacturers and
Contractors

The latest frequency point is lower than the prior point.

Owners, Landlords
and Tenants

The latest frequency point is lower than the prior point.

Products

The latest frequency point is lower than the prior point.

Local Products/
Completed Ops

The latest frequency point is lower than the prior point.

EXPOSURE
TREND
COMPARISON

Manufacturers and
Contractors

The exposure trend factors for Manufacturers are lower than that used in the previous review for all three years. The exposure trend factors for Contractors are lower than that used in the previous review for all three years

Owners, Landlords
and Tenants

The exposure trend factors for Class Groups 1-13 are lower than those used in the previous review for all three years. The exposure trend factors for Class Group 16 are lower than that used in the previous review for all three years

Products

The exposure trend factors are lower than that used in the previous review for all three years.

Local Products/
Completed Ops

The exposure trend factors for Local Products are lower than that used in the previous review for all three years. The exposure trend factors for Completed Operations are lower than that used in the previous review for all three years.

WEIGHTED AVERAGE IMPLICIT PACKAGE MODIFICATION FACTOR (IPMF) COMPARISON	Manufacturers and Contractors	The current weighted average IPMF is 1.086. In the 2019 review the weighted average IPMF was 1.085.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.967. In the 2019 review the weighted average IPMF was 0.970.
	Products	The current multistate weighted average IPMF is 0.859. In the 2019 review the multistate weighted average IPMF was 0.856.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.991. In the Group 4, 2019 review the multistate weighted average IPMF was 0.979.

The IPMF's are applied to the multiline ALCCL.

CLASS GROUP/ TERRITORY/ STATE RELATIVE CHANGE	The class group relative changes for Manufacturers and Contractors vary within reasonable limits.
	The class group and territory relative changes for Owners, Landlords and Tenants vary within reasonable limits.
	For Local Products, Minnesota's state balanced relative change (0.924) ranks 3rd lowest overall. In last year's review, Minnesota's state balanced relative change (0.939) ranked 6th lowest overall.

CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average decrease of 2.4% in the total statewide ALCCL.
	For Owners, Landlords and Tenants, the change in company mix results in an average decrease of 3.0% 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 3.4% 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	.044	.195	10205	.099	—	11210	2.68	—	13207	(a)	(a)
10015	3.99	—	10220	1.87	—	11211	13.90	—	13208	(a)	(a)
10020	(a)	(a)	10255	.14	.147	11212	2.11	—	13314	.048	.016
10026	.26	.022	10256	.51	.152	11213	1.72	—	13351	.116	.064
10036	.38	(a)	10257	.097	.169	11214	4.24	—	13352	.118	.05
10040	.033	.30	10309	.064	.018	11222	.071	—	13410	.81	2.99
10042	.147	.51	10315	.151	(a)	11234	.112	.067	13411	(a)	(a)
10052	2.76	—	10331	5.41	—	11248	.027	.018	13412	.27	1.14
10054	2.45	—	10332	9.33	—	11258	.35	.174	13453	.31	(a)
10060	.07	.103	10352	.168	.067	11259	.37	.136	13454	.37	(a)
10065	.105	.032	10367	3.59	—	11273	5.53	—	13455	.37	(a)
10066	.107	.07	10368	5.24	—	11274	5.31	—	13461	(a)	(a)
10070	.025	.154	10375	(a)	—	11288	.43	.096	13506	.36	.09
10071	.126	.144	10378	5.48	—	12014	.057	.041	13507	.44	.218
10072	4.06	—	10379	2.54	—	12356	.47	.029	13590	.28	.74
10073	.59	.62	10380	4.34	—	12361	.034	.077	13621	.07	.32
10075	4.37	.241	10381	3.76	—	12362	.027	(a)	13670	.019	.015
10100	.29	.054	11007	1.53	—	12373	.01	.024	13673	.26	.017
10101	.095	.181	11020	.12	.181	12374	.244	.065	13715	.027	.165
10105	1.03	—	11039	.51	.078	12375	.12	.049	13716	.18	.149
10107	1.80	.30	11052	1.61	—	12391	.021	.082	13720	.149	.056
10110	13.60	—	11101	(a)	(a)	12393	.159	(a)	13759	.07	.159
10111	.055	.078	11120	(a)	—	12467	.066	(a)	13930	.059	.201
10113	.143	—	11126	.025	.022	12509	.035	.036	14068	.015	.014
10115	.28	.085	11127	.139	.01	12510	.44	.028	14101	.182	.048
10117	3.96	—	11128	.188	.093	12583	.197	(a)	14279	.27	.077
10119	(a)	—	11138	1.35	—	12651	.58	.53	14401	.35	.127
10120	8.88	—	11155	.085	—	12683	.26	(a)	14405	.90	—
10130	1.40	—	11160	(a)	(a)	12707	.18	.64	14527	.112	.189
10132	1.21	—	11167	.37	—	12797	.038	.196	14655	.035	—
10133	1.55	—	11168	1.93	—	12805	.128	.165	14731	1.60	—
10135	(a)	—	11201	13.40	—	12841	.213	—	14732	.118	—
10140	.016	.021	11202	3.95	—	12927	.037	—	14733	.246	—
10141	.031	.023	11203	.32	.52	13049	.018	.057	14734	.105	—
10145	.15	.009	11204	.124	1.90	13111	.32	.093	14855	.123	.154
10146	.129	.016	11205	(a)	—	13112	.029	.063	14913	.132	.203
10150	.196	(a)	11206	.62	—	13201	.51	.16	15060	(a)	(a)
10151	4.94	—	11207	7.82	—	13204	.58	1.45	15061	(a)	(a)
10160	.88	—	11208	1.34	—	13205	.221	.46	15062	.111	(a)
10204	.089	—	11209	6.30	—	13206	(a)	(a)	15063	.129	(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	.12	—	16750	.041	.032	18707	.004	.004	40117	(a)	—
15119	(a)	—	16751	.041	—	18708	.045	.022	40140	(a)	—
15120	(a)	—	16819	.67	(a)	18833	.049	(a)	41001	.149	—
15123	1.55	—	16820	.52	(a)	18834	.118	.137	41210	(a)	—
15124	.54	—	16881	.65	(a)	18911	.37	.023	41421	.42	—
15188	.195	(a)	16890	.078	(a)	18912	.70	.039	41422	.222	—
15223	.022	.041	16891	.085	(a)	18920	.182	.022	41510	18.70	—
15224	.157	.068	16892	.155	(a)	18991	(a)	—	41603	19.70	—
15300	(a)	—	16900	1.43	.107	19007	.60	—	41604	10.80	—
15314	.085	(a)	16901	.92	.14	19051	1.34	—	41620	1.12	—
15404	.05	(a)	16902	.78	.058	19061	(a)	—	41650	27.70	—
15405	.074	(a)	16905	1.50	.107	19795	.122	(a)	41664	18.80	—
15406	.189	.048	16906	.96	.14	19796	.143	—	41665	2.20	—
15488	.47	(a)	16910	.86	.07	40005	(a)	—	41666	(a)	—
15538	.151	.018	16911	.78	.067	40006	(a)	—	41667	51.50	—
15600	.38	.11	16915	.88	.059	40010	(a)	—	41668	48.20	—
15607	.157	—	16916	.73	.066	40015	(a)	—	41669	.34	—
15608	.085	.011	16920	1.95	.128	40020	(a)	—	41670	.57	—
15656	2.50	—	16921	1.78	.05	40026	(a)	—	41672	(a)	—
15699	.39	—	16930	1.12	.20	40031	(a)	—	41673	(a)	—
15733	.123	.037	16931	1.21	.087	40032	(a)	—	41675	(a)	—
15839	.114	.032	16940	2.44	.051	40040	(a)	—	41677	.229	—
15991	.093	.088	16941	.98	.102	40041	(a)	—	41678	34.90	—
15993	.079	.063	18078	.05	.14	40042	(a)	—	41679	(a)	(a)
16005	.015	.034	18109	.155	.032	40045	124.00	—	41680	14.40	—
16009	.151	.094	18110	.124	.046	40046	24.60	—	41696	.73	—
16402	.56	—	18200	(a)	—	40047	8.76	—	41697	.51	—
16403	.36	.208	18205	.077	.35	40059	3.14	—	41700	(a)	—
16404	.45	—	18206	.20	.132	40061	1.66	—	41715	9.14	—
16471	.222	—	18335	.145	.02	40063	55.70	—	41716	5.82	—
16501	.031	(a)	18435	.31	.077	40064	16.40	—	43007	(a)	—
16527	.047	.35	18436	.247	.186	40066	(a)	—	43117	(a)	—
16588	.07	(a)	18437	.207	(a)	40067	(a)	—	43151	14.60	—
16604	.118	.146	18438	.40	(a)	40069	(a)	—	43152	10.40	—
16670	2.24	—	18501	.28	.014	40072	(a)	—	43200	55.60	—
16676	.118	.014	18506	.246	.006	40075	29.40	—	43215	(a)	—
16694	.232	(a)	18507	.074	.01	40101	9.92	—	43421	15.20	—
16705	.088	.148	18570	.78	—	40102	8.76	—	43422	79.90	—
16722	(a)	—	18575	(a)	(a)	40111	4.41	—	43424	(a)	—
16723	(a)	—	18616	.188	.59	40115	(a)	—	43470	4.25	—

\$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	48.30	—	46004	26.30	—	47471	3.60	—
43518	8.07	—	44280	.229	—	46005	21.00	—	47473	4.71	—
43550	54.30	—	44311	4.17	—	46112	.039	—	47474	5.26	—
43551	30.10	—	44315	2.80	—	46202	3.05	—	47475	4.15	—
43626	6.45	—	44427	35.90	—	46362	122.00	—	47476	4.15	—
43628	83.80	—	44428	36.10	—	46426	17.80	—	47477	5.54	—
43629	71.00	—	44429	.54	—	46427	23.80	—	47478	5.82	—
43754	(a)	—	44430	.38	—	46510	(a)	—	47600	(a)	—
43760	2.37	—	44431	1.20	—	46590	(a)	—	47610	(a)	—
43822	3.35	—	44432	.38	—	46603	1.49	—	48039	39.40	—
43840	.042	—	44433	12.10	—	46604	1.72	—	48177	(a)	—
43860	2.66	—	44434	23.20	—	46606	4.59	—	48178	(a)	—
43889	.95	—	44435	24.00	—	46607	6.31	—	48206	17.10	—
43945	(a)	—	44436	28.00	—	46622	9.88	—	48252	(a)	—
43946	(a)	—	44437	23.20	—	46671	(a)	—	48441	.072	—
43990	(a)	(a)	44438	18.40	—	46700	112.00	—	48557	7.17	—
43991	(a)	—	44439	35.70	—	46773	(a)	—	48558	6.23	—
44009	1.88	—	44440	29.60	—	46822	(a)	—	48600	35.60	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	6.90	—	44501	(a)	—	46882	(a)	—	48636	1.00	(a)
44070	2.04	—	45190	2.40	—	46911	12.80	—	48637	5.48	—
44071	2.27	—	45191	1.70	—	46912	23.40	—	48638	2.72	—
44072	1.57	—	45192	1.99	—	46913	(a)	—	48727	(a)	—
44100	2.91	—	45193	1.17	—	46914	(a)	—	48808	.64	—
44101	3.03	—	45210	1.49	—	46915	(a)	—	48924	(a)	—
44102	2.37	—	45224	(a)	—	46916	(a)	—	48925	131.00	—
44103	2.09	—	45225	(a)	—	47050	.91	—	49005	.157	—
44104	.88	—	45334	32.00	—	47051	(a)	—	49111	.98	—
44105	(a)	—	45380	.144	(a)	47052	(a)	—	49181	12.90	—
44106	(a)	—	45450	9.42	—	47103	(a)	—	49183	15.70	—
44108	1.03	—	45523	(a)	—	47146	(a)	—	49184	33.10	—
44109	2.61	—	45524	(a)	—	47147	(a)	—	49185	30.10	—
44110	2.67	—	45539	(a)	—	47221	123.00	—	49239	.108	.60
44111	1.64	—	45678	.25	—	47253	(a)	—	49292	.94	—
44112	.97	—	45771	.22	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.071	.072	47318	5.25	—	49333	6.91	—
44193	(a)	—	45900	.043	.048	47367	.229	—	49451	(a)	—
44194	(a)	—	45901	.037	.049	47420	1.15	—	49452	(a)	—
44222	(a)	—	45937	.126	—	47468	(a)	—	49617	.127	.246
44276	74.60	—	45993	(a)	(a)	47469	4.15	—	49618	.107	.081

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	.201	.154	51315	.07	.106	51809	.25	.153	52341	.029	(a)
49763	1.31	—	51330	.061	.53	51833	.111	.06	52342	.083	(a)
49800	(a)	—	51333	.02	.34	51850	.149	(a)	52343	.051	(a)
49801	108.00	—	51340	.025	(a)	51851	.101	(a)	52401	.157	(a)
49802	9.57	—	51350	.171	.135	51852	.236	(a)	52402	.014	(a)
49803	17.00	—	51351	.153	.042	51853	.095	(a)	52432	.068	(a)
49840	.95	—	51352	.211	.108	51854	.213	(a)	52433	.062	1.02
49870	54.80	—	51355	.143	.094	51855	.223	(a)	52435	.078	(a)
49890	(a)	—	51356	.155	.62	51856	.123	(a)	52438	.056	(a)
49891	(a)	—	51357	.099	.66	51857	.21	(a)	52440	.088	(a)
49902	(a)	—	51358	.239	.141	51869	.067	.136	52467	.082	(a)
49903	(a)	—	51359	.21	.78	51877	.38	.212	52469	.029	.104
50010	.147	.49	51370	.29	4.57	51889	.062	.012	52505	.142	.216
50015	.095	(a)	51380	.029	.044	51896	.029	.018	52547	.136	.078
50017	.073	(a)	51400	.144	(a)	51900	.083	.095	52581	.69	2.95
50045	.166	(a)	51401	.212	(a)	51909	.134	.056	52619	.049	(a)
50047	.019	(a)	51500	.056	.119	51919	.063	(a)	52660	.082	—
51001	.035	.45	51516	.069	—	51926	.064	.038	52744	.42	.081
51005	.007	(a)	51517	.079	—	51927	.035	.131	52767	.125	(a)
51116	.087	.69	51550	.069	.39	51934	.07	.125	52876	(a)	(a)
51201	.025	(a)	51551	.024	.91	51941	.064	.041	52911	.039	.45
51205	.076	.071	51552	.041	.159	51942	.102	—	52967	.015	.062
51206	.012	.39	51553	.074	(a)	51956	.28	.221	53001	.143	.33
51210	.06	(a)	51554	.007	(a)	51957	.243	.42	53077	.069	.207
51211	(a)	(a)	51575	.046	.02	51958	.216	.41	53095	.047	(a)
51220	.207	2.28	51576	.132	.093	51959	.221	(a)	53096	.065	(a)
51221	.115	1.78	51600	.09	.191	51960	.029	.35	53121	.186	.44
51222	.14	3.67	51613	.06	.139	51970	.127	.238	53147	.021	(a)
51224	.147	1.45	51625	.032	(a)	51982	.037	.083	53229	.118	(a)
51230	.025	.79	51666	.073	.101	51985	.065	—	53271	.035	(a)
51240	.30	.185	51702	.095	(a)	51986	.147	.103	53333	.116	.239
51241	.90	.26	51703	.039	(a)	51999	.062	.44	53374	.112	.31
51250	.159	(a)	51734	.074	.31	52002	.054	.129	53375	.059	.223
51251	.026	(a)	51741	.157	.26	52075	.117	.243	53376	.095	.194
51252	.091	.10	51752	.132	.165	52076	.141	(a)	53377	.097	.195
51253	.078	(a)	51767	.021	.008	52109	.014	(a)	53403	.062	(a)
51254	.024	.039	51777	.074	.078	52134	.182	.63	53425	.109	(a)
51255	.40	(a)	51790	.123	(a)	52137	.046	(a)	53565	.072	.108
51300	.102	.16	51796	.057	(a)	52150	.33	(a)	53631	.022	.022
51305	.102	.96	51808	.203	.73	52315	.096	.26	53632	.025	.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	.023	(a)	56170	.107	(a)	57401	.045	.096	58503	.054	.076
53732	.155	.45	56171	.053	(a)	57403	.151	.035	58532	.07	(a)
53733	.101	.27	56202	.052	.089	57410	.022	.162	58559	.014	(a)
53734	.42	—	56390	.091	.64	57411	.027	(a)	58560	.034	(a)
53803	.26	(a)	56391	.078	.32	57572	.013	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.125	.125	57600	.038	.034	58575	.044	.12
53902	(a)	(a)	56488	.123	.034	57611	.058	.062	58627	.142	.013
53903	(a)	(a)	56567	.111	(a)	57625	.34	(a)	58663	.246	1.28
53904	(a)	(a)	56650	.34	(a)	57651	.041	.041	58682	.127	(a)
53905	(a)	(a)	56651	.185	(a)	57690	.075	.49	58713	.047	(a)
53907	.068	.103	56652	.132	(a)	57716	.035	.082	58737	.092	.63
53951	(a)	(a)	56653	.128	(a)	57725	.078	.088	58756	.046	(a)
53952	(a)	(a)	56654	.065	(a)	57726	.06	.021	58757	.31	(a)
53953	(a)	(a)	56690	.064	.35	57798	.021	(a)	58759	.038	(a)
54012	.042	—	56699	.058	.057	57800	.077	(a)	58802	.043	.48
54077	.093	.40	56758	.049	.148	57808	.03	(a)	58813	.113	(a)
54444	(a)	(a)	56759	.05	.08	57809	.031	(a)	58822	.12	(a)
55010	.28	1.08	56760	.072	.098	57810	.03	.107	58837	.227	.162
55011	.076	1.57	56805	.095	(a)	57871	.035	.118	58840	.068	.127
55012	.091	1.18	56806	.067	(a)	57913	.10	.29	58873	.108	.03
55013	.099	1.14	56807	.067	(a)	57997	.092	—	58903	.027	(a)
55014	(a)	(a)	56808	.087	(a)	57998	.044	.058	58904	.021	.128
55214	.074	.088	56900	.083	(a)	57999	.049	.071	58922	.18	.168
55371	.29	.119	56910	.042	(a)	58009	.049	(a)	59005	.052	.096
55410	(a)	(a)	56911	.096	(a)	58010	.103	(a)	59057	.38	(a)
55426	.12	(a)	56912	.078	.09	58020	.162	(a)	59058	.249	(a)
55597	.018	1.79	56913	.063	(a)	58056	.123	(a)	59188	.32	.055
55647	.037	.062	56915	.37	(a)	58057	.077	(a)	59189	.44	.30
55648	.017	(a)	56916	.34	.205	58058	.069	(a)	59223	.112	.088
55649	.02	(a)	56917	.098	(a)	58095	.098	1.99	59257	.014	.013
55715	.146	.224	56918	.047	(a)	58096	.13	1.23	59306	.088	(a)
55716	.211	.52	56919	.12	(a)	58301	.037	.088	59378	.073	.15
55717	.158	(a)	56920	.109	(a)	58302	.035	.055	59481	.236	.099
55718	.153	(a)	56980	.072	(a)	58397	.203	.74	59482	.34	(a)
55802	.074	.009	57001	.025	.027	58408	.055	—	59537	.079	.21
55918	.083	2.74	57002	.016	.106	58409	.069	—	59601	.089	2.37
55919	.011	3.65	57090	.175	.66	58456	.037	—	59647	.15	.17
56040	.008	.033	57146	.111	.72	58457	.054	—	59660	.164	1.18
56041	.052	(a)	57202	.064	(a)	58458	.069	—	59661	.08	(a)
56042	.065	(a)	57257	.08	.035	58459	.083	—	59693	.013	—

DIVISION SIX

PREM/OPS TERR. 501

GENERAL LIABILITY

PROD/COPS

LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.41	.069	63220	(a)	—	91190	1.78	(a)
59701	.006	.29	59970	.067	.183	64074	16.90	—	91200	.55	—
59713	.146	.31	59973	.112	(a)	64075	11.90	—	91210	(a)	—
59722	.076	.031	59975	.094	.227	64500	(a)	—	91235	1.17	3.71
59723	.029	.037	59977	.054	(a)	65007	18.90	—	91250	1.75	(a)
59724	.044	.019	59984	.031	.053	66122	8.15	—	91265	11.80	3.10
59725	.055	.116	59985	.12	(a)	66123	4.48	—	91266	6.24	1.39
59726	.04	.024	59986	.092	(a)	66309	13.10	—	91280	(a)	3.78
59738	.127	.064	59988	.024	.059	66561	30.30	—	91302	8.97	(a)
59750	.058	.222	59989	.016	.044	67017	28.10	—	91315	2.73	—
59751	.021	(a)	60010	16.40	—	67508	33.20	—	91324	6.06	(a)
59773	.019	.028	60011	18.90	—	67509	24.40	—	91325	(a)	(a)
59774	.016	.15	60012	31.00	—	67510	13.60	—	91340	3.95	12.30
59775	.02	.188	60013	26.60	—	67511	14.70	—	91341	3.80	6.39
59781	.051	.068	60015	19.90	—	67512	62.90	—	91342	3.63	4.94
59782	.076	.46	60016	22.30	—	67513	39.90	—	91343	.84	1.86
59783	.074	(a)	60035	21.40	—	67634	24.30	—	91405	4.61	—
59784	.057	(a)	61000	16.20	—	67635	17.20	—	91436	4.30	3.00
59790	.098	(a)	61212	10.90	—	68001	52.60	—	91481	15.70	—
59798	.193	.50	61216	12.10	—	68439	67.60	—	91507	2.31	4.47
59806	.138	(a)	61217	11.00	—	68500	3.61	—	91523	35.70	—
59867	.11	(a)	61218	7.52	—	68604	1.26	—	91547	.203	—
59886	.015	.108	61223	53.50	—	68606	4.94	—	91551	1.26	.86
59889	.063	.165	61224	17.00	—	68607	3.90	—	91555	.70	1.25
59892	.074	(a)	61225	23.70	—	68702	3.21	—	91560	3.45	5.39
59904	.05	.061	61226	39.80	—	68703	2.41	—	91562	2.79	—
59905	.069	.132	61227	36.40	—	68706	10.30	—	91577	10.00	4.15
59914	.40	.68	62000	8.28	—	68707	10.20	—	91580	4.56	—
59915	.166	.75	62001	6.54	—	90089	3.64	—	91581	(a)	(a)
59917	.031	.205	62002	2.98	—	91111	1.51	7.85	91582	(a)	(a)
59923	.01	.004	62003	9.41	—	91125	2.19	2.16	91583	(a)	(a)
59925	.216	1.19	63010	29.50	—	91127	1.01	1.70	91584	(a)	(a)
59926	.183	.45	63011	36.90	—	91130	.97	—	91585	(a)	(a)
59927	.123	1.42	63012	52.50	—	91135	.27	(a)	91586	(a)	(a)
59931	.182	.55	63013	49.70	—	91150	.95	7.43	91587	(a)	(a)
59932	.196	.88	63215	31.10	—	91155	2.12	53.00	91588	(a)	(a)
59941	.061	(a)	63216	21.60	—	91160	.88	—	91589	(a)	(a)
59947	.05	.32	63217	25.00	—	91175	.75	—	91590	2.90	—
59955	.023	.143	63218	8.41	—	91177	3.31	—	91591	(a)	(a)
59963	.174	.41	63219	(a)	—	91179	3.32	—	91606	9.45	—

\$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	.97	—	97653	2.64	3.86	98426	2.13	(a)
91629	1.93	(a)	95358	(a)	—	97654	4.60	3.69	98427	2.08	—
91636	3.31	—	95410	3.73	3.68	97655	3.63	6.66	98428	(a)	—
91641	.90	(a)	95455	4.00	1.65	98002	.65	1.26	98429	.86	—
91666	.78	(a)	95487	2.00	(a)	98003	.82	(a)	98430	(a)	—
91722	2.90	(a)	95505	1.86	2.93	98090	.111	—	98449	2.98	37.60
91746	2.79	6.60	95620	1.63	(a)	98091	.12	—	98482	3.20	9.23
91805	.175	—	95625	4.28	4.91	98092	.37	—	98483	4.73	27.70
92053	.44	.68	95630	(a)	(a)	98111	.30	—	98502	4.53	5.11
92054	.149	.28	95647	1.41	7.97	98150	(a)	—	98555	2.11	—
92055	4.15	.28	95648	(a)	(a)	98151	(a)	—	98597	.48	—
92101	6.48	3.97	96053	1.07	6.19	98152	2.21	.88	98598	.163	—
92102	3.90	4.62	96317	1.00	—	98153	2.49	(a)	98601	5.42	(a)
92215	1.67	3.87	96408	3.23	19.30	98154	2.93	(a)	98622	(a)	—
92338	1.50	2.87	96409	2.98	13.10	98155	4.10	(a)	98623	(a)	—
92445	1.90	—	96410	2.62	12.00	98156	(a)	(a)	98624	.85	—
92446	4.94	2.20	96611	.91	2.04	98157	2.63	.59	98636	1.43	4.41
92447	4.31	2.21	96702	3.72	(a)	98158	(a)	(a)	98640	93.50	—
92451	1.17	2.75	96703	(a)	—	98159	1.76	(a)	98658	4.24	—
92453	2.73	—	96816	3.49	—	98160	3.73	(a)	98659	.76	.46
92478	1.35	2.26	96872	3.56	(a)	98161	4.17	(a)	98677	14.80	13.80
92593	15.30	—	96930	(a)	—	98162	(a)	(a)	98678	13.10	19.90
92663	.45	—	97002	(a)	(a)	98163	4.38	.26	98698	(a)	(a)
94007	9.26	7.23	97003	(a)	(a)	98164	.98	.084	98699	4.25	(a)
94099	2.11	—	97047	2.75	—	98257	1.24	—	98705	6.01	—
94225	7.42	—	97050	2.14	—	98303	8.25	10.40	98710	2.96	—
94276	3.86	6.03	97111	4.46	—	98304	4.61	4.43	98751	3.21	—
94304	1.49	(a)	97220	.26	(a)	98305	2.21	2.61	98805	3.86	1.73
94381	2.79	17.20	97221	(a)	1.42	98306	5.70	1.23	98806	1.34	4.29
94404	3.66	7.00	97222	.77	2.31	98307	1.46	.63	98810	3.12	—
94444	(a)	(a)	97223	1.17	5.45	98308	.96	1.51	98813	3.01	2.52
94569	2.48	4.86	97308	.49	—	98309	4.14	2.79	98820	7.37	4.47
94590	10.70	—	97447	1.59	6.71	98344	.61	.92	98871	(a)	(a)
94617	3.36	—	97501	(a)	—	98405	1.02	—	98884	1.92	2.40
94638	(a)	—	97502	(a)	—	98413	12.10	(a)	98914	.52	.69
95124	1.24	1.13	97503	(a)	—	98414	11.10	(a)	98949	.72	.35
95233	2.67	—	97504	(a)	—	98415	1.46	(a)	98967	3.01	14.80
95305	2.89	—	97650	3.08	5.13	98423	3.47	(a)	98993	2.74	5.59
95306	3.80	—	97651	4.70	4.96	98424	5.89	(a)	99003	1.44	2.01
95310	6.91	1.55	97652	4.07	5.18	98425	2.42	(a)	99004	2.51	2.21

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.01	10.50	99826	.61	.75						
99081	(a)	—	99827	.37	.67						
99082	(a)	—	99851	1.49	—						
99083	(a)	—	99917	2.41	—						
99084	(a)	(a)	99938	2.71	—						
99085	(a)	(a)	99943	7.84	—						
99111	1.48	—	99946	5.84	3.54						
99160	(a)	—	99948	3.30	35.10						
99163	3.51	.53	99952	4.58	27.60						
99165	.77	(a)	99953	4.94	16.50						
99220	1.14	(a)	99954	3.60	14.50						
99221	(a)	(a)	99955	4.50	10.30						
99222	2.14	(a)	99963	.58	—						
99223	.216	(a)	99969	2.07	3.75						
99303	11.80	—	99975	3.99	—						
99310	2.94	(a)	99986	(a)	—						
99315	8.66	2.51	99987	(a)	—						
99321	8.40	3.15	99988	1.83	—						
99445	(a)	(a)									
99471	.52	—									
99505	2.32	—									
99506	2.85	—									
99507	2.49	—									
99570	1.34	(a)									
99571	.33	(a)									
99572	.63	(a)									
99573	.60	(a)									
99600	1.09	—									
99613	7.44	2.78									
99614	2.43	—									
99620	.41	—									
99650	.63	1.27									
99709	1.56	(a)									
99718	1.19	—									
99746	2.01	4.07									
99760	.23	—									
99777	5.41	—									
99793	2.56	—									
99798	(a)	(a)									
99803	(a)	14.70									

\$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	.092	.195	10205	.183	—	11210	1.86	—	13207	(a)	(a)
10015	3.94	—	10220	3.45	—	11211	9.65	—	13208	(a)	(a)
10020	(a)	(a)	10255	.132	.147	11212	1.46	—	13314	.088	.016
10026	.47	.022	10256	.48	.152	11213	1.19	—	13351	.214	.064
10036	.36	(a)	10257	.091	.169	11214	2.93	—	13352	.217	.05
10040	.07	.30	10309	.118	.018	11222	.049	—	13410	.76	2.99
10042	.27	.51	10315	.28	(a)	11234	.206	.067	13411	(a)	(a)
10052	2.73	—	10331	5.34	—	11248	.025	.018	13412	.26	1.14
10054	2.42	—	10332	9.22	—	11258	.57	.174	13453	.30	(a)
10060	.13	.103	10352	.27	.067	11259	.61	.136	13454	.35	(a)
10065	.195	.032	10367	2.48	—	11273	10.20	—	13455	.35	(a)
10066	.198	.07	10368	3.63	—	11274	9.80	—	13461	(a)	(a)
10070	.053	.154	10375	(a)	—	11288	.69	.096	13506	.67	.09
10071	.233	.144	10378	5.41	—	12014	.054	.041	13507	.81	.218
10072	2.81	—	10379	2.51	—	12356	.87	.029	13590	.26	.74
10073	.55	.62	10380	4.29	—	12361	.034	.077	13621	.066	.32
10075	4.12	.241	10381	3.71	—	12362	.058	(a)	13670	.019	.015
10100	.47	.054	11007	1.06	—	12373	.022	.024	13673	.43	.017
10101	.175	.181	11020	.221	.181	12374	.45	.065	13715	.058	.165
10105	1.90	—	11039	.48	.078	12375	.221	.049	13716	.33	.149
10107	1.70	.30	11052	2.46	—	12391	.043	.082	13720	.242	.056
10110	13.40	—	11101	(a)	(a)	12393	.29	(a)	13759	.13	.159
10111	.115	.078	11120	(a)	—	12467	.122	(a)	13930	.123	.201
10113	.26	—	11126	.046	.022	12509	.033	.036	14068	.029	.014
10115	.52	.085	11127	.29	.01	12510	.42	.028	14101	.34	.048
10117	3.91	—	11128	.40	.093	12583	.186	(a)	14279	.25	.077
10119	(a)	—	11138	1.34	—	12651	.54	.53	14401	.57	.127
10120	8.78	—	11155	.156	—	12683	.248	(a)	14405	.62	—
10130	2.59	—	11160	(a)	(a)	12707	.38	.64	14527	.236	.189
10132	2.23	—	11167	.57	—	12797	.08	.196	14655	.065	—
10133	2.36	—	11168	2.94	—	12805	.236	.165	14731	2.44	—
10135	(a)	—	11201	9.24	—	12841	.39	—	14732	.18	—
10140	.015	.021	11202	2.73	—	12927	.069	—	14733	.45	—
10141	.031	.023	11203	.68	.52	13049	.018	.057	14734	.195	—
10145	.149	.009	11204	.229	1.90	13111	.52	.093	14855	.116	.154
10146	.21	.016	11205	(a)	—	13112	.029	.063	14913	.244	.203
10150	.36	(a)	11206	.43	—	13201	.48	.16	15060	(a)	(a)
10151	9.12	—	11207	5.42	—	13204	.54	1.45	15061	(a)	(a)
10160	1.62	—	11208	.93	—	13205	.209	.46	15062	.104	(a)
10204	.164	—	11209	4.36	—	13206	(a)	(a)	15063	.122	(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	.083	—	16750	.076	.032	18707	.009	.004	40117	(a)	—
15119	(a)	—	16751	.076	—	18708	.084	.022	40140	(a)	—
15120	(a)	—	16819	.63	(a)	18833	.104	(a)	41001	.147	—
15123	2.36	—	16820	.49	(a)	18834	.217	.137	41210	(a)	—
15124	.82	—	16881	1.19	(a)	18911	.69	.023	41421	.35	—
15188	.184	(a)	16890	.074	(a)	18912	1.29	.039	41422	.188	—
15223	.022	.041	16891	.081	(a)	18920	.34	.022	41510	34.50	—
15224	.26	.068	16892	.147	(a)	18991	(a)	—	41603	16.70	—
15300	(a)	—	16900	1.41	.107	19007	.92	—	41604	9.15	—
15314	.156	(a)	16901	.90	.14	19051	2.04	—	41620	.77	—
15404	.048	(a)	16902	.76	.058	19061	(a)	—	41650	23.50	—
15405	.07	(a)	16905	1.48	.107	19795	.225	(a)	41664	18.60	—
15406	.178	.048	16906	.94	.14	19796	.26	—	41665	2.18	—
15488	.45	(a)	16910	.84	.07	40005	(a)	—	41666	(a)	—
15538	.28	.018	16911	.76	.067	40006	(a)	—	41667	50.80	—
15600	.70	.11	16915	.87	.059	40010	(a)	—	41668	47.70	—
15607	.109	—	16916	.72	.066	40015	(a)	—	41669	.33	—
15608	.156	.011	16920	1.92	.128	40020	(a)	—	41670	.56	—
15656	4.62	—	16921	1.75	.05	40026	(a)	—	41672	(a)	—
15699	.27	—	16930	1.10	.20	40031	(a)	—	41673	(a)	—
15733	.116	.037	16931	1.19	.087	40032	(a)	—	41675	(a)	—
15839	.21	.032	16940	2.39	.051	40040	(a)	—	41677	.159	—
15991	.172	.088	16941	.96	.102	40041	(a)	—	41678	45.00	—
15993	.145	.063	18078	.105	.14	40042	(a)	—	41679	(a)	(a)
16005	.031	.034	18109	.29	.032	40045	123.00	—	41680	12.20	—
16009	.143	.094	18110	.229	.046	40046	24.30	—	41696	.51	—
16402	1.04	—	18200	(a)	—	40047	8.66	—	41697	.35	—
16403	.66	.208	18205	.161	.35	40059	3.10	—	41700	(a)	—
16404	.83	—	18206	.37	.132	40061	1.64	—	41715	7.74	—
16471	.154	—	18335	.27	.02	40063	55.00	—	41716	4.93	—
16501	.065	(a)	18435	.50	.077	40064	16.20	—	43007	(a)	—
16527	.10	.35	18436	.40	.186	40066	(a)	—	43117	(a)	—
16588	.066	(a)	18437	.38	(a)	40067	(a)	—	43151	10.20	—
16604	.111	.146	18438	.73	(a)	40069	(a)	—	43152	13.50	—
16670	2.22	—	18501	.46	.014	40072	(a)	—	43200	38.90	—
16676	.217	.014	18506	.232	.006	40075	20.50	—	43215	(a)	—
16694	.219	(a)	18507	.137	.01	40101	12.00	—	43421	10.70	—
16705	.185	.148	18570	1.43	—	40102	10.60	—	43422	55.90	—
16722	(a)	—	18575	(a)	(a)	40111	4.36	—	43424	(a)	—
16723	(a)	—	18616	.177	.59	40115	(a)	—	43470	2.94	—

\$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	33.80	—	46004	22.30	—	47471	3.05	—
43518	7.98	—	44280	.159	—	46005	17.80	—	47473	3.99	—
43550	38.00	—	44311	4.12	—	46112	.047	—	47474	4.46	—
43551	21.10	—	44315	2.77	—	46202	1.66	—	47475	3.52	—
43626	6.37	—	44427	43.50	—	46362	157.00	—	47476	3.52	—
43628	82.80	—	44428	43.70	—	46426	23.00	—	47477	4.69	—
43629	70.20	—	44429	.66	—	46427	30.70	—	47478	4.93	—
43754	(a)	—	44430	.46	—	46510	(a)	—	47600	(a)	—
43760	2.34	—	44431	1.46	—	46590	(a)	—	47610	(a)	—
43822	2.32	—	44432	.46	—	46603	1.93	—	48039	27.60	—
43840	.029	—	44433	14.70	—	46604	2.22	—	48177	(a)	—
43860	1.84	—	44434	28.10	—	46606	5.93	—	48178	(a)	—
43889	.66	—	44435	29.10	—	46607	8.15	—	48206	16.90	—
43945	(a)	—	44436	34.00	—	46622	6.84	—	48252	(a)	—
43946	(a)	—	44437	28.20	—	46671	(a)	—	48441	.071	—
43990	(a)	(a)	44438	22.30	—	46700	78.20	—	48557	7.08	—
43991	(a)	—	44439	43.40	—	46773	(a)	—	48558	6.16	—
44009	2.87	—	44440	35.90	—	46822	(a)	—	48600	45.90	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	6.81	—	44501	(a)	—	46882	(a)	—	48636	.97	(a)
44070	2.02	—	45190	1.30	—	46911	12.60	—	48637	5.41	—
44071	2.24	—	45191	.93	—	46912	23.10	—	48638	2.69	—
44072	1.55	—	45192	1.08	—	46913	(a)	—	48727	(a)	—
44100	3.43	—	45193	.64	—	46914	(a)	—	48808	1.18	—
44101	3.57	—	45210	.81	—	46915	(a)	—	48924	(a)	—
44102	2.79	—	45224	(a)	—	46916	(a)	—	48925	129.00	—
44103	2.47	—	45225	(a)	—	47050	.63	—	49005	.109	—
44104	1.04	—	45334	22.40	—	47051	(a)	—	49111	1.81	—
44105	(a)	—	45380	.136	(a)	47052	(a)	—	49181	9.01	—
44106	(a)	—	45450	6.59	—	47103	(a)	—	49183	11.00	—
44108	1.21	—	45523	(a)	—	47146	(a)	—	49184	23.20	—
44109	3.07	—	45524	(a)	—	47147	(a)	—	49185	21.10	—
44110	3.14	—	45539	(a)	—	47221	85.80	—	49239	.102	.60
44111	1.93	—	45678	.173	—	47253	(a)	—	49292	.66	—
44112	1.14	—	45771	.207	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.067	.072	47318	5.18	—	49333	4.83	—
44193	(a)	—	45900	.08	.048	47367	.159	—	49451	(a)	—
44194	(a)	—	45901	.069	.049	47420	1.14	—	49452	(a)	—
44222	(a)	—	45937	.088	—	47468	(a)	—	49617	.194	.246
44276	52.20	—	45993	(a)	(a)	47469	3.52	—	49618	.163	.081

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	.31	.154	51315	.066	.106	51809	.235	.153	52341	.028	(a)
49763	1.99	—	51330	.06	.53	51833	.10	.06	52342	.081	(a)
49800	(a)	—	51333	.02	.34	51850	.145	(a)	52343	.05	(a)
49801	75.60	—	51340	.023	(a)	51851	.098	(a)	52401	.153	(a)
49802	6.70	—	51350	.154	.135	51852	.23	(a)	52402	.013	(a)
49803	11.90	—	51351	.138	.042	51853	.093	(a)	52432	.063	(a)
49840	.66	—	51352	.189	.108	51854	.208	(a)	52433	.058	1.02
49870	54.10	—	51355	.129	.094	51855	.218	(a)	52435	.073	(a)
49890	(a)	—	51356	.139	.62	51856	.12	(a)	52438	.052	(a)
49891	(a)	—	51357	.094	.66	51857	.205	(a)	52440	.082	(a)
49902	(a)	—	51358	.226	.141	51869	.063	.136	52467	.076	(a)
49903	(a)	—	51359	.198	.78	51877	.35	.212	52469	.027	.104
50010	.137	.49	51370	.27	4.57	51889	.058	.012	52505	.133	.216
50015	.089	(a)	51380	.027	.044	51896	.027	.018	52547	.133	.078
50017	.068	(a)	51400	.14	(a)	51900	.074	.095	52581	.65	2.95
50045	.155	(a)	51401	.207	(a)	51909	.131	.056	52619	.045	(a)
50047	.017	(a)	51500	.052	.119	51919	.059	(a)	52660	.057	—
51001	.034	.45	51516	.048	—	51926	.06	.038	52744	.38	.081
51005	.007	(a)	51517	.054	—	51927	.032	.131	52767	.122	(a)
51116	.085	.69	51550	.064	.39	51934	.066	.125	52876	(a)	(a)
51201	.023	(a)	51551	.022	.91	51941	.06	.041	52911	.036	.45
51205	.071	.071	51552	.039	.159	51942	.095	—	52967	.014	.062
51206	.011	.39	51553	.069	(a)	51956	.26	.221	53001	.133	.33
51210	.059	(a)	51554	.007	(a)	51957	.226	.42	53077	.064	.207
51211	(a)	(a)	51575	.041	.02	51958	.201	.41	53095	.044	(a)
51220	.202	2.28	51576	.123	.093	51959	.206	(a)	53096	.061	(a)
51221	.112	1.78	51600	.084	.191	51960	.027	.35	53121	.173	.44
51222	.136	3.67	51613	.055	.139	51970	.118	.238	53147	.021	(a)
51224	.143	1.45	51625	.031	(a)	51982	.035	.083	53229	.115	(a)
51230	.024	.79	51666	.065	.101	51985	.045	—	53271	.033	(a)
51240	.28	.185	51702	.093	(a)	51986	.137	.103	53333	.113	.239
51241	.84	.26	51703	.038	(a)	51999	.058	.44	53374	.101	.31
51250	.155	(a)	51734	.072	.31	52002	.051	.129	53375	.053	.223
51251	.024	(a)	51741	.146	.26	52075	.114	.243	53376	.085	.194
51252	.085	.10	51752	.123	.165	52076	.137	(a)	53377	.087	.195
51253	.072	(a)	51767	.019	.008	52109	.013	(a)	53403	.055	(a)
51254	.023	.039	51777	.066	.078	52134	.169	.63	53425	.107	(a)
51255	.39	(a)	51790	.111	(a)	52137	.045	(a)	53565	.064	.108
51300	.091	.16	51796	.053	(a)	52150	.31	(a)	53631	.02	.022
51305	.091	.96	51808	.189	.73	52315	.086	.26	53632	.023	.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	.021	(a)	56170	.105	(a)	57401	.042	.096	58503	.051	.076
53732	.145	.45	56171	.051	(a)	57403	.136	.035	58532	.065	(a)
53733	.094	.27	56202	.048	.089	57410	.02	.162	58559	.013	(a)
53734	.29	—	56390	.085	.64	57411	.026	(a)	58560	.032	(a)
53803	.25	(a)	56391	.073	.32	57572	.012	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.117	.125	57600	.036	.034	58575	.041	.12
53902	(a)	(a)	56488	.111	.034	57611	.056	.062	58627	.133	.013
53903	(a)	(a)	56567	.108	(a)	57625	.31	(a)	58663	.24	1.28
53904	(a)	(a)	56650	.33	(a)	57651	.038	.041	58682	.118	(a)
53905	(a)	(a)	56651	.18	(a)	57690	.073	.49	58713	.042	(a)
53907	.064	.103	56652	.129	(a)	57716	.035	.082	58737	.086	.63
53951	(a)	(a)	56653	.124	(a)	57725	.076	.088	58756	.045	(a)
53952	(a)	(a)	56654	.064	(a)	57726	.059	.021	58757	.29	(a)
53953	(a)	(a)	56690	.057	.35	57798	.019	(a)	58759	.036	(a)
54012	.029	—	56699	.054	.057	57800	.072	(a)	58802	.041	.48
54077	.087	.40	56758	.046	.148	57808	.029	(a)	58813	.11	(a)
54444	(a)	(a)	56759	.047	.08	57809	.03	(a)	58822	.111	(a)
55010	.26	1.08	56760	.067	.098	57810	.029	.107	58837	.222	.162
55011	.071	1.57	56805	.088	(a)	57871	.035	.118	58840	.066	.127
55012	.085	1.18	56806	.063	(a)	57913	.093	.29	58873	.106	.03
55013	.096	1.14	56807	.062	(a)	57997	.064	—	58903	.026	(a)
55014	(a)	(a)	56808	.081	(a)	57998	.041	.058	58904	.02	.128
55214	.069	.088	56900	.078	(a)	57999	.048	.071	58922	.176	.168
55371	.26	.119	56910	.039	(a)	58009	.048	(a)	59005	.048	.096
55410	(a)	(a)	56911	.093	(a)	58010	.096	(a)	59057	.36	(a)
55426	.117	(a)	56912	.076	.09	58020	.146	(a)	59058	.232	(a)
55597	.017	1.79	56913	.062	(a)	58056	.114	(a)	59188	.29	.055
55647	.034	.062	56915	.37	(a)	58057	.072	(a)	59189	.40	.30
55648	.015	(a)	56916	.33	.205	58058	.065	(a)	59223	.109	.088
55649	.018	(a)	56917	.095	(a)	58095	.091	1.99	59257	.013	.013
55715	.136	.224	56918	.046	(a)	58096	.121	1.23	59306	.082	(a)
55716	.197	.52	56919	.117	(a)	58301	.036	.088	59378	.071	.15
55717	.154	(a)	56920	.107	(a)	58302	.033	.055	59481	.22	.099
55718	.15	(a)	56980	.067	(a)	58397	.189	.74	59482	.30	(a)
55802	.066	.009	57001	.023	.027	58408	.038	—	59537	.077	.21
55918	.078	2.74	57002	.015	.106	58409	.048	—	59601	.083	2.37
55919	.011	3.65	57090	.171	.66	58456	.026	—	59647	.135	.17
56040	.007	.033	57146	.108	.72	58457	.037	—	59660	.153	1.18
56041	.048	(a)	57202	.06	(a)	58458	.048	—	59661	.075	(a)
56042	.061	(a)	57257	.074	.035	58459	.058	—	59693	.013	—

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	.38	.069	63220	(a)	—	91190	1.78	(a)
59701	.006	.29	59970	.065	.183	64074	9.20	—	91200	.55	—
59713	.136	.31	59973	.104	(a)	64075	6.48	—	91210	(a)	—
59722	.071	.031	59975	.092	.227	64500	(a)	—	91235	1.17	3.71
59723	.027	.037	59977	.052	(a)	65007	24.40	—	91250	1.75	(a)
59724	.041	.019	59984	.029	.053	66122	10.50	—	91265	11.80	3.10
59725	.051	.116	59985	.112	(a)	66123	5.78	—	91266	6.24	1.39
59726	.037	.024	59986	.085	(a)	66309	16.90	—	91280	(a)	3.78
59738	.118	.064	59988	.023	.059	66561	39.10	—	91302	8.97	(a)
59750	.057	.222	59989	.015	.044	67017	36.30	—	91315	2.73	—
59751	.021	(a)	60010	14.80	—	67508	28.20	—	91324	6.06	(a)
59773	.017	.028	60011	17.00	—	67509	20.70	—	91325	(a)	(a)
59774	.014	.15	60012	27.90	—	67510	11.50	—	91340	3.95	12.30
59775	.018	.188	60013	23.90	—	67511	12.40	—	91341	3.80	6.39
59781	.05	.068	60015	17.90	—	67512	53.30	—	91342	3.63	4.94
59782	.074	.46	60016	20.10	—	67513	33.80	—	91343	.84	1.86
59783	.072	(a)	60035	27.60	—	67634	31.40	—	91405	4.61	—
59784	.055	(a)	61000	14.60	—	67635	22.20	—	91436	4.30	3.00
59790	.091	(a)	61212	14.10	—	68001	67.90	—	91481	15.70	—
59798	.188	.50	61216	15.60	—	68439	87.30	—	91507	2.31	4.47
59806	.135	(a)	61217	14.30	—	68500	3.25	—	91523	35.70	—
59867	.102	(a)	61218	9.69	—	68604	1.63	—	91547	.203	—
59886	.014	.108	61223	69.00	—	68606	6.37	—	91551	1.26	.86
59889	.056	.165	61224	22.00	—	68607	5.04	—	91555	.70	1.25
59892	.072	(a)	61225	30.50	—	68702	4.15	—	91560	3.45	5.39
59904	.049	.061	61226	51.40	—	68703	3.11	—	91562	2.79	—
59905	.064	.132	61227	47.00	—	68706	13.30	—	91577	10.00	4.15
59914	.38	.68	62000	10.70	—	68707	13.20	—	91580	4.56	—
59915	.162	.75	62001	8.45	—	90089	3.64	—	91581	(a)	(a)
59917	.03	.205	62002	3.85	—	91111	1.51	7.85	91582	(a)	(a)
59923	.009	.004	62003	12.20	—	91125	2.19	2.16	91583	(a)	(a)
59925	.203	1.19	63010	26.60	—	91127	1.01	1.70	91584	(a)	(a)
59926	.173	.45	63011	33.20	—	91130	.97	—	91585	(a)	(a)
59927	.116	1.42	63012	47.20	—	91135	.27	(a)	91586	(a)	(a)
59931	.169	.55	63013	44.70	—	91150	.95	7.43	91587	(a)	(a)
59932	.182	.88	63215	40.20	—	91155	2.12	53.00	91588	(a)	(a)
59941	.057	(a)	63216	27.90	—	91160	.88	—	91589	(a)	(a)
59947	.049	.32	63217	24.70	—	91175	.75	—	91590	2.90	—
59955	.022	.143	63218	8.31	—	91177	3.31	—	91591	(a)	(a)
59963	.162	.41	63219	(a)	—	91179	3.32	—	91606	9.45	—

\$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	.97	—	97653	2.64	3.86	98426	2.13	(a)
91629	1.93	(a)	95358	(a)	—	97654	4.60	3.69	98427	2.08	—
91636	3.31	—	95410	3.73	3.68	97655	3.63	6.66	98428	(a)	—
91641	.90	(a)	95455	4.00	1.65	98002	.65	1.26	98429	.86	—
91666	.78	(a)	95487	2.00	(a)	98003	.82	(a)	98430	(a)	—
91722	2.90	(a)	95505	1.86	2.93	98090	.111	—	98449	2.98	37.60
91746	2.79	6.60	95620	1.63	(a)	98091	.12	—	98482	3.20	9.23
91805	.175	—	95625	4.28	4.91	98092	.37	—	98483	4.73	27.70
92053	.44	.68	95630	(a)	(a)	98111	.30	—	98502	4.53	5.11
92054	.149	.28	95647	1.41	7.97	98150	(a)	—	98555	2.11	—
92055	4.15	.28	95648	(a)	(a)	98151	(a)	—	98597	.48	—
92101	6.48	3.97	96053	1.07	6.19	98152	2.21	.88	98598	.163	—
92102	3.90	4.62	96317	1.00	—	98153	2.49	(a)	98601	5.42	(a)
92215	1.67	3.87	96408	3.23	19.30	98154	2.93	(a)	98622	(a)	—
92338	1.50	2.87	96409	2.98	13.10	98155	4.10	(a)	98623	(a)	—
92445	1.90	—	96410	2.62	12.00	98156	(a)	(a)	98624	.85	—
92446	4.94	2.20	96611	.91	2.04	98157	2.63	.59	98636	1.43	4.41
92447	4.31	2.21	96702	3.72	(a)	98158	(a)	(a)	98640	93.50	—
92451	1.17	2.75	96703	(a)	—	98159	1.76	(a)	98658	4.24	—
92453	2.73	—	96816	3.49	—	98160	3.73	(a)	98659	.76	.46
92478	1.35	2.26	96872	3.56	(a)	98161	4.17	(a)	98677	14.80	13.80
92593	15.30	—	96930	(a)	—	98162	(a)	(a)	98678	13.10	19.90
92663	.45	—	97002	(a)	(a)	98163	4.38	.26	98698	(a)	(a)
94007	9.26	7.23	97003	(a)	(a)	98164	.98	.084	98699	4.25	(a)
94099	2.11	—	97047	2.75	—	98257	1.24	—	98705	6.01	—
94225	7.42	—	97050	2.14	—	98303	8.25	10.40	98710	2.96	—
94276	3.86	6.03	97111	4.46	—	98304	4.61	4.43	98751	3.21	—
94304	1.49	(a)	97220	.26	(a)	98305	2.21	2.61	98805	3.86	1.73
94381	2.79	17.20	97221	(a)	1.42	98306	5.70	1.23	98806	1.34	4.29
94404	3.66	7.00	97222	.77	2.31	98307	1.46	.63	98810	3.12	—
94444	(a)	(a)	97223	1.17	5.45	98308	.96	1.51	98813	3.01	2.52
94569	2.48	4.86	97308	.49	—	98309	4.14	2.79	98820	7.37	4.47
94590	10.70	—	97447	1.59	6.71	98344	.61	.92	98871	(a)	(a)
94617	3.36	—	97501	(a)	—	98405	1.02	—	98884	1.92	2.40
94638	(a)	—	97502	(a)	—	98413	12.10	(a)	98914	.52	.69
95124	1.24	1.13	97503	(a)	—	98414	11.10	(a)	98949	.72	.35
95233	2.67	—	97504	(a)	—	98415	1.46	(a)	98967	3.01	14.80
95305	2.89	—	97650	3.08	5.13	98423	3.47	(a)	98993	2.74	5.59
95306	3.80	—	97651	4.70	4.96	98424	5.89	(a)	99003	1.44	2.01
95310	6.91	1.55	97652	4.07	5.18	98425	2.42	(a)	99004	2.51	2.21

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.01	10.50	99826	.61	.75						
99081	(a)	—	99827	.37	.67						
99082	(a)	—	99851	1.49	—						
99083	(a)	—	99917	2.41	—						
99084	(a)	(a)	99938	2.71	—						
99085	(a)	(a)	99943	7.84	—						
99111	1.48	—	99946	5.84	3.54						
99160	(a)	—	99948	3.30	35.10						
99163	3.51	.53	99952	4.58	27.60						
99165	.77	(a)	99953	4.94	16.50						
99220	1.14	(a)	99954	3.60	14.50						
99221	(a)	(a)	99955	4.50	10.30						
99222	2.14	(a)	99963	.58	—						
99223	.216	(a)	99969	2.07	3.75						
99303	11.80	—	99975	3.99	—						
99310	2.94	(a)	99986	(a)	—						
99315	8.66	2.51	99987	(a)	—						
99321	8.40	3.15	99988	1.83	—						
99445	(a)	(a)									
99471	.52	—									
99505	2.32	—									
99506	2.85	—									
99507	2.49	—									
99570	1.34	(a)									
99571	.33	(a)									
99572	.63	(a)									
99573	.60	(a)									
99600	1.09	—									
99613	7.44	2.78									
99614	2.43	—									
99620	.41	—									
99650	.63	1.27									
99709	1.56	(a)									
99718	1.19	—									
99746	2.01	4.07									
99760	.23	—									
99777	5.41	—									
99793	2.56	—									
99798	(a)	(a)									
99803	(a)	14.70									

\$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	.06	.195	10205	.119	—	11210	1.63	—	13207	(a)	(a)
10015	4.97	—	10220	2.24	—	11211	8.45	—	13208	(a)	(a)
10020	(a)	(a)	10255	.155	.147	11212	1.28	—	13314	.057	.016
10026	.31	.022	10256	.57	.152	11213	1.04	—	13351	.139	.064
10036	.42	(a)	10257	.107	.169	11214	2.57	—	13352	.141	.05
10040	.046	.30	10309	.077	.018	11222	.043	—	13410	.89	2.99
10042	.176	.51	10315	.181	(a)	11234	.134	.067	13411	(a)	(a)
10052	3.44	—	10331	6.74	—	11248	.029	.018	13412	.30	1.14
10054	3.05	—	10332	11.60	—	11258	.52	.174	13453	.35	(a)
10060	.084	.103	10352	.25	.067	11259	.55	.136	13454	.40	(a)
10065	.126	.032	10367	2.18	—	11273	6.62	—	13455	.41	(a)
10066	.129	.07	10368	3.18	—	11274	6.36	—	13461	(a)	(a)
10070	.034	.154	10375	(a)	—	11288	.63	.096	13506	.44	.09
10071	.151	.144	10378	6.82	—	12014	.063	.041	13507	.52	.218
10072	2.46	—	10379	3.17	—	12356	.56	.029	13590	.31	.74
10073	.65	.62	10380	5.41	—	12361	.042	.077	13621	.077	.32
10075	4.82	.241	10381	4.68	—	12362	.038	(a)	13670	.023	.015
10100	.43	.054	11007	.93	—	12373	.014	.024	13673	.39	.017
10101	.114	.181	11020	.143	.181	12374	.29	.065	13715	.038	.165
10105	1.23	—	11039	.56	.078	12375	.143	.049	13716	.215	.149
10107	1.98	.30	11052	2.42	—	12391	.028	.082	13720	.221	.056
10110	16.90	—	11101	(a)	(a)	12393	.19	(a)	13759	.084	.159
10111	.075	.078	11120	(a)	—	12467	.079	(a)	13930	.08	.201
10113	.171	—	11126	.03	.022	12509	.039	.036	14068	.019	.014
10115	.34	.085	11127	.191	.01	12510	.49	.028	14101	.218	.048
10117	4.94	—	11128	.26	.093	12583	.218	(a)	14279	.30	.077
10119	(a)	—	11138	1.68	—	12651	.64	.53	14401	.52	.127
10120	11.10	—	11155	.101	—	12683	.29	(a)	14405	.54	—
10130	1.68	—	11160	(a)	(a)	12707	.247	.64	14527	.153	.189
10132	1.45	—	11167	.56	—	12797	.052	.196	14655	.042	—
10133	2.32	—	11168	2.89	—	12805	.153	.165	14731	2.40	—
10135	(a)	—	11201	8.10	—	12841	.25	—	14732	.177	—
10140	.019	.021	11202	2.40	—	12927	.045	—	14733	.29	—
10141	.038	.023	11203	.44	.52	13049	.022	.057	14734	.126	—
10145	.184	.009	11204	.148	1.90	13111	.48	.093	14855	.136	.154
10146	.191	.016	11205	(a)	—	13112	.035	.063	14913	.158	.203
10150	.235	(a)	11206	.38	—	13201	.56	.16	15060	(a)	(a)
10151	5.92	—	11207	4.75	—	13204	.64	1.45	15061	(a)	(a)
10160	1.05	—	11208	.81	—	13205	.244	.46	15062	.122	(a)
10204	.106	—	11209	3.82	—	13206	(a)	(a)	15063	.142	(a)

\$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	.073	—	16750	.049	.032	18707	.006	.004	40117	(a)	—
15119	(a)	—	16751	.049	—	18708	.054	.022	40140	(a)	—
15120	(a)	—	16819	.74	(a)	18833	.067	(a)	41001	.185	—
15123	2.32	—	16820	.57	(a)	18834	.141	.137	41210	(a)	—
15124	.81	—	16881	.77	(a)	18911	.45	.023	41421	.42	—
15188	.215	(a)	16890	.087	(a)	18912	.84	.039	41422	.225	—
15223	.027	.041	16891	.094	(a)	18920	.218	.022	41510	22.40	—
15224	.233	.068	16892	.172	(a)	18991	(a)	—	41603	20.00	—
15300	(a)	—	16900	1.33	.107	19007	.91	—	41604	11.00	—
15314	.101	(a)	16901	.85	.14	19051	2.01	—	41620	.68	—
15404	.056	(a)	16902	.72	.058	19061	(a)	—	41650	28.20	—
15405	.082	(a)	16905	1.39	.107	19795	.146	(a)	41664	23.40	—
15406	.209	.048	16906	.89	.14	19796	.171	—	41665	2.75	—
15488	.52	(a)	16910	.80	.07	40005	(a)	—	41666	(a)	—
15538	.181	.018	16911	.72	.067	40006	(a)	—	41667	64.10	—
15600	.46	.11	16915	.82	.059	40010	(a)	—	41668	60.10	—
15607	.095	—	16916	.68	.066	40015	(a)	—	41669	.42	—
15608	.101	.011	16920	1.81	.128	40020	(a)	—	41670	.71	—
15656	3.00	—	16921	1.65	.05	40026	(a)	—	41672	(a)	—
15699	.236	—	16930	1.04	.20	40031	(a)	—	41673	(a)	—
15733	.136	.037	16931	1.12	.087	40032	(a)	—	41675	(a)	—
15839	.136	.032	16940	2.26	.051	40040	(a)	—	41677	.139	—
15991	.111	.088	16941	.90	.102	40041	(a)	—	41678	52.20	—
15993	.094	.063	18078	.068	.14	40042	(a)	—	41679	(a)	(a)
16005	.02	.034	18109	.186	.032	40045	155.00	—	41680	14.70	—
16009	.167	.094	18110	.148	.046	40046	30.60	—	41696	.44	—
16402	.67	—	18200	(a)	—	40047	10.90	—	41697	.31	—
16403	.43	.208	18205	.105	.35	40059	3.91	—	41700	(a)	—
16404	.54	—	18206	.24	.132	40061	2.07	—	41715	9.30	—
16471	.135	—	18335	.173	.02	40063	69.30	—	41716	5.92	—
16501	.042	(a)	18435	.45	.077	40064	20.40	—	43007	(a)	—
16527	.065	.35	18436	.37	.186	40066	(a)	—	43117	(a)	—
16588	.077	(a)	18437	.247	(a)	40067	(a)	—	43151	8.70	—
16604	.13	.146	18438	.47	(a)	40069	(a)	—	43152	15.60	—
16670	2.80	—	18501	.42	.014	40072	(a)	—	43200	33.10	—
16676	.141	.014	18506	.27	.006	40075	17.50	—	43215	(a)	—
16694	.26	(a)	18507	.089	.01	40101	28.40	—	43421	9.08	—
16705	.12	.148	18570	.93	—	40102	25.10	—	43422	47.60	—
16722	(a)	—	18575	(a)	(a)	40111	5.49	—	43424	(a)	—
16723	(a)	—	18616	.207	.59	40115	(a)	—	43470	2.58	—

\$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	28.80	—	46004	26.80	—	47471	3.66	—
43518	10.10	—	44280	.139	—	46005	21.40	—	47473	4.79	—
43550	32.40	—	44311	5.19	—	46112	.112	—	47474	5.35	—
43551	18.00	—	44315	3.49	—	46202	2.40	—	47475	4.23	—
43626	8.04	—	44427	103.00	—	46362	182.00	—	47476	4.23	—
43628	104.00	—	44428	103.00	—	46426	26.60	—	47477	5.64	—
43629	88.50	—	44429	1.55	—	46427	35.60	—	47478	5.92	—
43754	(a)	—	44430	1.08	—	46510	(a)	—	47600	(a)	—
43760	2.95	—	44431	3.44	—	46590	(a)	—	47610	(a)	—
43822	2.03	—	44432	1.09	—	46603	2.23	—	48039	23.50	—
43840	.025	—	44433	34.80	—	46604	2.58	—	48177	(a)	—
43860	1.62	—	44434	66.50	—	46606	6.87	—	48178	(a)	—
43889	.58	—	44435	68.80	—	46607	9.45	—	48206	21.30	—
43945	(a)	—	44436	80.40	—	46622	6.00	—	48252	(a)	—
43946	(a)	—	44437	66.60	—	46671	(a)	—	48441	.089	—
43990	(a)	(a)	44438	52.70	—	46700	66.60	—	48557	8.93	—
43991	(a)	—	44439	103.00	—	46773	(a)	—	48558	7.77	—
44009	2.83	—	44440	84.80	—	46822	(a)	—	48600	53.30	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	8.59	—	44501	(a)	—	46882	(a)	—	48636	.82	(a)
44070	2.54	—	45190	1.89	—	46911	15.90	—	48637	6.82	—
44071	2.83	—	45191	1.34	—	46912	29.10	—	48638	3.39	—
44072	1.95	—	45192	1.57	—	46913	(a)	—	48727	(a)	—
44100	3.89	—	45193	.92	—	46914	(a)	—	48808	.77	—
44101	4.05	—	45210	1.17	—	46915	(a)	—	48924	(a)	—
44102	3.16	—	45224	(a)	—	46916	(a)	—	48925	163.00	—
44103	2.79	—	45225	(a)	—	47050	.55	—	49005	.095	—
44104	1.17	—	45334	19.10	—	47051	(a)	—	49111	1.17	—
44105	(a)	—	45380	.159	(a)	47052	(a)	—	49181	7.68	—
44106	(a)	—	45450	5.62	—	47103	(a)	—	49183	9.36	—
44108	1.38	—	45523	(a)	—	47146	(a)	—	49184	19.70	—
44109	3.48	—	45524	(a)	—	47147	(a)	—	49185	18.00	—
44110	3.56	—	45539	(a)	—	47221	73.10	—	49239	.119	.60
44111	2.19	—	45678	.151	—	47253	(a)	—	49292	.56	—
44112	1.30	—	45771	.243	.164	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.079	.072	47318	6.54	—	49333	4.12	—
44193	(a)	—	45900	.052	.048	47367	.139	—	49451	(a)	—
44194	(a)	—	45901	.045	.049	47420	1.43	—	49452	(a)	—
44222	(a)	—	45937	.075	—	47468	(a)	—	49617	.191	.246
44276	44.50	—	45993	(a)	(a)	47469	4.23	—	49618	.16	.081

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	.30	.154	51315	.077	.106	51809	.127	.153	52341	.024	(a)
49763	1.96	—	51330	.051	.53	51833	.061	.06	52342	.069	(a)
49800	(a)	—	51333	.017	.34	51850	.123	(a)	52343	.042	(a)
49801	64.40	—	51340	.012	(a)	51851	.083	(a)	52401	.13	(a)
49802	5.71	—	51350	.094	.135	51852	.195	(a)	52402	.007	(a)
49803	10.10	—	51351	.085	.042	51853	.079	(a)	52432	.034	(a)
49840	.58	—	51352	.116	.108	51854	.176	(a)	52433	.031	1.02
49870	68.20	—	51355	.079	.094	51855	.185	(a)	52435	.039	(a)
49890	(a)	—	51356	.085	.62	51856	.102	(a)	52438	.028	(a)
49891	(a)	—	51357	.11	.66	51857	.174	(a)	52440	.044	(a)
49902	(a)	—	51358	.26	.141	51869	.034	.136	52467	.041	(a)
49903	(a)	—	51359	.232	.78	51877	.19	.212	52469	.014	.104
50010	.074	.49	51370	.148	4.57	51889	.031	.012	52505	.071	.216
50015	.048	(a)	51380	.015	.044	51896	.015	.018	52547	.113	.078
50017	.036	(a)	51400	.119	(a)	51900	.046	.095	52581	.35	2.95
50045	.083	(a)	51401	.175	(a)	51909	.111	.056	52619	.024	(a)
50047	.009	(a)	51500	.028	.119	51919	.032	(a)	52660	.05	—
51001	.029	.45	51516	.042	—	51926	.032	.038	52744	.234	.081
51005	.006	(a)	51517	.048	—	51927	.017	.131	52767	.103	(a)
51116	.072	.69	51550	.035	.39	51934	.035	.125	52876	(a)	(a)
51201	.013	(a)	51551	.012	.91	51941	.032	.041	52911	.019	.45
51205	.038	.071	51552	.021	.159	51942	.051	—	52967	.007	.062
51206	.006	.39	51553	.037	(a)	51956	.138	.221	53001	.072	.33
51210	.05	(a)	51554	.004	(a)	51957	.122	.42	53077	.034	.207
51211	(a)	(a)	51575	.025	.02	51958	.108	.41	53095	.024	(a)
51220	.171	2.28	51576	.066	.093	51959	.111	(a)	53096	.033	(a)
51221	.095	1.78	51600	.045	.191	51960	.015	.35	53121	.093	.44
51222	.116	3.67	51613	.03	.139	51970	.064	.238	53147	.017	(a)
51224	.121	1.45	51625	.026	(a)	51982	.019	.083	53229	.098	(a)
51230	.021	.79	51666	.04	.101	51985	.039	—	53271	.018	(a)
51240	.151	.185	51702	.079	(a)	51986	.074	.103	53333	.096	.239
51241	.45	.26	51703	.033	(a)	51999	.031	.44	53374	.062	.31
51250	.132	(a)	51734	.061	.31	52002	.027	.129	53375	.033	.223
51251	.013	(a)	51741	.079	.26	52075	.097	.243	53376	.052	.194
51252	.046	.10	51752	.066	.165	52076	.117	(a)	53377	.054	.195
51253	.039	(a)	51767	.012	.008	52109	.007	(a)	53403	.034	(a)
51254	.012	.039	51777	.041	.078	52134	.091	.63	53425	.091	(a)
51255	.33	(a)	51790	.068	(a)	52137	.038	(a)	53565	.04	.108
51300	.056	.16	51796	.029	(a)	52150	.168	(a)	53631	.011	.022
51305	.056	.96	51808	.102	.73	52315	.053	.26	53632	.012	.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	.011	(a)	56170	.089	(a)	57401	.023	.096	58503	.027	.076
53732	.078	.45	56171	.044	(a)	57403	.083	.035	58532	.035	(a)
53733	.051	.27	56202	.026	.089	57410	.011	.162	58559	.007	(a)
53734	.25	—	56390	.045	.64	57411	.022	(a)	58560	.017	(a)
53803	.216	(a)	56391	.039	.32	57572	.006	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.063	.125	57600	.019	.034	58575	.022	.12
53902	(a)	(a)	56488	.068	.034	57611	.048	.062	58627	.071	.013
53903	(a)	(a)	56567	.092	(a)	57625	.169	(a)	58663	.204	1.28
53904	(a)	(a)	56650	.28	(a)	57651	.02	.041	58682	.063	(a)
53905	(a)	(a)	56651	.153	(a)	57690	.062	.49	58713	.026	(a)
53907	.034	.103	56652	.11	(a)	57716	.029	.082	58737	.046	.63
53951	(a)	(a)	56653	.106	(a)	57725	.064	.088	58756	.038	(a)
53952	(a)	(a)	56654	.054	(a)	57726	.05	.021	58757	.155	(a)
53953	(a)	(a)	56690	.035	.35	57798	.01	(a)	58759	.019	(a)
54012	.025	—	56699	.029	.057	57800	.039	(a)	58802	.022	.48
54077	.047	.40	56758	.025	.148	57808	.025	(a)	58813	.094	(a)
54444	(a)	(a)	56759	.025	.08	57809	.025	(a)	58822	.06	(a)
55010	.141	1.08	56760	.036	.098	57810	.025	.107	58837	.188	.162
55011	.038	1.57	56805	.048	(a)	57871	.029	.118	58840	.056	.127
55012	.045	1.18	56806	.034	(a)	57913	.05	.29	58873	.09	.03
55013	.082	1.14	56807	.033	(a)	57997	.056	—	58903	.014	(a)
55014	(a)	(a)	56808	.044	(a)	57998	.022	.058	58904	.011	.128
55214	.037	.088	56900	.042	(a)	57999	.04	.071	58922	.149	.168
55371	.157	.119	56910	.021	(a)	58009	.04	(a)	59005	.026	.096
55410	(a)	(a)	56911	.079	(a)	58010	.052	(a)	59057	.193	(a)
55426	.099	(a)	56912	.064	.09	58020	.09	(a)	59058	.125	(a)
55597	.009	1.79	56913	.052	(a)	58056	.062	(a)	59188	.178	.055
55647	.018	.062	56915	.31	(a)	58057	.039	(a)	59189	.244	.30
55648	.008	(a)	56916	.28	.205	58058	.035	(a)	59223	.093	.088
55649	.01	(a)	56917	.081	(a)	58095	.049	1.99	59257	.007	.013
55715	.073	.224	56918	.039	(a)	58096	.065	1.23	59306	.044	(a)
55716	.106	.52	56919	.099	(a)	58301	.031	.088	59378	.06	.15
55717	.131	(a)	56920	.091	(a)	58302	.018	.055	59481	.118	.099
55718	.127	(a)	56980	.036	(a)	58397	.102	.74	59482	.185	(a)
55802	.041	.009	57001	.012	.027	58408	.033	—	59537	.065	.21
55918	.042	2.74	57002	.008	.106	58409	.042	—	59601	.045	2.37
55919	.006	3.65	57090	.145	.66	58456	.022	—	59647	.083	.17
56040	.004	.033	57146	.092	.72	58457	.033	—	59660	.082	1.18
56041	.026	(a)	57202	.032	(a)	58458	.042	—	59661	.04	(a)
56042	.033	(a)	57257	.04	.035	58459	.05	—	59693	.007	—

\$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	.204	.069	63220	(a)	—	91190	1.78	(a)
59701	.004	.29	59970	.056	.183	64074	13.30	—	91200	.55	—
59713	.073	.31	59973	.056	(a)	64075	9.38	—	91210	(a)	—
59722	.038	.031	59975	.078	.227	64500	(a)	—	91235	1.17	3.71
59723	.014	.037	59977	.044	(a)	65007	28.30	—	91250	1.75	(a)
59724	.022	.019	59984	.015	.053	66122	12.20	—	91265	11.80	3.10
59725	.027	.116	59985	.06	(a)	66123	6.70	—	91266	6.24	1.39
59726	.02	.024	59986	.046	(a)	66309	19.60	—	91280	(a)	3.78
59738	.063	.064	59988	.02	.059	66561	45.40	—	91302	8.97	(a)
59750	.048	.222	59989	.008	.044	67017	42.10	—	91315	2.73	—
59751	.017	(a)	60010	23.20	—	67508	33.80	—	91324	6.06	(a)
59773	.01	.028	60011	26.70	—	67509	24.80	—	91325	(a)	(a)
59774	.009	.15	60012	43.90	—	67510	13.80	—	91340	3.95	12.30
59775	.011	.188	60013	37.60	—	67511	14.90	—	91341	3.80	6.39
59781	.042	.068	60015	28.10	—	67512	64.00	—	91342	3.63	4.94
59782	.063	.46	60016	31.60	—	67513	40.60	—	91343	.84	1.86
59783	.061	(a)	60035	32.00	—	67634	36.40	—	91405	4.61	—
59784	.047	(a)	61000	23.00	—	67635	25.80	—	91436	4.30	3.00
59790	.049	(a)	61212	16.30	—	68001	78.70	—	91481	15.70	—
59798	.16	.50	61216	18.10	—	68439	101.00	—	91507	2.31	4.47
59806	.114	(a)	61217	16.50	—	68500	5.11	—	91523	35.70	—
59867	.055	(a)	61218	11.30	—	68604	1.89	—	91547	.203	—
59886	.007	.108	61223	80.10	—	68606	7.39	—	91551	1.26	.86
59889	.035	.165	61224	25.50	—	68607	5.84	—	91555	.70	1.25
59892	.061	(a)	61225	35.40	—	68702	4.81	—	91560	3.45	5.39
59904	.041	.061	61226	59.60	—	68703	3.61	—	91562	2.79	—
59905	.035	.132	61227	54.50	—	68706	15.50	—	91577	10.00	4.15
59914	.203	.68	62000	12.40	—	68707	15.30	—	91580	4.56	—
59915	.137	.75	62001	9.79	—	90089	3.64	—	91581	(a)	(a)
59917	.025	.205	62002	4.47	—	91111	1.51	7.85	91582	(a)	(a)
59923	.005	.004	62003	14.10	—	91125	2.19	2.16	91583	(a)	(a)
59925	.238	1.19	63010	41.80	—	91127	1.01	1.70	91584	(a)	(a)
59926	.202	.45	63011	52.30	—	91130	.97	—	91585	(a)	(a)
59927	.136	1.42	63012	74.30	—	91135	.27	(a)	91586	(a)	(a)
59931	.091	.55	63013	70.40	—	91150	.95	7.43	91587	(a)	(a)
59932	.098	.88	63215	46.60	—	91155	2.12	53.00	91588	(a)	(a)
59941	.031	(a)	63216	32.30	—	91160	.88	—	91589	(a)	(a)
59947	.041	.32	63217	31.10	—	91175	.75	—	91590	2.90	—
59955	.012	.143	63218	10.50	—	91177	3.31	—	91591	(a)	(a)
59963	.087	.41	63219	(a)	—	91179	3.32	—	91606	9.45	—

\$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	.97	—	97653	2.64	3.86	98426	2.13	(a)
91629	1.93	(a)	95358	(a)	—	97654	4.60	3.69	98427	2.08	—
91636	3.31	—	95410	3.73	3.68	97655	3.63	6.66	98428	(a)	—
91641	.90	(a)	95455	4.00	1.65	98002	.65	1.26	98429	.86	—
91666	.78	(a)	95487	2.00	(a)	98003	.82	(a)	98430	(a)	—
91722	2.90	(a)	95505	1.86	2.93	98090	.111	—	98449	2.98	37.60
91746	2.79	6.60	95620	1.63	(a)	98091	.12	—	98482	3.20	9.23
91805	.175	—	95625	4.28	4.91	98092	.37	—	98483	4.73	27.70
92053	.44	.68	95630	(a)	(a)	98111	.30	—	98502	4.53	5.11
92054	.149	.28	95647	1.41	7.97	98150	(a)	—	98555	2.11	—
92055	4.15	.28	95648	(a)	(a)	98151	(a)	—	98597	.48	—
92101	6.48	3.97	96053	1.07	6.19	98152	2.21	.88	98598	.163	—
92102	3.90	4.62	96317	1.00	—	98153	2.49	(a)	98601	5.42	(a)
92215	1.67	3.87	96408	3.23	19.30	98154	2.93	(a)	98622	(a)	—
92338	1.50	2.87	96409	2.98	13.10	98155	4.10	(a)	98623	(a)	—
92445	1.90	—	96410	2.62	12.00	98156	(a)	(a)	98624	.85	—
92446	4.94	2.20	96611	.91	2.04	98157	2.63	.59	98636	1.43	4.41
92447	4.31	2.21	96702	3.72	(a)	98158	(a)	(a)	98640	93.50	—
92451	1.17	2.75	96703	(a)	—	98159	1.76	(a)	98658	4.24	—
92453	2.73	—	96816	3.49	—	98160	3.73	(a)	98659	.76	.46
92478	1.35	2.26	96872	3.56	(a)	98161	4.17	(a)	98677	14.80	13.80
92593	15.30	—	96930	(a)	—	98162	(a)	(a)	98678	13.10	19.90
92663	.45	—	97002	(a)	(a)	98163	4.38	.26	98698	(a)	(a)
94007	9.26	7.23	97003	(a)	(a)	98164	.98	.084	98699	4.25	(a)
94099	2.11	—	97047	2.75	—	98257	1.24	—	98705	6.01	—
94225	7.42	—	97050	2.14	—	98303	8.25	10.40	98710	2.96	—
94276	3.86	6.03	97111	4.46	—	98304	4.61	4.43	98751	3.21	—
94304	1.49	(a)	97220	.26	(a)	98305	2.21	2.61	98805	3.86	1.73
94381	2.79	17.20	97221	(a)	1.42	98306	5.70	1.23	98806	1.34	4.29
94404	3.66	7.00	97222	.77	2.31	98307	1.46	.63	98810	3.12	—
94444	(a)	(a)	97223	1.17	5.45	98308	.96	1.51	98813	3.01	2.52
94569	2.48	4.86	97308	.49	—	98309	4.14	2.79	98820	7.37	4.47
94590	10.70	—	97447	1.59	6.71	98344	.61	.92	98871	(a)	(a)
94617	3.36	—	97501	(a)	—	98405	1.02	—	98884	1.92	2.40
94638	(a)	—	97502	(a)	—	98413	12.10	(a)	98914	.52	.69
95124	1.24	1.13	97503	(a)	—	98414	11.10	(a)	98949	.72	.35
95233	2.67	—	97504	(a)	—	98415	1.46	(a)	98967	3.01	14.80
95305	2.89	—	97650	3.08	5.13	98423	3.47	(a)	98993	2.74	5.59
95306	3.80	—	97651	4.70	4.96	98424	5.89	(a)	99003	1.44	2.01
95310	6.91	1.55	97652	4.07	5.18	98425	2.42	(a)	99004	2.51	2.21

\$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	1.01	10.50	99826	.61	.75						
99081	(a)	—	99827	.37	.67						
99082	(a)	—	99851	1.49	—						
99083	(a)	—	99917	2.41	—						
99084	(a)	(a)	99938	2.71	—						
99085	(a)	(a)	99943	7.84	—						
99111	1.48	—	99946	5.84	3.54						
99160	(a)	—	99948	3.30	35.10						
99163	3.51	.53	99952	4.58	27.60						
99165	.77	(a)	99953	4.94	16.50						
99220	1.14	(a)	99954	3.60	14.50						
99221	(a)	(a)	99955	4.50	10.30						
99222	2.14	(a)	99963	.58	—						
99223	.216	(a)	99969	2.07	3.75						
99303	11.80	—	99975	3.99	—						
99310	2.94	(a)	99986	(a)	—						
99315	8.66	2.51	99987	(a)	—						
99321	8.40	3.15	99988	1.83	—						
99445	(a)	(a)									
99471	.52	—									
99505	2.32	—									
99506	2.85	—									
99507	2.49	—									
99570	1.34	(a)									
99571	.33	(a)									
99572	.63	(a)									
99573	.60	(a)									
99600	1.09	—									
99613	7.44	2.78									
99614	2.43	—									
99620	.41	—									
99650	.63	1.27									
99709	1.56	(a)									
99718	1.19	—									
99746	2.01	4.07									
99760	.23	—									
99777	5.41	—									
99793	2.56	—									
99798	(a)	(a)									
99803	(a)	14.70									