

LOSS COSTS – IMPLEMENTATION

OCTOBER 12, 2021

GENERAL LIABILITY

LI-GL-2021-324

MINNESOTA GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

KEY MESSAGE

Revised overall prospective loss costs for -0.6% to be implemented.

UPGRADE TO WORD AND EXCEL DOCUMENTS

As previously noted, ISO is implementing changes to our authoring and delivery systems so that **newly created** documents will be delivered in Office 365 .docx/.xlsx format to be phased in by product/service. In addition to **form** documents, we are pleased to announce that during the third quarter 2021, you will be receiving **circular cover letter** and **Notice To Manualholders (NTM)** documents in .docx format delivered/accessed via Circulars, CLM, EFD, ERC, Filings, FIRST, Forms Library, PRM and Suite +. Changes continue for other document types to be phased in by product/service. Products impacted include, but are not limited to, documents delivered/accessed via Circulars, CLM, EFD, ERC, Filings, FIRST, Forms Library (including PolicyWriting Support Forms Instructional Supplement), PRM, Statistical Plans and Suite +.

BACKGROUND

In circular [LI-GL-2021-280](#), we provided you with information about the General Liability loss cost level experience review.

In circular [LI-GL-2020-227](#), a Loss Cost Addendum (LCADD) Page was added to the Commercial Lines Manual to provide loss cost information for new classes being introduced.

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.

Additionally, due to the impact that the COVID-19 pandemic had on experience from March 2020 and beyond, we have included a fourth year of experience in calculating prospective loss costs level changes. We will continue to seek the appropriate balance between the 2020 experience and the experience of other years used in the analyses to determine our prospective loss costs for future periods.

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-2021-BGL1, which presents a review of General Liability loss cost experience.

In this revision, the LCADD page is being removed and the loss costs for the classes included on the LCADD page are being added to the state loss cost manual pages.

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, 2022, 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-2021-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-2021-004](#) 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 4-22 (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 implementation of a corresponding rules revision. Please refer to the Reference(s) block for identification of that circular.

REFERENCE(S)

- [LI-GL-2021-325](#) (10/12/2021) Minnesota General Liability Rule 24. Revision To Be Implemented
- [LI-GL-2021-280](#) (09/08/2021) General Liability Basic Limit Experience For 2021 Group 4 Jurisdictions Reviewed By Staff
- [LI-CL-2021-004](#) (02/17/2021) Revised Lead Time Requirements Listing
- [LI-GL-2020-227](#) (12/31/2020) 2020 General Liability Multistate Loss Costs Mappings Addressing Cannabis Are Being Filed

ATTACHMENT(S)

- GL-2021-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-2021-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 -0.6% 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 GL-2020-BGL1, loss costs for nine classification were adjusted due to the anticipation of long-term behavioral, social and economic changes as a result of COVID-19. The expectation, based on the information currently available, was that those changes would have a material impact on prospective loss costs for certain risks. To reflect these changes, judgmentally selected adjustment factors were applied to the loss costs for those nine classes. These OL&T class specific COVID-19 adjustments are still being reflected in the loss costs within this document. Refer to Section H for details.

Additionally, due to the impact that the COVID-19 pandemic had on experience from March 2020 and beyond, we have included a fourth year of experience in calculating the statewide prospective loss costs level changes. In this review, equal weights have been assigned to each year of experience to determine the statewide indicated loss cost level changes for M&C and OL&T. We will continue to seek the appropriate balance between the 2020 experience and the experience of other years used in the analyses to determine our prospective loss costs for future periods.

Also, an adjustment factor was applied to the premium development factors for the latest accident year to reflect the reduced expected exposures for M&C due to COVID-19 and the economic recession in 2020. This factor was determined by an analysis of historical experience and actuarial judgment. 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>
M&C	+ 1.0%	+ 1.0%
OL&T	+ 1.5%	+ 1.5%
Premises/Operations	+ 1.2%	+ 1.2%
Products	- 6.7%	- 6.7%
Local Products/Completed Operations	- 4.9%	- 4.9%
Products/Completed Operations	- 5.5%	- 5.5%
GL Overall	- 0.6%	- 0.6%

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

INDICATED
VS. SELECTED

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

CAPPING

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

PRIOR ISO
REVISIONS

See Page ES-6 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-2021-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 0.995 has been applied to the loss costs for payroll-based classes to reflect the change on a revenue neutral basis.

INTRODUCTION
OF CANNABIS
CLASSIFICATION
CODES TO THE
STATE LOSS
COST PAGES

In the 2020 Commercial General Liability Rule Filing GL-2020-RMJRU, we introduced several Cannabis classification codes.

In the companion Loss Cost Revision GL-2020-RMJLC, we provided loss cost mappings for the new classifications.

In Section A of this revision we display loss costs for the manually rated classifications as follows:

10011	Cannabis Distributors – Other than hemp
10012	Hemp Distributors
10025	Cannabis-Containing Products Distributors – Other than hemp
10027	Hemp-Containing Products Distributors
10210	Cannabis Stores - NOC
10211	Cannabis Stores - Medical Dispensaries
50011	Cannabis Manufacturing – Other than hemp
50012	Hemp Manufacturing - NOC
50018	Cannabis-Containing Products Manufacturing – Other than hemp
50019	Hemp-Containing Products Manufacturing

These classifications will be added to the state loss cost pages with this revision.

The Loss Cost Mappings by Class Exhibit that was issued as a Loss Cost Addendum (LCADD) Page in the Commercial Lines Manual will be removed with this revision.

HISTORICAL
SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Fiscal-accident year data through year ended 9/30/2020 for Premises/Operations.
- Calendar-accident year data through year ended 12/31/2019 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 4/1/2022. The Products/Completed Operations portion of this review uses a trend date of 7/1/2021 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 6/30/2020 were used in selecting annual trend factors. For Products/Completed Operations, occurrence cost data and occurrence frequency data through 12/31/2019 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

<u>OTHER LIABILITY (ASLOB 17.0)</u>		<u>PRODUCTS LIABILITY (ASLOB 18.0)</u>	
1	Travelers Indemnity Co.	1	Chubb Group of Insurance Cos.
2	Chubb Group of Insurance Cos.	2	Zurich American Insurance Co.
3	Zurich American Insurance Co.	3	Fireman's Fund Insurance Co.
4	Continental Casualty Co.	4	Travelers Indemnity Co.
5	Cincinnati Insurance Co.	5	Selective Insurance Group
6	Liberty Mutual Insurance Co.	6	Cincinnati Insurance Co.
7	Western National Mutual Ins. Co.	7	Liberty Mutual Insurance Co.
8	XL Specialty Insurance Co.	8	United Fire & Casualty Co.
9	Employers Mutual Casualty Co.	9	Continental Casualty Co.
10	Great American Insurance Co.	10	Nationwide Mutual Insurance Co.

Insurers are listed in descending order based on the percent of written premium volume from Statutory Page 14 Data for the year ending 12/31/2019 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 12/31/2019 is:

Statewide - Other Liability (ASLOB 17.0)	33.8%
Multistate - Products Liability (ASLOB 18.0)	39.8%

COMPANY
DECISION

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

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

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MINNESOTA
PRIOR REVISIONS

The latest implemented revisions in this state are:

Document: GL-2020-BGL1

<u>Coverage</u>	<u>Distribution</u> <u>Date</u>	<u>Loss Cost Level Changes</u>		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		+ 0.3%	+ 0.3%	+ 0.3%
OL&T		+ 13.0%	+ 11.8%	+ 11.8%
Prem/Ops Combined		+ 6.8%	+ 6.2%	+ 6.2%
Products		- 0.2%	- 0.2%	- 0.2%
Local Products/Completed Ops		+ 0.8%	+ 0.8%	+ 0.8%
Products/Completed Ops Combined		+ 0.5%	+ 0.5%	+ 0.5%
General Liability Overall	4/2021	+ 5.0%	+ 4.5%	+ 4.5%

Document: GL-2019-BGL1

<u>Coverage</u>	<u>Distribution</u> <u>Date</u>	<u>Loss Cost Level Changes</u>		
		<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>	<u>Distribution</u> <u>Date</u>	<u>Loss Cost Level Changes</u>		
		<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%

**GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
TABLE OF CONTENTS**

SECTION A - SCOPE OF REVISION

• Table of Contents	A-1
• Statewide Loss Cost Level Changes	A-2
• Territory Loss Cost Level Changes	A-3
• Class Group Loss Cost Level Changes	A-4-5
• Explanation of Loss Cost Changes by Class	A-6-7
• Loss Cost % Change by Class	A-8-41

SECTION B - EXPLANATORY MATERIAL

• Table of Contents	B-1
• Methodology Overview	B-2-8
• Explanatory Notes to Determination of Indicated Loss Cost Level Change	B-9
• Explanatory Notes to Relative Change Analysis	B-10-16
• Explanatory Notes to Implicit Package Modification Factors	B-17
• Explanation of Exposure Development	B-18-19
• Explanation of Loss Development	B-20-21
• Explanation of Allocated Loss Adjustment Expense (ALAE) Development	B-22-24
• Explanation of Modified Bondy Method	B-25
• Unallocated Loss Adjustment Factor Methodology	B-26
• Explanation of Trend Calculation	B-27-28
• Credibility Standards	B-29-30
• Explanatory Notes to Class Groups and Differentials -- Premises/Operations	B-31
• Explanatory Notes to Class Groups and Calculation of Proposed Class Loss Costs -- Products	B-32
• Explanatory Notes to Class Groups and Calculation of Proposed Class Loss Costs -- Local Products/Completed Operations	B-33

**GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
TABLE OF CONTENTS (Cont'd)**

SECTION C - CALCULATION OF INDICATIONS

- Table of Contents C-1

Determination of Indicated Loss Cost Level Change:

- Manufacturers and Contractors C-2
- Owners, Landlords and Tenants C-3
- Products C-4
- Local Products/Completed Operations C-5

SECTION D - RELATIVE CHANGE ANALYSIS

- Table of Contents D-1

Manufacturers and Contractors

- Basic Limit Relative Change Analysis
With Monoline Indicated Loss Cost Level Changes by Class Group D-2
- Summary of Experience Used in Relative Change Analysis D-3-4

Owners, Landlords and Tenants

- Basic Limit Relative Change Analysis With Monoline Indicated
Loss Cost Level Changes by Class Group and Territory D-5-6
- Summary of Experience Used in Relative Change Analysis D-7-14

Products

- Basic Limit Relative Change Analysis
With Monoline Indicated Loss Cost Level Changes by Class Group D-15
- Summary of Experience Used in Relative Change Analysis D-16

Local Products/Completed Operations

- Basic Limit Relative Change Analysis
With Monoline Indicated Loss Cost Level Changes by Class Group D-17
- Relative Change Analysis by State D-18
- Summary of Experience Used in Relative Change Analysis D-19-20

**GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
TABLE OF CONTENTS (Cont'd)**

SECTION E - SUPPORTING MATERIAL -- PREMISES/OPERATIONS

• Table of Contents	E-1
• Calculation of Aggregate Loss Costs at Current Level and Incurred Losses	E-2-7
• Implicit Package Modification Factors	E-8-9
• Calculation of Exposure Development Factors	E-10-15
• Table Of Contents - Loss Development	E-16
• Loss Development Data	E-17-74
• Multistate Review of ULAE Experience	E-75
• Trend Summary	E-76
• Trend Data	E-77-88
• Class Groups and Differentials	E-89-99

SECTION F - SUPPORTING MATERIAL -- PRODUCTS

• Table of Contents	F-1
• Calculation of Aggregate Loss Costs at Current Level and Incurred Losses	F-2-4
• Implicit Package Modification Factors	F-5
• Multistate Exposure Development	F-6
• Table of Contents - Loss Development	F-7
• Loss Development Data	F-8-21
• Multistate Review of ULAE Experience	F-22
• Trend Summary	F-23
• Trend Data	F-24-27
• Class Groups and Calculation of Proposed Class Loss Costs	F-28-40

**GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS
TABLE OF CONTENTS (Cont'd)**

SECTION G - SUPPORTING MATERIAL -- LOCAL PRODUCTS/COMPLETED OPERATIONS

• Table of Contents	G-1
• Calculation of Aggregate Loss Costs at Current Level and Incurred Losses	G-2-4
• Implicit Package Modification Factors	G-5
• Calculation of Exposure Development Factors	G-6-8
• Table of Contents - Loss Development	G-9
• Loss Development Data	G-10-45
• Multistate Review of ULAE Experience	G-46
• Trend Summary	G-47
• Trend Data	G-48-51
• Class Groups and Calculation of Proposed Class Loss Costs	G-52-61

SECTION H - CONSIDERATION OF COVID-19

• Table of Contents	H-1
• Introduction	H-2
• Loss Cost Adjustments General Liability	H-2-3
• Premium Development Adjustment Factor	H-4
• Premium Development Adjustment Factor Data	H-5

SECTION I - LCADD MANUAL PAGE WITHDRAWN

• Table of Contents	I-1
• CG-LCADD-1 (Withdrawn)	I-2

SECTION A
SCOPE OF REVISION
TABLE OF CONTENTS

Statewide Loss Cost Level Changes	A-2
Territory Loss Cost Level Changes	A-3
Class Group Loss Cost Level Changes	A-4-5
Explanation of Loss Cost Changes by Class	A-6-7
Loss Cost % Change by Class	A-8-41

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.

<u>Summary of Indications and Selected Loss Cost Level Changes</u>	<u>Manufacturers And Contractors</u>	<u>Owners, Landlords and Tenants</u>	<u>Overall Premises/ Operations</u>	<u>Products</u>	<u>Local Products/ Completed Operations</u>	<u>Products/ Completed Operations</u>	<u>Overall General Liability Other Than Professional</u>
Statewide Indicated Monoline-Multiline Loss Cost Level Change (See Section C)	+ 2.5%	+ 4.9%	+ 3.6%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	+ 1.0%	+ 1.5%	+ 1.2%	- 6.7%*	- 4.9%**	- 5.5%	- 0.6%
Statewide Selected Monoline Loss Cost Level Change	+ 1.0%	+ 1.5%	+ 1.2%	- 6.7%*	- 4.9%	- 5.5%	- 0.6%

* 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>	LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT <u>LEVEL (ALCCL)</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
501	Minneapolis and St. Paul and Vicinity	\$ 4,741,117	+ 0.5%	+ 0.4%
502	Remainder of State	6,619,291	+ 2.2%	+ 2.2%
503	Duluth	395,803	+ 1.9%	+ 1.9%
	STATEWIDE TOTAL	\$ 11,756,211	+ 1.5%	+ 1.5%

MINNESOTA
PREMISES/OPERATIONS
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

CLASS GROUP	<u>DESCRIPTION</u>	LATEST YEAR MONO/MULTI <u>ALCCL</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
30	SERVICE	\$ 587,803	+ 2.1%	+ 1.8%
31	LIGHT CONTRACTING	1,120,677	+ 1.6%	+ 1.2%
32	MEDIUM CONTRACTING	4,939,992	+ 2.5%	+ 2.1%
33	HEAVY CONTRACTING	1,517,108	- 0.3%	- 0.7%
34	DEALERS OR DISTRIBUTORS	1,233,288	+ 1.2%	+ 2.3%
35	LIGHT MANUFACTURERS	245,149	- 0.1%	+ 0.3%
36	MEDIUM MANUFACTURERS	1,550,002	- 2.6%	- 2.5%
37	HEAVY MANUFACTURERS	991,077	+ 0.5%	+ 1.0%
38	MISCELLANEOUS OPERATIONS	922,501	0.0%	+ 1.1%
	TOTAL	\$ 13,107,597	+ 1.0%	+ 1.0%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

CLASS GROUP	<u>DESCRIPTION</u>	LATEST YEAR MONO/MULTI <u>ALCCL</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
01	FOOD AND BEVERAGE (RETAIL)	\$ 540,252	- 3.7%	- 2.6%
02	RESTAURANTS	1,067,086	- 3.1%	- 3.7%
03	STORES	620,345	+ 0.2%	+ 0.8%
04	VENDING AND RENTAL	72,253	- 0.6%	- 0.4%
05	FOOD AND BEVERAGE DISTRIBUTORS	102,317	+ 3.0%	+ 3.2%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	348,808	+ 4.1%	+ 4.7%
07	CLUBS, AMUSEMENTS AND SPORTS	526,793	+ 2.7%	+ 2.9%
08	HEALTH CARE FACILITIES	149,550	+ 5.7%	+ 5.5%
09	HOTELS AND MOTELS	802,413	- 0.6%	- 1.0%
10	SCHOOLS AND CHURCHES	2,339,208	- 4.4%	- 4.1%
11	APARTMENTS	1,525,969	+ 5.1%	+ 4.5%
12	BUILDINGS AND OFFICES	3,500,151	+ 6.1%	+ 6.0%
13	MISCELLANEOUS PREMISES	154,169	+ 4.0%	+ 3.7%
16	GOVERNMENTAL SUBDIVISIONS	6,897	+ 3.0%	+ 4.0%
	TOTAL	\$ 11,756,211	+ 1.5%	+ 1.5%

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	\$ 30,887,125	- 4.9%	\$ 955,392	- 1.5%	- 1.5%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	39,017,316	- 8.3%	1,036,024	- 11.2%	- 11.2%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	4,813,738	- 2.6%	150,445	- 4.3%	- 4.3%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	35,560,474	- 5.2%	801,249	- 7.6%	- 7.6%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	8,547,659	- 6.0%	124,106	- 5.8%	- 5.8%
	PRODUCTS SUBTOTAL	\$ 118,826,312	- 6.1%	\$ 3,067,216	- 6.7%	- 6.7%
01	RETAIL STORES-FOOD OR DRUG			\$ 205,697	- 14.2%	- 13.6%
02	RETAIL STORES-NOT FOOD OR DRUG			315,088	- 4.4%	- 4.8%
11	COMPLETED OPERATIONS-LOW			441,939	- 1.0%	- 1.0%
12	COMPLETED OPERATIONS-MEDIUM			4,916,105	- 4.5%	- 4.5%
13	COMPLETED OPERATIONS-HIGH			536,139	- 8.7%	- 8.5%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 6,414,968	- 4.9%	- 4.9%
	TOTAL			\$ 9,482,184	- 5.5%	- 5.5%

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.

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

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

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

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

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

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

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

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

- M&C classes reflect an upper cap of +26% and a lower cap of -20% relative to current loss costs;
- OL&T classes reflect an upper cap of +27% and a lower cap of -20% relative to current loss costs;
- Products classes reflect an upper cap of +25% and a lower cap of -26% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +25% and a lower cap of -25% relative to current loss costs.

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

M&C: 0.996

OL&T: 1.000

LP/CO: 0.996

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: The offset of 0.995 has been applied to the loss costs for the payroll-based classes to reflect the change in payroll amount for executive officers, individual insureds or copartners on a revenue neutral basis.

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
10010	501	0.044	0.044	0.0	10054	503	3.150	3.050	3.3	10107	502	1.730	1.700	1.8
10010	502	0.097	0.092	5.4	10060	501	0.070	0.070	0.0	10107	503	2.020	1.980	2.0
10010	503	0.063	0.060	5.0	10060	502	0.131	0.130	0.8	10110	501	13.800	13.600	1.5
10011	501	0.011	0.010	10.0	10060	503	0.084	0.084	0.0	10110	502	13.900	13.400	3.7
10011	502	0.023	0.022	4.5	10065	501	0.104	0.105	-1.0	10110	503	17.400	16.900	3.0
10011	503	0.015	0.014	7.1	10065	502	0.197	0.195	1.0	10111	501	0.055	0.055	0.0
10012	501	0.012	0.012	0.0	10065	503	0.127	0.126	0.8	10111	502	0.121	0.115	5.2
10012	502	0.027	0.026	3.8	10066	501	0.106	0.107	-0.9	10111	503	0.079	0.075	5.3
10012	503	0.017	0.016	6.3	10066	502	0.201	0.198	1.5	10113	501	0.141	0.143	-1.4
10015	501	4.050	3.990	1.5	10066	503	0.129	0.129	0.0	10113	502	0.270	0.260	3.8
10015	502	4.090	3.940	3.8	10070	501	0.025	0.025	0.0	10113	503	0.171	0.171	0.0
10015	503	5.130	4.970	3.2	10070	502	0.056	0.053	5.7	10115	501	0.280	0.280	0.0
10025	501	0.011	0.010	10.0	10070	503	0.036	0.034	5.9	10115	502	0.530	0.520	1.9
10025	502	0.023	0.022	4.5	10071	501	0.125	0.126	-0.8	10115	503	0.340	0.340	0.0
10025	503	0.015	0.014	7.1	10071	502	0.235	0.233	0.9	10117	501	4.020	3.960	1.5
10026	501	0.250	0.260	-3.8	10071	503	0.152	0.151	0.7	10117	502	4.060	3.910	3.8
10026	502	0.480	0.470	2.1	10072	501	4.100	4.060	1.0	10117	503	5.090	4.940	3.0
10026	503	0.310	0.310	0.0	10072	502	2.840	2.810	1.1	10120	501	9.010	8.880	1.5
10027	501	0.011	0.010	10.0	10072	503	2.460	2.460	0.0	10120	502	9.110	8.780	3.8
10027	502	0.023	0.022	4.5	10073	501	0.600	0.590	1.7	10120	503	11.400	11.100	2.7
10027	503	0.015	0.014	7.1	10073	502	0.570	0.550	3.6	10130	501	1.390	1.400	-0.7
10036	501	0.390	0.380	2.6	10073	503	0.660	0.650	1.5	10130	502	2.620	2.590	1.2
10036	502	0.360	0.360	0.0	10075	501	4.470	4.370	2.3	10130	503	1.690	1.680	0.6
10036	503	0.420	0.420	0.0	10075	502	4.210	4.120	2.2	10132	501	1.200	1.210	-0.8
10040	501	0.034	0.033	3.0	10075	503	4.890	4.820	1.5	10132	502	2.260	2.230	1.3
10040	502	0.074	0.070	5.7	10100	501	0.270	0.290	-6.9	10132	503	1.450	1.450	0.0
10040	503	0.048	0.046	4.3	10100	502	0.460	0.470	-2.1	10133	501	1.520	1.550	-1.9
10042	501	0.145	0.147	-1.4	10100	503	0.420	0.430	-2.3	10133	502	2.370	2.360	0.4
10042	502	0.270	0.270	0.0	10101	501	0.094	0.095	-1.1	10133	503	2.320	2.320	0.0
10042	503	0.176	0.176	0.0	10101	502	0.177	0.175	1.1	10140	501	0.016	0.016	0.0
10052	501	2.800	2.760	1.4	10101	503	0.114	0.114	0.0	10140	502	0.016	0.015	6.7
10052	502	2.830	2.730	3.7	10105	501	1.020	1.030	-1.0	10140	503	0.020	0.019	5.3
10052	503	3.550	3.440	3.2	10105	502	1.920	1.900	1.1	10141	501	0.032	0.031	3.2
10054	501	2.480	2.450	1.2	10105	503	1.240	1.230	0.8	10141	502	0.033	0.031	6.5
10054	502	2.510	2.420	3.7	10107	501	1.840	1.800	2.2	10141	503	0.039	0.038	2.6

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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
10145	501	0.153	0.150	2.0	10256	503	0.570	0.570	0.0	10381	502	3.850	3.710	3.8
10145	502	0.157	0.149	5.4	10257	501	0.099	0.097	2.1	10381	503	4.830	4.680	3.2
10145	503	0.188	0.184	2.2	10257	502	0.093	0.091	2.2	11007	501	1.540	1.530	0.7
10146	501	0.122	0.129	-5.4	10257	503	0.108	0.107	0.9	11007	502	1.070	1.060	0.9
10146	502	0.205	0.210	-2.4	10309	501	0.063	0.064	-1.6	11007	503	0.920	0.930	-1.1
10146	503	0.186	0.191	-2.6	10309	502	0.120	0.118	1.7	11020	501	0.119	0.120	-0.8
10150	501	0.194	0.196	-1.0	10309	503	0.077	0.077	0.0	11020	502	0.224	0.221	1.4
10150	502	0.370	0.360	2.8	10315	501	0.149	0.151	-1.3	11020	503	0.144	0.143	0.7
10150	503	0.236	0.235	0.4	10315	502	0.280	0.280	0.0	11039	501	0.520	0.510	2.0
10151	501	4.900	4.940	-0.8	10315	503	0.181	0.181	0.0	11039	502	0.490	0.480	2.1
10151	502	9.230	9.120	1.2	10331	501	5.490	5.410	1.5	11039	503	0.570	0.560	1.8
10151	503	5.940	5.920	0.3	10331	502	5.550	5.340	3.9	11052	501	1.580	1.610	-1.9
10160	501	0.870	0.880	-1.1	10331	503	6.950	6.740	3.1	11052	502	2.470	2.460	0.4
10160	502	1.640	1.620	1.2	10332	501	9.470	9.330	1.5	11052	503	2.410	2.420	-0.4
10160	503	1.060	1.050	1.0	10332	502	9.570	9.220	3.8	11126	501	0.025	0.025	0.0
10204	501	0.088	0.089	-1.1	10332	503	12.000	11.600	3.4	11126	502	0.046	0.046	0.0
10204	502	0.166	0.164	1.2	10352	501	0.160	0.168	-4.8	11126	503	0.030	0.030	0.0
10204	503	0.107	0.106	0.9	10352	502	0.270	0.270	0.0	11127	501	0.141	0.139	1.4
10205	501	0.098	0.099	-1.0	10352	503	0.242	0.250	-3.2	11127	502	0.310	0.290	6.9
10205	502	0.185	0.183	1.1	10367	501	3.620	3.590	0.8	11127	503	0.201	0.191	5.2
10205	503	0.119	0.119	0.0	10367	502	2.510	2.480	1.2	11128	501	0.190	0.188	1.1
10210	501	0.158	0.159	-0.6	10367	503	2.170	2.180	-0.5	11128	502	0.420	0.400	5.0
10210	502	0.300	0.290	3.4	10368	501	5.300	5.240	1.1	11128	503	0.270	0.260	3.8
10210	503	0.191	0.189	1.1	10368	502	3.670	3.630	1.1	11138	501	1.370	1.350	1.5
10211	501	0.158	0.159	-0.6	10368	503	3.180	3.180	0.0	11138	502	1.390	1.340	3.7
10211	502	0.300	0.290	3.4	10378	501	5.560	5.480	1.5	11138	503	1.740	1.680	3.6
10211	503	0.191	0.189	1.1	10378	502	5.620	5.410	3.9	11155	501	0.084	0.085	-1.2
10220	501	1.850	1.870	-1.1	10378	503	7.040	6.820	3.2	11155	502	0.158	0.156	1.3
10220	502	3.490	3.450	1.2	10379	501	2.580	2.540	1.6	11155	503	0.102	0.101	1.0
10220	503	2.250	2.240	0.4	10379	502	2.610	2.510	4.0	11167	501	0.360	0.370	-2.7
10255	501	0.143	0.140	2.1	10379	503	3.270	3.170	3.2	11167	502	0.570	0.570	0.0
10255	502	0.135	0.132	2.3	10380	501	4.400	4.340	1.4	11167	503	0.560	0.560	0.0
10255	503	0.157	0.155	1.3	10380	502	4.450	4.290	3.7	11168	501	1.890	1.930	-2.1
10256	501	0.520	0.510	2.0	10380	503	5.580	5.410	3.1	11168	502	2.950	2.940	0.3
10256	502	0.490	0.480	2.1	10381	501	3.810	3.760	1.3	11168	503	2.890	2.890	0.0

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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
11201	501	13.500	13.400	0.7	11213	503	1.040	1.040	0.0	12361	502	0.035	0.034	2.9
11201	502	9.340	9.240	1.1	11214	501	4.280	4.240	0.9	12361	503	0.042	0.042	0.0
11201	503	8.090	8.100	-0.1	11214	502	2.960	2.930	1.0	12362	501	0.028	0.027	3.7
11202	501	3.990	3.950	1.0	11214	503	2.570	2.570	0.0	12362	502	0.061	0.058	5.2
11202	502	2.760	2.730	1.1	11222	501	0.072	0.071	1.4	12362	503	0.040	0.038	5.3
11202	503	2.390	2.400	-0.4	11222	502	0.050	0.049	2.0	12373	501	0.011	0.010	10.0
11203	501	0.330	0.320	3.1	11222	503	0.043	0.043	0.0	12373	502	0.023	0.022	4.5
11203	502	0.720	0.680	5.9	11234	501	0.111	0.112	-0.9	12373	503	0.015	0.014	7.1
11203	503	0.470	0.440	6.8	11234	502	0.208	0.206	1.0	12374	501	0.242	0.244	-0.8
11204	501	0.123	0.124	-0.8	11234	503	0.134	0.134	0.0	12374	502	0.460	0.450	2.2
11204	502	0.231	0.229	0.9	11248	501	0.027	0.027	0.0	12374	503	0.290	0.290	0.0
11204	503	0.149	0.148	0.7	11248	502	0.026	0.025	4.0	12375	501	0.119	0.120	-0.8
11206	501	0.630	0.620	1.6	11248	503	0.030	0.029	3.4	12375	502	0.224	0.221	1.4
11206	502	0.430	0.430	0.0	11258	501	0.330	0.350	-5.7	12375	503	0.144	0.143	0.7
11206	503	0.380	0.380	0.0	11258	502	0.550	0.570	-3.5	12391	501	0.021	0.021	0.0
11207	501	7.900	7.820	1.0	11258	503	0.500	0.520	-3.8	12391	502	0.046	0.043	7.0
11207	502	5.470	5.420	0.9	11259	501	0.350	0.370	-5.4	12391	503	0.030	0.028	7.1
11207	503	4.740	4.750	-0.2	11259	502	0.590	0.610	-3.3	12393	501	0.158	0.159	-0.6
11208	501	1.350	1.340	0.7	11259	503	0.540	0.550	-1.8	12393	502	0.300	0.290	3.4
11208	502	0.940	0.930	1.1	11273	501	5.480	5.530	-0.9	12393	503	0.191	0.190	0.5
11208	503	0.810	0.810	0.0	11273	502	10.300	10.200	1.0	12467	501	0.066	0.066	0.0
11209	501	6.360	6.300	1.0	11273	503	6.650	6.620	0.5	12467	502	0.123	0.122	0.8
11209	502	4.410	4.360	1.1	11274	501	5.260	5.310	-0.9	12467	503	0.080	0.079	1.3
11209	503	3.820	3.820	0.0	11274	502	9.910	9.800	1.1	12509	501	0.036	0.035	2.9
11210	501	2.710	2.680	1.1	11274	503	6.380	6.360	0.3	12509	502	0.034	0.033	3.0
11210	502	1.880	1.860	1.1	11288	501	0.400	0.430	-7.0	12509	503	0.039	0.039	0.0
11210	503	1.630	1.630	0.0	11288	502	0.680	0.690	-1.4	12510	501	0.450	0.440	2.3
11211	501	14.100	13.900	1.4	11288	503	0.610	0.630	-3.2	12510	502	0.430	0.420	2.4
11211	502	9.750	9.650	1.0	12014	501	0.059	0.057	3.5	12510	503	0.500	0.490	2.0
11211	503	8.450	8.450	0.0	12014	502	0.055	0.054	1.9	12583	501	0.202	0.197	2.5
11212	501	2.130	2.110	0.9	12014	503	0.064	0.063	1.6	12583	502	0.190	0.186	2.2
11212	502	1.480	1.460	1.4	12356	501	0.460	0.470	-2.1	12583	503	0.221	0.218	1.4
11212	503	1.280	1.280	0.0	12356	502	0.880	0.870	1.1	12651	501	0.590	0.580	1.7
11213	501	1.740	1.720	1.2	12356	503	0.560	0.560	0.0	12651	502	0.560	0.540	3.7
11213	502	1.200	1.190	0.8	12361	501	0.035	0.034	2.9	12651	503	0.650	0.640	1.6

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 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
12683	501	0.270	0.260	3.8	13205	503	0.248	0.244	1.6	13621	502	0.068	0.066	3.0
12683	502	0.250	0.248	0.8	13314	501	0.047	0.048	-2.1	13621	503	0.079	0.077	2.6
12683	503	0.300	0.290	3.4	13314	502	0.089	0.088	1.1	13670	501	0.019	0.019	0.0
12707	501	0.182	0.180	1.1	13314	503	0.057	0.057	0.0	13670	502	0.020	0.019	5.3
12707	502	0.400	0.380	5.3	13351	501	0.115	0.116	-0.9	13670	503	0.024	0.023	4.3
12707	503	0.260	0.247	5.3	13351	502	0.216	0.214	0.9	13673	501	0.250	0.260	-3.8
12797	501	0.038	0.038	0.0	13351	503	0.139	0.139	0.0	13673	502	0.420	0.430	-2.3
12797	502	0.084	0.080	5.0	13352	501	0.117	0.118	-0.8	13673	503	0.380	0.390	-2.6
12797	503	0.055	0.052	5.8	13352	502	0.220	0.217	1.4	13715	501	0.028	0.027	3.7
12805	501	0.127	0.128	-0.8	13352	503	0.142	0.141	0.7	13715	502	0.061	0.058	5.2
12805	502	0.239	0.236	1.3	13410	501	0.820	0.810	1.2	13715	503	0.040	0.038	5.3
12805	503	0.154	0.153	0.7	13410	502	0.780	0.760	2.6	13716	501	0.178	0.180	-1.1
12841	501	0.211	0.213	-0.9	13410	503	0.900	0.890	1.1	13716	502	0.340	0.330	3.0
12841	502	0.400	0.390	2.6	13412	501	0.280	0.270	3.7	13716	503	0.216	0.215	0.5
12841	503	0.260	0.250	4.0	13412	502	0.260	0.260	0.0	13720	501	0.141	0.149	-5.4
12927	501	0.037	0.037	0.0	13412	503	0.300	0.300	0.0	13720	502	0.236	0.242	-2.5
12927	502	0.069	0.069	0.0	13453	501	0.320	0.310	3.2	13720	503	0.214	0.221	-3.2
12927	503	0.045	0.045	0.0	13453	502	0.300	0.300	0.0	13759	501	0.070	0.070	0.0
13049	501	0.018	0.018	0.0	13453	503	0.350	0.350	0.0	13759	502	0.131	0.130	0.8
13049	502	0.018	0.018	0.0	13454	501	0.380	0.370	2.7	13759	503	0.084	0.084	0.0
13049	503	0.022	0.022	0.0	13454	502	0.350	0.350	0.0	13930	501	0.059	0.059	0.0
13111	501	0.310	0.320	-3.1	13454	503	0.410	0.400	2.5	13930	502	0.130	0.123	5.7
13111	502	0.510	0.520	-1.9	13455	501	0.380	0.370	2.7	13930	503	0.085	0.080	6.3
13111	503	0.460	0.480	-4.2	13455	502	0.360	0.350	2.9	14068	501	0.015	0.015	0.0
13112	501	0.029	0.029	0.0	13455	503	0.420	0.410	2.4	14068	502	0.029	0.029	0.0
13112	502	0.030	0.029	3.4	13506	501	0.360	0.360	0.0	14068	503	0.019	0.019	0.0
13112	503	0.036	0.035	2.9	13506	502	0.680	0.670	1.5	14101	501	0.180	0.182	-1.1
13201	501	0.520	0.510	2.0	13506	503	0.440	0.440	0.0	14101	502	0.340	0.340	0.0
13201	502	0.490	0.480	2.1	13507	501	0.430	0.440	-2.3	14101	503	0.219	0.218	0.5
13201	503	0.570	0.560	1.8	13507	502	0.820	0.810	1.2	14279	501	0.270	0.270	0.0
13204	501	0.590	0.580	1.7	13507	503	0.530	0.520	1.9	14279	502	0.260	0.250	4.0
13204	502	0.560	0.540	3.7	13590	501	0.280	0.280	0.0	14279	503	0.300	0.300	0.0
13204	503	0.650	0.640	1.6	13590	502	0.270	0.260	3.8	14401	501	0.330	0.350	-5.7
13205	501	0.226	0.221	2.3	13590	503	0.310	0.310	0.0	14401	502	0.560	0.570	-1.8
13205	502	0.213	0.209	1.9	13621	501	0.072	0.070	2.9	14401	503	0.500	0.520	-3.8

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14405	501	0.910	0.900	1.1	15070	503	0.073	0.073	0.0	15600	502	0.710	0.700	1.4
14405	502	0.630	0.620	1.6	15123	501	1.510	1.550	-2.6	15600	503	0.460	0.460	0.0
14405	503	0.540	0.540	0.0	15123	502	2.370	2.360	0.4	15607	501	0.159	0.157	1.3
14527	501	0.113	0.112	0.9	15123	503	2.320	2.320	0.0	15607	502	0.110	0.109	0.9
14527	502	0.248	0.236	5.1	15124	501	0.530	0.540	-1.9	15607	503	0.095	0.095	0.0
14527	503	0.162	0.153	5.9	15124	502	0.830	0.820	1.2	15608	501	0.084	0.085	-1.2
14655	501	0.035	0.035	0.0	15124	503	0.810	0.810	0.0	15608	502	0.158	0.156	1.3
14655	502	0.066	0.065	1.5	15188	501	0.199	0.195	2.1	15608	503	0.102	0.101	1.0
14655	503	0.042	0.042	0.0	15188	502	0.188	0.184	2.2	15656	501	2.480	2.500	-0.8
14731	501	1.570	1.600	-1.9	15188	503	0.218	0.215	1.4	15656	502	4.670	4.620	1.1
14731	502	2.450	2.440	0.4	15223	501	0.023	0.022	4.5	15656	503	3.010	3.000	0.3
14731	503	2.400	2.400	0.0	15223	502	0.023	0.022	4.5	15699	501	0.390	0.390	0.0
14732	501	0.116	0.118	-1.7	15223	503	0.028	0.027	3.7	15699	502	0.270	0.270	0.0
14732	502	0.181	0.180	0.6	15224	501	0.149	0.157	-5.1	15699	503	0.235	0.236	-0.4
14732	503	0.177	0.177	0.0	15224	502	0.250	0.260	-3.8	15733	501	0.126	0.123	2.4
14733	501	0.244	0.246	-0.8	15224	503	0.226	0.233	-3.0	15733	502	0.119	0.116	2.6
14733	502	0.460	0.450	2.2	15314	501	0.084	0.085	-1.2	15733	503	0.138	0.136	1.5
14733	503	0.300	0.290	3.4	15314	502	0.158	0.156	1.3	15839	501	0.113	0.114	-0.9
14734	501	0.104	0.105	-1.0	15314	503	0.102	0.101	1.0	15839	502	0.212	0.210	1.0
14734	502	0.197	0.195	1.0	15404	501	0.052	0.050	4.0	15839	503	0.137	0.136	0.7
14734	503	0.127	0.126	0.8	15404	502	0.049	0.048	2.1	15991	501	0.092	0.093	-1.1
14855	501	0.126	0.123	2.4	15404	503	0.057	0.056	1.8	15991	502	0.174	0.172	1.2
14855	502	0.119	0.116	2.6	15405	501	0.076	0.074	2.7	15991	503	0.112	0.111	0.9
14855	503	0.138	0.136	1.5	15405	502	0.072	0.070	2.9	15993	501	0.078	0.079	-1.3
14913	501	0.131	0.132	-0.8	15405	503	0.083	0.082	1.2	15993	502	0.147	0.145	1.4
14913	502	0.247	0.244	1.2	15406	501	0.193	0.189	2.1	15993	503	0.094	0.094	0.0
14913	503	0.159	0.158	0.6	15406	502	0.182	0.178	2.2	16005	501	0.015	0.015	0.0
15062	501	0.113	0.111	1.8	15406	503	0.212	0.209	1.4	16005	502	0.032	0.031	3.2
15062	502	0.107	0.104	2.9	15488	501	0.480	0.470	2.1	16005	503	0.021	0.020	5.0
15062	503	0.124	0.122	1.6	15488	502	0.460	0.450	2.2	16009	501	0.155	0.151	2.6
15063	501	0.132	0.129	2.3	15488	503	0.530	0.520	1.9	16009	502	0.146	0.143	2.1
15063	502	0.124	0.122	1.6	15538	501	0.149	0.151	-1.3	16009	503	0.170	0.167	1.8
15063	503	0.144	0.142	1.4	15538	502	0.280	0.280	0.0	16402	501	0.560	0.560	0.0
15070	501	0.121	0.120	0.8	15538	503	0.181	0.181	0.0	16402	502	1.050	1.040	1.0
15070	502	0.084	0.083	1.2	15600	501	0.380	0.380	0.0	16402	503	0.680	0.670	1.5

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16403	501	0.350	0.360	-2.8	16750	503	0.050	0.049	2.0	16906	502	0.920	0.940	-2.1
16403	502	0.660	0.660	0.0	16751	501	0.041	0.041	0.0	16906	503	0.870	0.890	-2.2
16403	503	0.430	0.430	0.0	16751	502	0.077	0.076	1.3	16910	501	0.820	0.860	-4.7
16404	501	0.440	0.450	-2.2	16751	503	0.050	0.049	2.0	16910	502	0.820	0.840	-2.4
16404	502	0.840	0.830	1.2	16819	501	0.680	0.670	1.5	16910	503	0.780	0.800	-2.5
16404	503	0.540	0.540	0.0	16819	502	0.650	0.630	3.2	16911	501	0.740	0.780	-5.1
16471	501	0.224	0.222	0.9	16819	503	0.750	0.740	1.4	16911	502	0.750	0.760	-1.3
16471	502	0.155	0.154	0.6	16820	501	0.530	0.520	1.9	16911	503	0.700	0.720	-2.8
16471	503	0.135	0.135	0.0	16820	502	0.500	0.490	2.0	16915	501	0.840	0.880	-4.5
16501	501	0.031	0.031	0.0	16820	503	0.580	0.570	1.8	16915	502	0.850	0.870	-2.3
16501	502	0.068	0.065	4.6	16881	501	0.640	0.650	-1.5	16915	503	0.800	0.820	-2.4
16501	503	0.045	0.042	7.1	16881	502	1.210	1.190	1.7	16916	501	0.700	0.730	-4.1
16527	501	0.048	0.047	2.1	16881	503	0.780	0.770	1.3	16916	502	0.700	0.720	-2.8
16527	502	0.105	0.100	5.0	16890	501	0.080	0.078	2.6	16916	503	0.660	0.680	-2.9
16527	503	0.068	0.065	4.6	16890	502	0.076	0.074	2.7	16920	501	1.870	1.950	-4.1
16588	501	0.072	0.070	2.9	16890	503	0.088	0.087	1.1	16920	502	1.870	1.920	-2.6
16588	502	0.068	0.066	3.0	16891	501	0.087	0.085	2.4	16920	503	1.770	1.810	-2.2
16588	503	0.079	0.077	2.6	16891	502	0.082	0.081	1.2	16921	501	1.710	1.780	-3.9
16604	501	0.120	0.118	1.7	16891	503	0.096	0.094	2.1	16921	502	1.710	1.750	-2.3
16604	502	0.113	0.111	1.8	16892	501	0.159	0.155	2.6	16921	503	1.610	1.650	-2.4
16604	503	0.132	0.130	1.5	16892	502	0.150	0.147	2.0	16930	501	1.070	1.120	-4.5
16670	501	2.280	2.240	1.8	16892	503	0.174	0.172	1.2	16930	502	1.080	1.100	-1.8
16670	502	2.300	2.220	3.6	16900	501	1.370	1.430	-4.2	16930	503	1.020	1.040	-1.9
16670	503	2.890	2.800	3.2	16900	502	1.370	1.410	-2.8	16931	501	1.160	1.210	-4.1
16676	501	0.117	0.118	-0.8	16900	503	1.290	1.330	-3.0	16931	502	1.160	1.190	-2.5
16676	502	0.220	0.217	1.4	16901	501	0.880	0.920	-4.3	16931	503	1.100	1.120	-1.8
16676	503	0.142	0.141	0.7	16901	502	0.880	0.900	-2.2	16940	501	2.330	2.440	-4.5
16694	501	0.238	0.232	2.6	16901	503	0.830	0.850	-2.4	16940	502	2.340	2.390	-2.1
16694	502	0.224	0.219	2.3	16902	501	0.740	0.780	-5.1	16940	503	2.200	2.260	-2.7
16694	503	0.260	0.260	0.0	16902	502	0.750	0.760	-1.3	16941	501	0.930	0.980	-5.1
16705	501	0.089	0.088	1.1	16902	503	0.700	0.720	-2.8	16941	502	0.940	0.960	-2.1
16705	502	0.195	0.185	5.4	16905	501	1.440	1.500	-4.0	16941	503	0.880	0.900	-2.2
16705	503	0.127	0.120	5.8	16905	502	1.440	1.480	-2.7	18078	501	0.050	0.050	0.0
16750	501	0.041	0.041	0.0	16905	503	1.360	1.390	-2.2	18078	502	0.110	0.105	4.8
16750	502	0.077	0.076	1.3	16906	501	0.920	0.960	-4.2	18078	503	0.072	0.068	5.9

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18109	501	0.154	0.155	-0.6	18507	503	0.089	0.089	0.0	19795	502	0.228	0.225	1.3
18109	502	0.290	0.290	0.0	18570	501	0.770	0.780	-1.3	19795	503	0.147	0.146	0.7
18109	503	0.186	0.186	0.0	18570	502	1.450	1.430	1.4	19796	501	0.141	0.143	-1.4
18110	501	0.123	0.124	-0.8	18570	503	0.930	0.930	0.0	19796	502	0.270	0.260	3.8
18110	502	0.231	0.229	0.9	18616	501	0.192	0.188	2.1	19796	503	0.171	0.171	0.0
18110	503	0.149	0.148	0.7	18616	502	0.181	0.177	2.3	40045	501	126.000	124.000	1.6
18205	501	0.077	0.077	0.0	18616	503	0.210	0.207	1.4	40045	502	127.000	123.000	3.3
18205	502	0.170	0.161	5.6	18707	501	0.004	0.004	0.0	40045	503	160.000	155.000	3.2
18205	503	0.111	0.105	5.7	18707	502	0.009	0.009	0.0	40046	501	24.900	24.600	1.2
18206	501	0.199	0.200	-0.5	18707	503	0.006	0.006	0.0	40046	502	25.200	24.300	3.7
18206	502	0.370	0.370	0.0	18708	501	0.045	0.045	0.0	40046	503	31.600	30.600	3.3
18206	503	0.241	0.240	0.4	18708	502	0.085	0.084	1.2	40047	501	8.890	8.760	1.5
18335	501	0.143	0.145	-1.4	18708	503	0.055	0.054	1.9	40047	502	8.990	8.660	3.8
18335	502	0.270	0.270	0.0	18833	501	0.050	0.049	2.0	40047	503	11.300	10.900	3.7
18335	503	0.174	0.173	0.6	18833	502	0.109	0.104	4.8	40059	501	3.180	3.140	1.3
18435	501	0.290	0.310	-6.5	18833	503	0.071	0.067	6.0	40059	502	3.220	3.100	3.9
18435	502	0.490	0.500	-2.0	18834	501	0.117	0.118	-0.8	40059	503	4.030	3.910	3.1
18435	503	0.440	0.450	-2.2	18834	502	0.220	0.217	1.4	40061	501	1.690	1.660	1.8
18436	501	0.234	0.247	-5.3	18834	503	0.142	0.141	0.7	40061	502	1.710	1.640	4.3
18436	502	0.390	0.400	-2.5	18911	501	0.370	0.370	0.0	40061	503	2.140	2.070	3.4
18436	503	0.350	0.370	-5.4	18911	502	0.690	0.690	0.0	40063	501	56.500	55.700	1.4
18437	501	0.205	0.207	-1.0	18911	503	0.450	0.450	0.0	40063	502	57.100	55.000	3.8
18437	502	0.390	0.380	2.6	18912	501	0.690	0.700	-1.4	40063	503	71.500	69.300	3.2
18437	503	0.248	0.247	0.4	18912	502	1.310	1.290	1.6	40064	501	16.600	16.400	1.2
18438	501	0.390	0.400	-2.5	18912	503	0.840	0.840	0.0	40064	502	16.800	16.200	3.7
18438	502	0.740	0.730	1.4	18920	501	0.180	0.182	-1.1	40064	503	21.000	20.400	2.9
18438	503	0.480	0.470	2.1	18920	502	0.340	0.340	0.0	40075	501	30.100	29.400	2.4
18501	501	0.270	0.280	-3.6	18920	503	0.219	0.218	0.5	40075	502	21.600	20.500	5.4
18501	502	0.450	0.460	-2.2	19007	501	0.590	0.600	-1.7	40075	503	18.300	17.500	4.6
18501	503	0.400	0.420	-4.8	19007	502	0.930	0.920	1.1	40101	501	10.300	9.920	3.8
18506	501	0.250	0.246	1.6	19007	503	0.910	0.910	0.0	40101	502	12.800	12.000	6.7
18506	502	0.238	0.232	2.6	19051	501	1.310	1.340	-2.2	40101	503	30.200	28.400	6.3
18506	503	0.280	0.270	3.7	19051	502	2.050	2.040	0.5	40102	501	9.130	8.760	4.2
18507	501	0.074	0.074	0.0	19051	503	2.010	2.010	0.0	40102	502	11.300	10.600	6.6
18507	502	0.139	0.137	1.5	19795	501	0.121	0.122	-0.8	40102	503	26.700	25.100	6.4

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 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
40111	501	4.470	4.410	1.4	41667	503	66.100	64.100	3.1	43152	502	14.500	13.500	7.4
40111	502	4.520	4.360	3.7	41668	501	48.900	48.200	1.5	43152	503	16.700	15.600	7.1
40111	503	5.670	5.490	3.3	41668	502	49.500	47.700	3.8	43200	501	57.000	55.600	2.5
41001	501	0.151	0.149	1.3	41668	503	62.000	60.100	3.2	43200	502	40.900	38.900	5.1
41001	502	0.153	0.147	4.1	41669	501	0.340	0.340	0.0	43200	503	34.700	33.100	4.8
41001	503	0.191	0.185	3.2	41669	502	0.350	0.330	6.1	43421	501	15.600	15.200	2.6
41421	501	0.390	0.420	-7.1	41669	503	0.430	0.420	2.4	43421	502	11.200	10.700	4.7
41421	502	0.340	0.350	-2.9	41670	501	0.580	0.570	1.8	43421	503	9.510	9.080	4.7
41421	503	0.410	0.420	-2.4	41670	502	0.580	0.560	3.6	43422	501	82.000	79.900	2.6
41422	501	0.209	0.222	-5.9	41670	503	0.730	0.710	2.8	43422	502	58.800	55.900	5.2
41422	502	0.181	0.188	-3.7	41677	501	0.233	0.229	1.7	43422	503	49.900	47.600	4.8
41422	503	0.216	0.225	-4.0	41677	502	0.161	0.159	1.3	43470	501	4.300	4.250	1.2
41510	501	18.500	18.700	-1.1	41677	503	0.139	0.139	0.0	43470	502	2.980	2.940	1.4
41510	502	34.900	34.500	1.2	41678	501	36.500	34.900	4.6	43470	503	2.580	2.580	0.0
41510	503	22.500	22.400	0.4	41678	502	48.300	45.000	7.3	43518	501	8.190	8.070	1.5
41603	501	18.600	19.700	-5.6	41678	503	55.600	52.200	6.5	43518	502	8.280	7.980	3.8
41603	502	16.100	16.700	-3.6	41680	501	13.600	14.400	-5.6	43518	503	10.400	10.100	3.0
41603	503	19.200	20.000	-4.0	41680	502	11.800	12.200	-3.3	43550	501	55.800	54.300	2.8
41604	501	10.200	10.800	-5.6	41680	503	14.100	14.700	-4.1	43550	502	40.000	38.000	5.3
41604	502	8.840	9.150	-3.4	41696	501	0.740	0.730	1.4	43550	503	33.900	32.400	4.6
41604	503	10.500	11.000	-4.5	41696	502	0.510	0.510	0.0	43551	501	30.900	30.100	2.7
41620	501	1.130	1.120	0.9	41696	503	0.440	0.440	0.0	43551	502	22.200	21.100	5.2
41620	502	0.780	0.770	1.3	41697	501	0.510	0.510	0.0	43551	503	18.800	18.000	4.4
41620	503	0.680	0.680	0.0	41697	502	0.360	0.350	2.9	43626	501	6.540	6.450	1.4
41650	501	26.100	27.700	-5.8	41697	503	0.310	0.310	0.0	43626	502	6.610	6.370	3.8
41650	502	22.700	23.500	-3.4	41715	501	8.630	9.140	-5.6	43626	503	8.290	8.040	3.1
41650	503	27.000	28.200	-4.3	41715	502	7.480	7.740	-3.4	43628	501	85.000	83.800	1.4
41664	501	19.100	18.800	1.6	41715	503	8.930	9.300	-4.0	43628	502	86.000	82.800	3.9
41664	502	19.300	18.600	3.8	41716	501	5.490	5.820	-5.7	43628	503	108.000	104.000	3.8
41664	503	24.200	23.400	3.4	41716	502	4.760	4.930	-3.4	43629	501	72.100	71.000	1.5
41665	501	2.240	2.200	1.8	41716	503	5.680	5.920	-4.1	43629	502	72.800	70.200	3.7
41665	502	2.260	2.180	3.7	43151	501	15.000	14.600	2.7	43629	503	91.300	88.500	3.2
41665	503	2.830	2.750	2.9	43151	502	10.700	10.200	4.9	43760	501	2.400	2.370	1.3
41667	501	52.200	51.500	1.4	43151	503	9.110	8.700	4.7	43760	502	2.430	2.340	3.8
41667	502	52.800	50.800	3.9	43152	501	10.900	10.400	4.8	43760	503	3.040	2.950	3.1

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43822	501	3.400	3.350	1.5	44102	503	3.270	3.160	3.5	44315	502	2.870	2.770	3.6
43822	502	2.360	2.320	1.7	44103	501	2.130	2.090	1.9	44315	503	3.600	3.490	3.2
43822	503	2.040	2.030	0.5	44103	502	2.570	2.470	4.0	44427	501	37.400	35.900	4.2
43840	501	0.042	0.042	0.0	44103	503	2.890	2.790	3.6	44427	502	46.100	43.500	6.0
43840	502	0.029	0.029	0.0	44104	501	0.890	0.880	1.1	44427	503	109.000	103.000	5.8
43840	503	0.025	0.025	0.0	44104	502	1.080	1.040	3.8	44428	501	37.600	36.100	4.2
43860	501	2.690	2.660	1.1	44104	503	1.220	1.170	4.3	44428	502	46.400	43.700	6.2
43860	502	1.860	1.840	1.1	44108	501	1.050	1.030	1.9	44428	503	110.000	103.000	6.8
43860	503	1.610	1.620	-0.6	44108	502	1.260	1.210	4.1	44429	501	0.560	0.540	3.7
43889	501	0.960	0.950	1.1	44108	503	1.420	1.380	2.9	44429	502	0.700	0.660	6.1
43889	502	0.670	0.660	1.5	44109	501	2.650	2.610	1.5	44429	503	1.650	1.550	6.5
43889	503	0.580	0.580	0.0	44109	502	3.200	3.070	4.2	44430	501	0.390	0.380	2.6
44009	501	1.850	1.880	-1.6	44109	503	3.600	3.480	3.4	44430	502	0.480	0.460	4.3
44009	502	2.880	2.870	0.3	44110	501	2.710	2.670	1.5	44430	503	1.140	1.080	5.6
44009	503	2.820	2.830	-0.4	44110	502	3.270	3.140	4.1	44431	501	1.250	1.200	4.2
44069	501	7.000	6.900	1.4	44110	503	3.690	3.560	3.7	44431	502	1.540	1.460	5.5
44069	502	7.070	6.810	3.8	44111	501	1.660	1.640	1.2	44431	503	3.660	3.440	6.4
44069	503	8.860	8.590	3.1	44111	502	2.010	1.930	4.1	44432	501	0.400	0.380	5.3
44070	501	2.070	2.040	1.5	44111	503	2.260	2.190	3.2	44432	502	0.490	0.460	6.5
44070	502	2.090	2.020	3.5	44112	501	0.990	0.970	2.1	44432	503	1.160	1.090	6.4
44070	503	2.620	2.540	3.1	44112	502	1.190	1.140	4.4	44433	501	12.600	12.100	4.1
44071	501	2.300	2.270	1.3	44112	503	1.340	1.300	3.1	44433	502	15.600	14.700	6.1
44071	502	2.330	2.240	4.0	44276	501	76.500	74.600	2.5	44433	503	36.900	34.800	6.0
44071	503	2.920	2.830	3.2	44276	502	54.900	52.200	5.2	44434	501	24.200	23.200	4.3
44072	501	1.590	1.570	1.3	44276	503	46.600	44.500	4.7	44434	502	29.800	28.100	6.0
44072	502	1.610	1.550	3.9	44277	501	49.600	48.300	2.7	44434	503	70.600	66.500	6.2
44072	503	2.020	1.950	3.6	44277	502	35.600	33.800	5.3	44435	501	25.000	24.000	4.2
44100	501	2.960	2.910	1.7	44277	503	30.200	28.800	4.9	44435	502	30.900	29.100	6.2
44100	502	3.570	3.430	4.1	44280	501	0.233	0.229	1.7	44435	503	73.100	68.800	6.3
44100	503	4.020	3.890	3.3	44280	502	0.161	0.159	1.3	44436	501	29.200	28.000	4.3
44101	501	3.080	3.030	1.7	44280	503	0.139	0.139	0.0	44436	502	36.100	34.000	6.2
44101	502	3.720	3.570	4.2	44311	501	4.230	4.170	1.4	44436	503	85.400	80.400	6.2
44101	503	4.190	4.050	3.5	44311	502	4.270	4.120	3.6	44437	501	24.200	23.200	4.3
44102	501	2.400	2.370	1.3	44311	503	5.350	5.190	3.1	44437	502	29.900	28.200	6.0
44102	502	2.900	2.790	3.9	44315	501	2.840	2.800	1.4	44437	503	70.800	66.600	6.3

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44438	501	19.100	18.400	3.8	45678	503	0.151	0.151	0.0	46427	502	32.900	30.700	7.2
44438	502	23.600	22.300	5.8	45771	501	0.225	0.220	2.3	46427	503	37.900	35.600	6.5
44438	503	55.900	52.700	6.1	45771	502	0.212	0.207	2.4	46603	501	1.560	1.490	4.7
44439	501	37.300	35.700	4.5	45771	503	0.247	0.243	1.6	46603	502	2.070	1.930	7.3
44439	502	46.000	43.400	6.0	45819	501	0.073	0.071	2.8	46603	503	2.380	2.230	6.7
44439	503	109.000	103.000	5.8	45819	502	0.069	0.067	3.0	46604	501	1.800	1.720	4.7
44440	501	30.800	29.600	4.1	45819	503	0.080	0.079	1.3	46604	502	2.390	2.220	7.7
44440	502	38.000	35.900	5.8	45900	501	0.043	0.043	0.0	46604	503	2.750	2.580	6.6
44440	503	90.100	84.800	6.3	45900	502	0.081	0.080	1.2	46606	501	4.800	4.590	4.6
45190	501	2.350	2.400	-2.1	45900	503	0.052	0.052	0.0	46606	502	6.360	5.930	7.3
45190	502	1.310	1.300	0.8	45901	501	0.037	0.037	0.0	46606	503	7.320	6.870	6.6
45190	503	1.880	1.890	-0.5	45901	502	0.069	0.069	0.0	46607	501	6.610	6.310	4.8
45191	501	1.670	1.700	-1.8	45901	503	0.045	0.045	0.0	46607	502	8.750	8.150	7.4
45191	502	0.930	0.930	0.0	45937	501	0.129	0.126	2.4	46607	503	10.100	9.450	6.9
45191	503	1.340	1.340	0.0	45937	502	0.092	0.088	4.5	46622	501	9.990	9.880	1.1
45192	501	1.950	1.990	-2.0	45937	503	0.078	0.075	4.0	46622	502	6.920	6.840	1.2
45192	502	1.090	1.080	0.9	46004	501	24.800	26.300	-5.7	46622	503	5.990	6.000	-0.2
45192	503	1.560	1.570	-0.6	46004	502	21.500	22.300	-3.6	46700	501	115.000	112.000	2.7
45193	501	1.150	1.170	-1.7	46004	503	25.700	26.800	-4.1	46700	502	82.300	78.200	5.2
45193	502	0.640	0.640	0.0	46005	501	19.900	21.000	-5.2	46700	503	69.800	66.600	4.8
45193	503	0.920	0.920	0.0	46005	502	17.200	17.800	-3.4	46911	501	13.000	12.800	1.6
45210	501	1.460	1.490	-2.0	46005	503	20.600	21.400	-3.7	46911	502	13.100	12.600	4.0
45210	502	0.810	0.810	0.0	46112	501	0.041	0.039	5.1	46911	503	16.400	15.900	3.1
45210	503	1.170	1.170	0.0	46112	502	0.050	0.047	6.4	46912	501	23.700	23.400	1.3
45334	501	32.900	32.000	2.8	46112	503	0.119	0.112	6.3	46912	502	24.000	23.100	3.9
45334	502	23.600	22.400	5.4	46202	501	2.980	3.050	-2.3	46912	503	30.000	29.100	3.1
45334	503	20.000	19.100	4.7	46202	502	1.660	1.660	0.0	47050	501	0.930	0.910	2.2
45380	501	0.148	0.144	2.8	46202	503	2.390	2.400	-0.4	47050	502	0.650	0.630	3.2
45380	502	0.139	0.136	2.2	46362	501	127.000	122.000	4.1	47050	503	0.560	0.550	1.8
45380	503	0.162	0.159	1.9	46362	502	169.000	157.000	7.6	47221	501	126.000	123.000	2.4
45450	501	9.670	9.420	2.7	46362	503	194.000	182.000	6.6	47221	502	90.300	85.800	5.2
45450	502	6.940	6.590	5.3	46426	501	18.600	17.800	4.5	47221	503	76.500	73.100	4.7
45450	503	5.880	5.620	4.6	46426	502	24.700	23.000	7.4	47318	501	5.320	5.250	1.3
45678	501	0.250	0.250	0.0	46426	503	28.400	26.600	6.8	47318	502	5.380	5.180	3.9
45678	502	0.175	0.173	1.2	46427	501	24.900	23.800	4.6	47318	503	6.740	6.540	3.1

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47367	501	0.233	0.229	1.7	48206	503	21.900	21.300	2.8	49181	502	9.480	9.010	5.2
47367	502	0.161	0.159	1.3	48441	501	0.073	0.072	1.4	49181	503	8.040	7.680	4.7
47367	503	0.139	0.139	0.0	48441	502	0.073	0.071	2.8	49183	501	16.100	15.700	2.5
47420	501	1.170	1.150	1.7	48441	503	0.092	0.089	3.4	49183	502	11.600	11.000	5.5
47420	502	1.180	1.140	3.5	48557	501	7.270	7.170	1.4	49183	503	9.800	9.360	4.7
47420	503	1.480	1.430	3.5	48557	502	7.350	7.080	3.8	49184	501	34.000	33.100	2.7
47469	501	3.920	4.150	-5.5	48557	503	9.210	8.930	3.1	49184	502	24.400	23.200	5.2
47469	502	3.400	3.520	-3.4	48558	501	6.320	6.230	1.4	49184	503	20.700	19.700	5.1
47469	503	4.060	4.230	-4.0	48558	502	6.390	6.160	3.7	49185	501	30.900	30.100	2.7
47471	501	3.400	3.600	-5.6	48558	503	8.010	7.770	3.1	49185	502	22.200	21.100	5.2
47471	502	2.950	3.050	-3.3	48600	501	37.200	35.600	4.5	49185	503	18.800	18.000	4.4
47471	503	3.520	3.660	-3.8	48600	502	49.300	45.900	7.4	49239	501	0.110	0.108	1.9
47473	501	4.440	4.710	-5.7	48600	503	56.700	53.300	6.4	49239	502	0.104	0.102	2.0
47473	502	3.860	3.990	-3.3	48636	501	1.010	1.000	1.0	49239	503	0.121	0.119	1.7
47473	503	4.600	4.790	-4.0	48636	502	0.990	0.970	2.1	49292	501	0.970	0.940	3.2
47474	501	4.970	5.260	-5.5	48636	503	0.830	0.820	1.2	49292	502	0.690	0.660	4.5
47474	502	4.310	4.460	-3.4	48637	501	5.560	5.480	1.5	49292	503	0.590	0.560	5.4
47474	503	5.140	5.350	-3.9	48637	502	5.620	5.410	3.9	49333	501	7.090	6.910	2.6
47475	501	3.920	4.150	-5.5	48637	503	7.040	6.820	3.2	49333	502	5.090	4.830	5.4
47475	502	3.400	3.520	-3.4	48638	501	2.760	2.720	1.5	49333	503	4.310	4.120	4.6
47475	503	4.060	4.230	-4.0	48638	502	2.790	2.690	3.7	49617	501	0.125	0.127	-1.6
47476	501	3.920	4.150	-5.5	48638	503	3.490	3.390	2.9	49617	502	0.195	0.194	0.5
47476	502	3.400	3.520	-3.4	48808	501	0.630	0.640	-1.6	49617	503	0.191	0.191	0.0
47476	503	4.060	4.230	-4.0	48808	502	1.200	1.180	1.7	49618	501	0.105	0.107	-1.9
47477	501	5.230	5.540	-5.6	48808	503	0.770	0.770	0.0	49618	502	0.164	0.163	0.6
47477	502	4.540	4.690	-3.2	48925	501	133.000	131.000	1.5	49618	503	0.160	0.160	0.0
47477	503	5.410	5.640	-4.1	48925	502	134.000	129.000	3.9	49619	501	0.197	0.201	-2.0
47478	501	5.490	5.820	-5.7	48925	503	168.000	163.000	3.1	49619	502	0.310	0.310	0.0
47478	502	4.760	4.930	-3.4	49005	501	0.159	0.157	1.3	49619	503	0.300	0.300	0.0
47478	503	5.680	5.920	-4.1	49005	502	0.110	0.109	0.9	49763	501	1.280	1.310	-2.3
48039	501	40.400	39.400	2.5	49005	503	0.095	0.095	0.0	49763	502	2.000	1.990	0.5
48039	502	29.000	27.600	5.1	49111	501	0.970	0.980	-1.0	49763	503	1.960	1.960	0.0
48039	503	24.600	23.500	4.7	49111	502	1.830	1.810	1.1	49801	501	111.000	108.000	2.8
48206	501	17.300	17.100	1.2	49111	503	1.180	1.170	0.9	49801	502	79.500	75.600	5.2
48206	502	17.500	16.900	3.6	49181	501	13.200	12.900	2.3	49801	503	67.400	64.400	4.7

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STATE: 22 - MINNESOTA
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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
49802	501	9.830	9.570	2.7	50045	503	0.083	0.083	0.0	51224	502	0.144	0.143	0.7
49802	502	7.050	6.700	5.2	50047	501	0.018	0.019	-5.3	51224	503	0.121	0.121	0.0
49802	503	5.980	5.710	4.7	50047	502	0.017	0.017	0.0	51230	501	0.025	0.025	0.0
49803	501	17.400	17.000	2.4	50047	503	0.009	0.009	0.0	51230	502	0.025	0.024	4.2
49803	502	12.500	11.900	5.0	51001	501	0.035	0.035	0.0	51230	503	0.021	0.021	0.0
49803	503	10.600	10.100	5.0	51001	502	0.034	0.034	0.0	51240	501	0.290	0.300	-3.3
49840	501	0.960	0.950	1.1	51001	503	0.029	0.029	0.0	51240	502	0.270	0.280	-3.6
49840	502	0.670	0.660	1.5	51005	501	0.007	0.007	0.0	51240	503	0.151	0.151	0.0
49840	503	0.580	0.580	0.0	51005	502	0.007	0.007	0.0	51241	501	0.880	0.900	-2.2
49870	501	55.600	54.800	1.5	51005	503	0.006	0.006	0.0	51241	502	0.820	0.840	-2.4
49870	502	56.200	54.100	3.9	51116	501	0.089	0.087	2.3	51241	503	0.450	0.450	0.0
49870	503	70.400	68.200	3.2	51116	502	0.086	0.085	1.2	51250	501	0.162	0.159	1.9
50010	501	0.143	0.147	-2.7	51116	503	0.072	0.072	0.0	51250	502	0.157	0.155	1.3
50010	502	0.134	0.137	-2.2	51201	501	0.025	0.025	0.0	51250	503	0.132	0.132	0.0
50010	503	0.073	0.074	-1.4	51201	502	0.023	0.023	0.0	51251	501	0.025	0.026	-3.8
50011	501	0.057	0.056	1.8	51201	503	0.013	0.013	0.0	51251	502	0.024	0.024	0.0
50011	502	0.055	0.055	0.0	51205	501	0.075	0.076	-1.3	51251	503	0.013	0.013	0.0
50011	503	0.046	0.046	0.0	51205	502	0.070	0.071	-1.4	51252	501	0.089	0.091	-2.2
50012	501	0.053	0.054	-1.9	51205	503	0.038	0.038	0.0	51252	502	0.083	0.085	-2.4
50012	502	0.049	0.051	-3.9	51206	501	0.012	0.012	0.0	51252	503	0.046	0.046	0.0
50012	503	0.027	0.027	0.0	51206	502	0.011	0.011	0.0	51253	501	0.076	0.078	-2.6
50015	501	0.093	0.095	-2.1	51206	503	0.006	0.006	0.0	51253	502	0.071	0.072	-1.4
50015	502	0.087	0.089	-2.2	51210	501	0.061	0.060	1.7	51253	503	0.039	0.039	0.0
50015	503	0.048	0.048	0.0	51210	502	0.059	0.059	0.0	51254	501	0.024	0.024	0.0
50017	501	0.071	0.073	-2.7	51210	503	0.050	0.050	0.0	51254	502	0.022	0.023	-4.3
50017	502	0.066	0.068	-2.9	51220	501	0.211	0.207	1.9	51254	503	0.012	0.012	0.0
50017	503	0.036	0.036	0.0	51220	502	0.204	0.202	1.0	51255	501	0.410	0.400	2.5
50018	501	0.052	0.051	2.0	51220	503	0.171	0.171	0.0	51255	502	0.400	0.390	2.6
50018	502	0.050	0.050	0.0	51221	501	0.117	0.115	1.7	51255	503	0.330	0.330	0.0
50018	503	0.042	0.042	0.0	51221	502	0.113	0.112	0.9	51300	501	0.103	0.102	1.0
50019	501	0.038	0.039	-2.6	51221	503	0.095	0.095	0.0	51300	502	0.092	0.091	1.1
50019	502	0.035	0.036	-2.8	51222	501	0.142	0.140	1.4	51300	503	0.056	0.056	0.0
50019	503	0.019	0.019	0.0	51222	502	0.138	0.136	1.5	51305	501	0.103	0.102	1.0
50045	501	0.162	0.166	-2.4	51222	503	0.116	0.116	0.0	51305	502	0.092	0.091	1.1
50045	502	0.151	0.155	-2.6	51224	501	0.149	0.147	1.4	51305	503	0.056	0.056	0.0

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LOSS COST % CHANGE BY CLASS

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51315	501	0.072	0.070	2.9	51359	503	0.236	0.232	1.7	51554	502	0.006	0.007	-14.3
51315	502	0.068	0.066	3.0	51370	501	0.290	0.290	0.0	51554	503	0.004	0.004	0.0
51315	503	0.079	0.077	2.6	51370	502	0.270	0.270	0.0	51575	501	0.046	0.046	0.0
51330	501	0.062	0.061	1.6	51370	503	0.148	0.148	0.0	51575	502	0.041	0.041	0.0
51330	502	0.060	0.060	0.0	51380	501	0.029	0.029	0.0	51575	503	0.025	0.025	0.0
51330	503	0.051	0.051	0.0	51380	502	0.027	0.027	0.0	51576	501	0.129	0.132	-2.3
51333	501	0.020	0.020	0.0	51380	503	0.015	0.015	0.0	51576	502	0.121	0.123	-1.6
51333	502	0.020	0.020	0.0	51400	501	0.146	0.144	1.4	51576	503	0.066	0.066	0.0
51333	503	0.017	0.017	0.0	51400	502	0.142	0.140	1.4	51600	501	0.088	0.090	-2.2
51340	501	0.024	0.025	-4.0	51400	503	0.119	0.119	0.0	51600	502	0.082	0.084	-2.4
51340	502	0.023	0.023	0.0	51401	501	0.215	0.212	1.4	51600	503	0.045	0.045	0.0
51340	503	0.012	0.012	0.0	51401	502	0.209	0.207	1.0	51613	501	0.058	0.060	-3.3
51350	501	0.173	0.171	1.2	51401	503	0.175	0.175	0.0	51613	502	0.054	0.055	-1.8
51350	502	0.154	0.154	0.0	51500	501	0.054	0.056	-3.6	51613	503	0.030	0.030	0.0
51350	503	0.095	0.094	1.1	51500	502	0.051	0.052	-1.9	51625	501	0.032	0.032	0.0
51351	501	0.155	0.153	1.3	51500	503	0.028	0.028	0.0	51625	502	0.031	0.031	0.0
51351	502	0.138	0.138	0.0	51516	501	0.070	0.069	1.4	51625	503	0.026	0.026	0.0
51351	503	0.085	0.085	0.0	51516	502	0.049	0.048	2.1	51666	501	0.073	0.073	0.0
51352	501	0.212	0.211	0.5	51516	503	0.042	0.042	0.0	51666	502	0.066	0.065	1.5
51352	502	0.190	0.189	0.5	51517	501	0.079	0.079	0.0	51666	503	0.040	0.040	0.0
51352	503	0.116	0.116	0.0	51517	502	0.055	0.054	1.9	51702	501	0.096	0.095	1.1
51355	501	0.145	0.143	1.4	51517	503	0.048	0.048	0.0	51702	502	0.093	0.093	0.0
51355	502	0.129	0.129	0.0	51550	501	0.067	0.069	-2.9	51702	503	0.079	0.079	0.0
51355	503	0.079	0.079	0.0	51550	502	0.063	0.064	-1.6	51703	501	0.040	0.039	2.6
51356	501	0.156	0.155	0.6	51550	503	0.034	0.035	-2.9	51703	502	0.039	0.038	2.6
51356	502	0.139	0.139	0.0	51551	501	0.023	0.024	-4.2	51703	503	0.033	0.033	0.0
51356	503	0.085	0.085	0.0	51551	502	0.022	0.022	0.0	51734	501	0.075	0.074	1.4
51357	501	0.102	0.099	3.0	51551	503	0.012	0.012	0.0	51734	502	0.073	0.072	1.4
51357	502	0.096	0.094	2.1	51552	501	0.041	0.041	0.0	51734	503	0.061	0.061	0.0
51357	503	0.111	0.110	0.9	51552	502	0.038	0.039	-2.6	51741	501	0.153	0.157	-2.5
51358	501	0.245	0.239	2.5	51552	503	0.021	0.021	0.0	51741	502	0.143	0.146	-2.1
51358	502	0.231	0.226	2.2	51553	501	0.072	0.074	-2.7	51741	503	0.079	0.079	0.0
51358	503	0.270	0.260	3.8	51553	502	0.067	0.069	-2.9	51752	501	0.129	0.132	-2.3
51359	501	0.215	0.210	2.4	51553	503	0.037	0.037	0.0	51752	502	0.121	0.123	-1.6
51359	502	0.203	0.198	2.5	51554	501	0.007	0.007	0.0	51752	503	0.066	0.066	0.0

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51767	501	0.021	0.021	0.0	51854	503	0.176	0.176	0.0	51927	502	0.032	0.032	0.0
51767	502	0.019	0.019	0.0	51855	501	0.227	0.223	1.8	51927	503	0.017	0.017	0.0
51767	503	0.012	0.012	0.0	51855	502	0.220	0.218	0.9	51934	501	0.069	0.070	-1.4
51777	501	0.075	0.074	1.4	51855	503	0.185	0.185	0.0	51934	502	0.064	0.066	-3.0
51777	502	0.067	0.066	1.5	51856	501	0.125	0.123	1.6	51934	503	0.035	0.035	0.0
51777	503	0.041	0.041	0.0	51856	502	0.121	0.120	0.8	51941	501	0.062	0.064	-3.1
51790	501	0.124	0.123	0.8	51856	503	0.102	0.102	0.0	51941	502	0.058	0.060	-3.3
51790	502	0.111	0.111	0.0	51857	501	0.213	0.210	1.4	51941	503	0.032	0.032	0.0
51790	503	0.068	0.068	0.0	51857	502	0.207	0.205	1.0	51942	501	0.100	0.102	-2.0
51796	501	0.056	0.057	-1.8	51857	503	0.174	0.174	0.0	51942	502	0.093	0.095	-2.1
51796	502	0.052	0.053	-1.9	51869	501	0.066	0.067	-1.5	51942	503	0.051	0.051	0.0
51796	503	0.029	0.029	0.0	51869	502	0.061	0.063	-3.2	51956	501	0.270	0.280	-3.6
51808	501	0.199	0.203	-2.0	51869	503	0.034	0.034	0.0	51956	502	0.250	0.260	-3.8
51808	502	0.185	0.189	-2.1	51877	501	0.370	0.380	-2.6	51956	503	0.138	0.138	0.0
51808	503	0.102	0.102	0.0	51877	502	0.350	0.350	0.0	51957	501	0.238	0.243	-2.1
51809	501	0.247	0.250	-1.2	51877	503	0.190	0.190	0.0	51957	502	0.221	0.226	-2.2
51809	502	0.230	0.235	-2.1	51889	501	0.061	0.062	-1.6	51957	503	0.122	0.122	0.0
51809	503	0.126	0.127	-0.8	51889	502	0.057	0.058	-1.7	51958	501	0.211	0.216	-2.3
51833	501	0.112	0.111	0.9	51889	503	0.031	0.031	0.0	51958	502	0.197	0.201	-2.0
51833	502	0.100	0.100	0.0	51896	501	0.029	0.029	0.0	51958	503	0.108	0.108	0.0
51833	503	0.061	0.061	0.0	51896	502	0.027	0.027	0.0	51959	501	0.216	0.221	-2.3
51850	501	0.151	0.149	1.3	51896	503	0.015	0.015	0.0	51959	502	0.201	0.206	-2.4
51850	502	0.146	0.145	0.7	51900	501	0.084	0.083	1.2	51959	503	0.111	0.111	0.0
51850	503	0.123	0.123	0.0	51900	502	0.075	0.074	1.4	51960	501	0.029	0.029	0.0
51851	501	0.102	0.101	1.0	51900	503	0.046	0.046	0.0	51960	502	0.027	0.027	0.0
51851	502	0.099	0.098	1.0	51909	501	0.136	0.134	1.5	51960	503	0.015	0.015	0.0
51851	503	0.083	0.083	0.0	51909	502	0.132	0.131	0.8	51970	501	0.124	0.127	-2.4
51852	501	0.240	0.236	1.7	51909	503	0.111	0.111	0.0	51970	502	0.116	0.118	-1.7
51852	502	0.232	0.230	0.9	51919	501	0.062	0.063	-1.6	51970	503	0.064	0.064	0.0
51852	503	0.195	0.195	0.0	51919	502	0.057	0.059	-3.4	51982	501	0.037	0.037	0.0
51853	501	0.096	0.095	1.1	51919	503	0.032	0.032	0.0	51982	502	0.034	0.035	-2.9
51853	502	0.093	0.093	0.0	51926	501	0.063	0.064	-1.6	51982	503	0.019	0.019	0.0
51853	503	0.079	0.079	0.0	51926	502	0.058	0.060	-3.3	51985	501	0.065	0.065	0.0
51854	501	0.216	0.213	1.4	51926	503	0.032	0.032	0.0	51985	502	0.045	0.045	0.0
51854	502	0.210	0.208	1.0	51927	501	0.034	0.035	-2.9	51985	503	0.039	0.039	0.0

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51986	501	0.143	0.147	-2.7	52342	503	0.069	0.069	0.0	52547	502	0.134	0.133	0.8
51986	502	0.134	0.137	-2.2	52343	501	0.052	0.051	2.0	52547	503	0.113	0.113	0.0
51986	503	0.073	0.074	-1.4	52343	502	0.050	0.050	0.0	52581	501	0.680	0.690	-1.4
51999	501	0.060	0.062	-3.2	52343	503	0.042	0.042	0.0	52581	502	0.630	0.650	-3.1
51999	502	0.056	0.058	-3.4	52401	501	0.160	0.157	1.9	52581	503	0.350	0.350	0.0
51999	503	0.031	0.031	0.0	52401	502	0.155	0.153	1.3	52619	501	0.048	0.049	-2.0
52002	501	0.053	0.054	-1.9	52401	503	0.130	0.130	0.0	52619	502	0.044	0.045	-2.2
52002	502	0.049	0.051	-3.9	52402	501	0.013	0.014	-7.1	52619	503	0.024	0.024	0.0
52002	503	0.027	0.027	0.0	52402	502	0.012	0.013	-7.7	52660	501	0.083	0.082	1.2
52075	501	0.119	0.117	1.7	52402	503	0.007	0.007	0.0	52660	502	0.058	0.057	1.8
52075	502	0.115	0.114	0.9	52432	501	0.066	0.068	-2.9	52660	503	0.050	0.050	0.0
52075	503	0.097	0.097	0.0	52432	502	0.062	0.063	-1.6	52744	501	0.430	0.420	2.4
52076	501	0.143	0.141	1.4	52432	503	0.034	0.034	0.0	52744	502	0.380	0.380	0.0
52076	502	0.139	0.137	1.5	52433	501	0.061	0.062	-1.6	52744	503	0.235	0.234	0.4
52076	503	0.117	0.117	0.0	52433	502	0.057	0.058	-1.7	52767	501	0.127	0.125	1.6
52109	501	0.013	0.014	-7.1	52433	503	0.031	0.031	0.0	52767	502	0.123	0.122	0.8
52109	502	0.012	0.013	-7.7	52435	501	0.076	0.078	-2.6	52767	503	0.103	0.103	0.0
52109	503	0.007	0.007	0.0	52435	502	0.071	0.073	-2.7	52911	501	0.038	0.039	-2.6
52134	501	0.178	0.182	-2.2	52435	503	0.039	0.039	0.0	52911	502	0.035	0.036	-2.8
52134	502	0.165	0.169	-2.4	52438	501	0.055	0.056	-1.8	52911	503	0.019	0.019	0.0
52134	503	0.091	0.091	0.0	52438	502	0.051	0.052	-1.9	52967	501	0.014	0.015	-6.7
52137	501	0.047	0.046	2.2	52438	503	0.028	0.028	0.0	52967	502	0.013	0.014	-7.1
52137	502	0.045	0.045	0.0	52440	501	0.086	0.088	-2.3	52967	503	0.007	0.007	0.0
52137	503	0.038	0.038	0.0	52440	502	0.080	0.082	-2.4	53001	501	0.139	0.143	-2.8
52150	501	0.330	0.330	0.0	52440	503	0.044	0.044	0.0	53001	502	0.130	0.133	-2.3
52150	502	0.300	0.310	-3.2	52467	501	0.080	0.082	-2.4	53001	503	0.071	0.072	-1.4
52150	503	0.168	0.168	0.0	52467	502	0.074	0.076	-2.6	53077	501	0.067	0.069	-2.9
52315	501	0.097	0.096	1.0	52467	503	0.041	0.041	0.0	53077	502	0.062	0.064	-3.1
52315	502	0.087	0.086	1.2	52469	501	0.028	0.029	-3.4	53077	503	0.034	0.034	0.0
52315	503	0.053	0.053	0.0	52469	502	0.026	0.027	-3.7	53095	501	0.046	0.047	-2.1
52341	501	0.029	0.029	0.0	52469	503	0.014	0.014	0.0	53095	502	0.043	0.044	-2.3
52341	502	0.028	0.028	0.0	52505	501	0.139	0.142	-2.1	53095	503	0.024	0.024	0.0
52341	503	0.024	0.024	0.0	52505	502	0.130	0.133	-2.3	53096	501	0.064	0.065	-1.5
52342	501	0.085	0.083	2.4	52505	503	0.071	0.071	0.0	53096	502	0.059	0.061	-3.3
52342	502	0.082	0.081	1.2	52547	501	0.138	0.136	1.5	53096	503	0.033	0.033	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
53121	501	0.182	0.186	-2.2	53565	503	0.040	0.040	0.0	55011	502	0.069	0.071	-2.8
53121	502	0.169	0.173	-2.3	53631	501	0.021	0.022	-4.5	55011	503	0.038	0.038	0.0
53121	503	0.093	0.093	0.0	53631	502	0.020	0.020	0.0	55012	501	0.089	0.091	-2.2
53147	501	0.021	0.021	0.0	53631	503	0.011	0.011	0.0	55012	502	0.083	0.085	-2.4
53147	502	0.021	0.021	0.0	53632	501	0.024	0.025	-4.0	55012	503	0.045	0.045	0.0
53147	503	0.017	0.017	0.0	53632	502	0.023	0.023	0.0	55013	501	0.100	0.099	1.0
53229	501	0.120	0.118	1.7	53632	503	0.012	0.012	0.0	55013	502	0.097	0.096	1.0
53229	502	0.116	0.115	0.9	53731	501	0.022	0.023	-4.3	55013	503	0.082	0.082	0.0
53229	503	0.098	0.098	0.0	53731	502	0.021	0.021	0.0	55214	501	0.072	0.074	-2.7
53271	501	0.034	0.035	-2.9	53731	503	0.011	0.011	0.0	55214	502	0.067	0.069	-2.9
53271	502	0.032	0.033	-3.0	53732	501	0.152	0.155	-1.9	55214	503	0.037	0.037	0.0
53271	503	0.018	0.018	0.0	53732	502	0.141	0.145	-2.8	55371	501	0.290	0.290	0.0
53333	501	0.118	0.116	1.7	53732	503	0.078	0.078	0.0	55371	502	0.260	0.260	0.0
53333	502	0.114	0.113	0.9	53733	501	0.099	0.101	-2.0	55371	503	0.158	0.157	0.6
53333	503	0.096	0.096	0.0	53733	502	0.092	0.094	-2.1	55426	501	0.122	0.120	1.7
53374	501	0.113	0.112	0.9	53733	503	0.051	0.051	0.0	55426	502	0.118	0.117	0.9
53374	502	0.101	0.101	0.0	53734	501	0.420	0.420	0.0	55426	503	0.099	0.099	0.0
53374	503	0.062	0.062	0.0	53734	502	0.290	0.290	0.0	55597	501	0.018	0.018	0.0
53375	501	0.060	0.059	1.7	53734	503	0.250	0.250	0.0	55597	502	0.017	0.017	0.0
53375	502	0.053	0.053	0.0	53803	501	0.270	0.260	3.8	55597	503	0.009	0.009	0.0
53375	503	0.033	0.033	0.0	53803	502	0.260	0.250	4.0	55647	501	0.036	0.037	-2.7
53376	501	0.096	0.095	1.1	53803	503	0.216	0.216	0.0	55647	502	0.033	0.034	-2.9
53376	502	0.086	0.085	1.2	53907	501	0.067	0.068	-1.5	55647	503	0.018	0.018	0.0
53376	503	0.053	0.052	1.9	53907	502	0.062	0.064	-3.1	55648	501	0.016	0.017	-5.9
53377	501	0.098	0.097	1.0	53907	503	0.034	0.034	0.0	55648	502	0.015	0.015	0.0
53377	502	0.088	0.087	1.1	54012	501	0.042	0.042	0.0	55648	503	0.008	0.008	0.0
53377	503	0.054	0.054	0.0	54012	502	0.029	0.029	0.0	55649	501	0.019	0.020	-5.0
53403	501	0.062	0.062	0.0	54012	503	0.025	0.025	0.0	55649	502	0.018	0.018	0.0
53403	502	0.055	0.055	0.0	54077	501	0.091	0.093	-2.2	55649	503	0.010	0.010	0.0
53403	503	0.034	0.034	0.0	54077	502	0.085	0.087	-2.3	55715	501	0.143	0.146	-2.1
53425	501	0.111	0.109	1.8	54077	503	0.047	0.047	0.0	55715	502	0.133	0.136	-2.2
53425	502	0.108	0.107	0.9	55010	501	0.280	0.280	0.0	55715	503	0.073	0.073	0.0
53425	503	0.091	0.091	0.0	55010	502	0.260	0.260	0.0	55716	501	0.206	0.211	-2.4
53565	501	0.072	0.072	0.0	55010	503	0.141	0.141	0.0	55716	502	0.192	0.197	-2.5
53565	502	0.065	0.064	1.6	55011	501	0.074	0.076	-2.6	55716	503	0.106	0.106	0.0

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LOSS COST % CHANGE BY CLASS

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55717	501	0.161	0.158	1.9	56390	503	0.045	0.045	0.0	56758	502	0.045	0.046	-2.2
55717	502	0.156	0.154	1.3	56391	501	0.076	0.078	-2.6	56758	503	0.025	0.025	0.0
55717	503	0.131	0.131	0.0	56391	502	0.071	0.073	-2.7	56759	501	0.049	0.050	-2.0
55718	501	0.156	0.153	2.0	56391	503	0.039	0.039	0.0	56759	502	0.046	0.047	-2.1
55718	502	0.151	0.150	0.7	56427	501	0.123	0.125	-1.6	56759	503	0.025	0.025	0.0
55718	503	0.127	0.127	0.0	56427	502	0.114	0.117	-2.6	56760	501	0.070	0.072	-2.8
55802	501	0.075	0.074	1.4	56427	503	0.063	0.063	0.0	56760	502	0.066	0.067	-1.5
55802	502	0.067	0.066	1.5	56488	501	0.124	0.123	0.8	56760	503	0.036	0.036	0.0
55802	503	0.041	0.041	0.0	56488	502	0.111	0.111	0.0	56805	501	0.093	0.095	-2.1
55918	501	0.082	0.083	-1.2	56488	503	0.068	0.068	0.0	56805	502	0.086	0.088	-2.3
55918	502	0.076	0.078	-2.6	56567	501	0.113	0.111	1.8	56805	503	0.047	0.048	-2.1
55918	503	0.042	0.042	0.0	56567	502	0.110	0.108	1.9	56806	501	0.066	0.067	-1.5
55919	501	0.011	0.011	0.0	56567	503	0.092	0.092	0.0	56806	502	0.061	0.063	-3.2
55919	502	0.010	0.011	-9.1	56650	501	0.350	0.340	2.9	56806	503	0.034	0.034	0.0
55919	503	0.006	0.006	0.0	56650	502	0.340	0.330	3.0	56807	501	0.065	0.067	-3.0
56040	501	0.008	0.008	0.0	56650	503	0.280	0.280	0.0	56807	502	0.061	0.062	-1.6
56040	502	0.007	0.007	0.0	56651	501	0.188	0.185	1.6	56807	503	0.033	0.033	0.0
56040	503	0.004	0.004	0.0	56651	502	0.182	0.180	1.1	56808	501	0.085	0.087	-2.3
56041	501	0.051	0.052	-1.9	56651	503	0.153	0.153	0.0	56808	502	0.079	0.081	-2.5
56041	502	0.047	0.048	-2.1	56652	501	0.134	0.132	1.5	56808	503	0.044	0.044	0.0
56041	503	0.026	0.026	0.0	56652	502	0.130	0.129	0.8	56900	501	0.082	0.083	-1.2
56042	501	0.064	0.065	-1.5	56652	503	0.110	0.110	0.0	56900	502	0.076	0.078	-2.6
56042	502	0.059	0.061	-3.3	56653	501	0.130	0.128	1.6	56900	503	0.042	0.042	0.0
56042	503	0.033	0.033	0.0	56653	502	0.126	0.124	1.6	56910	501	0.041	0.042	-2.4
56170	501	0.109	0.107	1.9	56653	503	0.106	0.106	0.0	56910	502	0.038	0.039	-2.6
56170	502	0.106	0.105	1.0	56654	501	0.066	0.065	1.5	56910	503	0.021	0.021	0.0
56170	503	0.089	0.089	0.0	56654	502	0.064	0.064	0.0	56911	501	0.097	0.096	1.0
56171	501	0.054	0.053	1.9	56654	503	0.054	0.054	0.0	56911	502	0.094	0.093	1.1
56171	502	0.052	0.051	2.0	56690	501	0.064	0.064	0.0	56911	503	0.079	0.079	0.0
56171	503	0.044	0.044	0.0	56690	502	0.058	0.057	1.8	56912	501	0.079	0.078	1.3
56202	501	0.051	0.052	-1.9	56690	503	0.035	0.035	0.0	56912	502	0.076	0.076	0.0
56202	502	0.047	0.048	-2.1	56699	501	0.056	0.058	-3.4	56912	503	0.064	0.064	0.0
56202	503	0.026	0.026	0.0	56699	502	0.053	0.054	-1.9	56913	501	0.064	0.063	1.6
56390	501	0.089	0.091	-2.2	56699	503	0.029	0.029	0.0	56913	502	0.062	0.062	0.0
56390	502	0.083	0.085	-2.4	56758	501	0.048	0.049	-2.0	56913	503	0.052	0.052	0.0

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56915	501	0.380	0.370	2.7	57202	503	0.032	0.032	0.0	57716	502	0.035	0.035	0.0
56915	502	0.370	0.370	0.0	57257	501	0.078	0.080	-2.5	57716	503	0.029	0.029	0.0
56915	503	0.310	0.310	0.0	57257	502	0.072	0.074	-2.7	57725	501	0.079	0.078	1.3
56916	501	0.340	0.340	0.0	57257	503	0.040	0.040	0.0	57725	502	0.076	0.076	0.0
56916	502	0.330	0.330	0.0	57401	501	0.044	0.045	-2.2	57725	503	0.064	0.064	0.0
56916	503	0.280	0.280	0.0	57401	502	0.041	0.042	-2.4	57726	501	0.061	0.060	1.7
56917	501	0.099	0.098	1.0	57401	503	0.023	0.023	0.0	57726	502	0.059	0.059	0.0
56917	502	0.096	0.095	1.1	57403	501	0.153	0.151	1.3	57726	503	0.050	0.050	0.0
56917	503	0.081	0.081	0.0	57403	502	0.136	0.136	0.0	57798	501	0.020	0.021	-4.8
56918	501	0.048	0.047	2.1	57403	503	0.084	0.083	1.2	57798	502	0.019	0.019	0.0
56918	502	0.046	0.046	0.0	57410	501	0.021	0.022	-4.5	57798	503	0.010	0.010	0.0
56918	503	0.039	0.039	0.0	57410	502	0.020	0.020	0.0	57800	501	0.076	0.077	-1.3
56919	501	0.122	0.120	1.7	57410	503	0.011	0.011	0.0	57800	502	0.070	0.072	-2.8
56919	502	0.118	0.117	0.9	57411	501	0.027	0.027	0.0	57800	503	0.039	0.039	0.0
56919	503	0.099	0.099	0.0	57411	502	0.026	0.026	0.0	57808	501	0.030	0.030	0.0
56920	501	0.111	0.109	1.8	57411	503	0.022	0.022	0.0	57808	502	0.029	0.029	0.0
56920	502	0.108	0.107	0.9	57572	501	0.013	0.013	0.0	57808	503	0.025	0.025	0.0
56920	503	0.091	0.091	0.0	57572	502	0.012	0.012	0.0	57809	501	0.031	0.031	0.0
56980	501	0.071	0.072	-1.4	57572	503	0.006	0.006	0.0	57809	502	0.030	0.030	0.0
56980	502	0.066	0.067	-1.5	57600	501	0.037	0.038	-2.6	57809	503	0.025	0.025	0.0
56980	503	0.036	0.036	0.0	57600	502	0.035	0.036	-2.8	57810	501	0.030	0.030	0.0
57001	501	0.024	0.025	-4.0	57600	503	0.019	0.019	0.0	57810	502	0.029	0.029	0.0
57001	502	0.023	0.023	0.0	57611	501	0.058	0.058	0.0	57810	503	0.025	0.025	0.0
57001	503	0.012	0.012	0.0	57611	502	0.057	0.056	1.8	57871	501	0.036	0.035	2.9
57002	501	0.016	0.016	0.0	57611	503	0.048	0.048	0.0	57871	502	0.035	0.035	0.0
57002	502	0.015	0.015	0.0	57625	501	0.330	0.340	-2.9	57871	503	0.029	0.029	0.0
57002	503	0.008	0.008	0.0	57625	502	0.310	0.310	0.0	57913	501	0.098	0.100	-2.0
57090	501	0.178	0.175	1.7	57625	503	0.168	0.169	-0.6	57913	502	0.091	0.093	-2.2
57090	502	0.173	0.171	1.2	57651	501	0.040	0.041	-2.4	57913	503	0.050	0.050	0.0
57090	503	0.145	0.145	0.0	57651	502	0.037	0.038	-2.6	57997	501	0.093	0.092	1.1
57146	501	0.113	0.111	1.8	57651	503	0.020	0.020	0.0	57997	502	0.065	0.064	1.6
57146	502	0.110	0.108	1.9	57690	501	0.076	0.075	1.3	57997	503	0.056	0.056	0.0
57146	503	0.092	0.092	0.0	57690	502	0.074	0.073	1.4	57998	501	0.043	0.044	-2.3
57202	501	0.063	0.064	-1.6	57690	503	0.062	0.062	0.0	57998	502	0.040	0.041	-2.4
57202	502	0.058	0.060	-3.3	57716	501	0.036	0.035	2.9	57998	503	0.022	0.022	0.0

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57999	501	0.050	0.049	2.0	58397	503	0.102	0.102	0.0	58627	502	0.130	0.133	-2.3
57999	502	0.048	0.048	0.0	58408	501	0.055	0.055	0.0	58627	503	0.071	0.071	0.0
57999	503	0.040	0.040	0.0	58408	502	0.038	0.038	0.0	58663	501	0.250	0.246	1.6
58009	501	0.050	0.049	2.0	58408	503	0.033	0.033	0.0	58663	502	0.243	0.240	1.2
58009	502	0.048	0.048	0.0	58409	501	0.070	0.069	1.4	58663	503	0.204	0.204	0.0
58009	503	0.040	0.040	0.0	58409	502	0.049	0.048	2.1	58682	501	0.124	0.127	-2.4
58010	501	0.101	0.103	-1.9	58409	503	0.042	0.042	0.0	58682	502	0.115	0.118	-2.5
58010	502	0.094	0.096	-2.1	58456	501	0.037	0.037	0.0	58682	503	0.063	0.063	0.0
58010	503	0.052	0.052	0.0	58456	502	0.026	0.026	0.0	58713	501	0.047	0.047	0.0
58020	501	0.164	0.162	1.2	58456	503	0.022	0.022	0.0	58713	502	0.042	0.042	0.0
58020	502	0.146	0.146	0.0	58457	501	0.054	0.054	0.0	58713	503	0.026	0.026	0.0
58020	503	0.090	0.090	0.0	58457	502	0.038	0.037	2.7	58737	501	0.090	0.092	-2.2
58056	501	0.120	0.123	-2.4	58457	503	0.033	0.033	0.0	58737	502	0.084	0.086	-2.3
58056	502	0.112	0.114	-1.8	58458	501	0.070	0.069	1.4	58737	503	0.046	0.046	0.0
58056	503	0.061	0.062	-1.6	58458	502	0.049	0.048	2.1	58756	501	0.047	0.046	2.2
58057	501	0.076	0.077	-1.3	58458	503	0.042	0.042	0.0	58756	502	0.045	0.045	0.0
58057	502	0.070	0.072	-2.8	58459	501	0.084	0.083	1.2	58756	503	0.038	0.038	0.0
58057	503	0.039	0.039	0.0	58459	502	0.058	0.058	0.0	58757	501	0.300	0.310	-3.2
58058	501	0.068	0.069	-1.4	58459	503	0.050	0.050	0.0	58757	502	0.280	0.290	-3.4
58058	502	0.063	0.065	-3.1	58503	501	0.053	0.054	-1.9	58757	503	0.155	0.155	0.0
58058	503	0.035	0.035	0.0	58503	502	0.049	0.051	-3.9	58759	501	0.037	0.038	-2.6
58095	501	0.096	0.098	-2.0	58503	503	0.027	0.027	0.0	58759	502	0.035	0.036	-2.8
58095	502	0.089	0.091	-2.2	58532	501	0.068	0.070	-2.9	58759	503	0.019	0.019	0.0
58095	503	0.049	0.049	0.0	58532	502	0.064	0.065	-1.5	58802	501	0.042	0.043	-2.3
58096	501	0.127	0.130	-2.3	58532	503	0.035	0.035	0.0	58802	502	0.040	0.041	-2.4
58096	502	0.118	0.121	-2.5	58559	501	0.014	0.014	0.0	58802	503	0.022	0.022	0.0
58096	503	0.065	0.065	0.0	58559	502	0.013	0.013	0.0	58813	501	0.115	0.113	1.8
58301	501	0.038	0.037	2.7	58559	503	0.007	0.007	0.0	58813	502	0.111	0.110	0.9
58301	502	0.037	0.036	2.8	58560	501	0.034	0.034	0.0	58813	503	0.094	0.094	0.0
58301	503	0.031	0.031	0.0	58560	502	0.031	0.032	-3.1	58822	501	0.117	0.120	-2.5
58302	501	0.034	0.035	-2.9	58560	503	0.017	0.017	0.0	58822	502	0.109	0.111	-1.8
58302	502	0.032	0.033	-3.0	58575	501	0.043	0.044	-2.3	58822	503	0.060	0.060	0.0
58302	503	0.018	0.018	0.0	58575	502	0.040	0.041	-2.4	58837	501	0.231	0.227	1.8
58397	501	0.199	0.203	-2.0	58575	503	0.022	0.022	0.0	58837	502	0.224	0.222	0.9
58397	502	0.185	0.189	-2.1	58627	501	0.139	0.142	-2.1	58837	503	0.188	0.188	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
58840	501	0.069	0.068	1.5	59257	503	0.007	0.007	0.0	59713	502	0.133	0.136	-2.2
58840	502	0.067	0.066	1.5	59306	501	0.086	0.088	-2.3	59713	503	0.073	0.073	0.0
58840	503	0.056	0.056	0.0	59306	502	0.080	0.082	-2.4	59722	501	0.074	0.076	-2.6
58873	501	0.110	0.108	1.9	59306	503	0.044	0.044	0.0	59722	502	0.069	0.071	-2.8
58873	502	0.107	0.106	0.9	59378	501	0.074	0.073	1.4	59722	503	0.038	0.038	0.0
58873	503	0.090	0.090	0.0	59378	502	0.072	0.071	1.4	59723	501	0.028	0.029	-3.4
58903	501	0.027	0.027	0.0	59378	503	0.060	0.060	0.0	59723	502	0.026	0.027	-3.7
58903	502	0.025	0.026	-3.8	59481	501	0.231	0.236	-2.1	59723	503	0.014	0.014	0.0
58903	503	0.014	0.014	0.0	59481	502	0.215	0.220	-2.3	59724	501	0.043	0.044	-2.3
58904	501	0.021	0.021	0.0	59481	503	0.118	0.118	0.0	59724	502	0.040	0.041	-2.4
58904	502	0.019	0.020	-5.0	59482	501	0.340	0.340	0.0	59724	503	0.022	0.022	0.0
58904	503	0.011	0.011	0.0	59482	502	0.300	0.300	0.0	59725	501	0.053	0.055	-3.6
58922	501	0.183	0.180	1.7	59482	503	0.186	0.185	0.5	59725	502	0.050	0.051	-2.0
58922	502	0.177	0.176	0.6	59537	501	0.080	0.079	1.3	59725	503	0.027	0.027	0.0
58922	503	0.149	0.149	0.0	59537	502	0.077	0.077	0.0	59726	501	0.039	0.040	-2.5
59005	501	0.051	0.052	-1.9	59537	503	0.065	0.065	0.0	59726	502	0.036	0.037	-2.7
59005	502	0.047	0.048	-2.1	59601	501	0.087	0.089	-2.2	59726	503	0.020	0.020	0.0
59005	503	0.026	0.026	0.0	59601	502	0.081	0.083	-2.4	59738	501	0.124	0.127	-2.4
59057	501	0.380	0.380	0.0	59601	503	0.045	0.045	0.0	59738	502	0.115	0.118	-2.5
59057	502	0.350	0.360	-2.8	59647	501	0.151	0.150	0.7	59738	503	0.063	0.063	0.0
59057	503	0.192	0.193	-0.5	59647	502	0.135	0.135	0.0	59750	501	0.059	0.058	1.7
59058	501	0.243	0.249	-2.4	59647	503	0.083	0.083	0.0	59750	502	0.058	0.057	1.8
59058	502	0.227	0.232	-2.2	59660	501	0.160	0.164	-2.4	59750	503	0.048	0.048	0.0
59058	503	0.125	0.125	0.0	59660	502	0.149	0.153	-2.6	59751	501	0.021	0.021	0.0
59188	501	0.330	0.320	3.1	59660	503	0.082	0.082	0.0	59751	502	0.021	0.021	0.0
59188	502	0.290	0.290	0.0	59661	501	0.078	0.080	-2.5	59751	503	0.017	0.017	0.0
59188	503	0.178	0.178	0.0	59661	502	0.073	0.075	-2.7	59773	501	0.019	0.019	0.0
59189	501	0.450	0.440	2.3	59661	503	0.040	0.040	0.0	59773	502	0.017	0.017	0.0
59189	502	0.400	0.400	0.0	59693	501	0.013	0.013	0.0	59773	503	0.011	0.010	10.0
59189	503	0.245	0.244	0.4	59693	502	0.012	0.013	-7.7	59774	501	0.016	0.016	0.0
59223	501	0.114	0.112	1.8	59693	503	0.007	0.007	0.0	59774	502	0.014	0.014	0.0
59223	502	0.110	0.109	0.9	59701	501	0.006	0.006	0.0	59774	503	0.009	0.009	0.0
59223	503	0.093	0.093	0.0	59701	502	0.006	0.006	0.0	59775	501	0.020	0.020	0.0
59257	501	0.014	0.014	0.0	59701	503	0.004	0.004	0.0L	59775	502	0.018	0.018	0.0
59257	502	0.013	0.013	0.0	59713	501	0.143	0.146	-2.1	59775	503	0.011	0.011	0.0

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59781	501	0.052	0.051	2.0	59904	503	0.041	0.041	0.0	59947	502	0.049	0.049	0.0
59781	502	0.050	0.050	0.0	59905	501	0.067	0.069	-2.9	59947	503	0.041	0.041	0.0
59781	503	0.042	0.042	0.0	59905	502	0.063	0.064	-1.6	59955	501	0.023	0.023	0.0
59782	501	0.077	0.076	1.3	59905	503	0.034	0.035	-2.9	59955	502	0.021	0.022	-4.5
59782	502	0.075	0.074	1.4	59914	501	0.400	0.400	0.0	59955	503	0.012	0.012	0.0
59782	503	0.063	0.063	0.0	59914	502	0.370	0.380	-2.6	59963	501	0.170	0.174	-2.3
59783	501	0.075	0.074	1.4	59914	503	0.202	0.203	-0.5	59963	502	0.158	0.162	-2.5
59783	502	0.073	0.072	1.4	59915	501	0.169	0.166	1.8	59963	503	0.087	0.087	0.0
59783	503	0.061	0.061	0.0	59915	502	0.163	0.162	0.6	59964	501	0.400	0.410	-2.4
59784	501	0.058	0.057	1.8	59915	503	0.137	0.137	0.0	59964	502	0.370	0.380	-2.6
59784	502	0.056	0.055	1.8	59917	501	0.031	0.031	0.0	59964	503	0.204	0.204	0.0
59784	503	0.047	0.047	0.0	59917	502	0.030	0.030	0.0	59970	501	0.068	0.067	1.5
59790	501	0.096	0.098	-2.0	59917	503	0.025	0.025	0.0	59970	502	0.066	0.065	1.5
59790	502	0.089	0.091	-2.2	59923	501	0.010	0.010	0.0	59970	503	0.056	0.056	0.0
59790	503	0.049	0.049	0.0	59923	502	0.009	0.009	0.0	59973	501	0.110	0.112	-1.8
59798	501	0.196	0.193	1.6	59923	503	0.005	0.005	0.0	59973	502	0.102	0.104	-1.9
59798	502	0.190	0.188	1.1	59925	501	0.221	0.216	2.3	59973	503	0.056	0.056	0.0
59798	503	0.160	0.160	0.0	59925	502	0.208	0.203	2.5	59975	501	0.096	0.094	2.1
59806	501	0.140	0.138	1.4	59925	503	0.242	0.238	1.7	59975	502	0.093	0.092	1.1
59806	502	0.136	0.135	0.7	59926	501	0.188	0.183	2.7	59975	503	0.078	0.078	0.0
59806	503	0.114	0.114	0.0	59926	502	0.177	0.173	2.3	59977	501	0.055	0.054	1.9
59867	501	0.108	0.110	-1.8	59926	503	0.206	0.202	2.0	59977	502	0.053	0.052	1.9
59867	502	0.100	0.102	-2.0	59927	501	0.126	0.123	2.4	59977	503	0.044	0.044	0.0
59867	503	0.055	0.055	0.0	59927	502	0.119	0.116	2.6	59984	501	0.030	0.031	-3.2
59886	501	0.015	0.015	0.0	59927	503	0.138	0.136	1.5	59984	502	0.028	0.029	-3.4
59886	502	0.014	0.014	0.0	59931	501	0.178	0.182	-2.2	59984	503	0.015	0.015	0.0
59886	503	0.007	0.007	0.0	59931	502	0.165	0.169	-2.4	59985	501	0.117	0.120	-2.5
59889	501	0.063	0.063	0.0	59931	503	0.091	0.091	0.0	59985	502	0.109	0.112	-2.7
59889	502	0.057	0.056	1.8	59932	501	0.191	0.196	-2.6	59985	503	0.060	0.060	0.0
59889	503	0.035	0.035	0.0	59932	502	0.178	0.182	-2.2	59986	501	0.090	0.092	-2.2
59892	501	0.075	0.074	1.4	59932	503	0.098	0.098	0.0	59986	502	0.083	0.085	-2.4
59892	502	0.073	0.072	1.4	59941	501	0.060	0.061	-1.6	59986	503	0.046	0.046	0.0
59892	503	0.061	0.061	0.0	59941	502	0.056	0.057	-1.8	59988	501	0.024	0.024	0.0
59904	501	0.051	0.050	2.0	59941	503	0.031	0.031	0.0	59988	502	0.024	0.023	4.3
59904	502	0.049	0.049	0.0	59947	501	0.051	0.050	2.0	59988	503	0.020	0.020	0.0

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59989	501	0.016	0.016	0.0	61217	503	17.600	16.500	6.7	63011	502	35.300	33.200	6.3
59989	502	0.015	0.015	0.0	61218	501	7.870	7.520	4.7	63011	503	55.100	52.300	5.4
59989	503	0.008	0.008	0.0	61218	502	10.400	9.690	7.3	63012	501	54.400	52.500	3.6
60010	501	17.000	16.400	3.7	61218	503	12.000	11.300	6.2	63012	502	50.200	47.200	6.4
60010	502	15.700	14.800	6.1	61223	501	56.000	53.500	4.7	63012	503	78.400	74.300	5.5
60010	503	24.500	23.200	5.6	61223	502	74.100	69.000	7.4	63013	501	51.500	49.700	3.6
60011	501	19.600	18.900	3.7	61223	503	85.300	80.100	6.5	63013	502	47.600	44.700	6.5
60011	502	18.100	17.000	6.5	61224	501	17.800	17.000	4.7	63013	503	74.200	70.400	5.4
60011	503	28.200	26.700	5.6	61224	502	23.600	22.000	7.3	63215	501	32.500	31.100	4.5
60012	501	32.100	31.000	3.5	61224	503	27.200	25.500	6.7	63215	502	43.100	40.200	7.2
60012	502	29.700	27.900	6.5	61225	501	24.700	23.700	4.2	63215	503	49.600	46.600	6.4
60012	503	46.300	43.900	5.5	61225	502	32.800	30.500	7.5	63216	501	22.600	21.600	4.6
60013	501	27.600	26.600	3.8	61225	503	37.700	35.400	6.5	63216	502	29.900	27.900	7.2
60013	502	25.400	23.900	6.3	61226	501	41.600	39.800	4.5	63216	503	34.400	32.300	6.5
60013	503	39.700	37.600	5.6	61226	502	55.100	51.400	7.2	63217	501	25.300	25.000	1.2
60015	501	20.600	19.900	3.5	61226	503	63.400	59.600	6.4	63217	502	25.600	24.700	3.6
60015	502	19.000	17.900	6.1	61227	501	38.100	36.400	4.7	63217	503	32.100	31.100	3.2
60015	503	29.600	28.100	5.3	61227	502	50.500	47.000	7.4	63218	501	8.530	8.410	1.4
60016	501	23.100	22.300	3.6	61227	503	58.100	54.500	6.6	63218	502	8.630	8.310	3.9
60016	502	21.400	20.100	6.5	62000	501	8.670	8.280	4.7	63218	503	10.800	10.500	2.9
60016	503	33.300	31.600	5.4	62000	502	11.500	10.700	7.5	64074	501	16.600	16.900	-1.8
60035	501	22.300	21.400	4.2	62000	503	13.200	12.400	6.5	64074	502	9.240	9.200	0.4
60035	502	29.600	27.600	7.2	62001	501	6.840	6.540	4.6	64074	503	13.300	13.300	0.0
60035	503	34.000	32.000	6.3	62001	502	9.060	8.450	7.2	64075	501	11.700	11.900	-1.7
61000	501	16.800	16.200	3.7	62001	503	10.400	9.790	6.2	64075	502	6.510	6.480	0.5
61000	502	15.500	14.600	6.2	62002	501	3.130	2.980	5.0	64075	503	9.360	9.380	-0.2
61000	503	24.200	23.000	5.2	62002	502	4.140	3.850	7.5	65007	501	19.800	18.900	4.8
61212	501	11.400	10.900	4.6	62002	503	4.760	4.470	6.5	65007	502	26.200	24.400	7.4
61212	502	15.100	14.100	7.1	62003	501	9.840	9.410	4.6	65007	503	30.200	28.300	6.7
61212	503	17.400	16.300	6.7	62003	502	13.000	12.200	6.6	66122	501	8.520	8.150	4.5
61216	501	12.700	12.100	5.0	62003	503	15.000	14.100	6.4	66122	502	11.300	10.500	7.6
61216	502	16.800	15.600	7.7	63010	501	30.600	29.500	3.7	66122	503	13.000	12.200	6.6
61216	503	19.300	18.100	6.6	63010	502	28.300	26.600	6.4	66123	501	4.690	4.480	4.7
61217	501	11.500	11.000	4.5	63010	503	44.100	41.800	5.5	66123	502	6.210	5.780	7.4
61217	502	15.300	14.300	7.0	63011	501	38.300	36.900	3.8	66123	503	7.140	6.700	6.6

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66309	501	13.700	13.100	4.6	68001	503	83.800	78.700	6.5	91125	502	2.230	2.190	1.8
66309	502	18.100	16.900	7.1	68439	501	70.700	67.600	4.6	91125	503	2.230	2.190	1.8
66309	503	20.900	19.600	6.6	68439	502	93.700	87.300	7.3	91127	501	1.020	1.010	1.0
66561	501	31.700	30.300	4.6	68439	503	108.000	101.000	6.9	91127	502	1.020	1.010	1.0
66561	502	42.000	39.100	7.4	68500	501	3.740	3.610	3.6	91127	503	1.020	1.010	1.0
66561	503	48.300	45.400	6.4	68500	502	3.450	3.250	6.2	91130	501	0.960	0.970	-1.0
67017	501	29.400	28.100	4.6	68500	503	5.390	5.110	5.5	91130	502	0.960	0.970	-1.0
67017	502	39.000	36.300	7.4	68604	501	1.320	1.260	4.8	91130	503	0.960	0.970	-1.0
67017	503	44.800	42.100	6.4	68604	502	1.750	1.630	7.4	91135	501	0.270	0.270	0.0
67508	501	31.400	33.200	-5.4	68604	503	2.020	1.890	6.9	91135	502	0.270	0.270	0.0
67508	502	27.200	28.200	-3.5	68606	501	5.170	4.940	4.7	91135	503	0.270	0.270	0.0
67508	503	32.500	33.800	-3.8	68606	502	6.840	6.370	7.4	91150	501	0.970	0.950	2.1
67509	501	23.000	24.400	-5.7	68606	503	7.870	7.390	6.5	91150	502	0.970	0.950	2.1
67509	502	20.000	20.700	-3.4	68607	501	4.080	3.900	4.6	91150	503	0.970	0.950	2.1
67509	503	23.800	24.800	-4.0	68607	502	5.410	5.040	7.3	91155	501	2.150	2.120	1.4
67510	501	12.800	13.600	-5.9	68607	503	6.220	5.840	6.5	91155	502	2.150	2.120	1.4
67510	502	11.100	11.500	-3.5	68702	501	3.370	3.210	5.0	91155	503	2.150	2.120	1.4
67510	503	13.300	13.800	-3.6	68702	502	4.460	4.150	7.5	91160	501	0.900	0.880	2.3
67511	501	13.900	14.700	-5.4	68702	503	5.130	4.810	6.7	91160	502	0.900	0.880	2.3
67511	502	12.000	12.400	-3.2	68703	501	2.520	2.410	4.6	91160	503	0.900	0.880	2.3
67511	503	14.300	14.900	-4.0	68703	502	3.340	3.110	7.4	91175	501	0.770	0.750	2.7
67512	501	59.300	62.900	-5.7	68703	503	3.840	3.610	6.4	91175	502	0.770	0.750	2.7
67512	502	51.500	53.300	-3.4	68706	501	10.800	10.300	4.9	91175	503	0.770	0.750	2.7
67512	503	61.400	64.000	-4.1	68706	502	14.300	13.300	7.5	91177	501	3.360	3.310	1.5
67513	501	37.600	39.900	-5.8	68706	503	16.500	15.500	6.5	91177	502	3.360	3.310	1.5
67513	502	32.700	33.800	-3.3	68707	501	10.700	10.200	4.9	91177	503	3.360	3.310	1.5
67513	503	39.000	40.600	-3.9	68707	502	14.200	13.200	7.6	91179	501	3.380	3.320	1.8
67634	501	25.500	24.300	4.9	68707	503	16.300	15.300	6.5	91179	502	3.380	3.320	1.8
67634	502	33.700	31.400	7.3	90089	501	3.690	3.640	1.4	91179	503	3.380	3.320	1.8
67634	503	38.800	36.400	6.6	90089	502	3.690	3.640	1.4	91190	501	1.810	1.780	1.7
67635	501	18.000	17.200	4.7	90089	503	3.690	3.640	1.4	91190	502	1.810	1.780	1.7
67635	502	23.900	22.200	7.7	91111	501	1.520	1.510	0.7	91190	503	1.810	1.780	1.7
67635	503	27.400	25.800	6.2	91111	502	1.520	1.510	0.7	91200	501	0.550	0.550	0.0
68001	501	55.000	52.600	4.6	91111	503	1.520	1.510	0.7	91200	502	0.550	0.550	0.0
68001	502	72.800	67.900	7.2	91125	501	2.230	2.190	1.8	91200	503	0.550	0.550	0.0

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91235	501	1.180	1.170	0.9	91405	503	4.640	4.610	0.7	91590	502	2.960	2.900	2.1
91235	502	1.180	1.170	0.9	91436	501	4.370	4.300	1.6	91590	503	2.960	2.900	2.1
91235	503	1.180	1.170	0.9	91436	502	4.370	4.300	1.6	91606	501	9.340	9.450	-1.2
91250	501	1.780	1.750	1.7	91436	503	4.370	4.300	1.6	91606	502	9.340	9.450	-1.2
91250	502	1.780	1.750	1.7	91481	501	15.900	15.700	1.3	91606	503	9.340	9.450	-1.2
91250	503	1.780	1.750	1.7	91481	502	15.900	15.700	1.3	91629	501	1.910	1.930	-1.0
91265	501	11.600	11.800	-1.7	91481	503	15.900	15.700	1.3	91629	502	1.910	1.930	-1.0
91265	502	11.600	11.800	-1.7	91507	501	2.350	2.310	1.7	91629	503	1.910	1.930	-1.0
91265	503	11.600	11.800	-1.7	91507	502	2.350	2.310	1.7	91636	501	3.270	3.310	-1.2
91266	501	6.170	6.240	-1.1	91507	503	2.350	2.310	1.7	91636	502	3.270	3.310	-1.2
91266	502	6.170	6.240	-1.1	91523	501	36.200	35.700	1.4	91636	503	3.270	3.310	-1.2
91266	503	6.170	6.240	-1.1	91523	502	36.200	35.700	1.4	91641	501	0.890	0.900	-1.1
91302	501	9.010	8.970	0.4	91523	503	36.200	35.700	1.4	91641	502	0.890	0.900	-1.1
91302	502	9.010	8.970	0.4	91547	501	0.206	0.203	1.5	91641	503	0.890	0.900	-1.1
91302	503	9.010	8.970	0.4	91547	502	0.206	0.203	1.5	91666	501	0.800	0.780	2.6
91315	501	2.740	2.730	0.4	91547	503	0.206	0.203	1.5	91666	502	0.800	0.780	2.6
91315	502	2.740	2.730	0.4	91551	501	1.270	1.260	0.8	91666	503	0.800	0.780	2.6
91315	503	2.740	2.730	0.4	91551	502	1.270	1.260	0.8	91722	501	2.870	2.900	-1.0
91324	501	6.100	6.060	0.7	91551	503	1.270	1.260	0.8	91722	502	2.870	2.900	-1.0
91324	502	6.100	6.060	0.7	91555	501	0.710	0.700	1.4	91722	503	2.870	2.900	-1.0
91324	503	6.100	6.060	0.7	91555	502	0.710	0.700	1.4	91746	501	2.850	2.790	2.2
91340	501	3.980	3.950	0.8	91555	503	0.710	0.700	1.4	91746	502	2.850	2.790	2.2
91340	502	3.980	3.950	0.8	91560	501	3.410	3.450	-1.2	91746	503	2.850	2.790	2.2
91340	503	3.980	3.950	0.8	91560	502	3.410	3.450	-1.2	91805	501	0.178	0.175	1.7
91341	501	3.860	3.800	1.6	91560	503	3.410	3.450	-1.2	91805	502	0.178	0.175	1.7
91341	502	3.860	3.800	1.6	91562	501	2.850	2.790	2.2	91805	503	0.178	0.175	1.7
91341	503	3.860	3.800	1.6	91562	502	2.850	2.790	2.2	92053	501	0.440	0.440	0.0
91342	501	3.650	3.630	0.6	91562	503	2.850	2.790	2.2	92053	502	0.440	0.440	0.0
91342	502	3.650	3.630	0.6	91577	501	10.100	10.000	1.0	92053	503	0.440	0.440	0.0
91342	503	3.650	3.630	0.6	91577	502	10.100	10.000	1.0	92054	501	0.151	0.149	1.3
91343	501	0.860	0.840	2.4	91577	503	10.100	10.000	1.0	92054	502	0.151	0.149	1.3
91343	502	0.860	0.840	2.4	91580	501	4.500	4.560	-1.3	92054	503	0.151	0.149	1.3
91343	503	0.860	0.840	2.4	91580	502	4.500	4.560	-1.3	92055	501	4.220	4.150	1.7
91405	501	4.640	4.610	0.7	91580	503	4.500	4.560	-1.3	92055	502	4.220	4.150	1.7
91405	502	4.640	4.610	0.7	91590	501	2.960	2.900	2.1	92055	503	4.220	4.150	1.7

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STATE: 22 - MINNESOTA
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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
92101	501	6.600	6.480	1.9	92663	503	0.450	0.450	0.0	95233	502	2.710	2.670	1.5
92101	502	6.600	6.480	1.9	94007	501	9.410	9.260	1.6	95233	503	2.710	2.670	1.5
92101	503	6.600	6.480	1.9	94007	502	9.410	9.260	1.6	95305	501	2.940	2.890	1.7
92102	501	3.970	3.900	1.8	94007	503	9.410	9.260	1.6	95305	502	2.940	2.890	1.7
92102	502	3.970	3.900	1.8	94099	501	2.140	2.110	1.4	95305	503	2.940	2.890	1.7
92102	503	3.970	3.900	1.8	94099	502	2.140	2.110	1.4	95306	501	3.750	3.800	-1.3
92215	501	1.690	1.670	1.2	94099	503	2.140	2.110	1.4	95306	502	3.750	3.800	-1.3
92215	502	1.690	1.670	1.2	94225	501	7.540	7.420	1.6	95306	503	3.750	3.800	-1.3
92215	503	1.690	1.670	1.2	94225	502	7.540	7.420	1.6	95310	501	7.010	6.910	1.4
92338	501	1.520	1.500	1.3	94225	503	7.540	7.420	1.6	95310	502	7.010	6.910	1.4
92338	502	1.520	1.500	1.3	94276	501	3.930	3.860	1.8	95310	503	7.010	6.910	1.4
92338	503	1.520	1.500	1.3	94276	502	3.930	3.860	1.8	95357	501	0.960	0.970	-1.0
92445	501	1.870	1.900	-1.6	94276	503	3.930	3.860	1.8	95357	502	0.960	0.970	-1.0
92445	502	1.870	1.900	-1.6	94304	501	1.510	1.490	1.3	95357	503	0.960	0.970	-1.0
92445	503	1.870	1.900	-1.6	94304	502	1.510	1.490	1.3	95410	501	3.790	3.730	1.6
92446	501	5.010	4.940	1.4	94304	503	1.510	1.490	1.3	95410	502	3.790	3.730	1.6
92446	502	5.010	4.940	1.4	94381	501	2.840	2.790	1.8	95410	503	3.790	3.730	1.6
92446	503	5.010	4.940	1.4	94381	502	2.840	2.790	1.8	95455	501	3.950	4.000	-1.2
92447	501	4.380	4.310	1.6	94381	503	2.840	2.790	1.8	95455	502	3.950	4.000	-1.2
92447	502	4.380	4.310	1.6	94404	501	3.720	3.660	1.6	95455	503	3.950	4.000	-1.2
92447	503	4.380	4.310	1.6	94404	502	3.720	3.660	1.6	95487	501	2.030	2.000	1.5
92451	501	1.180	1.170	0.9	94404	503	3.720	3.660	1.6	95487	502	2.030	2.000	1.5
92451	502	1.180	1.170	0.9	94569	501	2.520	2.480	1.6	95487	503	2.030	2.000	1.5
92451	503	1.180	1.170	0.9	94569	502	2.520	2.480	1.6	95505	501	1.840	1.860	-1.1
92453	501	2.780	2.730	1.8	94569	503	2.520	2.480	1.6	95505	502	1.840	1.860	-1.1
92453	502	2.780	2.730	1.8	94590	501	10.800	10.700	0.9	95505	503	1.840	1.860	-1.1
92453	503	2.780	2.730	1.8	94590	502	10.800	10.700	0.9	95620	501	1.650	1.630	1.2
92478	501	1.370	1.350	1.5	94590	503	10.800	10.700	0.9	95620	502	1.650	1.630	1.2
92478	502	1.370	1.350	1.5	94617	501	3.420	3.360	1.8	95620	503	1.650	1.630	1.2
92478	503	1.370	1.350	1.5	94617	502	3.420	3.360	1.8	95625	501	4.310	4.280	0.7
92593	501	15.500	15.300	1.3	94617	503	3.420	3.360	1.8	95625	502	4.310	4.280	0.7
92593	502	15.500	15.300	1.3	95124	501	1.260	1.240	1.6	95625	503	4.310	4.280	0.7
92593	503	15.500	15.300	1.3	95124	502	1.260	1.240	1.6	95647	501	1.420	1.410	0.7
92663	501	0.450	0.450	0.0	95124	503	1.260	1.240	1.6	95647	502	1.420	1.410	0.7
92663	502	0.450	0.450	0.0	95233	501	2.710	2.670	1.5	95647	503	1.420	1.410	0.7

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LOSS COST % CHANGE BY CLASS

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96053	501	1.080	1.070	0.9	97111	503	4.540	4.460	1.8	98002	502	0.650	0.650	0.0
96053	502	1.080	1.070	0.9	97220	501	0.260	0.260	0.0	98002	503	0.650	0.650	0.0
96053	503	1.080	1.070	0.9	97220	502	0.260	0.260	0.0	98003	501	0.840	0.820	2.4
96317	501	0.990	1.000	-1.0	97220	503	0.260	0.260	0.0	98003	502	0.840	0.820	2.4
96317	502	0.990	1.000	-1.0	97222	501	0.790	0.770	2.6	98003	503	0.840	0.820	2.4
96317	503	0.990	1.000	-1.0	97222	502	0.790	0.770	2.6	98090	501	0.112	0.111	0.9
96408	501	3.280	3.230	1.5	97222	503	0.790	0.770	2.6	98090	502	0.112	0.111	0.9
96408	502	3.280	3.230	1.5	97223	501	1.180	1.170	0.9	98090	503	0.112	0.111	0.9
96408	503	3.280	3.230	1.5	97223	502	1.180	1.170	0.9	98091	501	0.122	0.120	1.7
96409	501	3.030	2.980	1.7	97223	503	1.180	1.170	0.9	98091	502	0.122	0.120	1.7
96409	502	3.030	2.980	1.7	97308	501	0.480	0.490	-2.0	98091	503	0.122	0.120	1.7
96409	503	3.030	2.980	1.7	97308	502	0.480	0.490	-2.0	98092	501	0.370	0.370	0.0
96410	501	2.670	2.620	1.9	97308	503	0.480	0.490	-2.0	98092	502	0.370	0.370	0.0
96410	502	2.670	2.620	1.9	97447	501	1.570	1.590	-1.3	98092	503	0.370	0.370	0.0
96410	503	2.670	2.620	1.9	97447	502	1.570	1.590	-1.3	98111	501	0.300	0.300	0.0
96611	501	0.920	0.910	1.1	97447	503	1.570	1.590	-1.3	98111	502	0.300	0.300	0.0
96611	502	0.920	0.910	1.1	97650	501	3.130	3.080	1.6	98111	503	0.300	0.300	0.0
96611	503	0.920	0.910	1.1	97650	502	3.130	3.080	1.6	98152	501	2.180	2.210	-1.4
96702	501	3.780	3.720	1.6	97650	503	3.130	3.080	1.6	98152	502	2.180	2.210	-1.4
96702	502	3.780	3.720	1.6	97651	501	4.640	4.700	-1.3	98152	503	2.180	2.210	-1.4
96702	503	3.780	3.720	1.6	97651	502	4.640	4.700	-1.3	98153	501	2.460	2.490	-1.2
96816	501	3.540	3.490	1.4	97651	503	4.640	4.700	-1.3	98153	502	2.460	2.490	-1.2
96816	502	3.540	3.490	1.4	97652	501	4.020	4.070	-1.2	98153	503	2.460	2.490	-1.2
96816	503	3.540	3.490	1.4	97652	502	4.020	4.070	-1.2	98154	501	2.900	2.930	-1.0
96872	501	3.510	3.560	-1.4	97652	503	4.020	4.070	-1.2	98154	502	2.900	2.930	-1.0
96872	502	3.510	3.560	-1.4	97653	501	2.680	2.640	1.5	98154	503	2.900	2.930	-1.0
96872	503	3.510	3.560	-1.4	97653	502	2.680	2.640	1.5	98155	501	4.060	4.100	-1.0
97047	501	2.780	2.750	1.1	97653	503	2.680	2.640	1.5	98155	502	4.060	4.100	-1.0
97047	502	2.780	2.750	1.1	97654	501	4.670	4.600	1.5	98155	503	4.060	4.100	-1.0
97047	503	2.780	2.750	1.1	97654	502	4.670	4.600	1.5	98157	501	2.590	2.630	-1.5
97050	501	2.160	2.140	0.9	97654	503	4.670	4.600	1.5	98157	502	2.590	2.630	-1.5
97050	502	2.160	2.140	0.9	97655	501	3.580	3.630	-1.4	98157	503	2.590	2.630	-1.5
97050	503	2.160	2.140	0.9	97655	502	3.580	3.630	-1.4	98159	501	1.740	1.760	-1.1
97111	501	4.540	4.460	1.8	97655	503	3.580	3.630	-1.4	98159	502	1.740	1.760	-1.1
97111	502	4.540	4.460	1.8	98002	501	0.650	0.650	0.0	98159	503	1.740	1.760	-1.1

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98160	501	3.680	3.730	-1.3	98309	503	4.090	4.140	-1.2	98449	502	3.030	2.980	1.7
98160	502	3.680	3.730	-1.3	98344	501	0.620	0.610	1.6	98449	503	3.030	2.980	1.7
98160	503	3.680	3.730	-1.3	98344	502	0.620	0.610	1.6	98482	501	3.250	3.200	1.6
98161	501	4.130	4.170	-1.0	98344	503	0.620	0.610	1.6	98482	502	3.250	3.200	1.6
98161	502	4.130	4.170	-1.0	98405	501	1.020	1.020	0.0	98482	503	3.250	3.200	1.6
98161	503	4.130	4.170	-1.0	98405	502	1.020	1.020	0.0	98483	501	4.810	4.730	1.7
98163	501	4.330	4.380	-1.1	98405	503	1.020	1.020	0.0	98483	502	4.810	4.730	1.7
98163	502	4.330	4.380	-1.1	98413	501	12.300	12.100	1.7	98483	503	4.810	4.730	1.7
98163	503	4.330	4.380	-1.1	98413	502	12.300	12.100	1.7	98502	501	4.600	4.530	1.5
98164	501	1.000	0.980	2.0	98413	503	12.300	12.100	1.7	98502	502	4.600	4.530	1.5
98164	502	1.000	0.980	2.0	98414	501	11.200	11.100	0.9	98502	503	4.600	4.530	1.5
98164	503	1.000	0.980	2.0	98414	502	11.200	11.100	0.9	98555	501	2.140	2.110	1.4
98257	501	1.260	1.240	1.6	98414	503	11.200	11.100	0.9	98555	502	2.140	2.110	1.4
98257	502	1.260	1.240	1.6	98415	501	1.480	1.460	1.4	98555	503	2.140	2.110	1.4
98257	503	1.260	1.240	1.6	98415	502	1.480	1.460	1.4	98597	501	0.480	0.480	0.0
98303	501	8.150	8.250	-1.2	98415	503	1.480	1.460	1.4	98597	502	0.480	0.480	0.0
98303	502	8.150	8.250	-1.2	98423	501	3.530	3.470	1.7	98597	503	0.480	0.480	0.0
98303	503	8.150	8.250	-1.2	98423	502	3.530	3.470	1.7	98598	501	0.165	0.163	1.2
98304	501	4.690	4.610	1.7	98423	503	3.530	3.470	1.7	98598	502	0.165	0.163	1.2
98304	502	4.690	4.610	1.7	98424	501	5.990	5.890	1.7	98598	503	0.165	0.163	1.2
98304	503	4.690	4.610	1.7	98424	502	5.990	5.890	1.7	98601	501	5.510	5.420	1.7
98305	501	2.230	2.210	0.9	98424	503	5.990	5.890	1.7	98601	502	5.510	5.420	1.7
98305	502	2.230	2.210	0.9	98425	501	2.460	2.420	1.7	98601	503	5.510	5.420	1.7
98305	503	2.230	2.210	0.9	98425	502	2.460	2.420	1.7	98624	501	0.870	0.850	2.4
98306	501	5.730	5.700	0.5	98425	503	2.460	2.420	1.7	98624	502	0.870	0.850	2.4
98306	502	5.730	5.700	0.5	98426	501	2.170	2.130	1.9	98624	503	0.870	0.850	2.4
98306	503	5.730	5.700	0.5	98426	502	2.170	2.130	1.9	98636	501	1.450	1.430	1.4
98307	501	1.480	1.460	1.4	98426	503	2.170	2.130	1.9	98636	502	1.450	1.430	1.4
98307	502	1.480	1.460	1.4	98427	501	2.120	2.080	1.9	98636	503	1.450	1.430	1.4
98307	503	1.480	1.460	1.4	98427	502	2.120	2.080	1.9	98640	501	94.900	93.500	1.5
98308	501	0.980	0.960	2.1	98427	503	2.120	2.080	1.9	98640	502	94.900	93.500	1.5
98308	502	0.980	0.960	2.1	98429	501	0.860	0.860	0.0	98640	503	94.900	93.500	1.5
98308	503	0.980	0.960	2.1	98429	502	0.860	0.860	0.0	98658	501	4.190	4.240	-1.2
98309	501	4.090	4.140	-1.2	98429	503	0.860	0.860	0.0	98658	502	4.190	4.240	-1.2
98309	502	4.090	4.140	-1.2	98449	501	3.030	2.980	1.7	98658	503	4.190	4.240	-1.2

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98659	501	0.750	0.760	-1.3	98820	503	7.500	7.370	1.8	99220	502	1.120	1.140	-1.8
98659	502	0.750	0.760	-1.3	98884	501	1.950	1.920	1.6	99220	503	1.120	1.140	-1.8
98659	503	0.750	0.760	-1.3	98884	502	1.950	1.920	1.6	99222	501	2.110	2.140	-1.4
98677	501	14.900	14.800	0.7	98884	503	1.950	1.920	1.6	99222	502	2.110	2.140	-1.4
98677	502	14.900	14.800	0.7	98914	501	0.510	0.520	-1.9	99222	503	2.110	2.140	-1.4
98677	503	14.900	14.800	0.7	98914	502	0.510	0.520	-1.9	99223	501	0.220	0.216	1.9
98678	501	13.300	13.100	1.5	98914	503	0.510	0.520	-1.9	99223	502	0.220	0.216	1.9
98678	502	13.300	13.100	1.5	98949	501	0.720	0.720	0.0	99223	503	0.220	0.216	1.9
98678	503	13.300	13.100	1.5	98949	502	0.720	0.720	0.0	99303	501	11.900	11.800	0.8
98699	501	4.330	4.250	1.9	98949	503	0.720	0.720	0.0	99303	502	11.900	11.800	0.8
98699	502	4.330	4.250	1.9	98967	501	3.060	3.010	1.7	99303	503	11.900	11.800	0.8
98699	503	4.330	4.250	1.9	98967	502	3.060	3.010	1.7	99310	501	2.990	2.940	1.7
98705	501	5.930	6.010	-1.3	98967	503	3.060	3.010	1.7	99310	502	2.990	2.940	1.7
98705	502	5.930	6.010	-1.3	98993	501	2.780	2.740	1.5	99310	503	2.990	2.940	1.7
98705	503	5.930	6.010	-1.3	98993	502	2.780	2.740	1.5	99315	501	8.810	8.660	1.7
98710	501	3.000	2.960	1.4	98993	503	2.780	2.740	1.5	99315	502	8.810	8.660	1.7
98710	502	3.000	2.960	1.4	99003	501	1.450	1.440	0.7	99315	503	8.810	8.660	1.7
98710	503	3.000	2.960	1.4	99003	502	1.450	1.440	0.7	99321	501	8.550	8.400	1.8
98751	501	3.170	3.210	-1.2	99003	503	1.450	1.440	0.7	99321	502	8.550	8.400	1.8
98751	502	3.170	3.210	-1.2	99004	501	2.520	2.510	0.4	99321	503	8.550	8.400	1.8
98751	503	3.170	3.210	-1.2	99004	502	2.520	2.510	0.4	99471	501	0.510	0.520	-1.9
98805	501	3.930	3.860	1.8	99004	503	2.520	2.510	0.4	99471	502	0.510	0.520	-1.9
98805	502	3.930	3.860	1.8	99080	501	1.030	1.010	2.0	99471	503	0.510	0.520	-1.9
98805	503	3.930	3.860	1.8	99080	502	1.030	1.010	2.0	99505	501	2.350	2.320	1.3
98806	501	1.350	1.340	0.7	99080	503	1.030	1.010	2.0	99505	502	2.350	2.320	1.3
98806	502	1.350	1.340	0.7	99111	501	1.490	1.480	0.7	99505	503	2.350	2.320	1.3
98806	503	1.350	1.340	0.7	99111	502	1.490	1.480	0.7	99506	501	2.890	2.850	1.4
98810	501	3.140	3.120	0.6	99111	503	1.490	1.480	0.7	99506	502	2.890	2.850	1.4
98810	502	3.140	3.120	0.6	99163	501	3.570	3.510	1.7	99506	503	2.890	2.850	1.4
98810	503	3.140	3.120	0.6	99163	502	3.570	3.510	1.7	99507	501	2.520	2.490	1.2
98813	501	3.030	3.010	0.7	99163	503	3.570	3.510	1.7	99507	502	2.520	2.490	1.2
98813	502	3.030	3.010	0.7	99165	501	0.790	0.770	2.6	99507	503	2.520	2.490	1.2
98813	503	3.030	3.010	0.7	99165	502	0.790	0.770	2.6	99570	501	1.350	1.340	0.7
98820	501	7.500	7.370	1.8	99165	503	0.790	0.770	2.6	99570	502	1.350	1.340	0.7
98820	502	7.500	7.370	1.8	99220	501	1.120	1.140	-1.8	99570	503	1.350	1.340	0.7

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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
99571	501	0.330	0.330	0.0	99760	503	0.234	0.230	1.7	99953	502	4.970	4.940	0.6
99571	502	0.330	0.330	0.0	99777	501	5.440	5.410	0.6	99953	503	4.970	4.940	0.6
99571	503	0.330	0.330	0.0	99777	502	5.440	5.410	0.6	99954	501	3.610	3.600	0.3
99572	501	0.640	0.630	1.6	99777	503	5.440	5.410	0.6	99954	502	3.610	3.600	0.3
99572	502	0.640	0.630	1.6	99793	501	2.600	2.560	1.6	99954	503	3.610	3.600	0.3
99572	503	0.640	0.630	1.6	99793	502	2.600	2.560	1.6	99955	501	4.530	4.500	0.7
99573	501	0.610	0.600	1.7	99793	503	2.600	2.560	1.6	99955	502	4.530	4.500	0.7
99573	502	0.610	0.600	1.7	99826	501	0.620	0.610	1.6	99955	503	4.530	4.500	0.7
99573	503	0.610	0.600	1.7	99826	502	0.620	0.610	1.6	99963	501	0.590	0.580	1.7
99600	501	1.090	1.090	0.0	99826	503	0.620	0.610	1.6	99963	502	0.590	0.580	1.7
99600	502	1.090	1.090	0.0	99827	501	0.370	0.370	0.0	99963	503	0.590	0.580	1.7
99600	503	1.090	1.090	0.0	99827	502	0.370	0.370	0.0	99969	501	2.050	2.070	-1.0
99613	501	7.570	7.440	1.7	99827	503	0.370	0.370	0.0	99969	502	2.050	2.070	-1.0
99613	502	7.570	7.440	1.7	99851	501	1.510	1.490	1.3	99969	503	2.050	2.070	-1.0
99613	503	7.570	7.440	1.7	99851	502	1.510	1.490	1.3	99975	501	4.020	3.990	0.8
99614	501	2.450	2.430	0.8	99851	503	1.510	1.490	1.3	99975	502	4.020	3.990	0.8
99614	502	2.450	2.430	0.8	99917	501	2.450	2.410	1.7	99975	503	4.020	3.990	0.8
99614	503	2.450	2.430	0.8	99917	502	2.450	2.410	1.7	99988	501	1.810	1.830	-1.1
99620	501	0.410	0.410	0.0	99917	503	2.450	2.410	1.7	99988	502	1.810	1.830	-1.1
99620	502	0.410	0.410	0.0	99938	501	2.750	2.710	1.5	99988	503	1.810	1.830	-1.1
99620	503	0.410	0.410	0.0	99938	502	2.750	2.710	1.5	99938	503	2.750	2.710	1.5
99650	501	0.640	0.630	1.6	99938	503	2.750	2.710	1.5	99943	501	7.970	7.840	1.7
99650	502	0.640	0.630	1.6	99943	501	7.970	7.840	1.7	99943	502	7.970	7.840	1.7
99650	503	0.640	0.630	1.6	99943	502	7.970	7.840	1.7	99943	503	7.970	7.840	1.7
99709	501	1.580	1.560	1.3	99946	501	5.930	5.840	1.5	99946	501	5.930	5.840	1.5
99709	502	1.580	1.560	1.3	99946	502	5.930	5.840	1.5	99946	502	5.930	5.840	1.5
99718	501	1.200	1.190	0.8	99946	503	5.930	5.840	1.5	99948	501	3.340	3.300	1.2
99718	502	1.200	1.190	0.8	99948	501	3.340	3.300	1.2	99948	502	3.340	3.300	1.2
99718	503	1.200	1.190	0.8	99948	502	3.340	3.300	1.2	99948	503	3.340	3.300	1.2
99746	501	2.050	2.010	2.0	99948	503	3.340	3.300	1.2	99952	501	4.600	4.580	0.4
99746	502	2.050	2.010	2.0	99952	501	4.600	4.580	0.4	99952	502	4.600	4.580	0.4
99746	503	2.050	2.010	2.0	99952	502	4.600	4.580	0.4	99952	503	4.600	4.580	0.4
99760	501	0.234	0.230	1.7	99952	503	4.600	4.580	0.4	99953	501	4.970	4.940	0.6
99760	502	0.234	0.230	1.7	99953	501	4.970	4.940	0.6					

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LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	0.189	0.195	-3.1	11259	0.103	0.136	-24.3	13759	0.160	0.159	0.6
10026	0.023	0.022	4.5	11288	0.084	0.096	-12.5	13930	0.174	0.201	-13.4
10040	0.320	0.300	6.7	12014	0.043	0.041	4.9	14068	0.012	0.014	-14.3
10042	0.510	0.510	0.0	12356	0.034	0.029	17.2	14101	0.049	0.048	2.1
10060	0.106	0.103	2.9	12361	0.070	0.077	-9.1	14279	0.085	0.077	10.4
10065	0.040	0.032	25.0 U	12373	0.023	0.024	-4.2	14401	0.105	0.127	-17.3
10066	0.072	0.070	2.9	12374	0.057	0.065	-12.3	14527	0.179	0.189	-5.3
10070	0.151	0.154	-1.9	12375	0.037	0.049	-24.5 L	14855	0.133	0.154	-13.6
10071	0.153	0.144	6.3	12391	0.070	0.082	-14.6	14913	0.215	0.203	5.9
10073	0.520	0.620	-16.1	12509	0.031	0.036	-13.9	15223	0.044	0.041	7.3
10075	0.300	0.241	24.5 U	12510	0.029	0.028	3.6	15224	0.058	0.068	-14.7
10100	0.059	0.054	9.3	12651	0.510	0.530	-3.8	15406	0.053	0.048	10.4
10101	0.177	0.181	-2.2	12707	0.560	0.640	-12.5	15538	0.019	0.018	5.6
10107	0.320	0.300	6.7	12797	0.194	0.196	-1.0	15600	0.128	0.110	16.4
10111	0.067	0.078	-14.1	12805	0.189	0.165	14.5	15608	0.011	0.011	0.0
10115	0.091	0.085	7.1	13049	0.051	0.057	-10.5	15733	0.034	0.037	-8.1
10140	0.022	0.021	4.8	13111	0.092	0.093	-1.1	15839	0.033	0.032	3.1
10141	0.023	0.023	0.0	13112	0.063	0.063	0.0	15991	0.097	0.088	10.2
10145	0.007	0.009	-22.2	13201	0.144	0.160	-10.0	15993	0.066	0.063	4.8
10146	0.015	0.016	-6.3	13204	1.140	1.450	-21.4	16005	0.031	0.034	-8.8
10255	0.151	0.147	2.7	13205	0.420	0.460	-8.7	16009	0.106	0.094	12.8
10256	0.183	0.152	20.4	13314	0.014	0.016	-12.5	16403	0.240	0.208	15.4
10257	0.148	0.169	-12.4	13351	0.080	0.064	25.0 U	16527	0.320	0.350	-8.6
10309	0.018	0.018	0.0	13352	0.051	0.050	2.0	16604	0.122	0.146	-16.4
10352	0.054	0.067	-19.4	13410	2.350	2.990	-21.4	16676	0.014	0.014	0.0
11020	0.193	0.181	6.6	13412	1.210	1.140	6.1	16705	0.131	0.148	-11.5
11039	0.074	0.078	-5.1	13506	0.095	0.090	5.6	16750	0.034	0.032	6.3
11126	0.024	0.022	9.1	13507	0.216	0.218	-0.9	16900	0.092	0.107	-14.0
11127	0.011	0.010	10.0	13590	0.670	0.740	-9.5	16901	0.105	0.140	-25.0 L
11128	0.099	0.093	6.5	13621	0.330	0.320	3.1	16902	0.044	0.058	-24.1 L
11203	0.460	0.520	-11.5	13670	0.017	0.015	13.3	16905	0.092	0.107	-14.0
11204	1.930	1.900	1.6	13673	0.016	0.017	-5.9	16906	0.105	0.140	-25.0 L
11234	0.071	0.067	6.0	13715	0.145	0.165	-12.1	16910	0.058	0.070	-17.1
11248	0.016	0.018	-11.1	13716	0.142	0.149	-4.7	16911	0.054	0.067	-19.4
11258	0.131	0.174	-24.7 L	13720	0.052	0.056	-7.1	16915	0.049	0.059	-16.9

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LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
16916	0.055	0.066	-16.7	51116	0.690	0.690	0.0	51666	0.089	0.101	-11.9
16920	0.108	0.128	-15.6	51205	0.059	0.071	-16.9	51734	0.350	0.310	12.9
16921	0.038	0.050	-24.0	51206	0.320	0.390	-17.9	51741	0.243	0.260	-6.5
16930	0.162	0.200	-19.0	51220	1.900	2.280	-16.7	51752	0.150	0.165	-9.1
16931	0.076	0.087	-12.6	51221	1.760	1.780	-1.1	51767	0.007	0.008	-12.5
16940	0.039	0.051	-23.5	51222	4.530	3.670	23.4	51777	0.077	0.078	-1.3
16941	0.077	0.102	-24.5	51224	1.490	1.450	2.8	51808	0.680	0.730	-6.8
18078	0.138	0.140	-1.4	51230	0.740	0.790	-6.3	51809	0.146	0.153	-4.6
18109	0.034	0.032	6.3	51240	0.196	0.185	5.9	51833	0.054	0.060	-10.0
18110	0.050	0.046	8.7	51241	0.218	0.260	-16.2	51869	0.136	0.136	0.0
18205	0.380	0.350	8.6	51252	0.074	0.100	-26.0 L	51877	0.191	0.212	-9.9
18206	0.143	0.132	8.3	51254	0.032	0.039	-17.9	51889	0.011	0.012	-8.3
18335	0.020	0.020	0.0	51300	0.147	0.160	-8.1	51896	0.017	0.018	-5.6
18435	0.069	0.077	-10.4	51305	0.880	0.960	-8.3	51900	0.100	0.095	5.3
18436	0.140	0.186	-24.7 L	51315	0.096	0.106	-9.4	51909	0.053	0.056	-5.4
18501	0.011	0.014	-21.4	51330	0.660	0.530	24.5 U	51926	0.044	0.038	15.8
18506	0.006	0.006	0.0	51333	0.320	0.340	-5.9	51927	0.132	0.131	0.8
18507	0.011	0.010	10.0	51350	0.127	0.135	-5.9	51934	0.107	0.125	-14.4
18616	0.590	0.590	0.0	51351	0.049	0.042	16.7	51941	0.041	0.041	0.0
18707	0.005	0.004	25.0 U	51352	0.101	0.108	-6.5	51956	0.205	0.221	-7.2
18708	0.027	0.022	22.7 U	51355	0.091	0.094	-3.2	51957	0.460	0.420	9.5
18834	0.140	0.137	2.2	51356	0.560	0.620	-9.7	51958	0.370	0.410	-9.8
18911	0.024	0.023	4.3	51357	0.760	0.660	15.2	51960	0.330	0.350	-5.7
18912	0.043	0.039	10.3	51358	0.129	0.141	-8.5	51970	0.177	0.238	-25.6 L
18920	0.023	0.022	4.5	51359	0.710	0.780	-9.0	51982	0.077	0.083	-7.2
45771	0.139	0.164	-15.2	51370	3.830	4.570	-16.2	51986	0.096	0.103	-6.8
45819	0.069	0.072	-4.2	51380	0.041	0.044	-6.8	51999	0.400	0.440	-9.1
45900	0.036	0.048	-25.0 L	51500	0.116	0.119	-2.5	52002	0.114	0.129	-11.6
45901	0.045	0.049	-8.2	51550	0.400	0.390	2.6	52075	0.222	0.243	-8.6
49239	0.460	0.600	-23.3	51551	0.890	0.910	-2.2	52134	0.600	0.630	-4.8
49617	0.260	0.246	5.7	51552	0.152	0.159	-4.4	52315	0.270	0.260	3.8
49618	0.092	0.081	13.6	51575	0.021	0.020	5.0	52433	0.800	1.020	-21.6
49619	0.166	0.154	7.8	51576	0.097	0.093	4.3	52469	0.096	0.104	-7.7
50010	0.380	0.490	-22.4	51600	0.172	0.191	-9.9	52505	0.237	0.216	9.7
51001	0.420	0.450	-6.7	51613	0.139	0.139	0.0	52547	0.070	0.078	-10.3

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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	2.190	2.950	-25.8 L	56391	0.300	0.320	-6.3	58397	0.650	0.740	-12.2
52744	0.066	0.081	-18.5	56427	0.119	0.125	-4.8	58503	0.077	0.076	1.3
52911	0.420	0.450	-6.7	56488	0.038	0.034	11.8	58575	0.111	0.120	-7.5
52967	0.058	0.062	-6.5	56690	0.330	0.350	-5.7	58627	0.012	0.013	-7.7
53001	0.300	0.330	-9.1	56699	0.067	0.057	17.5	58663	0.950	1.280	-25.8 L
53077	0.219	0.207	5.8	56758	0.140	0.148	-5.4	58737	0.550	0.630	-12.7
53121	0.400	0.440	-9.1	56759	0.078	0.080	-2.5	58802	0.480	0.480	0.0
53333	0.248	0.239	3.8	56760	0.099	0.098	1.0	58837	0.161	0.162	-0.6
53374	0.260	0.310	-16.1	56912	0.084	0.090	-6.7	58840	0.121	0.127	-4.7
53375	0.270	0.223	21.1 U	56916	0.215	0.205	4.9	58873	0.027	0.030	-10.0
53376	0.183	0.194	-5.7	57001	0.026	0.027	-3.7	58904	0.120	0.128	-6.2
53377	0.188	0.195	-3.6	57002	0.096	0.106	-9.4	58922	0.179	0.168	6.5
53565	0.096	0.108	-11.1	57090	0.680	0.660	3.0	59005	0.089	0.096	-7.3
53631	0.021	0.022	-4.5	57146	0.750	0.720	4.2	59188	0.052	0.055	-5.5
53632	0.032	0.034	-5.9	57257	0.034	0.035	-2.9	59189	0.280	0.300	-6.7
53732	0.470	0.450	4.4	57401	0.089	0.096	-7.3	59223	0.103	0.088	17.0
53733	0.228	0.270	-15.6	57403	0.033	0.035	-5.7	59257	0.012	0.013	-7.7
53907	0.086	0.103	-16.5	57410	0.173	0.162	6.8	59378	0.141	0.150	-6.0
54077	0.390	0.400	-2.5	57572	0.099	0.108	-8.3	59481	0.096	0.099	-3.0
55010	0.980	1.080	-9.3	57600	0.033	0.034	-2.9	59537	0.232	0.210	10.5
55011	1.750	1.570	11.5	57611	0.055	0.062	-11.3	59601	2.230	2.370	-5.9
55012	1.110	1.180	-5.9	57651	0.039	0.041	-4.9	59647	0.158	0.170	-7.1
55013	1.120	1.140	-1.8	57690	0.450	0.490	-8.2	59660	1.060	1.180	-10.2
55214	0.083	0.088	-5.7	57716	0.074	0.082	-9.8	59701	0.330	0.290	13.8
55371	0.108	0.119	-9.2	57725	0.075	0.088	-14.8	59713	0.330	0.310	6.5
55597	1.680	1.790	-6.1	57726	0.023	0.021	9.5	59722	0.028	0.031	-9.7
55647	0.065	0.062	4.8	57810	0.100	0.107	-6.5	59723	0.034	0.037	-8.1
55715	0.203	0.224	-9.4	57871	0.111	0.118	-5.9	59724	0.015	0.019	-21.1
55716	0.490	0.520	-5.8	57913	0.260	0.290	-10.3	59725	0.145	0.116	25.0 U
55802	0.011	0.009	22.2 U	57998	0.054	0.058	-6.9	59726	0.023	0.024	-4.2
55918	2.260	2.740	-17.5	57999	0.070	0.071	-1.4	59738	0.059	0.064	-7.8
55919	3.420	3.650	-6.3	58095	1.790	1.990	-10.1	59750	0.181	0.222	-18.5
56040	0.030	0.033	-9.1	58096	1.490	1.230	21.1	59773	0.026	0.028	-7.1
56202	0.078	0.089	-12.4	58301	0.077	0.088	-12.5	59774	0.141	0.150	-6.0
56390	0.700	0.640	9.4	58302	0.051	0.055	-7.3	59775	0.178	0.188	-5.3

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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	0.085	0.068	25.0 U	91341	6.300	6.390	-1.4	96409	12.800	13.100	-2.3
59782	0.560	0.460	21.7	91342	4.700	4.940	-4.9	96410	11.600	12.000	-3.3
59798	0.460	0.500	-8.0	91343	1.710	1.860	-8.1	96611	1.770	2.040	-13.2
59886	0.100	0.108	-7.4	91436	2.780	3.000	-7.3	97221	1.200	1.420	-15.5
59889	0.187	0.165	13.3	91507	4.030	4.470	-9.8	97222	1.930	2.310	-16.5
59904	0.076	0.061	24.6 U	91551	0.800	0.860	-7.0	97223	4.110	5.450	-24.6
59905	0.120	0.132	-9.1	91555	1.160	1.250	-7.2	97447	6.950	6.710	3.6
59914	0.690	0.680	1.5	91560	5.020	5.390	-6.9	97650	4.840	5.130	-5.7
59915	0.660	0.750	-12.0	91577	4.210	4.150	1.4	97651	5.000	4.960	0.8
59917	0.232	0.205	13.2	91746	6.680	6.600	1.2	97652	6.440	5.180	24.3 U
59923	0.005	0.004	25.0 U	92053	0.660	0.680	-2.9	97653	3.590	3.860	-7.0
59925	1.190	1.190	0.0	92054	0.224	0.280	-20.0	97654	3.350	3.690	-9.2
59926	0.460	0.450	2.2	92055	0.224	0.280	-20.0	97655	5.540	6.660	-16.8
59927	1.300	1.420	-8.5	92101	3.770	3.970	-5.0	98002	1.130	1.260	-10.3
59931	0.480	0.550	-12.7	92102	4.790	4.620	3.7	98152	0.970	0.880	10.2
59932	0.800	0.880	-9.1	92215	3.760	3.870	-2.8	98157	0.450	0.590	-23.7 L
59947	0.300	0.320	-6.3	92338	2.850	2.870	-0.7	98163	0.204	0.260	-21.5
59955	0.132	0.143	-7.7	92446	1.920	2.200	-12.7	98164	0.065	0.084	-22.6
59963	0.370	0.410	-9.8	92447	2.070	2.210	-6.3	98303	8.380	10.400	-19.4
59964	0.066	0.069	-4.3	92451	2.660	2.750	-3.3	98304	4.520	4.430	2.0
59970	0.169	0.183	-7.7	92478	2.070	2.260	-8.4	98305	2.640	2.610	1.1
59975	0.190	0.227	-16.3	94007	7.010	7.230	-3.0	98306	1.090	1.230	-11.4
59984	0.049	0.053	-7.5	94276	5.340	6.030	-11.4	98307	0.520	0.630	-17.5
59988	0.055	0.059	-6.8	94381	18.600	17.200	8.1	98308	1.420	1.510	-6.0
59989	0.041	0.044	-6.8	94404	7.510	7.000	7.3	98309	2.990	2.790	7.2
91111	7.190	7.850	-8.4	94569	4.860	4.860	0.0	98344	0.800	0.920	-13.0
91125	1.640	2.160	-24.1	95124	1.340	1.130	18.6	98449	33.300	37.600	-11.4
91127	1.330	1.700	-21.8	95310	1.660	1.550	7.1	98482	9.410	9.230	2.0
91150	6.950	7.430	-6.5	95410	3.330	3.680	-9.5	98483	25.600	27.700	-7.6
91155	52.000	53.000	-1.9	95455	1.970	1.650	19.4	98502	4.980	5.110	-2.5
91235	2.780	3.710	-25.1 L	95505	2.930	2.930	0.0	98636	4.040	4.410	-8.4
91265	2.550	3.100	-17.7	95625	5.250	4.910	6.9	98659	0.360	0.460	-21.7
91266	1.380	1.390	-0.7	95647	7.520	7.970	-5.6	98677	13.000	13.800	-5.8
91280	4.700	3.780	24.3 U	96053	5.730	6.190	-7.4	98678	18.400	19.900	-7.5
91340	10.900	12.300	-11.4	96408	16.900	19.300	-12.4	98805	1.800	1.730	4.0

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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	3.970	4.290	-7.5								
98813	2.310	2.520	-8.3								
98820	4.250	4.470	-4.9								
98884	2.440	2.400	1.7								
98914	0.540	0.690	-21.7								
98949	0.270	0.350	-22.9								
98967	15.900	14.800	7.4								
98993	4.180	5.590	-25.2	L							
99003	1.710	2.010	-14.9								
99004	2.000	2.210	-9.5								
99080	8.950	10.500	-14.8								
99163	0.420	0.530	-20.8								
99315	2.550	2.510	1.6								
99321	2.890	3.150	-8.3								
99613	2.620	2.780	-5.8								
99650	1.220	1.270	-3.9								
99746	3.950	4.070	-2.9								
99803	13.600	14.700	-7.5								
99826	0.730	0.750	-2.7								
99827	0.600	0.670	-10.4								
99946	3.260	3.540	-7.9								
99948	31.600	35.100	-10.0								
99952	25.200	27.600	-8.7								
99953	13.400	16.500	-18.8								
99954	11.100	14.500	-23.4								
99955	8.490	10.300	-17.6								
99969	4.420	3.750	17.9								

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SECTION B
EXPLANATORY MATERIAL
TABLE OF CONTENTS

• Methodology Overview	B-2-8
• Explanatory Notes to Determination of Indicated Loss Cost Level Change	B-9
• Explanatory Notes to Relative Change Analysis	B-10-16
• Explanatory Notes to Implicit Package Modification Factors	B-17
• Explanation of Exposure Development	B-18-19
• Explanation of Loss Development	B-20-21
• Explanation of Allocated Loss Adjustment Expense (ALAE) Development	B-22-24
• Explanation of Modified Bondy Method	B-25
• Unallocated Loss Adjustment Factor Methodology	B-26
• Explanation of Trend Calculation	B-27-28
• Credibility Standards	B-29-30
• Explanatory Notes to Class Groups and Differentials -- Premises/Operations	B-31
• Explanatory Notes to Class Groups and Calculation of Proposed Class Loss Costs -- Products	B-32
• Explanatory Notes to Class Groups and Calculation of Proposed Class Loss Costs -- Local Products/Completed Operations	B-33

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 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?

DESCRIPTION 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. For Premises/Operations, the standard procedure has been to use the latest three accident years to calculate the weighted average using 20%-30%-50% weights with the highest weight assigned to the most recent year.

However, due to the impact that the COVID-19 pandemic and subsequent recession had on experience from March 2020 and beyond, the procedure has been revised to include a fourth year to calculate the weighted average of the Premises/Operations experience ratios. Equal weights are assigned to each year.

For Products/Completed Operations, the standard procedure remains unchanged. The latest three accident years are weighted 20%-30%-50%, with the highest weight going to the most recent accident year.

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.

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.

EXPERIENCE The experience used in this review is the latest available simplified data as
BASE 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.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

AGGREGATE
LOSS
COSTS

The aggregate loss costs at current ISO loss cost level are the loss-related revenue that would have been collected if the current ISO loss costs and deductible discounts were used during the experience period. They are calculated by extending the exposures at the current ISO loss costs. Where appropriate, certain reported data elements have been adjusted prior to being used in the calculations. The \$100,000 basic limit loss costs are used. Inflation-sensitive exposures are adjusted to a prospective level using exposure trend. Exposures are trended to one year beyond the assumed effective date. Accident year exposures are also developed to account for changes due to exposure audits.

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.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

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.

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

CREDIBILITY-WEIGHTED EXPERIENCE RATIO For Premises/Operations, the weighted experience ratio is credibility-weighted with the expected experience ratio defined above. The resulting credibility-weighted experience ratio, converted to a percentage, is the indicated change to the current monoline-multiline loss cost level.

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 2 - DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION

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

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

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

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

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

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

METHODOLOGY OVERVIEW
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

PRODUCTS(Cont'd) The overall multistate monoline loss cost level indication is the monoline/multiline aggregate loss costs at current level weighted average of the class group indications.

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

LOCAL PRODUCTS/
COMPLETED
OPERATIONS

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

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

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

EXPLANATORY NOTES TO DETERMINATION OF INDICATED
LOSS COST LEVEL CHANGE

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

For Premises/Operations, the loss cost level indication is based upon a review of the latest four years of basic limit experience of companies reporting to Insurance Services Office, Inc. For Products/Completed Operations, 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, 2019 and 2020 are weighted 25%, 25%, 25% and 25% respectively. For Products/Completed Operations, multistate data for accident years ending December 31, 2017, 2018 and 2019 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

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

$$W = RZ \text{ where:}$$

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

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

W is the credibility-weighted relative change.

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MULTILINE CONSIDERATIONS

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

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

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

MONOLINE INDICATIONS -- PREMISES/ OPERATIONS

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

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

Territory applies to Owners, Landlords and Tenants only.

MONOLINE INDICATIONS -- PRODUCTS

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

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

EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

MONOLINE
INDICATIONS --
LOCAL PRODUCTS/
COMPLETED
OPERATIONS

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

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

EXPLANATORY NOTES TO
IMPLICIT PACKAGE MODIFICATION FACTORS

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

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

EXPLANATION OF EXPOSURE DEVELOPMENT

IMPORTANCE OF APPLICATION

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

APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

The earned exposures underlying the Premises/Operations statewide loss cost level indications are evaluated as of December 31, 2020. Products/Completed Operations data is evaluated as of March 31, 2020.

For example, the accident year ending December 31, 2019 includes all exposures earned during the period from January 1, 2019 through December 31, 2019.

The immature experience reported as of 15 and 27 months for accident years ending 9/30/2020 and 9/30/2019 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, 2020 for Premises/ Operations and March 31, 2020 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.

An adjustment factor was applied to the premium development factors for the latest accident year to reflect the reduced expected exposures for M&C due to COVID-19 and the economic recession in 2020. This factor was determined by an analysis of historical experience and actuarial judgment. Refer to Section H for details.

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, 2020. Products/Completed Operations data is evaluated as of March 31, 2020.

For example, the accident year ending December 31, 2019 includes all losses and allocated loss adjustment expenses paid on accidents occurring from January 1, 2019 through December 31, 2019 and all losses and loss adjustment expenses outstanding on those policies as of March 31, 2020, 15 months after the inception of the accident year.

The immature experience reported as of 15, 27, 39 and 51 months for accident years ending 9/30/2020, 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, 2020 evaluated as of December 31, 2020. 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
2001	A	G	L	P	S	U	Z*
2002	B	H	M	Q	T	Y*	
2003	C	I	N	R	X*	Y*	
2004	D	J	O	W*	X*	Y*	
2005	E	K	V*	W*	X*	Y*	
2006	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:

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

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

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

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

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

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

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 1.080.</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.

EXPLANATION OF TREND CALCULATION

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 6/31/2007 - 6/31/2020. For Products/Completed Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2006 - 12/31/2019. 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.

For Premises/Operations, frequency trend data includes pandemic impacted periods. It is expected that the sharpest economic and pandemic disruptions have already occurred, but the effects may persist in muted form for some time. Less reliance than normal has been placed on the frequency trend data for the latest point (year ending 6/30/20) when making selections given that this pandemic impacted period may not be a good indicator of future experience.

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:

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

The rule for Owners, Landlords and Tenants is:

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

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
TABLE OF CONTENTS

Determination of Indicated Loss Cost Level Change:

- Manufacturers and Contractors C-2
- Owners, Landlords and Tenants C-3
- 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	\$11,066,903	\$10,281,161	0.25	0.929	402
09/30/2018	13,492,127	14,001,383	0.25	1.038	583
09/30/2019	13,429,268	15,145,778	0.25	1.128	571
09/30/2020	13,165,262	13,316,270	0.25	1.011	456

(7)	WEIGHTED EXPERIENCE RATIO	1.027
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.023
(9)	CREDIBILITY BASED ON LATEST FOUR YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.56
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO {(7) X (9)} + {(8) X {1.0 - (9)}}	1.025
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE {(10)-1} X 100%	+ 2.5 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	+ 1.0 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	+ 1.0 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 04/01/2022. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.023). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.023) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (04/01/2022) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (04/01/2023).

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	\$11,978,676	\$14,260,549	0.25	1.190	724
09/30/2018	12,323,920	12,038,110	0.25	0.977	803
09/30/2019	11,561,321	13,322,976	0.25	1.152	758
09/30/2020	11,765,603	10,525,235	0.25	0.895	593

(7)	WEIGHTED EXPERIENCE RATIO	1.054
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)	1.037
(9)	CREDIBILITY BASED ON LATEST FOUR YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)	0.69
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO {(7) X (9)} + {(8) X {1.0 - (9)}}	1.049
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE {(10)-1} X 100%	+ 4.9 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	+ 1.5 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE	+ 1.5 %

- (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 04/01/2022. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.
- (C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.037). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.037) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (04/01/2022) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (04/01/2023).

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
12/31/2017	\$116,442,960	\$122,766,765	0.20	1.054	2,085
12/31/2018	114,595,571	112,493,565	0.30	0.982	1,864
12/31/2019	118,873,835	108,853,141	0.50	0.916	1,881
(7)	WEIGHTED EXPERIENCE RATIO				0.963
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7)-1.00}X 100%				- 3.7 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE				- 6.1 %
	(SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)				
(10)	INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C).....				- 6.7 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....				- 6.7 %

- (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 07/01/2021.
- (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) ACCIDENT YEAR ENDING	(2) MULTISTATE AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	(3) MULTISTATE \$100,000 BASIC LIMIT INCURRED LOSSES (B)	(4) YEAR WEIGHTS	(5) EXPERIENCE RATIO	(6) NUMBER OF INCURRED OCCURRENCES
12/31/2017	\$343,496,958	\$355,978,064	0.20	1.036	6,339
12/31/2018	347,546,624	367,885,430	0.30	1.059	6,253
12/31/2019	353,173,971	393,194,740	0.50	1.113	6,100

- (7) WEIGHTED EXPERIENCE RATIO..... 1.081
- (8) INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
 { (7) - 1.00 } x 100%..... + 8.1 %
- (9) INDICATED MULTISTATE MONOLINE CHANGE
 (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... + 9.3 %
- (10) INDICATED STATEWIDE MONOLINE CHANGE (C)
 (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)..... - 4.9 %
- (11) SELECTED STATEWIDE MONOLINE CHANGE..... - 4.9 %

(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 07/01/2021.

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

SECTION D

RELATIVE CHANGE ANALYSIS

TABLE OF CONTENTS

Manufacturers and Contractors

- Basic Limit Relative Change Analysis
With Monoline Indicated Loss Cost Level Changes by Class Group D-2
- Summary of Experience Used in Relative Change Analysis D-3-4

Owners, Landlords and Tenants

- Basic Limit Relative Change Analysis
With Monoline Indicated Loss Cost Level Changes
by Class Group and Territory D-5-6
- Summary of Experience Used in Relative Change Analysis D-7-14

Products

- Basic Limit Relative Change Analysis
With Monoline Indicated Loss Cost Level Changes by Class Group D-15
- Summary of Experience Used in Relative Change Analysis D-16

Local Products/Completed Operations

- Basic Limit Relative Change Analysis
With Monoline Indicated Loss Cost Level Changes by Class Group D-17
- Relative Change Analysis by State D-18
- Summary of Experience Used in Relative Change Analysis D-19-20

MINNESOTA
 MANUFACTURERS AND CONTRACTORS
 BASIC LIMIT RELATIVE CHANGE ANALYSIS

TOP	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	(5) STATEWIDE COVERAGE IND. OF 1.025 OR + 2.5%
10	0.976	0.202	0.995	0.985	
33	0.897	0.028	0.997	0.987	
34	0.707	0.075	0.974	0.965	
35	0.071	0.007	0.982	0.972	
36	0.792	0.125	0.971	0.962	
37	0.776	0.091	0.977	0.967	
38	1.230	0.247	1.053	1.042	
					(5) INDICATED MONOLINE CHANGE
CLASS GROUP					
30	1.168	0.095	1.015	1.011	+ 2.1%
31	1.074	0.142	1.010	1.006	+ 1.6%
32	1.079	0.248	1.019	1.015	+ 2.5%
33	0.905	0.088	0.991	0.987	- 0.3%
34	1.060	0.116	1.007	1.003	+ 1.2%
35	0.806	0.031	0.993	0.989	- 0.1%
36	0.641	0.071	0.969	0.965	- 2.6%
37	0.984	0.063	0.999	0.995	+ 0.5%
38	0.951	0.102	0.995	0.991	0.0%
					OVERALL MONOLINE INDICATION + 1.0%

* 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)	(2)	(3)	(4)	(5)	(6)	
		FISCAL A.Y.E. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.	
10 MONOLINE	30 SERVICE	\$131,338	\$590,265	1.183	1.196	29	0.996	
	31 LIGHT CONTRACTING	306,352	1,425,888	0.941	0.951	98	0.991	
	32 MEDIUM CONTRCTING	1,911,749	9,363,270	1.020	1.031	414	1.000	
	33 HEAVY CONTRACTING	369,213	1,905,270	0.974	0.984	39	0.972	
	34 DEALER OR DISTRIB	156,914	1,203,081	0.984	0.995	38	0.988	
	35 LGT. MANUFACTURER	100,262	772,956	0.753	0.762	10	0.974	
	36 MED. MANUFACTURER	592,314	2,641,238	0.718	0.726	25	0.951	
	37 HVY. MANUFACTURER	250,744	1,015,164	0.700	0.708	24	0.980	
	38 MISC. OPERATION	260,439	1,303,464	1.068	1.080	62	0.976	
	TOTAL *	\$4,079,325	\$20,220,596	0.947		739		
33 MULT OFFICE	31 LIGHT CONTRACTING	\$25,340	\$81,792	1.719	1.738	1	0.993	
	32 MEDIUM CONTRCTING	22,958	116,270	0.000	0.000	0	1.002	
	33 HEAVY CONTRACTING	56,943	227,171	0.845	0.855	4	0.974	
	38 MISC. OPERATION	79,660	428,904	0.845	0.854	10	0.978	
		TOTAL *	\$184,901	\$854,137	0.860		15	
34 MULT MERCANTILE	30 SERVICE	\$13,381	\$57,926	0.265	0.268	4	0.975	
	32 MEDIUM CONTRCTING	74,697	361,576	1.051	1.063	10	0.979	
	34 DEALER OR DISTRIB	660,183	3,090,298	0.622	0.629	78	0.967	
	38 MISC. OPERATION	32,767	130,626	2.613	2.642	10	0.956	
		TOTAL *	\$781,028	\$3,640,426	0.740		102	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$5,021	\$26,820	0.166	0.168	1	0.978	
	32 MEDIUM CONTRCTING	6,059	25,313	0.000	0.000	0	0.986	
		TOTAL *	\$11,080	\$52,133	0.075		1	
36 MULT SERVICES	30 SERVICE	\$24,130	\$130,556	0.842	0.851	15	0.972	
	31 LIGHT CONTRACTING	92,431	474,603	1.117	1.130	30	0.967	
	32 MEDIUM CONTRCTING	124,758	515,567	0.250	0.253	4	0.976	
	33 HEAVY CONTRACTING	28,882	104,720	0.319	0.323	3	0.949	
	34 DEALER OR DISTRIB	388,609	1,510,040	1.082	1.094	127	0.964	
	36 MED. MANUFACTURER	16,144	76,906	1.010	1.022	6	0.928	
	38 MISC. OPERATION	446,767	2,181,630	0.645	0.652	99	0.953	
		TOTAL *	\$1,121,721	\$4,994,022	0.793		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. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2016 - 2020 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	\$234	\$1,266	4.214	4.261	2	0.973
	32 MEDIUM CONTRCTING	207,306	901,622	0.784	0.793	23	0.982
	33 HEAVY CONTRACTING	38,435	215,945	1.609	1.627	5	0.955
	34 DEALER OR DISTRIB	27,582	94,377	0.331	0.334	3	0.970
	35 LGT. MANUFACTURER	144,887	639,742	0.635	0.642	8	0.957
	36 MED. MANUFACTURER	941,544	4,806,418	0.420	0.425	62	0.933
	37 HVY. MANUFACTURER	740,333	3,600,295	0.840	0.850	48	0.962
	38 MISC. OPERATION	16,000	79,384	0.037	0.038	1	0.958
	TOTAL *	\$2,116,321	\$10,339,049	0.636		152	
38 MULT CONTRACTORS	30 SERVICE	\$418,954	\$2,026,716	1.426	1.442	116	1.053
	31 LIGHT CONTRACTING	691,299	3,527,307	1.282	1.297	235	1.048
	32 MEDIUM CONTRCTING	2,592,465	11,795,057	1.361	1.376	657	1.057
	33 HEAVY CONTRACTING	1,023,635	4,375,862	1.040	1.052	90	1.029
	38 MISC. OPERATION	86,868	524,098	0.612	0.619	6	1.032
	TOTAL *	\$4,813,221	\$22,249,040	1.274		1,104	
TOTAL ALL TOP	30 SERVICE	\$587,803	\$2,805,463	1.321		164	
	31 LIGHT CONTRACTING	1,120,677	5,537,676	1.181		367	
	32 MEDIUM CONTRCTING	4,939,992	23,078,675	1.164		1,108	
	33 HEAVY CONTRACTING	1,517,108	6,828,968	1.017		141	
	34 DEALER OR DISTRIB	1,233,288	5,897,796	0.806		246	
	35 LGT. MANUFACTURER	245,149	1,412,698	0.684		18	
	36 MED. MANUFACTURER	1,550,002	7,524,562	0.540		93	
	37 HVY. MANUFACTURER	991,077	4,615,459	0.805		72	
	38 MISC. OPERATION	922,501	4,648,106	0.838		188	
	TOTAL *	\$13,107,597	\$62,349,403	0.989		2,397	

* 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 1.049 OR + 4.9%	
TOP						
10	0.854	0.207	0.968	0.968		
31	1.596	0.098	1.047	1.047		
32	0.742	0.107	0.969	0.969		
33	0.889	0.175	0.980	0.979		
34	1.278	0.202	1.051	1.051		
35	1.100	0.213	1.020	1.020		
36	0.952	0.120	0.994	0.994		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
01	0.525	0.095	0.941	0.942	-	3.7%
02	0.718	0.136	0.956	0.958	-	3.1%
03	0.833	0.111	0.980	0.982	+	0.2%
04	0.489	0.038	0.973	0.975	-	0.6%
05	1.325	0.047	1.013	1.015	+	3.0%
06	1.373	0.050	1.016	1.018	+	4.1%
07	1.066	0.076	1.005	1.007	+	2.7%
08	1.750	0.059	1.034	1.036	+	5.7%
09	0.872	0.132	0.982	0.984	-	0.6%
10	0.731	0.210	0.936	0.938	-	4.4%
11	1.349	0.125	1.038	1.040	+	5.1%
12	1.185	0.241	1.042	1.044	+	6.1%
13	1.532	0.061	1.026	1.028	+	4.0%
16	0.000	0.000	1.000	1.002	+	3.0%
					OVERALL MONOLINE INDICATION +	1.5%

* 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)
TERRITORY	BAILEY FORMULA RELATIV.	CREDIBILITY Z	Z-WTD RELATIV.	BALANCED RELATIV.	INDICATED MONOLINE CHG.
501	0.946	0.260	0.986	0.985	+ 0.5%
502	1.035	0.349	1.012	1.012	+ 2.2%
503	1.064	0.078	1.005	1.004	+ 1.9%

* 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		(1)	(2)	(3)	(4)	(5)	(6)
			FISCAL A.Y.E. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
10 MONOLINE	01 FOOD&BEV. (RETAIL)		\$1,981	\$101,191	2.651	2.601	19	0.899
	02 RESTAURANTS		225,529	935,582	0.102	0.100	28	0.913
	03 STORES		27,683	223,897	0.959	0.941	14	0.936
	04 VENDING & RENTAL		1,021	6,302	0.000	0.000	0	0.930
	05 FOOD & BEV. DIST.		12,847	221,776	1.715	1.682	2	0.968
	06 NON-FOOD&BEV.DIST		5,159	38,529	0.121	0.119	1	0.971
	07 CLUBS, AMSMT&SPRTS		31,247	127,091	4.073	3.996	12	0.960
	08 HEALTH CARE FACIL		2,126	11,004	0.000	0.000	0	0.988
	09 HOTELS AND MOTELS		308,230	1,794,663	0.602	0.590	87	0.938
	10 SCHLS & CHURCHES		120,710	460,235	0.417	0.409	12	0.895
	11 APARTMENTS		443,692	2,239,143	0.987	0.968	60	0.992
	12 BUILDINGS&OFFICES		386,634	2,167,372	1.056	1.036	134	0.995
	13 MISC. PREMISES		8,720	36,997	2.451	2.404	3	0.981
	TOTAL *		\$1,575,579	\$8,363,782	0.830		372	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS		\$171,610	\$775,063	0.876	0.859	59	1.015
	TOTAL *		\$171,610	\$775,063	0.876		59	
32 MULT APARTMENT	11 APARTMENTS		\$477,969	\$2,351,668	1.051	1.031	91	0.993
	12 BUILDINGS&OFFICES		56,290	238,262	1.100	1.079	17	0.996
	TOTAL *		\$534,259	\$2,589,930	1.056		108	
33 MULT OFFICE	12 BUILDINGS&OFFICES		\$822,153	\$4,178,209	0.975	0.957	232	1.007
	13 MISC. PREMISES		7,414	37,085	0.000	0.000	0	0.993
	TOTAL *		\$829,567	\$4,215,294	0.967		232	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)		\$102,451	\$341,217	0.500	0.490	17	0.976
	02 RESTAURANTS		371,646	1,967,113	0.942	0.924	112	0.992
	03 STORES		114,208	466,868	1.647	1.615	38	1.016
	04 VENDING & RENTAL		8,320	38,538	0.785	0.770	1	1.009
	05 FOOD & BEV. DIST.		34,471	219,551	0.528	0.518	15	1.051
	06 NON-FOOD&BEV.DIST		51,878	321,958	6.737	6.609	17	1.054
	12 BUILDINGS&OFFICES		70,101	543,268	1.781	1.747	51	1.081
	TOTAL *		\$753,075	\$3,898,513	1.445		251	

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. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS		\$132	\$2,182	0.000	0.000	0	1.012
	08 HEALTH CARE FACIL		29,841	116,846	2.316	2.272	9	1.041
	10 SCHLS & CHURCHES		536,198	2,217,433	0.624	0.612	102	0.943
	12 BUILDINGS&OFFICES		1,219	4,195	0.000	0.000	0	1.049
	TOTAL *		\$567,390	\$2,340,656	0.711		111	
36 MULT SERVICES	03 STORES		\$10,085	\$31,283	2.119	2.079	6	0.962
	04 VENDING & RENTAL		11,646	57,942	0.000	0.000	0	0.955
	07 CLUBS,AMSMT&SPRTS		117,987	445,568	0.830	0.814	20	0.986
	08 HEALTH CARE FACIL		337	1,162	0.000	0.000	0	1.014
	09 HOTELS AND MOTELS		135	41,176	0.000	0.000	0	0.964
	10 SCHLS & CHURCHES		1,247	6,907	0.000	0.000	0	0.919
	12 BUILDINGS&OFFICES		98,310	836,081	0.701	0.688	44	1.022
	13 MISC. PREMISES		69,890	331,357	0.453	0.445	16	1.007
	TOTAL *		\$309,637	\$1,751,476	0.710		86	
	TOTAL ALL TOP							
	01 FOOD&BEV. (RETAIL)		\$104,432	\$442,408	0.541		36	
	02 RESTAURANTS		597,175	2,902,695	0.625		140	
	03 STORES		151,976	722,048	1.553		58	
	04 VENDING & RENTAL		20,987	102,782	0.311		1	
	05 FOOD & BEV. DIST.		47,318	441,327	0.851		17	
	06 NON-FOOD&BEV.DIST		57,037	360,487	6.138		18	
	07 CLUBS,AMSMT&SPRTS		149,366	574,841	1.508		32	
	08 HEALTH CARE FACIL		32,304	129,012	2.140		9	
	09 HOTELS AND MOTELS		479,975	2,610,902	0.699		146	
	10 SCHLS & CHURCHES		658,155	2,684,575	0.585		114	
	11 APARTMENTS		921,661	4,590,811	1.020		151	
	12 BUILDINGS&OFFICES		1,434,707	7,967,387	1.022		478	
	13 MISC. PREMISES		86,024	405,439	0.617		19	
	TOTAL *		\$4,741,117	\$23,934,714	0.957		1,219	

* 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	(1) FISCAL A.Y.E. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$103,247	\$509,396	0.444	0.435	19	0.923
	02 RESTAURANTS	49,923	325,872	0.913	0.896	28	0.938
	03 STORES	111,860	1,055,575	0.342	0.335	29	0.961
	04 VENDING & RENTAL	3,022	23,104	4.168	4.089	11	0.955
	05 FOOD & BEV. DIST.	13,522	46,577	2.459	2.412	4	0.994
	06 NON-FOOD&BEV.DIST	58,324	329,839	0.732	0.718	4	0.997
	07 CLUBS, AMSMT&SPRTS	53,650	273,440	1.141	1.119	16	0.986
	08 HEALTH CARE FACIL	1,798	8,633	0.000	0.000	0	1.014
	09 HOTELS AND MOTELS	32,383	502,251	1.388	1.361	39	0.963
	10 SCHLS & CHURCHES	170,666	758,088	1.047	1.028	35	0.918
	11 APARTMENTS	234,077	1,272,487	1.337	1.312	46	1.018
	12 BUILDINGS&OFFICES	364,470	2,524,390	1.168	1.146	135	1.022
	13 MISC. PREMISES	3,822	29,492	0.816	0.801	8	1.007
	16 GOVT SUBDIVISIONS	2,557	12,285	0.000	0.000	0	0.981
	TOTAL *	\$1,203,321	\$7,671,429	1.035		374	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$225,405	\$1,062,997	1.769	1.736	102	1.042
	TOTAL *	\$225,405	\$1,062,997	1.769		102	
32 MULT APARTMENT	11 APARTMENTS	\$328,531	\$1,629,113	1.119	1.098	82	1.019
	12 BUILDINGS&OFFICES	70,256	357,676	0.350	0.343	14	1.023
	TOTAL *	\$398,787	\$1,986,789	0.984		96	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,235,113	\$5,885,972	1.174	1.152	303	1.034
	13 MISC. PREMISES	6,601	27,959	1.030	1.011	4	1.019
	TOTAL *	\$1,241,714	\$5,913,931	1.173		307	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$322,167	\$1,609,074	0.747	0.733	107	1.002
	02 RESTAURANTS	381,542	2,096,495	1.150	1.128	151	1.018
	03 STORES	295,918	1,534,348	0.648	0.636	99	1.043
	04 VENDING & RENTAL	27,182	128,391	0.026	0.026	1	1.036
	05 FOOD & BEV. DIST.	38,322	221,420	1.280	1.256	15	1.079
	06 NON-FOOD&BEV.DIST	231,039	1,201,382	0.887	0.870	23	1.082
	12 BUILDINGS&OFFICES	227,477	1,430,724	0.999	0.980	67	1.109
	TOTAL *	\$1,523,647	\$8,221,834	0.888		463	

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. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS		\$14,256	\$51,534	3.295	3.233	4	1.039
	08 HEALTH CARE FACIL		86,210	382,798	2.045	2.007	53	1.069
	10 SCHLS & CHURCHES		1,430,775	6,271,373	0.896	0.879	635	0.968
	12 BUILDINGS&OFFICES		1,970	9,873	0.141	0.138	1	1.077
	13 MISC. PREMISES		0	151	0.000	0.000	0	1.061
	16 GOVT SUBDIVISIONS		4,340	14,803	0.000	0.000	0	1.034
	TOTAL *		\$1,537,551	\$6,730,532	0.979		693	
36 MULT SERVICES	03 STORES		\$52,330	\$204,093	2.729	2.677	32	0.987
	04 VENDING & RENTAL		19,948	117,107	1.023	1.004	14	0.980
	07 CLUBS,AMSMT&SPRTS		293,028	1,139,985	0.706	0.692	46	1.012
	08 HEALTH CARE FACIL		137	424	0.000	0.000	0	1.041
	09 HOTELS AND MOTELS		5,401	25,162	4.696	4.608	4	0.989
	10 SCHLS & CHURCHES		6,426	10,351	0.000	0.000	0	0.943
	12 BUILDINGS&OFFICES		57,534	303,652	1.496	1.468	26	1.049
	13 MISC. PREMISES		54,062	296,369	2.950	2.894	37	1.034
	TOTAL *		\$488,866	\$2,097,143	1.311		159	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)		\$425,414	\$2,118,470	0.673		126	
	02 RESTAURANTS		431,465	2,422,367	1.122		179	
	03 STORES		460,108	2,794,016	0.810		160	
	04 VENDING & RENTAL		50,152	268,602	0.673		26	
	05 FOOD & BEV. DIST.		51,844	267,997	1.587		19	
	06 NON-FOOD&BEV.DIST		289,363	1,531,221	0.856		27	
	07 CLUBS,AMSMT&SPRTS		360,934	1,464,959	0.873		66	
	08 HEALTH CARE FACIL		88,145	391,855	2.000		53	
	09 HOTELS AND MOTELS		263,189	1,590,410	1.782		145	
	10 SCHLS & CHURCHES		1,607,867	7,039,812	0.909		670	
	11 APARTMENTS		562,608	2,901,600	1.210		128	
	12 BUILDINGS&OFFICES		1,956,820	10,512,287	1.131		546	
	13 MISC. PREMISES		64,485	353,971	2.627		49	
	16 GOVT SUBDIVISIONS		6,897	27,088	0.000		0	
	TOTAL *		\$6,619,291	\$33,684,655	1.056		2,194	

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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)	(2)	(3)	(4)	(5)	(6)
		FISCAL A.Y.E. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$234	\$18,364	0.000	0.000	0	0.916
	02 RESTAURANTS	10,073	38,868	0.169	0.166	1	0.931
	03 STORES	4,607	44,931	0.542	0.532	4	0.954
	04 VENDING & RENTAL	171	1,098	0.000	0.000	0	0.948
	05 FOOD & BEV. DIST.	19	39	0.000	0.000	0	0.987
	06 NON-FOOD&BEV.DIST	345	4,108	0.000	0.000	0	0.990
	07 CLUBS, AMSMT&SPRTS	7,116	34,547	0.219	0.215	2	0.979
	08 HEALTH CARE FACIL	1,504	22,335	0.000	0.000	0	1.007
	09 HOTELS AND MOTELS	23,611	172,729	0.640	0.628	15	0.957
	10 SCHLS & CHURCHES	10,686	52,132	0.126	0.124	1	0.912
	11 APARTMENTS	9,313	42,808	1.134	1.113	1	1.011
	12 BUILDINGS&OFFICES	17,217	114,985	0.031	0.031	2	1.015
	13 MISC. PREMISES	2,115	10,542	0.000	0.000	0	1.000
	TOTAL *	\$87,011	\$557,486	0.383		26	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$35,638	\$169,036	1.847	1.812	12	1.035
	TOTAL *	\$35,638	\$169,036	1.847		12	
32 MULT APARTMENT	11 APARTMENTS	\$32,387	\$166,961	0.042	0.041	4	1.012
	12 BUILDINGS&OFFICES	2,060	23,460	0.179	0.176	1	1.015
	TOTAL *	\$34,447	\$190,421	0.050		5	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$72,530	\$310,693	0.695	0.682	14	1.027
	13 MISC. PREMISES	31	160	0.000	0.000	0	1.012
	TOTAL *	\$72,561	\$310,853	0.695		14	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$10,172	\$43,376	0.837	0.821	3	0.995
	02 RESTAURANTS	28,373	147,578	1.402	1.376	14	1.011
	03 STORES	2,239	29,020	0.000	0.000	0	1.036
	04 VENDING & RENTAL	100	726	0.000	0.000	0	1.029
	05 FOOD & BEV. DIST.	3,136	10,733	12.177	11.947	5	1.071
	06 NON-FOOD&BEV.DIST	2,063	6,793	0.000	0.000	0	1.074
	12 BUILDINGS&OFFICES	10,295	32,702	10.423	10.226	3	1.101
TOTAL *	\$56,378	\$270,928	3.437		25		

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. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP							
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS		\$1,313	\$3,624	0.000	0.000	0	1.032
	08 HEALTH CARE FACIL		27,597	143,656	1.872	1.837	2	1.061
	10 SCHLS & CHURCHES		62,500	283,376	0.530	0.520	13	0.961
	TOTAL *		\$91,410	\$430,656	0.927		15	
36 MULT SERVICES	03 STORES		\$1,415	\$3,789	0.000	0.000	0	0.980
	04 VENDING & RENTAL		843	4,463	0.000	0.000	0	0.973
	07 CLUBS,AMSMT&SPRTS		8,064	58,057	0.195	0.191	4	1.005
	12 BUILDINGS&OFFICES		6,522	38,382	3.378	3.315	10	1.042
	13 MISC. PREMISES		1,514	8,716	0.037	0.037	1	1.027
	TOTAL *		\$18,358	\$113,407	1.289		15	
TOTAL ALL	TOP							
	01 FOOD&BEV. (RETAIL)		\$10,406	\$61,740	0.818		3	
	02 RESTAURANTS		38,446	186,446	1.079		15	
	03 STORES		8,261	77,740	0.303		4	
	04 VENDING & RENTAL		1,114	6,287	0.000		0	
	05 FOOD & BEV. DIST.		3,155	10,772	12.103		5	
	06 NON-FOOD&BEV.DIST		2,408	10,901	0.000		0	
	07 CLUBS,AMSMT&SPRTS		16,493	96,228	0.190		6	
	08 HEALTH CARE FACIL		29,101	165,991	1.776		2	
	09 HOTELS AND MOTELS		59,249	341,765	1.366		27	
	10 SCHLS & CHURCHES		73,186	335,508	0.471		14	
	11 APARTMENTS		41,700	209,769	0.286		5	
	12 BUILDINGS&OFFICES		108,624	520,222	1.663		30	
	13 MISC. PREMISES		3,660	19,418	0.015		1	
	TOTAL *		\$395,803	\$2,042,787	1.146		112	

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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. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.	
TYPE OF POLICY	CLASS GROUP							
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$105,462	\$628,951	0.484		38		
	02 RESTAURANTS	285,525	1,300,322	0.246		57		
	03 STORES	144,150	1,324,403	0.467		47		
	04 VENDING & RENTAL	4,214	30,504	2.989		11		
	05 FOOD & BEV. DIST.	26,388	268,392	2.095		6		
	06 NON-FOOD&BEV.DIST	63,828	372,476	0.679		5		
	07 CLUBS, AMSMT&SPRTS	92,013	435,078	2.065		30		
	08 HEALTH CARE FACIL	5,428	41,972	0.000		0		
	09 HOTELS AND MOTELS	364,224	2,469,643	0.674		141		
	10 SCHLS & CHURCHES	302,062	1,270,455	0.763		48		
	11 APARTMENTS	687,082	3,554,438	1.108		107		
	12 BUILDINGS&OFFICES	768,321	4,806,747	1.086		271		
	13 MISC. PREMISES	14,657	77,031	1.671		11		
	16 GOVT SUBDIVISIONS	2,557	12,285	0.000		0		
		TOTAL *	\$2,865,911	\$16,592,697	0.902		772	
	31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$432,653	\$2,007,096	1.421		173	
TOTAL *		\$432,653	\$2,007,096	1.421		173		
32 MULT APARTMENT	11 APARTMENTS	\$838,887	\$4,147,742	1.039		177		
	12 BUILDINGS&OFFICES	128,606	619,398	0.675		32		
	TOTAL *	\$967,493	\$4,767,140	0.991		209		
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$2,129,796	\$10,374,874	1.081		549		
	13 MISC. PREMISES	14,046	65,204	0.484		4		
	TOTAL *	\$2,143,842	\$10,440,078	1.077		553		
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$434,790	\$1,993,667	0.691		127		
	02 RESTAURANTS	781,561	4,211,186	1.060		277		
	03 STORES	412,365	2,030,236	0.921		137		
	04 VENDING & RENTAL	35,602	167,655	0.204		2		
	05 FOOD & BEV. DIST.	75,929	451,704	1.389		35		
	06 NON-FOOD&BEV.DIST	284,980	1,530,133	1.945		40		
	12 BUILDINGS&OFFICES	307,873	2,006,694	1.492		121		
	TOTAL *	\$2,333,100	\$12,391,275	1.130		739		

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. 09/30/2020 AGGREGATE LOSS COSTS AT CURRENT LEVEL	FISCAL A.Y.E. 2016 - 2020 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	\$15,701	\$57,340	2.992		4	
	08 HEALTH CARE FACIL	143,648	643,300	2.068		64	
	10 SCHLS & CHURCHES	2,029,473	8,772,182	0.813		750	
	12 BUILDINGS&OFFICES	3,189	14,068	0.087		1	
	13 MISC. PREMISES	0	151	0.000		0	
	16 GOVT SUBDIVISIONS	4,340	14,803	0.000		0	
	TOTAL *	\$2,196,351	\$9,501,844	0.908		819	
36 MULT SERVICES	03 STORES	\$63,830	\$239,165	2.572		38	
	04 VENDING & RENTAL	32,437	179,512	0.629		14	
	07 CLUBS,AMSMT&SPRTS	419,079	1,643,610	0.731		70	
	08 HEALTH CARE FACIL	474	1,586	0.000		0	
	09 HOTELS AND MOTELS	5,536	66,338	4.582		4	
	10 SCHLS & CHURCHES	7,673	17,258	0.000		0	
	12 BUILDINGS&OFFICES	162,366	1,178,115	1.090		80	
	13 MISC. PREMISES	125,466	636,442	1.524		54	
TOTAL *	\$816,861	\$3,962,026	1.083		260		
TOTAL ALL	TOP						
	01 FOOD&BEV. (RETAIL)	\$540,252	\$2,622,618	0.651		165	
	02 RESTAURANTS	1,067,086	5,511,508	0.842		334	
	03 STORES	620,345	3,593,804	0.985		222	
	04 VENDING & RENTAL	72,253	377,671	0.557		27	
	05 FOOD & BEV. DIST.	102,317	720,096	1.571		41	
	06 NON-FOOD&BEV.DIST	348,808	1,902,609	1.714		45	
	07 CLUBS,AMSMT&SPRTS	526,793	2,136,028	1.031		104	
	08 HEALTH CARE FACIL	149,550	686,858	1.987		64	
	09 HOTELS AND MOTELS	802,413	4,543,077	1.104		318	
	10 SCHLS & CHURCHES	2,339,208	10,059,895	0.804		798	
	11 APARTMENTS	1,525,969	7,702,180	1.070		284	
	12 BUILDINGS&OFFICES	3,500,151	18,999,896	1.103		1,054	
	13 MISC. PREMISES	154,169	778,828	1.443		69	
	16 GOVT SUBDIVISIONS	6,897	27,088	0.000		0	
	TOTAL *	\$11,756,211	\$59,662,156	1.019		3,525	

* 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 0.963 OR - 3.7%				
TOP									
10	0.928	0.343	0.975	0.975					
34	1.065	0.357	1.023	1.023					
36	1.147	0.179	1.025	1.025					
37	1.002	0.474	1.001	1.001					
					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE		
CLASS GROUP									
3	1.020	0.456	1.009	1.013	- 4.9%	- 1.5%	- 1.5%		
4	0.934	0.390	0.974	0.977	- 8.3%	- 11.2%	- 11.2%		
5	1.299	0.127	1.034	1.037	- 2.6%	- 4.3%	- 4.3%		
6	1.020	0.312	1.006	1.010	- 5.2%	- 7.6%	- 7.6%		
7	0.986	0.168	0.998	1.001	- 6.0%	- 5.8%	- 5.8%		
			OVERALL MONOLINE	INDICATION	- 6.1%	- 6.7%	- 6.7%		

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

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

MULTISTATE
PRODUCTS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	03 MAN, DLR, DSTFD/DRG	\$13,750,935	\$66,100,554	0.988	0.977	1,263	0.987
	04 DLR, DST-NOTFD/DRG	8,477,615	41,310,448	0.911	0.900	460	0.952
	05 MAN.NTFD/DRG (LOW)	1,472,878	6,420,923	1.025	1.013	73	1.011
	06 MAN.NTFD/DRG (MED)	9,010,398	41,539,850	0.977	0.966	500	0.984
	07 MAN.NTFD/DRG (HGH)	2,241,335	11,290,085	0.650	0.643	59	0.976
	TOTAL *	\$34,953,161	\$166,661,860	0.947		2,355	
34 MULT MERCANTILE	03 MAN, DLR, DSTFD/DRG	\$4,329,151	\$22,382,753	1.183	1.169	619	1.036
	04 DLR, DST-NOTFD/DRG	27,418,064	130,792,947	0.993	0.982	1,940	1.000
	06 MAN.NTFD/DRG (MED)	8,530	45,329	0.000	0.000	0	1.033
	TOTAL *	\$31,755,745	\$153,221,029	1.019		2,559	
36 MULT SERVICES	04 DLR, DST-NOTFD/DRG	\$3,121,637	\$14,216,143	1.102	1.090	644	1.002
	06 MAN.NTFD/DRG (MED)	48,702	226,631	0.000	0.000	0	1.035
	TOTAL *	\$3,170,339	\$14,442,774	1.085		644	
37 MULT INDUST/PROC.	03 MAN, DLR, DSTFD/DRG	\$12,807,039	\$61,610,215	0.973	0.962	2,291	1.014
	05 MAN.NTFD/DRG (LOW)	3,340,860	17,802,968	1.402	1.386	250	1.039
	06 MAN.NTFD/DRG (MED)	26,492,844	125,759,189	1.030	1.018	1,448	1.011
	07 MAN.NTFD/DRG (HGH)	6,306,324	31,298,086	1.098	1.085	508	1.002
	TOTAL *	\$48,947,067	\$236,470,458	1.049		4,497	
TOTAL ALL TOP	03 MAN, DLR, DSTFD/DRG	\$30,887,125	\$150,093,522	1.009		4,173	
	04 DLR, DST-NOTFD/DRG	39,017,316	186,319,538	0.984		3,044	
	05 MAN.NTFD/DRG (LOW)	4,813,738	24,223,891	1.287		323	
	06 MAN.NTFD/DRG (MED)	35,560,474	167,570,999	1.015		1,948	
	07 MAN.NTFD/DRG (HGH)	8,547,659	42,588,171	0.980		567	
	TOTAL *	\$118,826,312	\$570,796,121	1.012		10,055	

* 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		
TOP					IND. OF 1.081 OR + 8.1%		
10	1.014	0.781	1.011	1.010			
34	1.061	0.502	1.030	1.029			
36	0.921	0.535	0.957	0.956			
37	1.061	0.143	1.009	1.008			
38	0.996	0.991	0.996	0.995			
					(5)	(6)	(7)
					INDICATED MULTISTATE MONOLINE CHANGE	INDICATED STATEWIDE MONOLINE CHANGE#*	SELECTED STATEWIDE MONOLINE CHANGE
CLASS GROUP							
1	0.808	0.501	0.899	0.894	- 3.4%	- 14.2%	- 13.6%
2	0.988	0.512	0.994	0.989	+ 7.7%	- 4.4%	- 4.8%
11	1.091	0.353	1.031	1.026	+ 12.1%	- 1.0%	- 1.0%
12	1.018	1.000	1.018	1.012	+ 10.3%	- 4.5%	- 4.5%
13	0.823	0.264	0.950	0.945	+ 2.7%	- 8.7%	- 8.5%
			OVERALL MONOLINE INDICATION		+ 9.3%	- 4.9%	- 4.9%

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

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

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

STATE	(1) BAILEY FORMULA RELATIV	(2) CREDIBILITY Z	(3) Z-WTD RELATIV	(4) BALANCED RELATIV.	(5) INDICATED ** MONOLINE CHG.	(6) SELECTED MONOLINE CHG.
	1.281	0.407	1.106	1.106		
	1.228	0.480	1.103	1.103		
	1.219	0.458	1.095	1.095		
	1.439	0.240	1.091	1.091		
	1.304	0.278	1.077	1.076		
	1.120	0.581	1.068	1.068		
	1.362	0.161	1.051	1.051		
	1.191	0.265	1.047	1.047		
	1.209	0.202	1.039	1.039		
	1.078	0.482	1.037	1.037		
	1.363	0.116	1.037	1.036		
	1.172	0.145	1.023	1.023		
	1.103	0.196	1.019	1.019		
	1.055	0.330	1.018	1.018		
	1.049	0.380	1.018	1.018		
	1.052	0.299	1.015	1.015		
	1.078	0.174	1.013	1.013		
	1.036	0.362	1.013	1.012		
	1.049	0.250	1.012	1.012		
	1.032	0.324	1.010	1.010		
	1.050	0.135	1.007	1.006		
	1.011	0.415	1.004	1.004		
	1.021	0.177	1.004	1.003		
	1.021	0.155	1.003	1.003		
	1.026	0.098	1.003	1.002		
	0.993	0.454	0.997	0.997		
	0.990	0.469	0.995	0.995		
	0.990	0.567	0.994	0.994		
	0.975	0.380	0.991	0.990		
	0.936	0.230	0.985	0.985		
	0.889	0.133	0.985	0.984		
	0.972	0.595	0.983	0.983		
	0.927	0.238	0.982	0.982		
	0.896	0.190	0.979	0.979		
	0.684	0.055	0.979	0.979		
	0.931	0.383	0.973	0.973		
	0.867	0.237	0.967	0.967		
	0.813	0.165	0.966	0.966		
	0.735	0.160	0.952	0.952		
	0.897	0.470	0.950	0.950		
	0.860	0.336	0.950	0.950		
	0.877	0.406	0.948	0.948		
	0.919	0.645	0.947	0.946		
	0.888	0.489	0.944	0.943		
	0.776	0.230	0.943	0.943		
	0.797	0.267	0.941	0.941		
	0.804	0.300	0.937	0.936		
	0.088	0.035	0.919	0.918		
	0.801	0.387	0.918	0.917		
	0.645	0.196	0.918	0.917		
	0.758	0.314	0.917	0.916		
MINNESOTA	0.619	0.293	0.869	0.869	-4.9%	-4.9%

* 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)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$22,575	\$140,067	0.175	0.161	7	0.784
	02 RET.STRS-NTFD/DRG	38,728	194,976	0.701	0.646	9	0.868
	11 COMP. OPS. (LOW)	124,397	562,527	2.197	2.024	25	0.900
	12 COMP. OPS. (MED)	1,412,682	5,925,445	0.472	0.435	79	0.888
	13 COMP. OPS. (HGH)	194,152	765,815	0.043	0.040	1	0.829
	TOTAL *	\$1,792,534	\$7,588,830	0.547		121	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$147,635	\$750,624	0.446	0.411	31	0.799
	02 RET.STRS-NTFD/DRG	113,323	679,257	1.054	0.971	12	0.884
	12 COMP. OPS. (MED)	27,505	116,520	2.989	2.753	3	0.905
	TOTAL *	\$288,463	\$1,546,401	0.927		46	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$34,110	\$148,845	0.317	0.292	4	0.742
	02 RET.STRS-NTFD/DRG	163,037	656,946	0.940	0.866	41	0.821
	11 COMP. OPS. (LOW)	100,040	459,219	0.472	0.434	23	0.852
	12 COMP. OPS. (MED)	91,599	423,495	0.291	0.268	9	0.841
	13 COMP. OPS. (HGH)	51,368	276,583	0.263	0.242	3	0.785
	TOTAL *	\$440,154	\$1,965,088	0.571		80	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$1,377	\$6,515	0.000	0.000	0	0.783
	11 COMP. OPS. (LOW)	1,888	10,564	0.000	0.000	0	0.898
	12 COMP. OPS. (MED)	143,583	694,427	0.114	0.105	3	0.886
	TOTAL *	\$146,848	\$711,506	0.112		3	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$215,614	\$1,221,426	0.963	0.887	12	0.887
	12 COMP. OPS. (MED)	3,240,736	16,531,861	0.680	0.627	194	0.875
	13 COMP. OPS. (HGH)	290,619	1,156,658	1.303	1.200	18	0.817
	TOTAL *	\$3,746,969	\$18,909,945	0.745		224	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$205,697	\$1,046,051	0.392		42	
	02 RET.STRS-NTFD/DRG	315,088	1,531,179	0.952		62	
	11 COMP. OPS. (LOW)	441,939	2,253,736	1.195		60	
	12 COMP. OPS. (MED)	4,916,105	23,691,748	0.610		288	
	13 COMP. OPS. (HGH)	536,139	2,199,056	0.747		22	
	TOTAL *	\$6,414,968	\$30,721,770	0.671		474	

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

MULTISTATE
LOCAL PRODUCTS/COMPLETED OPERATIONS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$2,438,315	\$11,481,124	0.912		601	
	02 RET.STRS-NTFD/DRG	2,987,973	14,421,548	1.083		495	
	11 COMP. OPS. (LOW)	5,121,852	24,832,256	1.466		645	
	12 COMP. OPS. (MED)	99,545,324	453,611,463	1.119		7,145	
	13 COMP. OPS. (HGH)	7,985,186	36,362,548	0.800		270	
	TOTAL *	\$118,078,650	\$540,708,939	1.107		9,156	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$8,413,377	\$39,955,164	0.852		2,982	
	02 RET.STRS-NTFD/DRG	5,555,517	26,312,504	1.249		672	
	12 COMP. OPS. (MED)	2,446,813	11,636,945	1.127		132	
	TOTAL *	\$16,415,707	\$77,904,613	1.027		3,786	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$849,959	\$4,339,848	1.306		191	
	02 RET.STRS-NTFD/DRG	14,215,160	58,934,622	0.949		2,767	
	11 COMP. OPS. (LOW)	3,232,727	15,442,449	1.070		482	
	12 COMP. OPS. (MED)	4,903,919	24,436,703	1.096		800	
	13 COMP. OPS. (HGH)	1,070,506	5,494,809	0.779		63	
	TOTAL *	\$24,272,271	\$108,648,431	1.000		4,303	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$18,762	\$99,731	0.355		1	
	11 COMP. OPS. (LOW)	112,387	573,798	1.063		19	
	12 COMP. OPS. (MED)	3,767,022	19,395,784	1.167		289	
	13 COMP. OPS. (HGH)	42,656	250,636	0.000		0	
	TOTAL *	\$3,940,827	\$20,319,949	1.148		309	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$10,108,739	\$49,095,087	1.069		731	
	12 COMP. OPS. (MED)	164,891,867	821,442,733	1.100		13,301	
	13 COMP. OPS. (HGH)	14,409,562	69,575,366	0.945		720	
	TOTAL *	\$189,410,168	\$940,113,186	1.087		14,752	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$11,720,413	\$55,875,867	0.897		3,775	
	02 RET.STRS-NTFD/DRG	22,758,650	99,668,674	1.040		3,934	
	11 COMP. OPS. (LOW)	18,575,705	89,943,590	1.178		1,877	
	12 COMP. OPS. (MED)	275,554,945	1,330,523,628	1.108		21,667	
	13 COMP. OPS. (HGH)	23,507,910	111,683,359	0.887		1,053	
	TOTAL *	\$352,117,623	\$1,687,695,118	1.085		32,306	

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

SECTION E
SUPPORTING MATERIAL -- PREMISES/OPERATIONS
TABLE OF CONTENTS

Calculation of Aggregate Loss Costs at Current Level and Incurred Losses	E-2-7
Implicit Package Modification Factors	E-8-9
Calculation of Exposure Development Factors	E-10-15
Table of Contents - Loss Development	E-16
Loss Development Data	E-17-74
Multistate Review of ULAE Experience	E-75
Trend Summary	E-76
Trend Data	E-77-88
Class Groups and Differentials	E-89-99

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

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000		EXPOSURE			TREND#		TREND#		AVERAGE IPMF*	=	TRENDED \$100,000	
		BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	X	DEVELOPMENT FACTOR+@	X	EXPOSURE TREND#	X	EXPOSURE TREND#	X	BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL			TRENDED \$100,000 AGGREGATE LOSS COSTS AT CURRENT LEVEL	
MONOLINE	09/30/2017	\$3,182,011		1.000		1.138							\$3,621,129	
	09/30/2018	3,785,653		1.000		1.110							4,202,075	
	09/30/2019	4,043,911		1.000		1.081							4,371,468	
	09/30/2020	3,894,220		0.987		1.066							4,097,272	
MULTILINE	09/30/2017	\$6,045,753		1.000		1.133				1.087			\$7,445,774	
	09/30/2018	7,734,395		1.000		1.105				1.087			9,290,052	
	09/30/2019	7,729,910		1.000		1.078				1.087			9,057,800	
	09/30/2020	7,928,794		0.987		1.066				1.087			9,067,990	
TOTAL	09/30/2017												\$11,066,903	
	09/30/2018												13,492,127	
	09/30/2019												13,429,268	
	09/30/2020												13,165,262	

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

@ THE EXPOSURE DEVELOPMENT FACTOR FOR THE LATEST YEAR HAS BEEN ADJUSTED BY APPLYING A FACTOR OF 0.970 TO REFLECT THE REDUCED EXPECTED EXPOSURE FOR M&C DUE TO THE COVID-19 PANDEMIC AND THE ECONOMIC RECESSION IN 2020. THE DERIVATION OF THE ADJUSTMENT IS EXPLAINED IN SECTION H.

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 04/01/2022 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*				SEVERITY TREND	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
			B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X				
BI	B/L INDEMNITY	09/30/2017	\$1,769,708	1.031	1.080	1.302	1.000		\$2,565,636	
		09/30/2018	1,974,850	1.075	1.080	1.246	1.000		2,856,830	
		09/30/2019	1,686,939	1.288	1.080	1.193	1.000		2,799,493	
		09/30/2020	1,292,483	1.522	1.080	1.141	1.000		2,424,091	
BI	ALAE	09/30/2017	\$1,338,006		1.080	1.302	1.000		\$1,881,451	
		09/30/2018	940,851		1.080	1.246	1.000		1,266,084	
		09/30/2019	1,264,334		1.080	1.193	1.000		1,629,018	
		09/30/2020	1,705,207		1.080	1.141	1.000		2,101,292	
PD	B/L INDEMNITY	09/30/2017	\$2,507,802	1.023	1.080	1.302	1.000		\$3,607,477	
		09/30/2018	4,473,589	1.028	1.080	1.246	1.000		6,188,580	
		09/30/2019	3,949,114	1.046	1.080	1.193	1.000		5,322,253	
		09/30/2020	3,564,563	1.194	1.080	1.141	1.000		5,244,692	
PD	ALAE	09/30/2017	\$432,143		1.080	1.302	1.000		\$607,662	
		09/30/2018	1,531,902		1.080	1.246	1.000		2,061,450	
		09/30/2019	1,323,774		1.080	1.193	1.000		1,705,603	
		09/30/2020	1,307,421		1.080	1.141	1.000		1,611,109	
MED PAY#	B/L INDEMNITY	09/30/2017	\$87,112		1.080	1.302	1.000		\$122,493	
		09/30/2018	102,729		1.080	1.246	1.000		138,240	
		09/30/2019	125,175		1.080	1.193	1.000		161,280	
		09/30/2020	75,449		1.080	1.141	1.000		92,974	
FRINGE	B/L INDEMNITY	09/30/2017	\$337,871	1.042	1.080	1.000	1.000		\$380,227	
		09/30/2018	125,506	1.093	1.080	1.000	1.000		148,152	
		09/30/2019	143,219	1.244	1.080	1.000	1.000		192,418	
		09/30/2020	79,301	1.568	1.080	1.000	1.000		134,291	
FRINGE	ALAE	09/30/2017	\$137,523		1.080	1.000	1.000		\$148,525	
		09/30/2018	160,151		1.080	1.000	1.000		172,963	
		09/30/2019	114,621		1.080	1.000	1.000		123,791	
		09/30/2020	109,927		1.080	1.000	1.000		118,721	
	TOTAL FULL COVERAGE	09/30/2017							\$9,313,471	
		09/30/2018							12,832,300	
		09/30/2019							11,933,857	
		09/30/2020							11,727,171	

* 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				SEVERITY TREND	FREQUENCY TREND	=	\$100,000
			BASIC LIMIT LOSSES AND ALAE*	B/L INDEMNITY DEVELOPMENT FACTOR X	UNALLOCATED LOSS ADJ FACTOR X					BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	09/30/2017	\$200,000	1.024	1.080	1.302	1.000		\$287,982	
		09/30/2018	264,383	1.162	1.080	1.246	1.000		413,410	
		09/30/2019	549,772	1.592	1.080	1.193	1.000		1,127,690	
		09/30/2020	162,353	2.662	1.080	1.141	1.000		532,571	
BI	ALAE	09/30/2017	\$108,510		1.080	1.302	1.000		\$152,582	
		09/30/2018	95,436		1.080	1.246	1.000		128,426	
		09/30/2019	531,418		1.080	1.193	1.000		684,700	
		09/30/2020	146,336		1.080	1.141	1.000		180,327	
PD	B/L INDEMNITY	09/30/2017	\$305,497	1.031	1.080	1.302	1.000		\$442,895	
		09/30/2018	370,849	1.044	1.080	1.246	1.000		521,002	
		09/30/2019	814,732	1.099	1.080	1.193	1.000		1,153,657	
		09/30/2020	471,159	1.226	1.080	1.141	1.000		711,815	
PD	ALAE	09/30/2017	\$54,902		1.080	1.302	1.000		\$77,201	
		09/30/2018	72,172		1.080	1.246	1.000		97,120	
		09/30/2019	168,096		1.080	1.193	1.000		216,582	
		09/30/2020	133,399		1.080	1.141	1.000		164,385	
MED PAY#	B/L INDEMNITY	09/30/2017	\$5,000		1.080	1.302	1.000		\$7,031	
		09/30/2018	6,780		1.080	1.246	1.000		9,124	
		09/30/2019	22,734		1.080	1.193	1.000		29,291	
		09/30/2020	0		1.080	1.141	1.000		0	
	TOTAL									
	DED COVERAGE	09/30/2017							\$967,690	
		09/30/2018							1,169,083	
		09/30/2019							3,211,920	
		09/30/2020							1,589,099	
	TOTAL	09/30/2017							\$10,281,161	
		09/30/2018							14,001,383	
		09/30/2019							15,145,778	
		09/30/2020							13,316,270	

* 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		EXPOSURE			TREND#		AVERAGE IPMF*	=	TRENDED \$100,000	
		BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	X	DEVELOPMENT FACTOR+	X	EXPOSURE TREND#	X	BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL			X	
MONOLINE	09/30/2017	\$3,413,616		1.000		1.028					\$3,509,197	
	09/30/2018	3,620,630		1.000		1.025					3,711,146	
	09/30/2019	3,090,185		1.000		1.019					3,148,899	
	09/30/2020	2,825,741		1.002		1.013					2,868,201	
MULTILINE	09/30/2017	\$8,536,060		1.000		1.025		0.968			\$8,469,479	
	09/30/2018	8,723,033		1.000		1.020		0.968			8,612,774	
	09/30/2019	8,571,369		1.000		1.016		0.966			8,412,422	
	09/30/2020	9,083,179		1.002		1.012		0.966			8,897,402	
TOTAL	09/30/2017										\$11,978,676	
	09/30/2018										12,323,920	
	09/30/2019										11,561,321	
	09/30/2020										11,765,603	

+ 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 04/01/2022 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*				SEVERITY TREND		FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
			B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X		X			
BI	B/L INDEMNITY	09/30/2017	\$4,570,329	0.986	1.080	1.302	0.970	\$6,146,542			
		09/30/2018	5,105,040	0.988	1.080	1.246	0.975	6,617,630			
		09/30/2019	5,639,003	0.962	1.080	1.193	0.980	6,849,639			
		09/30/2020	3,926,843	1.081	1.080	1.141	0.985	5,152,463			
BI	ALAE	09/30/2017	\$1,146,775		1.080	1.302	0.970	\$1,564,173			
		09/30/2018	1,288,547		1.080	1.246	0.975	1,690,623			
		09/30/2019	1,739,023		1.080	1.193	0.980	2,195,814			
		09/30/2020	1,082,296		1.080	1.141	0.985	1,313,686			
PD	B/L INDEMNITY	09/30/2017	\$1,525,980	1.062	1.080	1.379	0.970	\$2,341,171			
		09/30/2018	770,675	1.093	1.080	1.307	0.975	1,159,299			
		09/30/2019	940,930	1.124	1.080	1.239	0.980	1,386,899			
		09/30/2020	764,884	1.221	1.080	1.174	0.985	1,166,378			
PD	ALAE	09/30/2017	\$1,606,448		1.080	1.379	0.970	\$2,320,740			
		09/30/2018	229,144		1.080	1.307	0.975	315,364			
		09/30/2019	463,652		1.080	1.239	0.980	608,014			
		09/30/2020	406,149		1.080	1.174	0.985	507,240			
MED PAY#	B/L INDEMNITY	09/30/2017	\$767,297		1.080	1.302	0.970	\$1,046,574			
		09/30/2018	969,986		1.080	1.246	0.975	1,272,659			
		09/30/2019	830,707		1.080	1.193	0.980	1,048,910			
		09/30/2020	595,407		1.080	1.141	0.985	722,703			
FRINGE	B/L INDEMNITY	09/30/2017	\$58,381	1.034	1.080	1.000	0.970	\$63,239			
		09/30/2018	69,041	1.050	1.080	1.000	0.975	76,335			
		09/30/2019	116,732	1.272	1.080	1.000	0.980	157,155			
		09/30/2020	158,419	1.644	1.080	1.000	0.985	277,057			
FRINGE	ALAE	09/30/2017	\$386,925		1.080	1.000	0.970	\$405,343			
		09/30/2018	62,409		1.080	1.000	0.975	65,717			
		09/30/2019	140,107		1.080	1.000	0.980	148,289			
		09/30/2020	418,101		1.080	1.000	0.985	444,776			
TOTAL FULL COVERAGE		09/30/2017						\$13,887,781			
		09/30/2018						11,197,626			
		09/30/2019						12,394,719			
		09/30/2020						9,584,302			

* 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				\$100,000		=
			BASIC LIMIT LOSSES AND ALAE*	B/L INDEMNITY DEVELOPMENT FACTOR X	UNALLOCATED LOSS ADJ FACTOR X	SEVERITY TREND X	FREQUENCY TREND X	BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE	
BI	B/L INDEMNITY	09/30/2017	\$19,662	0.999	1.080	1.302	0.970	\$26,792	
		09/30/2018	285,705	1.048	1.080	1.246	0.975	392,849	
		09/30/2019	432,933	1.273	1.080	1.193	0.980	695,888	
		09/30/2020	214,883	1.811	1.080	1.141	0.985	472,352	
BI	ALAE	09/30/2017	\$50,381		1.080	1.302	0.970	\$68,718	
		09/30/2018	46,357		1.080	1.246	0.975	60,822	
		09/30/2019	156,901		1.080	1.193	0.980	198,114	
		09/30/2020	56,944		1.080	1.141	0.985	69,118	
PD	B/L INDEMNITY	09/30/2017	\$124,602	1.079	1.080	1.379	0.970	\$194,225	
		09/30/2018	112,515	1.163	1.080	1.307	0.975	180,092	
		09/30/2019	11,251	1.202	1.080	1.239	0.980	17,734	
		09/30/2020	154,661	1.369	1.080	1.174	0.985	264,431	
PD	ALAE	09/30/2017	\$49,950		1.080	1.379	0.970	\$72,160	
		09/30/2018	143,409		1.080	1.307	0.975	197,370	
		09/30/2019	5,769		1.080	1.239	0.980	7,565	
		09/30/2020	87,570		1.080	1.174	0.985	109,366	
MED PAY#	B/L INDEMNITY	09/30/2017	\$7,971		1.080	1.302	0.970	\$10,872	
		09/30/2018	7,127		1.080	1.246	0.975	9,351	
		09/30/2019	7,092		1.080	1.193	0.980	8,955	
		09/30/2020	21,144		1.080	1.141	0.985	25,664	
	TOTAL DED COVERAGE	09/30/2017					\$372,768		
		09/30/2018					840,483		
		09/30/2019					928,257		
		09/30/2020					940,933		
	TOTAL	09/30/2017					\$14,260,549		
		09/30/2018					12,038,110		
		09/30/2019					13,322,976		
		09/30/2020					10,525,235		

* 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) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.019	1.017	0.7215	1.018	22,000,000
27 to 39 Months	1.000	1.001	0.4547	1.000	70,000,000
Accident Year Ending	Exposure Development From				Factor@
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
6/30/2018			1.000		1.000
6/30/2019		1.000	1.000		1.000
6/30/2020	1.018	1.000	1.000		1.018

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

@ An adjustment of 0.970 has been subsequently applied to the exposure development factor for the latest year to reflect the reduced expected exposure for M&C due to the COVID-19 pandemic and economic recession in 2020. The resulting exposure development factor is displayed on page E-2 and is reflected in the calculation of the ALCCL for the latest year. The derivation of this adjustment is explained in Section H

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) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.002	1.002	0.5234	1.002	69,000,000
27 to 39 Months	1.000	1.000	0.3504	1.000	150,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
6/30/2018			1.000		1.000
6/30/2019		1.000	1.000		1.000
6/30/2020	1.002	1.000	1.000		1.002

(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	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2013	18,051,961	17,832,306	17,826,202	17,848,959	17,849,276	17,840,707	17,840,699	17,840,699
6/30/2014	18,655,766	18,990,843	19,048,381	19,042,956	19,037,664	19,037,983	19,037,983	
6/30/2015	19,198,069	19,777,362	19,786,399	19,780,055	19,778,803	19,778,585		
6/30/2016	19,080,191	19,783,468	19,671,744	19,674,628	19,674,161			
6/30/2017	19,206,923	19,268,038	19,403,864	19,404,547				
6/30/2018	19,050,434	19,307,742	19,305,244					
6/30/2019	18,750,560	18,884,284						
6/30/2020	18,598,722							

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>
6/30/2013	0.988	1.000	1.001	1.000	1.000	1.000	1.000
6/30/2014	1.018	1.003	1.000	1.000	1.000	1.000	
6/30/2015	1.030	1.000	1.000	1.000	1.000		
6/30/2016	1.037	0.994	1.000	1.000			
6/30/2017	1.003	1.007	1.000				
6/30/2018	1.014	1.000					
6/30/2019	1.007						
6/30/2020							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.017	1.001

MINNESOTA
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2013	21,431,053	21,308,242	21,313,554	21,300,100	21,299,826	21,299,751	21,299,750	21,299,750
6/30/2014	22,115,877	22,143,582	22,138,347	22,135,938	22,132,538	22,132,537	22,132,536	
6/30/2015	22,927,068	23,019,440	23,017,287	23,026,487	23,038,715	23,038,716		
6/30/2016	22,654,592	22,705,518	22,699,514	22,996,436	22,996,436			
6/30/2017	22,668,832	26,503,240	26,480,831	26,469,324				
6/30/2018	31,756,375	31,712,673	31,667,757					
6/30/2019	21,343,321	21,339,400						
6/30/2020	24,693,806							

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>
6/30/2013	0.994	1.000	0.999	1.000	1.000	1.000	1.000
6/30/2014	1.001	1.000	1.000	1.000	1.000	1.000	
6/30/2015	1.004	1.000	1.000	1.001	1.000		
6/30/2016	1.002	1.000	1.013	1.000			
6/30/2017	1.169	0.999	1.000				
6/30/2018	0.999	0.999					
6/30/2019	1.000						
6/30/2020							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.002	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>
6/30/2013	1,590,533,615	1,577,520,997	1,578,767,205	1,579,612,988	1,579,563,343	1,579,583,664	1,579,472,417	1,579,448,971
6/30/2014	1,643,691,847	1,692,607,333	1,695,065,797	1,695,363,278	1,695,541,202	1,695,312,946	1,695,305,940	
6/30/2015	1,731,751,417	1,774,576,471	1,774,763,237	1,774,951,635	1,774,454,775	1,774,452,830		
6/30/2016	1,732,712,034	1,771,145,340	1,767,102,924	1,767,692,472	1,767,893,617			
6/30/2017	1,780,321,021	1,814,992,902	1,816,618,761	1,816,535,561				
6/30/2018	1,842,172,938	1,870,836,872	1,868,841,059					
6/30/2019	1,919,199,210	1,947,280,265						
6/30/2020	1,983,596,484							

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>
6/30/2013	0.992	1.001	1.001	1.000	1.000	1.000	1.000
6/30/2014	1.030	1.001	1.000	1.000	1.000	1.000	
6/30/2015	1.025	1.000	1.000	1.000	1.000		
6/30/2016	1.022	0.998	1.000	1.000			
6/30/2017	1.019	1.001	1.000				
6/30/2018	1.016	0.999					
6/30/2019	1.015						

Average Best 3 of 5

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

MULTISTATE
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2013	1,896,171,915	1,891,442,718	1,892,040,222	1,894,104,438	1,894,482,121	1,894,335,024	1,894,338,702	1,894,335,850
6/30/2014	2,034,489,590	2,062,064,208	2,061,721,056	2,062,682,125	2,062,385,461	2,062,275,196	2,062,272,236	
6/30/2015	2,203,847,305	2,209,844,351	2,209,872,814	2,208,919,113	2,209,139,747	2,209,109,683		
6/30/2016	2,309,398,385	2,313,226,703	2,312,337,640	2,313,052,940	2,313,128,545			
6/30/2017	2,310,452,668	2,324,637,016	2,324,397,140	2,324,239,838				
6/30/2018	2,338,070,201	2,341,531,649	2,339,917,608					
6/30/2019	2,378,300,026	2,383,536,958						
6/30/2020	2,357,061,822							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2013	0.998	1.000	1.001	1.000	1.000	1.000	1.000
6/30/2014	1.014	1.000	1.000	1.000	1.000	1.000	
6/30/2015	1.003	1.000	1.000	1.000	1.000		
6/30/2016	1.002	1.000	1.000	1.000			
6/30/2017	1.006	1.000	1.000				
6/30/2018	1.001	0.999					
6/30/2019	1.002						

Average Best 3 of 5
27:15 39:27
 1.002 1.000

LOSS DEVELOPMENT DATA
TABLE OF CONTENTS

<u>Manufacturers and Contractors</u>		<u>Owners, Landlords and Tenants</u>	
Calculation of State Loss Development Factors	E-17-21	Calculation of State Loss Development Factors	E-22-26
State BI Indemnity	E-27-28	State BI Indemnity	E-35-36
State BI ALAE	E-29-30	State BI ALAE	E-37-38
State PD Indemnity	E-31-32	State PD Indemnity	E-39-40
State PD ALAE	E-33-34	State PD ALAE	E-41-42
Multistate BI Indemnity-Full	E-43-44	Multistate BI Indemnity-Full	E-59-60
Multistate BI Indemnity-Ded	E-45-46	Multistate BI Indemnity-Ded	E-61-62
Multistate BI ALAE	E-47-48	Multistate BI ALAE	E-63-64
Multistate PD Indemnity-Full	E-49-50	Multistate PD Indemnity-Full	E-65-66
Multistate PD Indemnity-Ded	E-51-52	Multistate PD Indemnity-Ded	E-67-68
Multistate PD ALAE	E-53-54	Multistate PD ALAE	E-69-70
Multistate Fringe Indemnity-Full	E-55-56	Multistate Fringe Indemnity-Full	E-71-72
Multistate Fringe ALAE	E-57-58	Multistate Fringe ALAE	E-73-74

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	0.0664	0.0289	0.6581	0.0417	1,500,000
27 to 39 Months	0.0988	0.0918	0.6083	0.0945	1,800,000
39 to 51 Months	0.0835	0.0795	0.6055	0.0811	2,100,000
51 to 63 Months	0.0464	0.0261	0.5921	0.0344	2,500,000
63 to 75 Months	0.0246	0.0086	0.5827	0.0152	2,900,000
75 to 87 Months	0.0099	0.0107	0.5070	0.0103	3,500,000
87 to 99 Months	0.0051	0.0066	0.4466	0.0057	4,000,000
99 to 111 Months	0.0034	0.0001	0.4222	0.0020	4,800,000
111 to 123 Months	0.0019	0.0000	0.3973	0.0011	5,700,000
123 to 135 Months	0.0015	0.0000	0.3490	0.0010	6,700,000
135 to 147 Months	0.0004	0.0000	0.3005	0.0003	7,900,000
147 to 159 Months	0.0014	0.0000	0.2518	0.0010	9,300,000
159 to 171 Months	0.0006	0.0000	0.2693	0.0004	11,100,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.289	0.247	0.153	0.072	0.037	0.022	0.012
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.006	0.004	0.003	0.002	0.001	0.000	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2018	385,813	3,627,707	0.153	555,038	940,851
9/30/2019	145,852	4,528,252	0.247	1,118,482	1,264,334
9/30/2020	66,839	5,669,093	0.289	1,638,368	1,705,207

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2018	18,440	503,242	0.153	76,996	95,436
9/30/2019	114,163	1,689,289	0.247	417,255	531,418
9/30/2020	5,655	486,785	0.289	140,681	146,336

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

MINNESOTA

Premises/Operations

Manufacturers & Contractors
Property Damage
Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.129	1.147	0.7041	1.142	2,400,000
27 to 39 Months	1.050	1.005	0.7328	1.017	2,500,000
39 to 51 Months	1.021	0.998	0.7068	1.005	2,600,000
51 to 63 Months	1.010	0.993	0.7002	0.998	2,800,000
63 to 75 Months	1.008	1.001	0.6621	1.003	3,000,000
75 to 87 Months	1.007	1.008	0.6457	1.008	3,100,000
87 to 99 Months	1.005	1.000	0.6096	1.002	3,300,000
99 to 111 Months	1.005	1.002	0.5737	1.003	3,500,000
111 to 123 Months	1.002	1.000	0.5400	1.001	3,700,000
123 to 135 Months	1.002	1.000	0.5457	1.001	4,000,000
135 to 147 Months	1.002	1.000	0.5477	1.001	4,100,000
147 to 159 Months	1.001	1.000	0.5392	1.000	4,400,000
159 to 171 Months	1.001	1.000	0.5263	1.000	4,700,000
171 to 183 Months	1.001	1.000	0.5205	1.000	4,900,000
183 to 195 Months	1.001	1.000	0.5260	1.000	5,200,000
195 to 207 Months	1.001	1.000	0.5459	1.000	5,500,000
207 to 219 Months	1.001	1.000	0.5520	1.000	5,900,000
219 to 231 Months	1.001	1.000	0.4567	1.001	6,300,000
231 to 243 Months	1.001	1.000	0.2718	1.001	6,600,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2018		1.005	0.998	1.003	1.008	1.002	1.003	1.001	1.001	1.001	
6/30/2019		1.017	1.005	0.998	1.003	1.008	1.002	1.003	1.001	1.001	1.001
6/30/2020	1.142	1.017	1.005	0.998	1.003	1.008	1.002	1.003	1.001	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>
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.028
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.046
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001	1.004		1.194

(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	0.0404	0.0373	0.7041	0.0382	2,400,000
27 to 39 Months	0.0439	0.0385	0.7328	0.0399	2,500,000
39 to 51 Months	0.0405	0.0445	0.7068	0.0433	2,600,000
51 to 63 Months	0.0375	0.0329	0.7002	0.0343	2,800,000
63 to 75 Months	0.0199	0.0132	0.6621	0.0155	3,000,000
75 to 87 Months	0.0121	0.0056	0.6457	0.0079	3,100,000
87 to 99 Months	0.0091	0.0002	0.6096	0.0037	3,300,000
99 to 111 Months	0.0096	0.0037	0.5737	0.0063	3,500,000
111 to 123 Months	0.0049	0.0004	0.5400	0.0025	3,700,000
123 to 135 Months	0.0059	0.0001	0.5457	0.0027	4,000,000
135 to 147 Months	0.0039	0.0000	0.5477	0.0018	4,100,000
147 to 159 Months	0.0039	0.0000	0.5392	0.0018	4,400,000
159 to 171 Months	0.0027	0.0000	0.5263	0.0013	4,700,000
171 to Ultimate					

A multistate ratio of 0.0000 has been used.

Months-to-Ultimate	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.199	0.161	0.121	0.078	0.043	0.028	0.020
Months-to-Ultimate	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.016	0.010	0.008	0.005	0.003	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2018	691,354	6,946,696	0.121	840,548	1,531,902
9/30/2019	399,622	5,740,062	0.161	924,152	1,323,774
9/30/2020	206,869	5,530,407	0.199	1,100,552	1,307,421

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2018	24,831	391,248	0.121	47,341	72,172
9/30/2019	18,679	928,050	0.161	149,417	168,096
9/30/2020	8,949	625,370	0.199	124,450	133,399

(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
Fringe
Full Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) <u>EVALUATION PERIOD</u>	(2) <u>MULTISTATE RATIO (A)</u>
15 to 27 Months	0.1178
27 to 39 Months	0.1187
39 to 51 Months	0.1366
51 to 63 Months	0.0557
63 to 75 Months	0.0230
75 to 87 Months	0.0483
87 to 99 Months	0.0024
99 to 111 Months	0.0119
111 to 123 Months	0.0017
123 to 135 Months	-0.0004
135 to 147 Months	0.0005
147 to 159 Months	0.0010
159 to 171 Months	0.0001
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>
	0.517	0.399	0.281	0.144	0.088	0.065	0.017
<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>
	0.015	0.003	0.001	0.002	0.001	0.000	0.000

<u>A.Y.E.</u>	<u>Reported ALAE as of 12/31/20</u>	<u>\$500,000 Ultimate Indemnity</u>	<u>ALAE Factor</u>	<u>Additional ALAE</u>	<u>Ultimate ALAE</u>
9/30/2018	113,915	164,539	0.281	46,236	160,151
9/30/2019	24,331	226,287	0.399	90,290	114,621
9/30/2020	22,230	169,625	0.517	87,697	109,927

(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) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.424	1.084	0.8867	1.123	1,700,000
27 to 39 Months	1.198	0.938	0.8622	0.974	2,100,000
39 to 51 Months	1.065	0.986	0.8014	1.002	2,700,000
51 to 63 Months	1.004	0.994	0.7711	0.996	3,300,000
63 to 75 Months	0.995	0.999	0.7416	0.998	4,200,000
75 to 87 Months	0.994	1.007	0.6973	1.003	5,300,000
87 to 99 Months	0.996	0.987	0.6291	0.990	6,600,000
99 to 111 Months	0.999	0.997	0.5593	0.998	8,300,000
111 to 123 Months	0.999	1.000	0.5259	1.000	10,500,000
123 to 135 Months	1.000	1.000	0.4725	1.000	13,200,000
135 to 147 Months	1.000	1.000	0.4067	1.000	16,600,000
147 to 159 Months	1.000	1.000	0.3156	1.000	20,900,000
159 to 171 Months	1.001	1.000	0.2449	1.001	26,300,000
171 to 183 Months	1.000	1.000	0.2083	1.000	33,100,000
183 to 195 Months	1.000	1.000	0.1633	1.000	41,800,000
195 to 207 Months	1.000	1.000	0.1406	1.000	52,700,000
207 to 219 Months	1.000	1.000	0.1179	1.000	66,500,000
219 to 231 Months	1.000	1.000	0.0747	1.000	84,000,000
231 to 243 Months	1.000	1.000	0.0352	1.000	106,200,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2018			1.002	0.996	0.998	1.003	0.990	0.998	1.000	1.000	1.000
6/30/2019		0.974	1.002	0.996	0.998	1.003	0.990	0.998	1.000	1.000	1.000
6/30/2020	1.123	0.974	1.002	0.996	0.998	1.003	0.990	0.998	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
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.988
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.962
6/30/2020	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.081

(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	0.0636	0.0338	0.8867	0.0371	1,700,000
27 to 39 Months	0.0806	0.0425	0.8622	0.0477	2,100,000
39 to 51 Months	0.0584	0.0089	0.8014	0.0187	2,700,000
51 to 63 Months	0.0293	0.0231	0.7711	0.0245	3,300,000
63 to 75 Months	0.0125	0.0032	0.7416	0.0056	4,200,000
75 to 87 Months	0.0060	0.0136	0.6973	0.0113	5,300,000
87 to 99 Months	0.0027	0.0001	0.6291	0.0010	6,600,000
99 to 111 Months	0.0018	0.0001	0.5593	0.0009	8,300,000
111 to 123 Months	0.0013	0.0000	0.5259	0.0006	10,500,000
123 to 135 Months	0.0013	0.0000	0.4725	0.0007	13,200,000
135 to 147 Months	0.0004	0.0000	0.4067	0.0002	16,600,000
147 to 159 Months	0.0008	0.0000	0.3156	0.0005	20,900,000
159 to 171 Months	0.0008	0.0000	0.2449	0.0006	26,300,000
171 to Ultimate					

A multistate ratio of 0.0000 has been used.

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.150	0.112	0.065	0.046	0.021	0.016	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>
	0.003	0.003	0.002	0.001	0.001	0.001	0.000

Full Coverage

<u>A.Y.E.</u>	Reported ALAE as of 12/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2018	869,179	6,451,808	0.065	419,368	1,288,547
9/30/2019	715,607	9,137,627	0.112	1,023,416	1,739,023
9/30/2020	142,314	6,266,535	0.150	939,982	1,082,296

Deductible Coverage

<u>A.Y.E.</u>	Reported ALAE as of 12/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2018	24,122	342,083	0.065	22,235	46,357
9/30/2019	87,530	619,391	0.112	69,371	156,901
9/30/2020	7,556	329,250	0.150	49,388	56,944

- (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 Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (Ki)
15 to 27 Months	1.153	1.060	0.7153	1.086	900,000
27 to 39 Months	1.070	1.012	0.6988	1.029	1,000,000
39 to 51 Months	1.043	1.022	0.6505	1.029	1,200,000
51 to 63 Months	1.016	1.007	0.5865	1.011	1,400,000
63 to 75 Months	1.005	0.991	0.5596	0.997	1,600,000
75 to 87 Months	1.008	1.067	0.5189	1.039	1,800,000
87 to 99 Months	1.001	1.000	0.4602	1.001	2,100,000
99 to 111 Months	1.003	1.000	0.3967	1.002	2,400,000
111 to 123 Months	1.004	1.000	0.3486	1.003	2,700,000
123 to 135 Months	1.002	1.000	0.2803	1.001	3,100,000
135 to 147 Months	1.000	0.969	0.2265	0.993	3,600,000
147 to 159 Months	1.000	1.000	0.1651	1.000	4,100,000
159 to 171 Months	1.001	1.000	0.1624	1.001	4,700,000
171 to 183 Months	1.002	1.000	0.1675	1.002	5,400,000
183 to 195 Months	1.002	1.000	0.2015	1.002	6,100,000
195 to 207 Months	1.003	1.000	0.2083	1.002	7,000,000
207 to 219 Months	1.001	1.000	0.1937	1.001	8,100,000
219 to 231 Months	1.001	1.000	0.1222	1.001	9,300,000
231 to 243 Months	1.001	1.000	0.0617	1.001	10,600,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2018			1.029	1.011	0.997	1.039	1.001	1.002	1.003	1.001	0.993
6/30/2019		1.029	1.029	1.011	0.997	1.039	1.001	1.002	1.003	1.001	0.993
6/30/2020	1.086	1.029	1.029	1.011	0.997	1.039	1.001	1.002	1.003	1.001	0.993
	<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>
6/30/2018	1.000	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.004		1.093
6/30/2019	1.000	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.004		1.124
6/30/2020	1.000	1.001	1.002	1.002	1.002	1.001	1.001	1.001	1.004		1.221

(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	0.0768	0.0631	0.7153	0.0670	900,000
27 to 39 Months	0.0853	0.0825	0.6988	0.0833	1,000,000
39 to 51 Months	0.0694	0.1039	0.6505	0.0918	1,200,000
51 to 63 Months	0.0400	0.0099	0.5865	0.0223	1,400,000
63 to 75 Months	0.0308	0.0031	0.5596	0.0153	1,600,000
75 to 87 Months	0.0151	0.0069	0.5189	0.0108	1,800,000
87 to 99 Months	0.0196	0.0000	0.4602	0.0106	2,100,000
99 to 111 Months	0.0171	0.0000	0.3967	0.0103	2,400,000
111 to 123 Months	0.0108	0.0000	0.3486	0.0070	2,700,000
123 to 135 Months	0.0119	0.0000	0.2803	0.0086	3,100,000
135 to 147 Months	0.0031	0.0000	0.2265	0.0024	3,600,000
147 to 159 Months	0.0021	0.0000	0.1651	0.0018	4,100,000
159 to 171 Months	0.0019	0.0000	0.1624	0.0016	4,700,000
171 to Ultimate					

A multistate ratio of 0.0000 has been used.

Months-to-Ultimate	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.333	0.266	0.183	0.091	0.068	0.053	0.042
Months-to-Ultimate	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.032	0.021	0.014	0.006	0.003	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 12/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2018	64,869	897,682	0.183	164,275	229,144
9/30/2019	48,469	1,560,847	0.266	415,183	463,652
9/30/2020	36,315	1,110,607	0.333	369,834	406,149

Deductible Coverage

A.Y.E.	Reported ALAE as of 12/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2018	37,614	578,118	0.183	105,795	143,409
9/30/2019	2,285	13,097	0.266	3,484	5,769
9/30/2020	701	260,868	0.333	86,869	87,570

(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
Fringe
Full Coverage
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)
15 to 27 Months	0.2089
27 to 39 Months	0.2019
39 to 51 Months	0.1545
51 to 63 Months	0.1050
63 to 75 Months	0.1240
75 to 87 Months	0.0918
87 to 99 Months	0.0300
99 to 111 Months	0.0102
111 to 123 Months	0.0122
123 to 135 Months	0.0052
135 to 147 Months	0.0062
147 to 159 Months	0.0062
159 to 171 Months	0.0026
171 to Ultimate	A multistate ratio of 0.0000 has been used.

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.959	0.750	0.548	0.393	0.288	0.164	0.073
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.043	0.032	0.020	0.015	0.009	0.003	0.000

A.Y.E.	Reported ALAE as of 12/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
9/30/2018	15,115	86,302	0.548	47,294	62,409
9/30/2019	1,428	184,903	0.750	138,679	140,107
9/30/2020	80,981	351,532	0.959	337,120	418,101

(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
6/30/2001	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	609,058	779,394	987,738	1,577,563	1,550,522	1,490,399	1,508,327	1,417,276	1,409,776	1,409,776	1,409,776
6/30/2003	791,065	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	992,512	1,354,617	1,484,936	1,830,330	1,765,130	1,790,180	1,675,680	1,672,680	1,662,680	1,662,680	1,662,680
6/30/2005	1,204,291	1,415,969	1,920,267	2,025,925	1,802,818	1,749,292	1,643,261	1,643,263	1,643,261	1,643,261	1,643,261
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	900,386	1,402,538	1,445,400	1,541,450	1,551,450	1,620,550	1,547,950	1,539,450	1,539,450	1,539,450	1,539,450
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	1,344,988
6/30/2011	719,042	695,860	772,325	902,226	835,509	863,509	858,509	873,509	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	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	1,080,188			
6/30/2014	1,370,730	1,483,824	1,428,749	1,229,712	1,334,830	1,284,830	1,224,830				
6/30/2015	939,091	1,357,760	1,579,153	1,786,281	1,634,118	1,598,265					
6/30/2016	648,792	534,141	562,232	612,751	649,654						
6/30/2017	791,426	594,085	1,081,585	1,179,980							
6/30/2018	1,331,553	1,667,144	1,843,407								
6/30/2019	764,133	597,101									
6/30/2020	1,083,379										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
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	1,508,547		
6/30/2002	1,409,776	1,409,776	1,409,776	1,409,776	1,409,776	1,409,776	1,409,776	1,409,776	1,409,776		
6/30/2003	1,229,870	1,229,870	1,229,870	1,229,870	1,229,870	1,229,870	1,229,870	1,229,870	1,229,870		
6/30/2004	1,662,680	1,662,680	1,662,680	1,662,680	1,662,680	1,662,680					
6/30/2005	1,643,261	1,643,261	1,643,261	1,643,261	1,643,261						
6/30/2006	1,284,972	1,299,972	1,293,672	1,293,672							
6/30/2007	1,146,773	1,146,773	1,146,773								
6/30/2008	697,564	697,564									
6/30/2009	1,539,450										

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

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2001	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	1.280	1.267	1.597	0.983	0.961	1.012	0.940	0.995	1.000	1.000	1.000
6/30/2003	1.426	1.303	1.085	0.927	0.879	0.999	1.000	1.000	1.000	0.913	1.038
6/30/2004	1.365	1.096	1.233	0.964	1.014	0.936	0.998	0.994	1.000	1.000	1.000
6/30/2005	1.176	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	0.978	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	1.558	1.031	1.066	1.006	1.045	0.955	0.995	1.000	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	1.000	1.000
6/30/2011	0.968	1.110	1.168	0.926	1.034	0.994	1.017	1.000	1.000		
6/30/2012	1.220	1.337	0.883	1.029	0.944	1.030	1.000	1.000			
6/30/2013	2.136	0.888	0.867	1.129	0.983	1.017	1.000				
6/30/2014	1.083	0.963	0.861	1.085	0.963	0.953					
6/30/2015	1.446	1.163	1.131	0.915	0.978						
6/30/2016	0.823	1.053	1.090	1.060							
6/30/2017	0.751	1.821	1.091								
6/30/2018	1.252	1.106									
6/30/2019	0.781										
3 Yr Mean	0.928	1.327	1.104	1.020	0.975	1.000	1.006	1.000	1.000	1.000	0.995
Best 3/5	0.952	1.107	1.016	1.058	0.975	1.014	1.006	1.000	1.000	1.000	1.000

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
6/30/2001	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	1.000	1.000	1.000	1.000	1.000	*		
6/30/2006	1.012	0.995	1.000								
6/30/2007	1.000	1.000									
6/30/2008	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 *			

A.Y.E.	Development From										
	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2016					0.975	1.014	1.006	1.000	1.000	1.000	1.000
6/30/2017				1.058	0.975	1.014	1.006	1.000	1.000	1.000	1.000
6/30/2018			1.016	1.058	0.975	1.014	1.006	1.000	1.000	1.000	1.000
6/30/2019		1.107	1.016	1.058	0.975	1.014	1.006	1.000	1.000	1.000	1.000
6/30/2020	0.952	1.107	1.016	1.058	0.975	1.014	1.006	1.000	1.000	1.000	1.000

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.995
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.052
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.069
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.183
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.127

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

PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 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>
6/30/2001	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	167,920	594,225	538,448	549,390	619,039	640,782	647,475	651,542	651,580	651,618
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	38,144	185,956	610,750	1,133,642	1,323,763	1,400,991	1,411,908	1,435,768	1,442,292	1,442,292	1,442,292
6/30/2010	67,810	269,840	722,027	564,786	672,107	720,329	774,659	805,386	806,294	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	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	1,225,431		
6/30/2013	36,130	253,332	511,998	572,757	645,966	665,672	672,718	683,070			
6/30/2014	377,165	471,158	657,003	1,161,303	1,245,263	1,256,163	1,262,634				
6/30/2015	90,901	204,836	548,288	753,376	819,689	920,351					
6/30/2016	28,406	163,950	333,665	467,889	494,152						
6/30/2017	76,180	129,789	233,591	435,663							
6/30/2018	165,508	256,255	579,178								
6/30/2019	11,975	54,034									
6/30/2020	58,633										

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>
6/30/2001	876,154	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	769,614	
6/30/2003	960,834	961,378	961,378	961,378	961,378	961,378	961,378		
6/30/2004	651,618	651,618	651,618	651,618	651,618	651,618			
6/30/2005	1,016,200	1,016,200	1,016,200	1,016,200	1,016,200				
6/30/2006	935,308	935,308	935,308	935,308					
6/30/2007	850,390	850,390	850,390						
6/30/2008	695,683	695,683							
6/30/2009	1,442,292								

PREMISES/OPERATIONS (Subline Code 334)
 MANUFACTURERS AND CONTRACTORS
 FULL COVERAGE
 MINNESOTA
 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
6/30/2001	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	56,503	426,305	-55,777	10,942	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	0	0
6/30/2009	147,812	424,794	522,892	190,121	77,228	10,917	23,860	6,524	0	0	0	0	0
6/30/2010	202,030	452,187	-157,241	107,321	48,222	54,330	30,727	908	0	0	0	0	0
6/30/2011	81,953	215,267	130,664	27,553	19,752	8,012	12,319	0	0	0	0	0	0
6/30/2012	145,347	420,355	491,682	57,848	-109,202	91,462	-11,165	0	0	0	0	0	0
6/30/2013	217,202	258,666	60,759	73,209	19,706	7,046	10,352	0	0	0	0	0	0
6/30/2014	93,993	185,845	504,300	83,960	10,900	6,471	0	0	0	0	0	0	0
6/30/2015	113,935	343,452	205,088	66,313	100,662	0	0	0	0	0	0	0	0
6/30/2016	135,544	169,715	134,224	26,263	0	0	0	0	0	0	0	0	0
6/30/2017	53,609	103,802	202,072	0	0	0	0	0	0	0	0	0	0
6/30/2018	90,747	322,923	0	0	0	0	0	0	0	0	0	0	0
6/30/2019	42,059	0	0	0	0	0	0	0	0	0	0	0	0

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
6/30/2001	0.0723	0.0660	0.1854	-0.0512	0.0184	0.0028	0.0075	0.0131	0.0002	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0173	0.0972	0.1757	0.0521	0.0143	0.0107	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0820	0.0600	0.0777	0.0270	0.0853	0.0097	0.0104	0.0064	0.0041	0.0106	0.0186	0.0002	0.0000
6/30/2004	0.0267	0.2015	-0.0264	0.0052	0.0329	0.0103	0.0032	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0496	0.0756	0.0575	0.0975	0.0007	0.0009	0.0038	0.0025	0.0020	0.0028	0.0002	0.0000	0.0000
6/30/2006	0.0596	0.1078	0.0994	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	0.0716	0.1191	0.0781	0.0985	-0.0021	0.0038	-0.0058	-0.0007	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.2426	0.2483	0.1811	0.1780	-0.0094	0.0260	0.0016	-0.0244	0.0248	0.0000	-0.0246	0.0000	0.0000
6/30/2009	0.0518	0.1488	0.1831	0.0666	0.0270	0.0038	0.0084	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0916	0.2049	-0.0713	0.0486	0.0219	0.0246	0.0139	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.0412	0.1082	0.0657	0.0138	0.0099	0.0040	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.0544	0.1573	0.1840	0.0217	-0.0409	0.0342	-0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.1095	0.1304	0.0306	0.0369	0.0099	0.0036	0.0052	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.0502	0.0992	0.2693	0.0448	0.0058	0.0035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.0298	0.0898	0.0536	0.0173	0.0263	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	0.1019	0.1276	0.1010	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.0222	0.0430	0.0838	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.0243	0.0863	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2019	0.0328	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0289	0.0918	0.0795	0.0261	0.0086	0.0107	0.0066	0.0001	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
6/30/2001	1,848,555	1,867,826	1,967,210	2,144,077	2,343,842	2,470,495	2,402,287	2,395,980	2,395,060	2,428,877	2,473,782
6/30/2002	2,150,398	2,862,775	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	2,291,552	1,954,746	1,994,820	1,995,716	1,980,340	1,983,797	2,056,942	2,075,020	2,007,404	1,998,162	1,991,162
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	1,547,762
6/30/2011	1,493,218	1,595,405	1,443,367	1,407,744	1,431,864	1,473,888	1,425,614	1,453,114	1,458,114	1,458,114	
6/30/2012	1,514,923	1,425,836	1,717,098	1,758,511	1,742,143	1,723,018	1,720,178	1,720,178	1,720,178		
6/30/2013	1,549,975	1,825,531	1,662,512	1,898,693	1,872,693	1,882,213	2,007,313	1,957,213			
6/30/2014	2,161,751	2,245,866	2,174,821	2,113,730	2,068,495	2,043,595	2,092,782				
6/30/2015	1,857,724	1,868,941	1,854,889	1,933,558	1,938,317						
6/30/2016	2,053,544	2,520,439	2,546,068	2,492,021	2,526,587						
6/30/2017	1,639,943	1,813,508	1,866,564	1,780,106							
6/30/2018	2,104,268	2,521,476	2,555,678								
6/30/2019	1,967,591	2,234,447									
6/30/2020	2,577,384										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	2,463,782	2,463,782	2,463,782	2,463,782	2,463,782	2,463,782	2,463,782	2,463,782	2,463,782		
6/30/2002	2,837,344	2,831,045	2,831,045	2,831,045	2,831,045	2,831,045	2,831,045	2,831,045	2,831,397		
6/30/2003	1,974,843	1,974,843	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	1,804,925					
6/30/2005	1,992,162	1,991,162	1,991,162	1,991,162	1,991,162						
6/30/2006	1,523,049	1,523,049	1,523,049	1,523,049							
6/30/2007	1,706,880	1,706,880	1,706,880								
6/30/2008	1,919,227	1,919,227									
6/30/2009	1,338,082										

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

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
6/30/2001	1.010	1.053	1.090	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	1.021	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	1.000
6/30/2010	1.146	0.896	0.997	1.003	1.002	1.001	1.000	1.006	1.000	1.000	
6/30/2011	1.068	0.905	0.975	1.017	1.029	0.967	1.019	1.003	1.000		
6/30/2012	0.941	1.204	1.024	0.991	0.989	0.998	1.000	1.000			
6/30/2013	1.178	0.911	1.142	0.986	1.005	1.066	0.975				
6/30/2014	1.039	0.968	0.972	0.979	0.988	1.024					
6/30/2015	1.006	0.992	1.042	1.002	1.008						
6/30/2016	1.227	1.010	0.979	1.014							
6/30/2017	1.106	1.029	0.954								
6/30/2018	1.198	1.014									
6/30/2019	1.136										
3 Yr Mean	1.147	1.018	0.992	0.998	1.000	1.029	0.998	1.003	1.000	1.000	1.000
Best 3/5	1.147	1.005	0.998	0.993	1.001	1.008	1.000	1.002	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	1.000		
6/30/2002	0.998	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	1.000	*	
6/30/2004	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	*	
6/30/2005	0.999	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *		
6/30/2006	1.000	1.000	1.000								
6/30/2007	1.000	1.000									
6/30/2008	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2016					1.001	1.008	1.000	1.002	1.000	1.000	1.000
6/30/2017				0.993	1.001	1.008	1.000	1.002	1.000	1.000	1.000
6/30/2018			0.998	0.993	1.001	1.008	1.000	1.002	1.000	1.000	1.000
6/30/2019		1.005	0.998	0.993	1.001	1.008	1.000	1.002	1.000	1.000	1.000
6/30/2020	1.147	1.005	0.998	0.993	1.001	1.008	1.000	1.002	1.000	1.000	1.000

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.011
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.004
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.002
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.007
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.155

* 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

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>
6/30/2001	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	286,577	395,999	676,968	1,118,927	1,306,209	1,380,401	1,404,837	1,398,604	1,421,405	1,422,708
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	380,700
6/30/2011	73,009	151,477	295,743	299,505	372,377	460,883	498,192	570,111	588,656	589,691	
6/30/2012	124,261	272,426	559,047	676,541	708,580	731,043	749,948	750,471	750,471		
6/30/2013	64,704	269,532	321,659	485,982	665,930	726,779	746,136	747,338			
6/30/2014	214,522	368,906	663,336	800,873	852,573	882,713	892,613				
6/30/2015	90,877	193,185	391,214	859,919	1,251,200	1,280,354					
6/30/2016	170,783	185,418	191,799	340,132	437,454						
6/30/2017	84,291	168,966	216,891	236,031							
6/30/2018	75,519	193,966	253,750								
6/30/2019	71,770	197,550									
6/30/2020	171,516										

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>
6/30/2001	937,709	937,709	937,709	937,709	937,709	937,709	937,709	937,709	937,709
6/30/2002	1,425,958	1,425,958	1,425,958	1,425,958	1,425,958	1,425,958	1,425,958	1,425,958	
6/30/2003	734,560	734,560	734,560	734,560	734,560	734,560	734,560		
6/30/2004	653,652	664,762	664,762	664,762	664,762	664,762			
6/30/2005	392,457	392,457	392,457	392,457	392,457				
6/30/2006	859,774	859,774	859,774	859,774					
6/30/2007	86,285	86,285	86,285						
6/30/2008	905,428	905,428							
6/30/2009	225,771								

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

A.Y.E.	Increments												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2001	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	205,971	109,422	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	0
6/30/2008	40,336	137,175	47,880	147,219	264,895	2,592	0	166,738	37,383	0	0	0	0
6/30/2009	57,658	84,153	27,751	7,155	3,036	1,747	0	2	0	0	0	0	0
6/30/2010	123,938	120,483	11,596	705	4,271	4,166	0	0	0	0	0	0	0
6/30/2011	78,468	144,266	3,762	72,872	88,506	37,309	71,919	18,545	1,035	0	0	0	0
6/30/2012	148,165	286,621	117,494	32,039	22,463	18,905	523	0	0	0	0	0	0
6/30/2013	204,828	52,127	164,323	179,948	60,849	19,357	1,202	0	0	0	0	0	0
6/30/2014	154,384	294,430	137,537	51,700	30,140	9,900	0	0	0	0	0	0	0
6/30/2015	102,308	198,029	468,705	391,281	29,154	0	0	0	0	0	0	0	0
6/30/2016	14,635	6,381	148,333	97,322	0	0	0	0	0	0	0	0	0
6/30/2017	84,675	47,925	19,140	0	0	0	0	0	0	0	0	0	0
6/30/2018	118,447	59,784	0	0	0	0	0	0	0	0	0	0	0
6/30/2019	125,780	0	0	0	0	0	0	0	0	0	0	0	0

A.Y.E.	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
6/30/2001	0.0433	-0.0546	0.0506	0.0380	0.0280	0.0639	0.0187	0.0146	0.0058	0.0138	0.0056	0.0000	0.0000
6/30/2002	0.0510	0.0271	0.0695	0.1093	0.0463	0.0184	0.0060	-0.0015	0.0056	0.0003	0.0008	0.0000	0.0000
6/30/2003	0.0680	0.1183	0.0509	0.0149	0.0269	-0.0357	-0.0034	0.0105	-0.0100	0.0030	0.0102	0.0000	0.0000
6/30/2004	0.0941	0.0555	0.0352	0.0161	-0.0009	0.0055	0.0050	0.0044	0.0011	0.0000	0.0000	0.0046	0.0000
6/30/2005	-0.0074	0.0057	0.0127	0.0061	0.0027	0.0093	0.0107	0.0269	0.0082	-0.0022	0.0000	0.0000	0.0000
6/30/2006	0.0611	0.2380	0.0331	0.0241	-0.0008	0.0101	0.0004	0.0000	0.0000	0.0065	0.0000	0.0000	0.0000
6/30/2007	-0.0052	0.0119	-0.0062	0.0090	0.0061	0.0011	0.0030	0.0000	0.0007	0.0003	0.0000	0.0000	0.0000
6/30/2008	0.0155	0.0529	0.0185	0.0567	0.1021	0.0010	0.0000	0.0643	0.0144	0.0000	0.0000	0.0000	0.0000
6/30/2009	0.0303	0.0442	0.0146	0.0038	0.0016	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0508	0.0493	0.0047	0.0003	0.0017	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.0475	0.0874	0.0023	0.0441	0.0536	0.0226	0.0436	0.0112	0.0006	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.0632	0.1222	0.0501	0.0137	0.0096	0.0081	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.0633	0.0161	0.0508	0.0557	0.0188	0.0060	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.0445	0.0848	0.0396	0.0149	0.0087	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.0395	0.0764	0.1809	0.1510	0.0113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	0.0043	0.0019	0.0431	0.0283	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.0390	0.0221	0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.0335	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2019	0.0433	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0373	0.0385	0.0445	0.0329	0.0132	0.0056	0.0002	0.0037	0.0004	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
6/30/2001	4,228,008	4,124,108	4,412,808	3,940,367	3,969,937	3,939,226	3,920,554	3,901,210	3,877,210	3,877,209	3,877,209
6/30/2002	2,928,840	2,619,814	2,636,109	2,883,156	2,841,947	2,845,527	2,795,372	2,780,073	2,795,073	2,795,073	2,815,073
6/30/2003	2,936,027	2,263,815	2,631,325	2,277,367	2,269,615	2,271,866	2,262,016	2,161,516	2,160,193	2,160,193	2,160,193
6/30/2004	3,258,214	3,579,297	3,985,645	3,868,593	3,853,685	3,722,773	3,605,773	3,605,773	3,605,773	3,609,312	3,609,312
6/30/2005	3,385,737	3,210,016	3,182,788	2,686,303	2,653,411	2,542,461	2,503,193	2,477,630	2,386,462	2,386,461	2,386,461
6/30/2006	3,745,109	3,253,257	2,945,138	3,262,449	3,244,487	3,145,087	3,032,480	2,805,569	2,806,569	2,810,570	2,810,569
6/30/2007	4,103,167	3,812,844	3,548,443	3,641,675	3,369,394	3,282,546	3,450,046	3,380,046	3,393,396	3,333,396	3,333,396
6/30/2008	4,165,886	4,143,688	3,991,546	3,926,310	3,858,515	3,538,384	3,440,115	3,524,164	3,493,798	3,493,798	3,493,798
6/30/2009	5,471,952	5,750,778	5,442,877	4,586,404	4,547,320	4,554,980	4,659,014	4,596,738	4,552,962	4,552,962	4,552,962
6/30/2010	4,624,187	4,236,084	4,287,796	4,172,831	3,914,252	3,752,181	3,801,181	3,776,740	3,778,551	3,778,551	3,778,551
6/30/2011	5,434,073	4,556,921	4,143,103	3,778,414	3,525,814	3,542,544	3,345,544	3,316,197	3,316,197	3,316,197	
6/30/2012	4,127,979	3,485,632	3,692,554	3,535,336	3,609,285	3,568,181	3,541,681	3,441,681	3,441,681		
6/30/2013	4,371,851	4,522,488	4,250,259	4,288,177	4,200,463	4,208,784	4,308,776	4,235,495			
6/30/2014	5,117,543	4,875,406	4,502,498	4,553,231	4,483,292	4,429,820	4,490,155				
6/30/2015	3,461,803	3,791,262	3,313,058	3,554,446	3,372,938	3,434,438					
6/30/2016	3,300,244	3,217,878	3,204,623	3,009,085	3,059,209						
6/30/2017	3,895,014	4,690,333	4,374,439	4,050,589							
6/30/2018	4,835,961	5,227,453	5,001,630								
6/30/2019	4,569,182	4,918,250									
6/30/2020	2,953,929										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	3,877,209	3,877,209	3,877,209	3,877,209	3,877,209	3,877,209	3,877,209	3,877,209	3,877,209		
6/30/2002	2,835,073	2,855,073	2,855,073	2,855,073	2,855,073	2,855,073	2,905,073	2,861,502			
6/30/2003	2,160,193	2,160,193	2,160,193	2,160,193	2,160,193	2,160,193	2,160,193				
6/30/2004	3,609,312	3,609,312	3,609,312	3,609,312	3,609,312	3,609,312					
6/30/2005	2,386,461	2,386,461	2,386,461	2,386,461	2,386,461						
6/30/2006	2,810,569	2,810,569	2,710,569	2,710,569							
6/30/2007	3,333,396	3,333,396	3,333,396								
6/30/2008	3,493,798	3,493,798									
6/30/2009	4,552,962										

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

<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>
6/30/2001	0.975	1.070	0.893	1.008	0.992	0.995	0.995	0.994	1.000	1.000	1.000
6/30/2002	0.894	1.006	1.094	0.986	1.001	0.982	0.995	1.005	1.000	1.007	1.007
6/30/2003	0.771	1.162	0.865	0.997	1.001	0.996	0.956	0.999	1.000	1.000	1.000
6/30/2004	1.099	1.114	0.971	0.996	0.966	0.969	1.000	1.000	1.001	1.000	1.000
6/30/2005	0.948	0.992	0.844	0.988	0.958	0.985	0.990	0.963	1.000	1.000	1.000
6/30/2006	0.869	0.905	1.108	0.994	0.969	0.964	0.925	1.000	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	0.995	0.963	0.984	0.983	0.917	0.972	1.024	0.991	1.000	1.000	1.000
6/30/2009	1.051	0.946	0.843	0.991	1.002	1.023	0.987	0.990	1.000	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	1.000	1.000
6/30/2011	0.839	0.909	0.912	0.933	1.005	0.944	0.991	1.000	1.000		
6/30/2012	0.844	1.059	0.957	1.021	0.989	0.993	0.972	1.000			
6/30/2013	1.034	0.940	1.009	0.980	1.002	1.024	0.983				
6/30/2014	0.953	0.924	1.011	0.985	0.988	1.014					
6/30/2015	1.095	0.874	1.073	0.949	1.018						
6/30/2016	0.975	0.996	0.939	1.017							
6/30/2017	1.204	0.933	0.926								
6/30/2018	1.081	0.957									
6/30/2019	1.076										
3 Yr Mean	1.120	0.962	0.979	0.984	1.003	1.010	0.982	1.000	1.000	1.000	1.000
Best 3/5	1.084	0.938	0.986	0.994	0.999	1.007	0.987	0.997	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>
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	1.018	0.985	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	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2006	1.000	0.964	1.000					
6/30/2007	1.000	1.000						
6/30/2008	1.000							
3 Yr Mean	1.000	0.988	1.000	1.000	1.000 @	1.006 @	0.993 @	1.000 @
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

Development From

<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
6/30/2016					0.999	1.007	0.987	0.997	1.000	1.000	1.000
6/30/2017				0.994	0.999	1.007	0.987	0.997	1.000	1.000	1.000
6/30/2018			0.986	0.994	0.999	1.007	0.987	0.997	1.000	1.000	1.000
6/30/2019		0.938	0.986	0.994	0.999	1.007	0.987	0.997	1.000	1.000	1.000
6/30/2020	1.084	0.938	0.986	0.994	0.999	1.007	0.987	0.997	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.990
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.984
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.970
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.910
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.987

* 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>
6/30/2001	951,358	808,218	871,208	1,056,080	1,058,206	1,095,652	1,154,023	1,202,293	1,198,357	1,194,031	1,194,031
6/30/2002	450,116	571,098	876,828	1,050,822	1,128,577	1,132,120	1,148,373	1,137,631	1,137,631	1,137,359	1,138,359
6/30/2003	413,643	513,683	706,306	618,702	630,681	692,027	752,976	737,983	738,363	738,363	738,363
6/30/2004	476,650	789,408	776,163	1,009,704	1,019,174	1,026,677	1,026,150	1,026,517	1,026,518	1,029,420	1,029,420
6/30/2005	369,028	559,080	739,412	825,370	865,034	841,283	831,966	897,026	896,665	895,059	895,059
6/30/2006	164,919	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	549,478	1,114,496	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	182,162	366,859	531,362	749,387	967,289	1,137,898	1,152,545	1,175,852	1,158,353	1,158,353	1,158,353
6/30/2009	302,361	469,508	936,978	1,077,672	1,205,883	1,262,288	1,320,074	1,331,973	1,335,791	1,335,791	1,335,791
6/30/2010	236,634	469,269	862,536	1,176,233	1,227,077	1,276,730	1,317,208	1,306,752	1,305,152	1,305,152	1,305,152
6/30/2011	293,848	316,351	543,831	617,701	707,975	737,938	904,761	827,099	836,946	836,946	
6/30/2012	293,716	528,945	621,956	738,459	1,010,790	1,164,384	1,125,328	1,125,329	1,125,329		
6/30/2013	357,748	983,436	982,163	1,006,713	1,141,680	1,127,821	1,214,158	1,243,522			
6/30/2014	612,131	1,041,222	1,451,609	1,546,194	1,796,579	1,747,589	1,882,092				
6/30/2015	357,008	600,260	800,550	840,762	736,084	753,989					
6/30/2016	352,084	531,692	643,943	879,243	926,115						
6/30/2017	315,630	461,414	767,041	740,927							
6/30/2018	512,369	636,683	725,094								
6/30/2019	462,427	716,476									
6/30/2020	156,565										

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>
6/30/2001	1,194,031	1,194,031	1,194,031	1,194,031	1,197,416	1,203,067	1,203,067	1,203,067	1,203,067
6/30/2002	1,139,859	1,144,859	1,137,359	1,137,359	1,137,359	1,137,359	1,167,358	1,207,890	
6/30/2003	738,363	738,363	738,363	738,363	738,363	738,363	738,363		
6/30/2004	1,029,420	1,029,420	1,029,420	1,029,420	1,029,420	1,029,420			
6/30/2005	895,059	895,059	895,059	895,059	895,059				
6/30/2006	1,760,722	1,785,606	1,785,750	1,785,800					
6/30/2007	1,844,171	1,844,171	1,844,171						
6/30/2008	1,158,353	1,158,353							
6/30/2009	1,335,791								

PREMISES/OPERATIONS (Subline Code 334)
 OWNERS, LANDLORDS AND TENANTS
 FULL COVERAGE
 MINNESOTA
 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
6/30/2001	-143,140	62,990	184,872	2,126	37,446	58,371	48,270	-3,936	-4,326	0	0	0	0
6/30/2002	120,982	305,730	173,994	77,755	3,543	16,253	-10,742	0	-272	1,000	1,500	5,000	-7,500
6/30/2003	100,040	192,623	-87,604	11,979	61,346	60,949	-14,993	380	0	0	0	0	0
6/30/2004	312,758	-13,245	233,541	9,470	7,503	-527	367	1	2,902	0	0	0	0
6/30/2005	190,052	180,332	85,958	39,664	-23,751	-9,317	65,060	-361	-1,606	0	0	0	0
6/30/2006	782,115	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	565,018	362,031	119,135	138,640	57,171	19,800	1,459	29,381	2,058	0	0	0	0
6/30/2008	184,697	164,503	218,025	217,902	170,609	14,647	23,307	-17,499	0	0	0	0	0
6/30/2009	167,147	467,470	140,694	128,211	56,405	57,786	11,899	3,818	0	0	0	0	0
6/30/2010	232,635	393,267	313,697	50,844	49,653	40,478	-10,456	-1,600	0	0	0	0	0
6/30/2011	22,503	227,480	73,870	90,274	29,963	166,823	-77,662	9,847	0	0	0	0	0
6/30/2012	235,229	93,011	116,503	272,331	153,594	-39,056	1	0	0	0	0	0	0
6/30/2013	625,688	-1,273	24,550	134,967	-13,859	86,337	29,364	0	0	0	0	0	0
6/30/2014	429,091	410,387	94,585	250,385	-48,990	134,503	0	0	0	0	0	0	0
6/30/2015	243,252	200,290	40,212	-104,678	17,905	0	0	0	0	0	0	0	0
6/30/2016	179,608	112,251	235,300	46,872	0	0	0	0	0	0	0	0	0
6/30/2017	145,784	305,627	-26,114	0	0	0	0	0	0	0	0	0	0
6/30/2018	124,314	88,411	0	0	0	0	0	0	0	0	0	0	0
6/30/2019	254,049	0	0	0	0	0	0	0	0	0	0	0	0

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
6/30/2001	-0.0303	0.0133	0.0392	0.0005	0.0079	0.0124	0.0102	-0.0008	-0.0009	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0387	0.0979	0.0557	0.0249	0.0011	0.0052	-0.0034	0.0000	-0.0001	0.0003	0.0005	0.0016	-0.0024
6/30/2003	0.0383	0.0738	-0.0336	0.0046	0.0235	0.0233	-0.0057	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0701	-0.0030	0.0523	0.0021	0.0017	-0.0001	0.0001	0.0000	0.0007	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0609	0.0577	0.0275	0.0127	-0.0076	-0.0030	0.0208	-0.0001	-0.0005	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.2086	0.1163	0.0349	0.0240	0.0217	0.0124	-0.0031	0.0054	0.0030	0.0015	0.0009	0.0066	0.0000
6/30/2007	0.1097	0.0703	0.0231	0.0269	0.0111	0.0038	0.0003	0.0057	0.0004	0.0000	0.0000	0.0000	0.0000
6/30/2008	0.0416	0.0371	0.0491	0.0491	0.0385	0.0033	0.0053	-0.0039	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2009	0.0276	0.0772	0.0232	0.0212	0.0093	0.0095	0.0020	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0402	0.0679	0.0542	0.0088	0.0086	0.0070	-0.0018	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.0061	0.0612	0.0199	0.0243	0.0081	0.0449	-0.0209	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.0454	0.0180	0.0225	0.0526	0.0297	-0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.1005	-0.0002	0.0039	0.0217	-0.0022	0.0139	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	0.0638	0.0610	0.0141	0.0372	-0.0073	0.0200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.0528	0.0435	0.0087	-0.0227	0.0039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	0.0402	0.0251	0.0526	0.0105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.0281	0.0589	-0.0050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.0213	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2019	0.0330	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0338	0.0425	0.0089	0.0231	0.0032	0.0136	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)
 OWNERS, LANDLORDS AND TENANTS
 FULL COVERAGE
 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
6/30/2001	1,098,710	635,434	686,510	532,011	638,596	683,846	683,946	697,321	697,321	697,321	697,321
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	341,202	340,334	300,097	300,097	295,097	295,097	295,097	295,097	295,097	295,097	295,097
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	606,517
6/30/2011	387,480	504,837	484,808	467,412	474,912	474,912	484,911	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	486,782		
6/30/2013	444,028	602,422	710,467	720,545	716,545	718,280	818,280	718,280			
6/30/2014	620,130	719,432	716,969	714,968	727,468	736,603	766,603				
6/30/2015	533,311	594,260	565,832	594,423	589,073	571,573					
6/30/2016	727,107	665,435	676,088	676,172	683,324						
6/30/2017	721,095	968,471	991,965	1,221,308							
6/30/2018	715,798	686,244	734,866								
6/30/2019	823,979	911,123									
6/30/2020	566,615										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	697,321	697,321	697,321	697,321	697,321	697,321	697,321	697,321	697,321
6/30/2002	597,008	597,008	597,008	597,008	597,008	597,008	596,770	597,008	
6/30/2003	658,282	658,282	658,282	658,282	658,282	651,585	651,585		
6/30/2004	586,057	586,057	586,057	586,057	586,057	586,057			
6/30/2005	295,097	295,097	295,097	295,097	295,097				
6/30/2006	205,606	205,606	205,606	205,521					
6/30/2007	410,879	410,879	410,879						
6/30/2008	194,277	194,277							
6/30/2009	353,327								

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
6/30/2001	0.578	1.080	0.775	1.200	1.071	1.000	1.020	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	0.997	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	0.870
6/30/2010	0.833	1.151	0.988	1.197	0.835	1.197	1.000	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	1.000		
6/30/2012	1.451	1.053	1.115	1.061	0.949	1.000	1.000	1.000			
6/30/2013	1.357	1.179	1.014	0.994	1.002	1.139	0.878				
6/30/2014	1.160	0.997	0.997	1.017	1.013	1.041					
6/30/2015	1.114	0.952	1.051	0.991	0.970						
6/30/2016	0.915	1.016	1.000	1.011							
6/30/2017	1.343	1.024	1.231								
6/30/2018	0.959	1.071									
6/30/2019	1.106										
3 Yr Mean	1.136	1.037	1.094	1.006	0.995	1.060	0.959	1.000	1.050	1.000	0.925
Best 3/5	1.060	1.012	1.022	1.007	0.991	1.067	1.000	1.000	1.000	1.000	0.969

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
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	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2006	1.000	1.000	1.000					
6/30/2007	1.000	1.000						
6/30/2008	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 *

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
6/30/2016					0.991	1.067	1.000	1.000	1.000	1.000	0.969
6/30/2017				1.007	0.991	1.067	1.000	1.000	1.000	1.000	0.969
6/30/2018			1.022	1.007	0.991	1.067	1.000	1.000	1.000	1.000	0.969
6/30/2019		1.012	1.022	1.007	0.991	1.067	1.000	1.000	1.000	1.000	0.969
6/30/2020	1.060	1.012	1.022	1.007	0.991	1.067	1.000	1.000	1.000	1.000	0.969

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.025
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.032
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.054
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.067
6/30/2020	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.131

* 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>
6/30/2001	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	33,229	50,345	74,532	166,319	252,086	287,103	303,493	303,493	303,493	303,493	303,493
6/30/2011	16,735	113,429	203,066	230,518	252,206	304,684	303,938	304,433	304,433	304,433	
6/30/2012	91,957	154,921	162,042	162,042	165,774	166,806	170,512	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	1,594,570			
6/30/2014	53,161	37,465	79,329	103,221	134,311	143,266	155,356				
6/30/2015	12,066	48,167	83,415	210,957	210,957	159,454					
6/30/2016	136,536	99,660	369,069	518,590	548,395						
6/30/2017	230,510	590,732	867,849	1,281,102							
6/30/2018	111,600	222,946	241,473								
6/30/2019	26,044	46,034									
6/30/2020	11,980										

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>
6/30/2001	237,436	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	657,640	
6/30/2003	416,127	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	439,978			
6/30/2005	76,126	76,126	76,126	76,126	76,126				
6/30/2006	44,161	44,161	44,161	44,161					
6/30/2007	36,637	36,637	36,637						
6/30/2008	27,695	27,695							
6/30/2009	101,101								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
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	-1	0	0	0	0	0	0
6/30/2014	-15,696	41,864	23,892	31,090	8,955	12,090	0	0	0	0	0	0	0
6/30/2015	36,101	35,248	127,542	0	-51,503	0	0	0	0	0	0	0	0
6/30/2016	-36,876	269,409	149,521	29,805	0	0	0	0	0	0	0	0	0
6/30/2017	360,222	277,117	413,253	0	0	0	0	0	0	0	0	0	0
6/30/2018	111,346	18,527	0	0	0	0	0	0	0	0	0	0	0
6/30/2019	19,990	0	0	0	0	0	0	0	0	0	0	0	0

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
6/30/2001	-0.0072	0.0650	0.0023	0.0489	0.0525	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	-0.0429	0.0257	0.0844	0.0910	0.1097	0.0310	0.6677	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0285	0.2322	0.0503	-0.0004	-0.0001	0.0000	0.0000	0.1321	0.0036	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0704	0.0834	0.0205	0.0403	0.0282	0.0010	0.0000	0.0000	0.3440	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0990	0.0873	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	-0.0413	0.1406	0.0207	-0.0535	-0.0007	0.1209	0.0000	0.0000	0.0484	-0.1083	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	-0.0628	0.0000	0.0000
6/30/2008	-0.0001	0.0749	-0.0094	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2009	-0.0327	0.0070	0.0341	0.0523	-0.0415	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2010	0.0152	0.0215	0.0815	0.0762	0.0311	0.0146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2011	0.1472	0.1364	0.0418	0.0330	0.0799	-0.0011	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2012	0.1062	0.0120	0.0000	0.0063	0.0017	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2013	0.0965	1.5023	0.0059	-0.0015	-0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2014	-0.0193	0.0514	0.0293	0.0382	0.0110	0.0148	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2015	0.0469	0.0458	0.1657	0.0000	-0.0669	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2016	-0.0288	0.2103	0.1167	0.0233	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2017	0.1953	0.1502	0.2241	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2018	0.1294	0.0215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2019	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0631	0.0825	0.1039	0.0099	0.0031	0.0069	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
6/30/2001	52,344,133	111,097,429	151,724,340	167,663,816	172,369,692	168,196,056	165,227,135	164,189,834	163,655,337	163,712,335	163,406,210
6/30/2002	51,569,152	89,509,348	118,248,359	133,612,571	133,370,123	130,163,634	128,405,180	127,465,004	127,550,917	127,330,791	127,648,267
6/30/2003	54,635,934	88,370,852	120,586,150	132,110,806	130,061,785	126,785,305	125,950,659	125,046,392	124,522,415	124,348,669	123,938,423
6/30/2004	59,194,900	93,722,302	125,227,308	131,860,887	128,604,124	126,935,684	124,777,494	123,953,517	123,389,789	123,439,479	123,468,656
6/30/2005	54,137,083	88,350,594	114,941,753	121,982,430	119,108,689	115,905,827	114,469,099	114,054,751	113,754,197	113,918,101	113,969,165
6/30/2006	60,872,150	92,942,452	115,964,456	121,172,645	119,515,617	118,593,234	119,345,808	119,387,471	118,549,976	118,150,631	117,620,674
6/30/2007	59,873,170	89,860,573	114,064,705	119,817,901	119,508,906	119,019,052	117,805,441	117,821,409	117,774,979	117,476,627	117,648,445
6/30/2008	64,293,613	96,279,462	124,535,613	131,430,845	130,583,567	129,541,939	129,597,048	128,910,518	128,428,548	128,348,985	128,509,070
6/30/2009	62,882,183	100,570,980	123,105,532	133,945,772	133,439,744	132,465,469	131,905,027	131,317,617	130,759,390	130,565,854	130,894,978
6/30/2010	68,406,839	97,772,167	126,002,316	132,912,858	133,872,091	132,254,817	131,938,053	132,147,683	132,333,722	132,153,472	132,231,419
6/30/2011	67,886,003	107,886,333	134,658,727	146,343,494	145,281,659	143,190,727	143,034,329	142,849,481	142,748,552	142,105,594	
6/30/2012	63,975,883	95,301,311	121,469,903	128,522,864	127,857,208	127,687,642	128,416,762	128,232,155	128,430,712		
6/30/2013	54,450,916	90,779,062	110,096,943	117,438,428	120,863,338	121,304,835	121,112,305	121,122,417			
6/30/2014	66,853,838	100,005,044	131,940,156	144,990,998	145,570,207	145,122,271	144,267,959				
6/30/2015	56,707,689	90,045,510	122,230,008	132,269,506	133,922,422	133,993,955					
6/30/2016	49,340,737	82,951,241	113,237,998	124,512,790	125,884,950						
6/30/2017	55,812,678	87,945,295	118,122,776	126,358,141							
6/30/2018	59,094,749	97,970,257	125,002,609								
6/30/2019	59,527,914	96,752,907									
6/30/2020	53,652,825										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	163,544,487	163,581,910	163,738,237	163,660,657	163,390,860	163,513,752	163,245,336	163,253,836	163,232,836
6/30/2002	127,154,605	127,209,369	127,071,668	127,033,973	127,050,364	127,040,930	127,213,486	127,328,291	
6/30/2003	124,254,873	124,058,254	123,782,642	123,752,941	123,747,933	123,951,432	124,026,999		
6/30/2004	123,664,487	123,644,929	123,726,793	123,722,007	123,910,118	123,959,758			
6/30/2005	114,113,163	114,098,361	114,093,070	114,096,566	114,103,800				
6/30/2006	117,711,170	118,215,559	118,175,450	118,326,160					
6/30/2007	117,533,800	117,694,637	117,835,372						
6/30/2008	128,625,257	128,815,733							
6/30/2009	130,770,628								

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

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	2.122	1.366	1.105	1.028	0.976	0.982	0.994	0.997	1.000	0.998	1.001
6/30/2002	1.736	1.321	1.130	0.998	0.976	0.986	0.993	1.001	0.998	1.002	0.996
6/30/2003	1.617	1.365	1.096	0.984	0.975	0.993	0.993	0.996	0.999	0.997	1.003
6/30/2004	1.583	1.336	1.053	0.975	0.987	0.983	0.993	0.995	1.000	1.000	1.002
6/30/2005	1.632	1.301	1.061	0.976	0.973	0.988	0.996	0.997	1.001	1.000	1.001
6/30/2006	1.527	1.248	1.045	0.986	0.992	1.006	1.000	0.993	0.997	0.996	1.001
6/30/2007	1.501	1.269	1.050	0.997	0.996	0.990	1.000	1.000	0.997	1.001	0.999
6/30/2008	1.497	1.293	1.055	0.994	0.992	1.000	0.995	0.996	0.999	1.001	1.001
6/30/2009	1.599	1.224	1.088	0.996	0.993	0.996	0.996	0.996	0.999	1.003	0.999
6/30/2010	1.429	1.289	1.055	1.007	0.988	0.998	1.002	1.001	0.999	1.001	
6/30/2011	1.589	1.248	1.087	0.993	0.986	0.999	0.999	0.999	0.995		
6/30/2012	1.490	1.275	1.058	0.995	0.999	1.006	0.999	1.002			
6/30/2013	1.667	1.213	1.067	1.029	1.004	0.998	1.000				
6/30/2014	1.496	1.319	1.099	1.004	0.997	0.994					
6/30/2015	1.588	1.357	1.082	1.012	1.001						
6/30/2016	1.681	1.365	1.100	1.011							
6/30/2017	1.576	1.343	1.070								
6/30/2018	1.658	1.276									
6/30/2019	1.625										
3 Yr Mean	1.620	1.328	1.084	1.009	1.001	0.999	0.999	1.001	0.998	1.002	1.000
Best 3/5	1.624	1.340	1.084	1.009	0.999	0.998	0.999	0.999	0.998	1.001	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.000	1.001	1.000	0.998	1.001	0.998	1.000	1.000
6/30/2002	1.000	0.999	1.000	1.000	1.000	1.001	1.001	1.000 *
6/30/2003	0.998	0.998	1.000	1.000	1.002	1.001	1.000 *	1.000 *
6/30/2004	1.000	1.001	1.000	1.002	1.000	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2006	1.004	1.000	1.001					
6/30/2007	1.001	1.001						
6/30/2008	1.001							

3 Yr Mean	1.002	1.000	1.000	1.001	1.001 @	1.000 @	1.001 @	1.000 @
Best 3/5	1.001	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
6/30/2016					0.999	0.998	0.999	0.999	0.998	1.001	1.000
6/30/2017				1.009	0.999	0.998	0.999	0.999	0.998	1.001	1.000
6/30/2018			1.084	1.009	0.999	0.998	0.999	0.999	0.998	1.001	1.000
6/30/2019		1.340	1.084	1.009	0.999	0.998	0.999	0.999	0.998	1.001	1.000
6/30/2020	1.624	1.340	1.084	1.009	0.999	0.998	0.999	0.999	0.998	1.001	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.995
6/30/2017	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.004
6/30/2018	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.088
6/30/2019	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.458
6/30/2020	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.368

* 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
6/30/2001	5,347,825	11,513,035	15,832,045	14,311,826	14,351,648	15,914,260	15,828,234	15,330,607	14,939,074	15,104,206	15,098,358
6/30/2002	5,332,606	10,437,857	13,713,765	15,403,121	15,148,784	15,606,065	14,828,284	15,124,254	14,876,383	15,062,992	14,958,581
6/30/2003	7,648,961	10,441,160	13,917,045	16,381,854	17,050,453	16,016,658	15,820,030	15,477,369	15,466,254	15,181,403	15,639,167
6/30/2004	6,797,598	11,837,370	15,468,313	18,082,307	16,756,774	16,982,864	15,776,735	15,839,612	15,477,275	15,646,313	15,502,313
6/30/2005	7,183,665	12,665,143	15,853,994	15,969,006	16,608,297	16,065,153	15,707,151	15,471,875	15,187,566	14,933,805	14,988,913
6/30/2006	9,321,841	13,883,299	18,547,968	20,126,620	18,918,103	18,691,172	18,774,614	18,632,129	18,622,582	18,437,176	18,682,104
6/30/2007	9,386,914	14,045,412	16,975,434	19,325,173	18,774,466	18,821,326	18,466,842	18,767,660	18,873,961	18,983,886	18,972,451
6/30/2008	11,143,249	14,837,373	18,604,481	20,392,774	20,682,019	19,626,043	20,171,827	19,987,164	20,060,751	20,086,087	19,989,514
6/30/2009	7,033,925	13,637,446	16,093,327	16,658,141	17,714,738	17,511,810	17,635,732	17,396,052	17,636,113	17,768,717	17,934,442
6/30/2010	10,375,187	13,992,415	16,840,965	18,436,678	19,138,628	19,546,079	19,277,081	18,945,441	18,971,368	18,844,368	18,737,816
6/30/2011	10,602,956	15,341,815	18,745,795	20,095,191	19,950,685	20,044,240	20,061,072	19,837,221	19,891,108	19,864,009	
6/30/2012	8,304,174	14,767,545	19,312,211	20,542,491	20,724,740	20,683,692	20,886,665	20,818,381	20,968,050		
6/30/2013	8,566,147	14,860,825	16,614,349	18,477,955	18,713,028	18,746,091	18,556,717	18,557,879			
6/30/2014	10,806,071	16,783,135	20,564,086	23,608,678	24,449,852	24,800,365	24,650,404				
6/30/2015	8,823,508	15,539,495	21,477,929	25,007,705	25,326,001	25,689,202					
6/30/2016	8,766,347	14,119,671	20,615,079	22,827,266	23,094,219						
6/30/2017	9,849,595	15,335,209	20,942,150	23,955,509							
6/30/2018	11,811,531	19,404,182	26,418,231								
6/30/2019	9,053,561	16,175,779									
6/30/2020	7,179,279										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	14,995,218	15,215,601	15,238,505	15,199,305	15,196,804	15,199,804	15,202,305	15,299,305	15,320,305		
6/30/2002	15,540,244	15,586,743	15,589,243	15,581,142	15,653,142	15,653,142	15,650,142	15,750,142			
6/30/2003	15,821,667	15,716,304	15,717,804	15,716,304	15,716,304	15,716,304	15,710,105				
6/30/2004	15,493,895	15,562,395	15,487,395	15,523,895	15,523,895	15,523,895					
6/30/2005	14,954,336	14,928,703	15,006,203	15,006,203	15,006,203						
6/30/2006	18,747,106	18,687,804	18,687,805	18,693,555							
6/30/2007	19,239,466	19,235,415	19,234,066								
6/30/2008	19,899,014	19,897,764									
6/30/2009	17,814,708										

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
6/30/2001	2.153	1.375	0.904	1.003	1.109	0.995	0.969	0.974	1.011	1.000	0.993
6/30/2002	1.957	1.314	1.123	0.983	1.030	0.950	1.020	0.984	1.013	0.993	1.039
6/30/2003	1.365	1.333	1.177	1.041	0.939	0.988	0.978	0.999	0.982	1.030	1.012
6/30/2004	1.741	1.307	1.169	0.927	1.013	0.929	1.004	0.977	1.011	0.991	0.999
6/30/2005	1.763	1.252	1.007	1.040	0.967	0.978	0.985	0.982	0.983	1.004	0.998
6/30/2006	1.489	1.336	1.085	0.940	0.988	1.004	0.992	0.999	0.990	1.013	1.003
6/30/2007	1.496	1.209	1.138	0.972	1.002	0.981	1.016	1.006	1.006	0.999	1.014
6/30/2008	1.332	1.254	1.096	1.014	0.949	1.028	0.991	1.004	1.001	0.995	0.995
6/30/2009	1.939	1.180	1.035	1.063	0.989	1.007	0.986	1.014	1.008	1.009	0.993
6/30/2010	1.349	1.204	1.095	1.038	1.021	0.986	0.983	1.001	0.993	0.994	
6/30/2011	1.447	1.222	1.072	0.993	1.005	1.001	0.989	1.003	0.999		
6/30/2012	1.778	1.308	1.064	1.009	0.998	1.010	0.997	1.007			
6/30/2013	1.735	1.118	1.112	1.013	1.002	0.990	1.000				
6/30/2014	1.553	1.225	1.148	1.036	1.014	0.994					
6/30/2015	1.761	1.382	1.164	1.013	1.014						
6/30/2016	1.611	1.460	1.107	1.012							
6/30/2017	1.557	1.366	1.144								
6/30/2018	1.643	1.361									
6/30/2019	1.787										
3 Yr Mean	1.662	1.396	1.138	1.020	1.010	0.998	0.995	1.004	1.000	0.999	1.001
Best 3/5	1.672	1.370	1.135	1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.015	1.002	0.997	1.000	1.000	1.000	1.006	1.001
6/30/2002	1.003	1.000	0.999	1.005	1.000	1.000	1.006	1.002 *
6/30/2003	0.993	1.000	1.000	1.000	1.000	1.000	1.000 *	1.002 *
6/30/2004	1.004	0.995	1.002	1.000	1.000	1.000 *	1.000 *	1.002 *
6/30/2005	0.998	1.005	1.000	1.000	1.000 *	1.000 *	1.000 *	1.002 *
6/30/2006	0.997	1.000	1.000					
6/30/2007	1.000	1.000						
6/30/2008	1.000							
3 Yr Mean	0.999	1.002	1.001	1.000	1.000 @	1.000 @	1.006 @	1.001 @
Best 3/5	0.999	1.000	1.000	1.000	1.000 *	1.000 *	1.002 *	1.002 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2016					1.007	0.995	0.991	1.005	1.002	1.001	0.999
6/30/2017				1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999
6/30/2018			1.135	1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999
6/30/2019		1.370	1.135	1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999
6/30/2020	1.672	1.370	1.135	1.013	1.007	0.995	0.991	1.005	1.002	1.001	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	1.011
6/30/2017	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	1.024
6/30/2018	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	1.162
6/30/2019	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	1.592
6/30/2020	0.999	1.000	1.000	1.000	1.000	1.000	1.002	1.002	1.008*	2.662

* 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

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>
6/30/2001	9,052,470	25,840,007	52,122,404	75,751,646	91,271,072	97,452,355	100,464,507	102,597,728	103,954,818	104,738,556	106,526,162
6/30/2002	10,320,061	25,146,694	47,402,345	69,037,558	79,182,973	83,300,797	89,544,790	90,813,847	91,152,971	92,258,418	92,236,116
6/30/2003	10,176,086	25,928,191	45,876,335	64,535,771	72,884,738	79,003,356	81,042,262	82,695,077	83,713,266	84,320,098	84,400,777
6/30/2004	8,886,397	21,732,223	43,151,133	60,181,956	68,768,286	76,073,510	77,997,153	79,527,530	79,917,836	80,464,911	80,740,861
6/30/2005	8,558,390	22,049,610	39,688,332	56,191,880	65,808,746	69,105,899	70,834,465	71,933,545	73,614,239	73,852,716	74,111,925
6/30/2006	6,935,884	21,969,003	43,332,687	59,087,945	70,102,077	75,443,570	80,869,742	83,446,727	84,276,233	86,145,467	86,319,287
6/30/2007	8,226,896	23,480,162	45,131,108	61,600,471	69,717,144	74,262,989	76,198,076	77,439,616	77,928,417	78,433,151	78,469,567
6/30/2008	8,716,691	23,462,202	49,763,685	69,403,095	82,123,148	87,804,024	92,373,513	93,782,947	94,728,393	95,383,584	95,783,355
6/30/2009	9,511,756	24,280,581	46,635,525	65,955,124	77,049,818	86,819,186	89,235,151	90,468,837	90,972,089	91,541,578	92,593,409
6/30/2010	11,628,720	28,718,550	56,967,732	81,439,791	93,492,900	99,176,172	101,287,074	103,386,367	104,005,503	104,276,724	104,792,135
6/30/2011	12,015,992	36,019,223	58,853,001	82,088,656	94,219,913	106,557,999	108,010,108	109,502,933	110,616,227	110,563,212	
6/30/2012	12,436,404	29,678,526	56,920,929	78,902,152	92,848,654	97,682,203	102,951,887	104,219,263	105,193,244		
6/30/2013	10,150,013	27,611,432	51,680,033	73,880,583	85,389,927	91,751,927	94,356,694	95,144,131			
6/30/2014	12,533,795	30,119,641	60,033,839	85,127,328	96,179,150	103,623,963	106,666,793				
6/30/2015	13,011,122	28,357,851	56,072,742	76,080,752	85,934,837	91,957,387					
6/30/2016	10,394,892	27,473,041	52,350,938	75,661,787	89,948,564						
6/30/2017	11,683,604	29,495,229	55,764,582	73,107,985							
6/30/2018	11,660,630	31,067,104	58,864,508								
6/30/2019	11,816,011	32,377,124									
6/30/2020	11,616,947										

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>
6/30/2001	107,547,508	107,622,986	108,486,421	109,189,664	109,481,391	110,239,572	111,087,242	111,288,825	111,366,106
6/30/2002	92,426,361	92,949,245	93,179,847	93,262,610	93,336,745	93,470,995	93,682,377	93,694,637	
6/30/2003	84,673,259	85,178,255	85,278,599	85,498,068	85,524,525	85,580,484	85,645,943		
6/30/2004	80,754,413	80,752,318	80,796,213	80,531,440	80,532,915	80,531,998			
6/30/2005	74,245,279	74,811,099	74,933,453	75,255,311	75,454,238				
6/30/2006	87,005,123	87,334,926	88,280,613	88,404,780					
6/30/2007	78,636,452	78,637,350	78,792,724						
6/30/2008	95,763,835	96,447,542							
6/30/2009	91,992,804								

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
6/30/2001	16,787,537	26,282,397	23,629,242	15,519,426	6,181,283	3,012,152	2,133,221	1,357,090	783,738	1,787,606	1,021,346	75,478	863,435
6/30/2002	14,826,633	22,255,651	21,635,213	10,145,415	4,117,824	6,243,993	1,269,057	339,124	1,105,447	-22,302	190,245	522,884	230,602
6/30/2003	15,752,105	19,948,144	18,659,436	8,348,967	6,118,618	2,038,906	1,652,815	1,018,189	606,832	80,679	272,482	504,996	100,344
6/30/2004	12,845,826	21,418,910	17,030,823	8,586,330	7,305,224	1,923,643	1,530,377	390,306	547,075	275,950	13,552	-2,095	43,895
6/30/2005	13,491,220	17,638,722	16,503,548	9,616,866	3,297,153	1,728,566	1,099,080	1,680,694	238,477	259,209	133,354	565,820	122,354
6/30/2006	15,033,119	21,363,684	15,755,258	11,014,132	5,341,493	5,426,172	2,576,985	829,506	1,869,234	173,820	685,836	329,803	945,687
6/30/2007	15,253,266	21,650,946	16,469,363	8,116,673	4,545,845	1,935,087	1,241,540	488,801	504,734	36,416	166,885	898	155,374
6/30/2008	14,745,511	26,301,483	19,639,410	12,720,053	5,680,876	4,569,489	1,409,434	945,446	655,191	399,771	-19,520	683,707	
6/30/2009	14,768,825	22,354,944	19,319,599	11,094,694	9,769,368	2,415,965	1,233,686	503,252	569,489	1,051,831	-600,605		
6/30/2010	17,089,830	28,249,182	24,472,059	12,053,109	5,683,272	2,110,902	2,099,293	619,136	515,411				
6/30/2011	24,003,231	22,833,778	23,235,655	12,131,257	12,338,086	1,452,109	1,492,825	1,113,294	-53,015				
6/30/2012	17,242,122	27,242,403	21,981,223	13,946,502	4,833,549	5,269,684	1,267,376	973,981					
6/30/2013	17,461,419	24,068,601	22,200,550	11,509,344	6,362,000	2,604,767	787,437						
6/30/2014	17,585,846	29,914,198	25,093,489	11,051,822	7,444,813	3,042,830							
6/30/2015	15,346,729	27,714,891	20,008,010	9,854,085	6,022,550								
6/30/2016	17,078,149	24,877,897	23,310,849	14,286,777									
6/30/2017	17,811,625	26,269,353	17,343,403										
6/30/2018	19,406,474	27,797,404											
6/30/2019	20,561,113												

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
6/30/2001	0.0568	0.0888	0.0799	0.0525	0.0209	0.0102	0.0072	0.0046	0.0026	0.0060	0.0035	0.0003	0.0029
6/30/2002	0.0633	0.0950	0.0924	0.0433	0.0176	0.0267	0.0054	0.0014	0.0047	-0.0001	0.0008	0.0022	0.0010
6/30/2003	0.0679	0.0860	0.0805	0.0360	0.0264	0.0088	0.0071	0.0044	0.0026	0.0003	0.0012	0.0022	0.0004
6/30/2004	0.0551	0.0919	0.0731	0.0368	0.0313	0.0083	0.0066	0.0017	0.0023	0.0012	0.0001	0.0000	0.0002
6/30/2005	0.0646	0.0844	0.0790	0.0460	0.0158	0.0083	0.0053	0.0080	0.0011	0.0012	0.0006	0.0027	0.0006
6/30/2006	0.0668	0.0950	0.0701	0.0490	0.0238	0.0241	0.0115	0.0037	0.0083	0.0008	0.0030	0.0015	0.0042
6/30/2007	0.0664	0.0942	0.0716	0.0353	0.0198	0.0084	0.0054	0.0021	0.0022	0.0002	0.0007	0.0000	0.0007
6/30/2008	0.0574	0.1025	0.0765	0.0496	0.0221	0.0178	0.0055	0.0037	0.0026	0.0016	-0.0001	0.0027	
6/30/2009	0.0582	0.0880	0.0761	0.0437	0.0385	0.0095	0.0049	0.0020	0.0022	0.0041	-0.0024		
6/30/2010	0.0705	0.1165	0.1010	0.0497	0.0234	0.0087	0.0087	0.0026	0.0011	0.0021			
6/30/2011	0.0865	0.0823	0.0837	0.0437	0.0445	0.0052	0.0054	0.0040	-0.0002				
6/30/2012	0.0675	0.1067	0.0861	0.0546	0.0189	0.0206	0.0050	0.0038					
6/30/2013	0.0708	0.0976	0.0900	0.0467	0.0258	0.0106	0.0032						
6/30/2014	0.0603	0.1025	0.0860	0.0379	0.0255	0.0104							
6/30/2015	0.0572	0.1033	0.0745	0.0367	0.0224								
6/30/2016	0.0659	0.0960	0.0899	0.0551									
6/30/2017	0.0656	0.0968	0.0639										
6/30/2018	0.0677	0.0970											
6/30/2019	0.0688												

Best 3/5 0.0664 0.0988 0.0835 0.0464 0.0246 0.0099 0.0051 0.0034 0.0019 0.0015 0.0004 0.0014 0.0006

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
6/30/2001	109,210,249	116,506,810	127,349,855	132,339,755	132,792,054	133,297,147	134,027,079	133,866,958	134,381,601	134,836,314	135,579,521
6/30/2002	91,185,832	104,610,416	109,751,266	111,606,134	111,402,560	112,398,037	112,071,525	112,207,751	112,336,354	112,818,695	113,174,228
6/30/2003	78,673,194	87,707,848	92,284,305	94,271,800	93,938,308	94,539,824	94,817,587	95,998,312	96,091,497	96,246,990	96,475,600
6/30/2004	88,595,798	101,106,889	105,578,721	105,995,380	106,799,582	107,093,846	107,085,611	107,585,132	107,889,452	108,088,176	108,348,146
6/30/2005	93,640,009	100,569,217	100,958,390	102,941,195	103,378,808	103,308,648	103,865,799	104,785,954	105,178,115	105,609,042	105,800,900
6/30/2006	94,044,451	102,040,222	104,459,409	105,785,209	107,170,760	108,147,925	108,684,691	109,128,665	109,088,724	109,795,024	109,770,529
6/30/2007	97,099,614	106,144,220	108,567,204	109,906,978	111,666,623	112,692,821	113,537,742	114,154,307	115,055,329	115,367,562	115,361,705
6/30/2008	103,454,788	112,741,019	114,950,152	116,602,471	118,607,634	119,628,387	120,489,878	121,196,783	121,845,753	122,245,171	123,310,746
6/30/2009	103,103,418	111,102,988	114,526,871	117,488,655	117,510,696	118,398,333	118,730,221	119,296,914	120,859,148	121,501,028	121,721,125
6/30/2010	96,632,703	105,755,704	108,490,954	110,461,394	111,928,655	111,977,580	112,756,966	112,895,148	113,476,735	113,585,924	113,967,352
6/30/2011	108,735,827	117,707,966	120,974,402	121,525,305	122,398,238	123,133,566	123,892,660	124,761,289	125,283,098	125,260,155	
6/30/2012	113,547,562	121,739,047	124,306,518	125,103,562	126,258,195	127,030,134	127,999,259	128,798,422	128,865,028		
6/30/2013	103,673,518	113,408,665	118,186,413	119,836,171	120,969,540	121,770,098	122,593,315	123,092,492			
6/30/2014	102,163,348	111,374,804	116,682,692	118,760,684	120,195,306	121,412,231	122,654,576				
6/30/2015	100,309,188	111,052,397	118,357,295	122,850,934	124,117,576	125,833,105					
6/30/2016	103,734,987	116,858,189	122,330,720	125,337,393	127,449,187						
6/30/2017	110,137,847	124,061,729	130,507,089	133,189,686							
6/30/2018	115,404,075	130,736,840	137,347,200								
6/30/2019	114,575,704	130,537,592									
6/30/2020	107,893,835										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	135,569,081	135,494,800	135,641,129	135,711,993	135,923,553	136,115,242	136,418,455	136,548,168	136,856,564
6/30/2002	113,177,971	113,407,466	113,836,991	114,341,695	114,430,822	114,254,947	114,799,503	114,501,645	
6/30/2003	97,047,072	97,120,427	97,326,313	97,417,462	97,526,641	97,621,930	97,639,281		
6/30/2004	108,666,107	108,783,321	109,213,324	109,415,643	109,449,493	109,807,268			
6/30/2005	105,944,491	106,314,090	106,345,405	106,364,488	106,301,562				
6/30/2006	109,967,442	110,768,919	110,794,662	110,725,951					
6/30/2007	115,589,493	115,595,605	115,517,941						
6/30/2008	123,573,934	123,567,148							
6/30/2009	121,880,750								

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
 Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2001	1.067	1.093	1.039	1.003	1.004	1.005	0.999	1.004	1.003	1.006	1.000
6/30/2002	1.147	1.049	1.017	0.998	1.009	0.997	1.001	1.001	1.004	1.003	1.000
6/30/2003	1.115	1.052	1.022	0.996	1.006	1.003	1.012	1.001	1.002	1.002	1.006
6/30/2004	1.141	1.044	1.004	1.008	1.003	1.000	1.005	1.003	1.002	1.002	1.003
6/30/2005	1.074	1.004	1.020	1.004	0.999	1.005	1.009	1.004	1.004	1.002	1.001
6/30/2006	1.085	1.024	1.013	1.013	1.009	1.005	1.004	1.000	1.006	1.000	1.002
6/30/2007	1.093	1.023	1.012	1.016	1.009	1.007	1.005	1.008	1.003	1.000	1.002
6/30/2008	1.090	1.020	1.014	1.017	1.009	1.007	1.006	1.005	1.003	1.009	1.002
6/30/2009	1.078	1.031	1.026	1.000	1.008	1.003	1.005	1.013	1.005	1.002	1.001
6/30/2010	1.094	1.026	1.018	1.013	1.000	1.007	1.001	1.005	1.001	1.003	
6/30/2011	1.083	1.028	1.005	1.007	1.006	1.006	1.007	1.004	1.000		
6/30/2012	1.072	1.021	1.006	1.009	1.006	1.008	1.006	1.001			
6/30/2013	1.094	1.042	1.014	1.009	1.007	1.007	1.004				
6/30/2014	1.090	1.048	1.018	1.012	1.010	1.010					
6/30/2015	1.107	1.066	1.038	1.010	1.014						
6/30/2016	1.127	1.047	1.025	1.017							
6/30/2017	1.126	1.052	1.021								
6/30/2018	1.133	1.051									
6/30/2019	1.139										
3 Yr Mean	1.133	1.050	1.028	1.013	1.010	1.008	1.006	1.003	1.002	1.005	1.002
Best 3/5	1.129	1.050	1.021	1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	0.999	1.001	1.001	1.002	1.001	1.002	1.001	1.002
6/30/2002	1.002	1.004	1.004	1.001	0.998	1.005	0.997	1.001 *
6/30/2003	1.001	1.002	1.001	1.001	1.001	1.000	1.001 *	1.001 *
6/30/2004	1.001	1.004	1.002	1.000	1.003	1.001 *	1.001 *	1.001 *
6/30/2005	1.003	1.000	1.000	0.999	1.001 *	1.001 *	1.001 *	1.001 *
6/30/2006	1.007	1.000	0.999					
6/30/2007	1.000	0.999						
6/30/2008	1.000							
3 Yr Mean	1.002	1.000	1.000	1.000	1.001 @	1.002 @	0.999 @	1.002 @
Best 3/5	1.001	1.001	1.001	1.001	1.001 *	1.001 *	1.001 *	1.001 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2016					1.008	1.007	1.005	1.005	1.002	1.002	1.002
6/30/2017				1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002
6/30/2018			1.021	1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002
6/30/2019		1.050	1.021	1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002
6/30/2020	1.129	1.050	1.021	1.010	1.008	1.007	1.005	1.005	1.002	1.002	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.044
6/30/2017	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.054
6/30/2018	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.076
6/30/2019	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.130
6/30/2020	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.004*	1.276

* 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:

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
6/30/2001	20,428,156	25,391,915	27,823,184	29,290,075	29,680,768	30,012,385	30,281,533	30,984,899	31,479,126	31,451,530	31,163,873
6/30/2002	18,827,468	23,160,914	23,300,079	23,541,453	23,829,166	25,065,578	25,018,761	25,676,332	25,655,144	25,721,206	25,718,353
6/30/2003	19,880,768	21,679,471	21,835,664	22,415,057	23,569,537	23,467,914	23,957,827	24,174,028	24,368,126	24,573,000	24,603,339
6/30/2004	19,997,680	22,866,733	24,899,811	25,139,722	25,328,424	25,844,354	26,028,013	26,180,005	26,262,088	26,339,873	26,497,996
6/30/2005	21,049,509	23,944,173	25,700,930	26,256,998	26,338,755	26,037,953	26,313,662	26,447,914	26,912,795	27,098,960	27,195,137
6/30/2006	20,881,135	24,265,121	25,293,172	25,617,032	25,397,726	25,681,753	25,888,118	26,091,509	26,237,322	26,635,293	26,601,035
6/30/2007	24,860,854	26,513,967	27,633,982	27,585,114	27,483,424	27,233,380	27,594,591	27,479,469	27,522,885	27,644,203	27,694,114
6/30/2008	25,855,431	28,796,968	30,118,262	30,852,189	30,297,509	30,783,809	30,941,749	30,915,522	31,359,990	31,484,815	31,627,864
6/30/2009	27,069,163	27,403,945	28,545,602	28,753,946	28,579,841	28,563,278	28,294,050	28,624,814	28,851,738	29,032,318	29,031,486
6/30/2010	21,137,130	22,923,853	23,213,495	23,504,578	23,497,435	23,619,910	24,244,201	24,139,899	24,313,734	24,291,647	24,315,591
6/30/2011	22,607,999	23,526,194	24,372,606	24,127,125	24,323,958	24,544,325	24,624,458	25,112,547	24,895,405	24,950,409	
6/30/2012	21,525,198	23,718,271	24,497,547	24,717,806	24,691,473	24,878,471	25,074,135	25,060,529	25,126,778		
6/30/2013	20,331,122	22,696,451	23,721,973	23,703,418	23,275,260	23,247,254	23,307,123	23,335,837			
6/30/2014	22,023,991	23,959,969	24,437,722	24,851,503	25,062,559	25,318,652	25,357,184				
6/30/2015	23,570,866	26,080,315	26,966,692	27,746,765	27,904,017	27,782,247					
6/30/2016	24,440,129	26,431,001	27,531,141	26,780,605	27,230,185						
6/30/2017	21,614,267	24,998,270	27,051,696	27,585,997							
6/30/2018	24,847,632	26,822,566	29,186,155								
6/30/2019	23,034,109	27,462,040									
6/30/2020	18,913,492										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	31,340,669	31,514,228	31,623,496	31,631,988	31,531,801	31,564,301	31,577,579	31,585,212	31,585,212		
6/30/2002	25,902,410	25,943,939	25,782,023	25,648,106	25,641,270	25,553,509	25,540,822	25,540,821			
6/30/2003	24,671,936	24,612,878	24,566,831	24,653,647	24,613,075	24,620,349	24,619,848				
6/30/2004	26,486,324	26,453,641	26,473,689	26,472,478	26,577,281	26,592,281					
6/30/2005	27,074,801	27,253,680	27,319,172	27,166,159	27,136,067						
6/30/2006	26,783,013	26,706,462	26,720,087	26,753,943							
6/30/2007	27,790,607	27,782,388	27,826,096								
6/30/2008	31,577,965	31,799,129									
6/30/2009	29,137,787										

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
6/30/2001	1.243	1.096	1.053	1.013	1.011	1.009	1.023	1.016	0.999	0.991	1.006
6/30/2002	1.230	1.006	1.010	1.012	1.052	0.998	1.026	0.999	1.003	1.000	1.007
6/30/2003	1.090	1.007	1.027	1.052	0.996	1.021	1.009	1.008	1.008	1.001	1.003
6/30/2004	1.143	1.089	1.010	1.008	1.020	1.007	1.006	1.003	1.003	1.006	1.000
6/30/2005	1.138	1.073	1.022	1.003	0.989	1.011	1.005	1.018	1.007	1.004	0.996
6/30/2006	1.162	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	1.114	1.046	1.024	0.982	1.016	1.005	0.999	1.014	1.004	1.005	0.998
6/30/2009	1.012	1.042	1.007	0.994	0.999	0.991	1.012	1.008	1.006	1.000	1.004
6/30/2010	1.085	1.013	1.013	1.000	1.005	1.026	0.996	1.007	0.999	1.001	
6/30/2011	1.041	1.036	0.990	1.008	1.009	1.003	1.020	0.991	1.002		
6/30/2012	1.102	1.033	1.009	0.999	1.008	1.008	0.999	1.003			
6/30/2013	1.116	1.045	0.999	0.982	0.999	1.003	1.001				
6/30/2014	1.088	1.020	1.017	1.008	1.010	1.002					
6/30/2015	1.106	1.034	1.029	1.006	0.996						
6/30/2016	1.081	1.042	0.973	1.017							
6/30/2017	1.157	1.082	1.020								
6/30/2018	1.079	1.088									
6/30/2019	1.192										
3 Yr Mean	1.143	1.071	1.007	1.010	1.002	1.004	1.007	1.000	1.002	1.002	1.002
Best 3/5	1.115	1.053	1.012	1.004	1.005	1.005	1.004	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			
6/30/2001	1.006	1.003	1.000	0.997	1.001	1.000	1.000	1.000			
6/30/2002	1.002	0.994	0.995	1.000	0.997	1.000	1.000	1.000 *			
6/30/2003	0.998	0.998	1.004	0.998	1.000	1.000	1.000 *	1.000 *			
6/30/2004	0.999	1.001	1.000	1.004	1.001	1.000 *	1.000 *	1.000 *			
6/30/2005	1.007	1.002	0.994	0.999	0.999 *	1.000 *	1.000 *	1.000 *			
6/30/2006	0.997	1.001	1.001								
6/30/2007	1.000	1.002									
6/30/2008	1.007										
3 Yr Mean	1.001	1.002	0.998	1.000	0.999 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.002	1.001	0.999	0.999	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2016					1.005	1.005	1.004	1.006	1.003	1.001	1.002
6/30/2017				1.004	1.005	1.005	1.004	1.006	1.003	1.001	1.002
6/30/2018			1.012	1.004	1.005	1.005	1.004	1.006	1.003	1.001	1.002
6/30/2019		1.053	1.012	1.004	1.005	1.005	1.004	1.006	1.003	1.001	1.002
6/30/2020	1.115	1.053	1.012	1.004	1.005	1.005	1.004	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/Ult	FACTORS
6/30/2016	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.027
6/30/2017	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.031
6/30/2018	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.044
6/30/2019	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.099
6/30/2020	1.002	1.001	0.999	0.999	1.000	1.000	1.000	1.000	1.000*	1.226

* 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>
6/30/2001	10,324,251	15,095,929	24,818,254	35,521,566	46,163,386	52,136,126	57,275,689	60,387,637	62,126,778	63,036,242	64,814,682
6/30/2002	7,552,704	14,762,911	21,202,582	28,118,144	34,253,296	39,148,787	41,637,392	42,840,822	44,252,740	44,487,683	45,026,699
6/30/2003	7,750,082	14,007,247	20,846,803	27,657,739	32,839,093	33,674,869	37,346,208	38,037,242	38,950,995	40,153,451	41,231,791
6/30/2004	6,705,511	13,432,281	21,347,905	28,747,210	32,675,644	35,546,356	36,497,103	37,785,126	39,051,360	39,857,831	40,422,868
6/30/2005	7,983,735	12,898,444	18,779,502	25,216,079	29,863,321	32,781,602	35,678,228	37,093,925	38,397,634	38,950,183	39,282,504
6/30/2006	7,850,944	13,756,864	21,476,024	27,586,514	32,834,968	37,036,688	39,455,795	41,501,330	42,918,565	44,119,558	45,080,596
6/30/2007	7,216,558	13,351,785	20,933,278	27,408,391	32,868,393	37,309,546	39,720,451	41,371,468	43,583,177	44,394,311	46,177,811
6/30/2008	8,870,063	16,807,502	25,587,841	32,668,710	38,335,614	40,166,056	42,062,247	44,936,222	46,876,865	47,472,424	48,464,361
6/30/2009	7,869,246	14,502,819	21,885,225	29,234,492	34,452,325	36,840,855	38,738,908	40,531,827	41,649,212	42,734,844	43,548,836
6/30/2010	8,784,323	17,648,371	23,522,667	31,103,486	35,292,669	37,151,064	40,343,486	41,359,070	42,870,069	43,686,767	44,075,445
6/30/2011	9,259,615	15,344,731	23,613,685	29,679,265	33,000,715	35,655,108	37,655,005	39,278,258	41,182,086	41,823,616	
6/30/2012	10,762,210	16,678,243	23,004,092	25,990,606	30,055,860	32,459,561	33,017,562	34,352,010	35,659,042		
6/30/2013	10,699,849	18,160,847	27,461,995	38,571,371	44,214,936	48,017,659	49,499,892	51,171,980			
6/30/2014	10,076,082	19,572,864	30,040,627	36,237,606	44,011,366	47,742,351	50,492,254				
6/30/2015	8,442,518	16,531,405	25,322,890	34,003,611	43,732,299	48,797,129					
6/30/2016	13,090,553	20,832,129	27,964,248	34,599,147	40,825,358						
6/30/2017	10,162,148	16,793,591	24,483,461	30,204,718							
6/30/2018	10,587,262	19,199,651	27,942,651								
6/30/2019	11,857,092	19,552,145									
6/30/2020	13,320,079										

<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>
6/30/2001	66,273,483	66,090,305	65,749,659	66,103,838	67,362,741	67,630,141	66,918,421	67,211,003	69,343,363
6/30/2002	45,713,864	45,933,527	46,910,616	47,141,174	47,170,573	47,485,117	48,195,279	48,438,531	
6/30/2003	42,201,069	43,256,384	43,501,751	43,972,902	44,350,562	44,539,855	45,005,912		
6/30/2004	40,866,282	41,237,279	43,168,856	43,699,362	44,517,809	45,458,388			
6/30/2005	39,582,440	40,556,830	40,872,434	40,915,943	41,179,692				
6/30/2006	46,163,141	47,127,527	47,680,207	48,055,197					
6/30/2007	46,225,464	46,571,291	46,511,770						
6/30/2008	49,425,225	49,830,999							
6/30/2009	44,177,534								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	4,771,678	9,722,325	10,703,312	10,641,820	5,972,740	5,139,563	3,111,948	1,739,141	909,464	1,778,440	1,458,801	-183,178	-340,646
6/30/2002	7,210,207	6,439,671	6,915,562	6,135,152	4,895,491	2,488,605	1,203,430	1,411,918	234,943	539,016	687,165	219,663	977,089
6/30/2003	6,257,165	6,839,556	6,810,936	5,181,354	835,776	3,671,339	691,034	913,753	1,202,456	1,078,340	969,278	1,055,315	245,367
6/30/2004	6,726,770	7,915,624	7,399,305	3,928,434	2,870,712	950,747	1,288,023	1,266,234	806,471	565,037	443,414	370,997	1,931,577
6/30/2005	4,914,709	5,881,058	6,436,577	4,647,242	2,918,281	2,896,626	1,415,697	1,303,709	552,549	332,321	299,936	974,390	315,604
6/30/2006	5,905,920	7,719,160	6,110,490	5,248,454	4,201,720	2,419,107	2,045,535	1,417,235	1,200,993	961,038	1,082,545	964,386	552,680
6/30/2007	6,135,227	7,581,493	6,475,113	5,460,002	4,441,153	2,410,905	1,651,017	2,211,709	811,134	1,783,500	47,653	345,827	-59,521
6/30/2008	7,937,439	8,780,339	7,080,869	5,666,904	1,830,442	1,896,191	2,873,975	1,940,643	595,559	991,937	960,864	405,774	
6/30/2009	6,633,573	7,382,406	7,349,267	5,217,833	2,388,530	1,898,053	1,792,919	1,117,385	1,085,632	813,992	628,698		
6/30/2010	8,864,048	5,874,296	7,580,819	4,189,183	1,858,395	3,192,422	1,015,584	1,510,999	816,698	388,678			
6/30/2011	6,085,116	8,268,954	6,065,580	3,321,450	2,654,393	1,999,897	1,623,253	1,903,828	641,530				
6/30/2012	5,916,033	6,325,849	2,986,514	4,065,254	2,403,701	558,001	1,334,448	1,307,032					
6/30/2013	7,460,998	9,301,148	11,109,376	5,643,565	3,802,723	1,482,233	1,672,088						
6/30/2014	9,496,782	10,467,763	6,196,979	7,773,760	3,730,985	2,749,903							
6/30/2015	8,088,887	8,791,485	6,680,721	9,728,688	5,064,830								
6/30/2016	7,741,576	7,132,119	6,634,899	6,226,211									
6/30/2017	6,631,443	7,689,870	5,721,257										
6/30/2018	8,612,389	8,743,000											
6/30/2019	7,695,053												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	0.0264	0.0537	0.0591	0.0588	0.0330	0.0284	0.0172	0.0096	0.0050	0.0098	0.0081	-0.0010	-0.0019
6/30/2002	0.0480	0.0429	0.0460	0.0408	0.0326	0.0166	0.0080	0.0094	0.0016	0.0036	0.0046	0.0015	0.0065
6/30/2003	0.0490	0.0536	0.0533	0.0406	0.0065	0.0288	0.0054	0.0072	0.0094	0.0084	0.0076	0.0083	0.0019
6/30/2004	0.0467	0.0550	0.0514	0.0273	0.0199	0.0066	0.0089	0.0088	0.0056	0.0039	0.0031	0.0026	0.0134
6/30/2005	0.0354	0.0424	0.0464	0.0335	0.0210	0.0209	0.0102	0.0094	0.0040	0.0024	0.0022	0.0070	0.0023
6/30/2006	0.0411	0.0537	0.0425	0.0365	0.0292	0.0168	0.0142	0.0099	0.0084	0.0067	0.0075	0.0067	0.0038
6/30/2007	0.0421	0.0520	0.0444	0.0374	0.0305	0.0165	0.0113	0.0152	0.0056	0.0122	0.0003	0.0024	-0.0004
6/30/2008	0.0474	0.0525	0.0423	0.0339	0.0109	0.0113	0.0172	0.0116	0.0036	0.0059	0.0057	0.0024	
6/30/2009	0.0414	0.0460	0.0458	0.0325	0.0149	0.0118	0.0112	0.0070	0.0068	0.0051	0.0039		
6/30/2010	0.0585	0.0388	0.0500	0.0276	0.0123	0.0211	0.0067	0.0100	0.0054	0.0026			
6/30/2011	0.0358	0.0487	0.0357	0.0195	0.0156	0.0118	0.0096	0.0112	0.0038				
6/30/2012	0.0350	0.0374	0.0177	0.0240	0.0142	0.0033	0.0079	0.0077					
6/30/2013	0.0440	0.0549	0.0656	0.0333	0.0224	0.0087	0.0099						
6/30/2014	0.0548	0.0604	0.0357	0.0448	0.0215	0.0159							
6/30/2015	0.0458	0.0498	0.0492	0.0551	0.0287								
6/30/2016	0.0426	0.0392	0.0365	0.0342									
6/30/2017	0.0346	0.0401	0.0298										
6/30/2018	0.0413	0.0419											
6/30/2019	0.0373												

Best 3/5	0.0404	0.0439	0.0405	0.0375	0.0199	0.0121	0.0091	0.0096	0.0049	0.0059	0.0039	0.0039	0.0027
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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
6/30/2001	13,828,313	19,193,806	22,315,359	22,827,830	23,196,019	23,124,692	23,875,756	24,369,668	23,847,819	23,733,645	23,841,278
6/30/2002	13,479,448	18,685,376	20,376,066	20,776,563	20,872,415	20,816,798	20,702,465	20,491,793	20,333,104	20,166,843	20,084,494
6/30/2003	13,300,450	15,393,503	17,194,272	18,471,738	18,047,084	18,463,077	17,589,930	17,919,262	18,074,753	17,881,111	17,928,123
6/30/2004	16,614,799	23,070,435	27,551,512	28,382,404	28,585,179	26,862,822	26,172,965	26,059,911	25,994,472	26,254,339	26,004,503
6/30/2005	17,670,071	21,866,910	24,609,720	25,784,103	25,175,671	25,033,516	25,088,099	25,352,177	25,395,727	25,304,485	25,287,295
6/30/2006	19,378,133	24,806,557	26,853,905	26,042,320	26,107,279	25,959,158	25,861,657	25,947,464	25,555,757	25,847,507	25,724,385
6/30/2007	18,098,104	21,521,291	23,867,806	24,456,665	23,637,349	23,417,720	23,233,336	23,575,180	23,322,000	23,298,342	23,234,673
6/30/2008	15,560,486	18,411,500	20,099,543	20,420,377	20,448,059	19,992,640	19,742,204	19,935,396	19,964,403	19,889,612	20,073,946
6/30/2009	13,802,303	17,911,641	19,668,281	19,829,756	20,085,679	20,076,846	19,675,744	19,506,115	19,334,737	19,347,425	19,202,621
6/30/2010	13,509,516	15,739,827	16,643,870	16,706,003	16,244,327	16,336,296	16,352,250	16,286,976	16,348,511	16,345,608	16,389,310
6/30/2011	12,160,894	13,862,054	15,012,248	13,859,574	14,025,712	14,119,272	14,436,959	14,424,194	14,479,119	14,541,741	
6/30/2012	5,575,473	6,828,902	7,418,288	8,366,925	7,963,691	8,413,141	8,372,162	8,588,734	8,644,382		
6/30/2013	6,065,386	7,234,946	7,807,475	8,481,477	8,666,479	8,830,057	8,895,854	8,982,406			
6/30/2014	5,448,114	8,237,511	9,814,069	10,050,836	10,021,408	10,084,090	9,978,936				
6/30/2015	7,354,207	9,951,600	10,425,985	11,513,226	11,419,717	11,333,480					
6/30/2016	6,905,379	8,525,378	9,339,267	9,446,421	9,804,755						
6/30/2017	6,059,041	8,222,398	9,275,414	9,614,647							
6/30/2018	7,395,033	8,830,836	10,743,307								
6/30/2019	5,291,569	5,976,541									
6/30/2020	4,913,212										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	23,670,015	23,622,712	23,865,648	23,758,485	23,765,648	23,745,639	23,845,623	23,846,623	23,845,623		
6/30/2002	20,205,523	20,149,412	20,128,881	20,159,701	20,147,197	20,147,197	20,147,197	20,355,029			
6/30/2003	17,739,860	17,635,096	17,735,096	17,743,096	17,743,096	17,843,096	18,056,657				
6/30/2004	26,083,147	26,105,799	26,088,147	26,088,150	26,098,147	26,371,009					
6/30/2005	25,187,295	25,126,315	25,121,315	25,121,315	25,121,315						
6/30/2006	25,677,490	25,563,324	25,575,672	25,559,844							
6/30/2007	23,230,423	23,242,923	23,230,423								
6/30/2008	20,082,743	20,088,243									
6/30/2009	19,202,621										

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
6/30/2001	1.388	1.163	1.023	1.016	0.997	1.032	1.021	0.979	0.995	1.005	0.993
6/30/2002	1.386	1.090	1.020	1.005	0.997	0.995	0.990	0.992	0.992	0.996	1.006
6/30/2003	1.157	1.117	1.074	0.977	1.023	0.953	1.019	1.009	0.989	1.003	0.989
6/30/2004	1.389	1.194	1.030	1.007	0.940	0.974	0.996	0.997	1.010	0.990	1.003
6/30/2005	1.238	1.125	1.048	0.976	0.994	1.002	1.011	1.002	0.996	0.999	0.996
6/30/2006	1.280	1.083	0.970	1.002	0.994	0.996	1.003	0.985	1.011	0.995	0.998
6/30/2007	1.189	1.109	1.025	0.966	0.991	0.992	1.015	0.989	0.999	0.997	1.000
6/30/2008	1.183	1.092	1.016	1.001	0.978	0.987	1.010	1.001	0.996	1.009	1.000
6/30/2009	1.298	1.098	1.008	1.013	1.000	0.980	0.991	0.991	1.001	0.993	1.000
6/30/2010	1.165	1.057	1.004	0.972	1.006	1.001	0.996	1.004	1.000	1.003	
6/30/2011	1.140	1.083	0.923	1.012	1.007	1.023	0.999	1.004	1.004		
6/30/2012	1.225	1.086	1.128	0.952	1.056	0.995	1.026	1.006			
6/30/2013	1.193	1.079	1.086	1.022	1.019	1.007	1.010				
6/30/2014	1.512	1.191	1.024	0.997	1.006	0.990					
6/30/2015	1.353	1.048	1.104	0.992	0.992						
6/30/2016	1.235	1.095	1.011	1.038							
6/30/2017	1.357	1.128	1.037								
6/30/2018	1.194	1.217									
6/30/2019	1.129										
3 Yr Mean	1.227	1.147	1.051	1.009	1.006	0.997	1.012	1.005	1.002	1.002	1.000
Best 3/5	1.261	1.138	1.049	1.004	1.011	1.001	1.002	1.003	1.000	0.998	0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	0.998	1.010	0.996	1.000	0.999	1.004	1.000	1.000
6/30/2002	0.997	0.999	1.002	0.999	1.000	1.000	1.010	1.003 *
6/30/2003	0.994	1.006	1.000	1.000	1.006	1.012	1.003 *	1.003 *
6/30/2004	1.001	0.999	1.000	1.000	1.010	1.002 *	1.003 *	1.003 *
6/30/2005	0.998	1.000	1.000	1.000	1.000 *	1.002 *	1.003 *	1.003 *
6/30/2006	0.996	1.000	0.999					
6/30/2007	1.001	0.999						
6/30/2008	1.000							

3 Yr Mean 0.999 1.000 1.000 1.000 1.000 1.005 @ 1.005 @ 1.005 @ 1.000 @

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2016					1.011	1.001	1.002	1.003	1.000	0.998	0.999
6/30/2017				1.004	1.011	1.001	1.002	1.003	1.000	0.998	0.999
6/30/2018			1.049	1.004	1.011	1.001	1.002	1.003	1.000	0.998	0.999
6/30/2019		1.138	1.049	1.004	1.011	1.001	1.002	1.003	1.000	0.998	0.999
6/30/2020	1.261	1.138	1.049	1.004	1.011	1.001	1.002	1.003	1.000	0.998	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.038
6/30/2017	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.042
6/30/2018	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.093
6/30/2019	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.244
6/30/2020	1.000	1.000	1.000	1.000	1.002	1.003	1.003	1.003	1.012*	1.568

* 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

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
6/30/2001	4,309,549	9,206,474	12,795,086	15,745,554	16,790,731	17,505,263	18,397,591	20,378,668	20,130,967	20,352,026	20,541,429
6/30/2002	4,984,513	9,687,587	13,413,663	14,587,521	15,366,820	16,543,230	17,864,230	17,382,863	17,470,502	17,382,127	17,452,126
6/30/2003	2,959,983	5,180,814	7,561,231	10,808,647	11,405,007	13,594,565	13,106,738	13,898,961	14,755,492	15,146,720	15,325,650
6/30/2004	3,865,400	7,042,791	11,877,415	17,912,721	27,167,171	30,397,731	26,554,579	26,451,504	27,543,921	27,650,932	28,954,743
6/30/2005	3,998,704	7,800,488	13,454,277	17,623,648	19,425,865	21,566,428	22,536,695	22,786,146	23,187,974	24,394,524	24,421,040
6/30/2006	3,754,587	6,935,180	13,100,485	16,779,000	19,396,002	21,328,751	21,409,904	21,934,332	22,089,262	21,970,643	22,223,240
6/30/2007	5,013,164	6,607,748	9,606,489	12,452,698	14,807,558	16,189,986	16,766,310	17,672,924	17,884,831	17,871,247	17,428,473
6/30/2008	3,378,819	8,342,973	13,854,258	16,079,414	17,575,380	18,833,104	19,160,826	20,000,666	20,283,987	20,364,843	20,412,751
6/30/2009	5,353,947	8,183,404	12,540,520	16,713,365	18,982,468	21,335,529	21,710,898	21,954,492	22,832,418	23,426,104	23,257,750
6/30/2010	3,604,429	7,451,733	10,858,328	13,108,616	15,260,243	15,710,382	16,276,570	16,384,441	16,778,062	16,786,986	16,840,219
6/30/2011	2,961,790	5,614,605	12,453,299	16,408,639	19,930,923	20,655,579	22,889,146	22,646,556	22,892,570	22,941,221	
6/30/2012	1,072,834	3,951,982	6,988,967	11,149,823	11,446,708	12,760,743	13,447,851	13,374,512	13,476,124		
6/30/2013	1,955,496	4,265,807	8,359,148	10,119,702	11,137,812	11,436,579	12,181,619	12,855,698			
6/30/2014	1,824,635	5,013,547	9,234,473	11,032,644	15,653,271	15,988,155	16,882,290				
6/30/2015	2,762,934	5,122,974	8,505,429	11,973,443	12,645,589	12,812,827					
6/30/2016	1,976,839	5,910,018	8,186,423	11,189,301	12,623,152						
6/30/2017	1,092,423	3,165,269	4,704,331	7,155,007							
6/30/2018	3,497,835	5,882,065	7,393,815								
6/30/2019	1,018,166	1,665,329									
6/30/2020	746,296										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	20,540,309	20,792,708	22,103,264	21,054,081	21,042,665	20,957,124	21,007,112	21,186,691	21,304,557
6/30/2002	17,511,216	17,542,115	17,679,784	17,721,027	17,732,033	17,732,033	17,732,033	17,732,033	
6/30/2003	15,661,940	15,680,172	15,680,172	15,680,172	15,680,178	15,886,163	15,886,163		
6/30/2004	28,690,361	28,783,814	29,376,593	29,376,593	29,378,932	29,382,229			
6/30/2005	24,485,342	24,499,297	24,506,635	24,526,784	24,526,784				
6/30/2006	22,841,401	22,235,978	22,237,544	22,266,002					
6/30/2007	17,431,616	17,453,151	17,456,693						
6/30/2008	20,407,603	20,480,755							
6/30/2009	23,249,163								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	4,896,925	3,588,612	2,950,468	1,045,177	714,532	892,328	1,981,077	-247,701	221,059	189,403	-1,120	252,399	1,310,556
6/30/2002	4,703,074	3,726,076	1,173,858	779,299	1,176,410	1,321,000	-481,367	87,639	-88,375	69,999	59,090	30,899	137,669
6/30/2003	2,220,831	2,380,417	3,247,416	596,360	2,189,558	-487,827	792,223	856,531	391,228	178,930	336,290	18,232	0
6/30/2004	3,177,391	4,834,624	6,035,306	9,254,450	3,230,560	-3,843,152	-103,075	1,092,417	107,011	1,303,811	-264,382	93,453	592,779
6/30/2005	3,801,784	5,653,789	4,169,371	1,802,217	2,140,563	970,267	249,451	401,828	1,206,550	26,516	64,302	13,955	7,338
6/30/2006	3,180,593	6,165,305	3,678,515	2,617,002	1,932,749	81,153	524,428	154,930	-118,619	252,597	618,161	-605,423	1,566
6/30/2007	1,594,584	2,998,741	2,846,209	2,354,860	1,382,428	576,324	906,614	211,907	-13,584	-442,774	3,143	21,535	3,542
6/30/2008	4,964,154	5,511,285	2,225,156	1,495,966	1,257,724	327,722	839,840	283,321	80,856	47,908	-5,148	73,152	
6/30/2009	2,829,457	4,357,116	4,172,845	2,269,103	2,353,061	375,369	243,594	877,926	593,686	-168,354	-8,587		
6/30/2010	3,847,304	3,406,595	2,250,288	2,151,627	450,139	566,188	107,871	393,621	8,924	53,233			
6/30/2011	2,652,815	6,838,694	3,955,340	3,522,284	724,656	2,233,567	-242,590	246,014	48,651				
6/30/2012	2,879,148	3,036,985	4,160,856	296,885	1,314,035	687,108	-73,339	101,612					
6/30/2013	2,310,311	4,093,341	1,760,554	1,018,110	298,767	745,040	674,079						
6/30/2014	3,188,912	4,220,926	1,798,171	4,620,627	334,884	894,135							
6/30/2015	2,360,040	3,382,455	3,382,455	672,146	167,238								
6/30/2016	3,933,179	2,276,405	3,002,878	1,433,851									
6/30/2017	2,072,846	1,539,062	2,450,676										
6/30/2018	2,384,230	1,511,750											
6/30/2019	647,163												

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
6/30/2001	0.1294	0.0948	0.0779	0.0276	0.0189	0.0236	0.0523	-0.0065	0.0058	0.0050	0.0000	0.0067	0.0346
6/30/2002	0.1467	0.1163	0.0366	0.0243	0.0367	0.0412	-0.0150	0.0027	-0.0028	0.0022	0.0018	0.0010	0.0043
6/30/2003	0.0797	0.0854	0.1165	0.0214	0.0785	-0.0175	0.0284	0.0307	0.0140	0.0064	0.0121	0.0007	0.0000
6/30/2004	0.0761	0.1158	0.1445	0.2216	0.0774	-0.0920	-0.0025	0.0262	0.0026	0.0312	-0.0063	0.0022	0.0142
6/30/2005	0.0950	0.1413	0.1042	0.0450	0.0535	0.0242	0.0062	0.0100	0.0301	0.0007	0.0016	0.0003	0.0002
6/30/2006	0.0718	0.1391	0.0830	0.0591	0.0436	0.0018	0.0118	0.0035	-0.0027	0.0057	0.0139	-0.0137	0.0000
6/30/2007	0.0405	0.0762	0.0723	0.0598	0.0351	0.0146	0.0230	0.0054	-0.0003	-0.0113	0.0001	0.0005	0.0001
6/30/2008	0.1580	0.1754	0.0708	0.0476	0.0400	0.0104	0.0267	0.0090	0.0026	0.0015	-0.0002	0.0023	
6/30/2009	0.0846	0.1303	0.1248	0.0679	0.0704	0.0112	0.0073	0.0263	0.0178	-0.0050	-0.0003		
6/30/2010	0.1612	0.1428	0.0943	0.0902	0.0189	0.0237	0.0045	0.0165	0.0004	0.0022			
6/30/2011	0.1104	0.2846	0.1646	0.1466	0.0302	0.0930	-0.0101	0.0102	0.0020				
6/30/2012	0.1852	0.1954	0.2677	0.0191	0.0845	0.0442	-0.0047	0.0065					
6/30/2013	0.1558	0.2761	0.1187	0.0687	0.0202	0.0502	0.0455						
6/30/2014	0.1794	0.2375	0.1012	0.2600	0.0188	0.0503							
6/30/2015	0.1082	0.1550	0.1589	0.0308	0.0077								
6/30/2016	0.1856	0.1074	0.1417	0.0677									
6/30/2017	0.1263	0.0937	0.1493										
6/30/2018	0.1191	0.0755											
6/30/2019	0.0580												

Best 3/5	0.1178	0.1187	0.1366	0.0557	0.0230	0.0483	0.0024	0.0119	0.0017	-0.0004	0.0005	0.0010	0.0001
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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
6/30/2001	228,368,847	291,830,462	325,884,508	342,826,435	343,209,295	337,156,112	335,284,866	333,270,618	332,394,093	331,358,326	331,194,964
6/30/2002	206,707,575	259,159,418	310,847,617	323,917,879	320,351,025	316,755,730	313,958,784	312,917,829	312,341,683	311,656,250	311,985,372
6/30/2003	219,427,098	295,541,185	353,256,932	359,512,299	351,425,621	345,117,660	343,207,600	340,303,463	339,124,650	338,922,393	338,971,944
6/30/2004	246,119,410	331,729,804	358,880,460	363,847,253	359,273,435	355,614,057	353,297,192	351,849,907	351,592,995	351,060,487	350,739,260
6/30/2005	256,313,597	298,084,771	337,388,353	342,274,873	343,242,170	337,632,415	335,259,569	334,126,763	332,936,398	333,425,021	333,584,492
6/30/2006	236,825,926	310,757,408	348,082,141	359,883,961	354,716,495	348,176,883	344,876,680	343,818,912	343,246,781	343,256,635	342,934,690
6/30/2007	263,415,983	337,354,450	375,414,481	381,557,349	374,860,466	369,348,156	367,004,973	365,059,245	364,078,347	363,975,952	364,073,013
6/30/2008	280,745,397	353,194,615	396,281,671	401,933,189	395,948,434	390,672,018	388,516,043	386,912,775	386,720,786	386,070,927	385,746,092
6/30/2009	293,899,560	375,601,397	415,031,078	416,211,199	410,040,153	407,380,624	403,929,704	401,915,887	400,973,467	400,684,979	401,469,608
6/30/2010	317,519,644	400,231,452	448,498,403	450,546,903	444,163,561	439,547,140	436,248,773	434,981,640	434,281,107	434,048,678	434,441,678
6/30/2011	345,673,621	438,178,378	486,282,402	494,085,317	485,683,785	480,428,747	476,616,019	474,771,947	474,561,550	474,079,244	
6/30/2012	292,186,814	372,926,636	417,375,903	418,211,326	416,280,763	412,956,249	411,835,160	412,200,108	411,042,082		
6/30/2013	291,938,059	372,926,868	406,894,067	414,255,395	415,581,850	414,312,672	414,063,117	412,593,878			
6/30/2014	321,643,826	408,847,520	467,444,907	500,542,065	501,008,461	502,134,028	498,172,294				
6/30/2015	283,169,349	386,445,787	467,620,685	496,961,769	504,149,268	501,635,191					
6/30/2016	265,263,559	380,138,283	455,789,390	489,225,545	492,659,018						
6/30/2017	288,093,444	413,022,238	505,129,127	535,823,919							
6/30/2018	332,123,476	469,702,477	556,027,619								
6/30/2019	313,999,138	446,995,781									
6/30/2020	241,595,327										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	331,479,483	331,414,767	331,721,832	332,011,405	332,050,663	331,934,884	331,913,713	331,945,187	332,101,075
6/30/2002	311,703,102	311,928,657	312,416,551	311,991,765	312,158,319	312,118,351	312,231,084	312,233,405	
6/30/2003	338,997,026	339,099,511	339,226,628	339,194,362	339,192,717	339,554,015	339,925,034		
6/30/2004	351,108,179	351,051,419	351,069,861	350,960,889	351,152,004	351,157,208			
6/30/2005	333,523,797	333,428,747	333,707,199	334,193,877	334,233,318				
6/30/2006	342,664,740	342,496,758	342,726,107	343,193,609					
6/30/2007	363,954,665	364,513,266	364,743,126						
6/30/2008	386,038,255	386,218,582							
6/30/2009	401,385,830								

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
6/30/2001	1.278	1.117	1.052	1.001	0.982	0.994	0.994	0.997	0.997	1.000	1.001
6/30/2002	1.254	1.199	1.042	0.989	0.989	0.991	0.997	0.998	0.998	1.001	0.999
6/30/2003	1.347	1.195	1.018	0.978	0.982	0.994	0.992	0.997	0.999	1.000	1.000
6/30/2004	1.348	1.082	1.014	0.987	0.990	0.993	0.996	0.999	0.998	0.999	1.001
6/30/2005	1.163	1.132	1.014	1.003	0.984	0.993	0.997	0.996	1.001	1.000	1.000
6/30/2006	1.312	1.120	1.034	0.986	0.982	0.991	0.997	0.998	1.000	0.999	0.999
6/30/2007	1.281	1.113	1.016	0.982	0.985	0.994	0.995	0.997	1.000	1.000	1.000
6/30/2008	1.258	1.122	1.014	0.985	0.987	0.994	0.996	1.000	0.998	0.999	1.001
6/30/2009	1.278	1.105	1.003	0.985	0.984	0.992	0.995	0.998	0.999	1.002	1.000
6/30/2010	1.260	1.121	1.005	0.986	0.990	0.992	0.997	0.998	0.999	1.001	
6/30/2011	1.268	1.110	1.016	0.983	0.989	0.992	0.996	1.000	0.999		
6/30/2012	1.276	1.119	1.002	0.995	0.992	0.997	1.001	0.997			
6/30/2013	1.277	1.091	1.018	1.003	0.997	0.999	0.996				
6/30/2014	1.271	1.143	1.071	1.001	1.002	0.992					
6/30/2015	1.365	1.210	1.063	1.014	0.995						
6/30/2016	1.433	1.199	1.073	1.007							
6/30/2017	1.434	1.223	1.061								
6/30/2018	1.414	1.184									
6/30/2019	1.424										
3 Yr Mean	1.424	1.202	1.066	1.007	0.998	0.996	0.998	0.998	0.999	1.001	1.000
Best 3/5	1.424	1.198	1.065	1.004	0.995	0.994	0.996	0.999	0.999	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
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	1.001	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	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2006	1.000	1.001	1.001					
6/30/2007	1.002	1.001						
6/30/2008	1.000							
3 Yr Mean	1.001	1.001	1.001	1.000	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000	1.001	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

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
6/30/2016					0.995	0.994	0.996	0.999	0.999	1.000	1.000
6/30/2017				1.004	0.995	0.994	0.996	0.999	0.999	1.000	1.000
6/30/2018			1.065	1.004	0.995	0.994	0.996	0.999	0.999	1.000	1.000
6/30/2019		1.198	1.065	1.004	0.995	0.994	0.996	0.999	0.999	1.000	1.000
6/30/2020	1.424	1.198	1.065	1.004	0.995	0.994	0.996	0.999	0.999	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.984
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.988
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.052
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.261
6/30/2020	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.795

* 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
6/30/2001	12,135,349	15,969,530	18,953,419	18,696,580	18,684,171	19,220,788	19,275,823	19,200,225	19,246,166	19,158,759	19,258,758
6/30/2002	11,524,038	16,880,235	16,503,165	16,860,562	17,678,874	17,307,495	17,501,383	17,233,128	17,399,653	17,309,440	17,309,439
6/30/2003	16,780,283	18,432,101	20,778,257	21,852,692	22,239,549	21,685,591	21,316,010	21,155,532	21,082,189	21,143,730	21,234,451
6/30/2004	17,760,451	25,498,266	23,926,805	25,901,501	24,769,870	24,112,977	23,381,105	23,263,358	23,092,632	23,254,166	23,286,039
6/30/2005	15,603,327	24,746,490	24,843,580	22,808,296	21,240,592	20,464,151	20,052,004	19,852,570	19,847,570	19,731,596	19,731,593
6/30/2006	15,330,931	18,855,878	21,328,280	21,080,145	20,593,167	20,656,909	20,842,102	20,807,212	21,024,610	20,946,404	20,916,404
6/30/2007	15,536,810	20,710,638	23,906,559	24,521,843	23,835,517	23,159,657	22,878,189	22,985,731	22,975,527	22,976,026	22,931,026
6/30/2008	17,840,817	22,078,008	24,769,300	24,823,181	24,565,963	24,023,877	24,083,748	23,994,031	23,845,696	23,835,510	23,755,223
6/30/2009	16,804,627	20,603,742	21,239,089	23,042,133	22,405,106	22,085,157	22,111,385	21,964,549	21,999,771	21,968,917	21,966,012
6/30/2010	13,187,650	13,676,062	16,357,774	16,944,041	17,561,181	17,149,857	17,208,463	17,073,479	17,001,226	17,112,573	17,070,903
6/30/2011	11,573,324	15,495,294	17,315,505	18,069,213	18,014,165	17,760,209	17,805,341	17,605,476	17,607,743	17,583,316	
6/30/2012	11,401,112	14,549,692	16,439,733	16,670,433	16,881,381	16,640,741	16,780,118	17,154,554	16,939,220		
6/30/2013	11,505,453	14,886,733	16,183,776	16,860,156	17,298,447	17,138,869	17,128,799	16,826,385			
6/30/2014	14,619,911	17,327,117	19,804,815	21,100,676	21,643,177	21,830,406	21,965,799				
6/30/2015	13,860,012	18,629,432	23,004,075	25,261,565	25,560,750	25,438,454					
6/30/2016	15,619,313	20,601,444	25,073,935	26,091,633	25,948,677						
6/30/2017	14,080,837	21,338,329	28,194,326	29,204,066							
6/30/2018	16,622,176	25,984,324	31,022,546								
6/30/2019	18,540,174	26,134,396									
6/30/2020	18,304,619										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	19,243,758	19,248,759	19,248,758	19,148,758	19,148,758	19,248,758	19,248,760	19,249,758	19,249,758		
6/30/2002	17,359,438	17,514,937	17,501,398	17,726,557	17,770,963	17,771,248	17,771,248	17,771,248			
6/30/2003	21,135,502	21,136,634	21,129,941	21,129,941	21,145,941	21,145,941	21,145,941				
6/30/2004	23,262,229	23,284,730	23,334,729	23,334,729	23,334,729	23,316,777					
6/30/2005	19,736,593	19,731,593	19,731,593	19,788,038	19,788,038						
6/30/2006	20,916,404	20,916,404	20,916,404	20,918,933							
6/30/2007	22,813,856	22,813,956	22,813,958								
6/30/2008	23,755,123	23,771,906									
6/30/2009	21,966,012										

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
6/30/2001	1.316	1.187	0.986	0.999	1.029	1.003	0.996	1.002	0.995	1.005	0.999
6/30/2002	1.465	0.978	1.022	1.049	0.979	1.011	0.985	1.010	0.995	1.000	1.003
6/30/2003	1.098	1.127	1.052	1.018	0.975	0.983	0.992	0.997	1.003	1.004	0.995
6/30/2004	1.436	0.938	1.083	0.956	0.973	0.970	0.995	0.993	1.007	1.001	0.999
6/30/2005	1.586	1.004	0.918	0.931	0.963	0.980	0.990	1.000	0.994	1.000	1.000
6/30/2006	1.230	1.131	0.988	0.977	1.003	1.009	0.998	1.010	0.996	0.999	1.000
6/30/2007	1.333	1.154	1.026	0.972	0.972	0.988	1.005	1.000	1.000	0.998	0.995
6/30/2008	1.237	1.122	1.002	0.990	0.978	1.002	0.996	0.994	1.000	0.997	1.000
6/30/2009	1.226	1.031	1.085	0.972	0.986	1.001	0.993	1.002	0.999	1.000	1.000
6/30/2010	1.037	1.196	1.036	1.036	0.977	1.003	0.992	0.996	1.007	0.998	
6/30/2011	1.339	1.117	1.044	0.997	0.986	1.003	0.989	1.000	0.999		
6/30/2012	1.276	1.130	1.014	1.013	0.986	1.008	1.022	0.987			
6/30/2013	1.294	1.087	1.042	1.026	0.991	0.999	0.982				
6/30/2014	1.185	1.143	1.065	1.026	1.009	1.006					
6/30/2015	1.344	1.235	1.098	1.012	0.995						
6/30/2016	1.319	1.217	1.041	0.995							
6/30/2017	1.515	1.321	1.036								
6/30/2018	1.563	1.194									
6/30/2019	1.410										
3 Yr Mean	1.496	1.244	1.058	1.011	0.998	1.004	0.998	0.994	1.002	0.998	0.998
Best 3/5	1.423	1.215	1.049	1.017	0.991	1.004	0.991	0.997	1.000	0.998	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.000	1.000	0.995	1.000	1.005	1.000	1.000	1.000
6/30/2002	1.009	0.999	1.013	1.003	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	0.999	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.003	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2006	1.000	1.000	1.000					
6/30/2007	1.000	1.000						
6/30/2008	1.001							
3 Yr Mean	1.000	1.000	1.001	1.000	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000	1.000	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2016					0.991	1.004	0.991	0.997	1.000	0.998	1.000
6/30/2017				1.017	0.991	1.004	0.991	0.997	1.000	0.998	1.000
6/30/2018			1.049	1.017	0.991	1.004	0.991	0.997	1.000	0.998	1.000
6/30/2019		1.215	1.049	1.017	0.991	1.004	0.991	0.997	1.000	0.998	1.000
6/30/2020	1.423	1.215	1.049	1.017	0.991	1.004	0.991	0.997	1.000	0.998	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
6/30/2017	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.999
6/30/2018	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.048
6/30/2019	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.273
6/30/2020	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.811

* 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

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
6/30/2001	34,672,646	60,247,248	87,951,491	105,219,933	117,232,685	127,757,326	130,619,726	132,607,838	133,823,472	136,359,672	137,768,354
6/30/2002	32,307,827	54,309,544	89,626,529	109,335,973	128,949,925	133,778,616	138,892,387	141,007,060	141,396,356	142,833,648	142,638,986
6/30/2003	32,921,770	63,848,368	99,791,097	131,236,707	145,896,018	150,357,193	153,874,009	155,286,773	156,990,802	158,410,567	158,495,459
6/30/2004	31,534,847	64,218,922	104,502,247	130,224,151	139,335,687	145,350,363	147,523,928	149,049,465	149,788,440	150,957,543	151,847,247
6/30/2005	30,299,490	63,839,803	102,958,826	129,485,350	142,556,985	147,966,237	151,195,230	153,235,812	154,489,505	156,003,911	156,614,556
6/30/2006	24,840,739	63,354,136	101,323,759	129,633,439	141,172,041	148,393,073	151,254,266	151,939,389	153,523,921	154,826,890	155,367,428
6/30/2007	26,539,226	67,970,138	108,062,908	139,940,826	154,177,927	160,326,824	162,893,622	164,178,285	167,266,454	168,078,750	168,693,613
6/30/2008	25,918,032	66,404,767	119,363,524	155,653,875	173,376,597	181,846,866	185,978,460	188,431,225	189,377,380	188,919,866	189,555,106
6/30/2009	32,539,830	75,378,293	123,658,704	165,353,816	180,986,207	189,119,862	193,275,377	196,614,186	198,542,970	198,976,320	205,224,014
6/30/2010	38,051,940	82,869,261	141,566,979	173,995,935	191,399,748	201,034,281	204,507,834	205,954,049	208,981,165	210,105,961	211,196,491
6/30/2011	44,568,386	98,163,738	159,793,238	200,471,995	218,936,071	227,316,780	231,347,792	232,655,909	232,484,028	233,814,659	
6/30/2012	39,078,532	85,865,774	143,398,135	182,684,946	204,096,287	213,462,747	218,274,395	220,581,642	221,069,791		
6/30/2013	39,777,020	90,024,546	144,250,028	187,251,094	209,643,280	217,520,533	220,457,329	222,198,129			
6/30/2014	47,546,622	105,052,227	172,079,613	222,176,643	245,267,579	258,400,497	264,478,453				
6/30/2015	42,067,539	98,734,987	166,459,074	213,796,917	235,938,447	243,984,324					
6/30/2016	42,391,092	102,247,555	169,993,067	215,327,295	235,285,391						
6/30/2017	42,862,910	96,597,669	164,820,097	208,521,382							
6/30/2018	45,939,163	106,720,677	178,132,668								
6/30/2019	42,200,992	97,735,629									
6/30/2020	32,485,455										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	137,611,991	138,517,823	139,732,335	141,302,533	141,737,199	141,635,622	141,620,592	142,304,135	142,512,722
6/30/2002	143,026,883	144,452,872	144,810,170	145,464,048	145,586,815	145,894,858	145,989,094	146,207,825	
6/30/2003	159,503,331	160,013,153	160,523,443	160,420,551	160,835,895	160,788,901	161,060,677		
6/30/2004	152,490,659	153,323,602	153,669,774	154,327,611	154,114,096	154,354,242			
6/30/2005	156,430,457	156,833,507	158,490,147	160,279,182	161,703,911				
6/30/2006	156,181,204	156,265,043	156,601,892	156,910,974					
6/30/2007	168,542,236	168,785,970	168,993,009						
6/30/2008	189,931,411	190,601,959							
6/30/2009	205,673,075								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	25,574,602	27,704,243	17,268,442	12,012,752	10,524,641	2,862,400	1,988,112	1,215,634	2,536,200	1,408,682	-156,363	905,832	1,214,512
6/30/2002	22,001,717	35,316,985	19,709,444	19,613,952	4,828,691	5,113,771	2,114,673	389,296	1,437,292	-194,662	387,897	1,425,989	357,298
6/30/2003	30,926,598	35,942,729	31,445,610	14,659,311	4,461,175	3,516,816	1,412,764	1,704,029	1,419,765	84,892	1,007,872	509,822	510,290
6/30/2004	32,684,075	40,283,325	25,721,904	9,111,536	6,014,676	2,173,565	1,525,537	738,975	1,169,103	889,704	643,412	832,943	346,172
6/30/2005	33,540,313	39,119,023	26,526,524	13,071,635	5,409,252	3,228,993	2,040,582	1,253,693	1,514,406	610,645	-184,099	403,050	1,656,640
6/30/2006	38,513,397	37,969,623	28,309,680	11,538,602	7,221,032	2,861,193	685,123	1,584,532	1,302,969	540,538	813,776	83,839	336,849
6/30/2007	41,430,912	40,092,770	31,877,918	14,237,101	6,148,897	2,566,798	1,284,663	3,088,169	812,296	614,863	-151,377	243,734	207,039
6/30/2008	40,486,735	52,958,757	36,290,351	17,722,722	8,470,269	4,131,594	2,452,765	946,155	-457,514	635,240	376,305	670,548	
6/30/2009	42,838,463	48,280,411	41,695,112	15,632,391	8,133,655	4,155,515	3,338,809	1,928,784	433,350	6,247,694	449,061		
6/30/2010	44,817,321	58,697,718	32,428,956	17,403,813	9,634,533	3,473,553	1,446,215	3,027,116	1,124,796	1,090,530			
6/30/2011	53,595,352	61,629,500	40,678,757	18,464,076	8,380,709	4,031,012	1,308,117	-171,881	1,330,631				
6/30/2012	46,787,242	57,532,361	39,286,811	21,411,341	9,366,460	4,811,648	2,307,247	488,149					
6/30/2013	50,247,526	54,225,482	43,001,066	22,392,186	7,877,253	2,936,796	1,740,800						
6/30/2014	57,505,605	67,027,386	50,097,030	23,090,936	13,132,918	6,077,956							
6/30/2015	56,667,448	67,724,087	47,337,843	22,141,530	8,045,877								
6/30/2016	59,856,463	67,745,512	45,334,228	19,958,096									
6/30/2017	53,734,759	68,222,428	43,701,285										
6/30/2018	60,781,514	71,411,991											
6/30/2019	55,534,637												

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
6/30/2001	0.0530	0.0574	0.0358	0.0249	0.0218	0.0059	0.0041	0.0025	0.0053	0.0029	-0.0003	0.0019	0.0025
6/30/2002	0.0475	0.0762	0.0425	0.0423	0.0104	0.0110	0.0046	0.0008	0.0031	-0.0004	0.0008	0.0031	0.0008
6/30/2003	0.0617	0.0718	0.0628	0.0293	0.0089	0.0070	0.0028	0.0034	0.0028	0.0002	0.0020	0.0010	0.0010
6/30/2004	0.0643	0.0792	0.0506	0.0179	0.0118	0.0043	0.0030	0.0015	0.0023	0.0017	0.0013	0.0016	0.0007
6/30/2005	0.0674	0.0787	0.0533	0.0263	0.0109	0.0065	0.0041	0.0025	0.0030	0.0012	-0.0004	0.0008	0.0033
6/30/2006	0.0753	0.0742	0.0554	0.0226	0.0141	0.0056	0.0013	0.0031	0.0025	0.0011	0.0016	0.0002	0.0007
6/30/2007	0.0748	0.0724	0.0575	0.0257	0.0111	0.0046	0.0023	0.0056	0.0015	0.0011	-0.0003	0.0004	0.0004
6/30/2008	0.0681	0.0891	0.0610	0.0298	0.0142	0.0069	0.0041	0.0016	-0.0008	0.0011	0.0006	0.0011	
6/30/2009	0.0698	0.0787	0.0679	0.0255	0.0133	0.0068	0.0054	0.0031	0.0007	0.0102	0.0007		
6/30/2010	0.0667	0.0874	0.0483	0.0259	0.0143	0.0052	0.0022	0.0045	0.0017	0.0016			
6/30/2011	0.0740	0.0851	0.0562	0.0255	0.0116	0.0056	0.0018	-0.0002	0.0018				
6/30/2012	0.0701	0.0862	0.0588	0.0321	0.0140	0.0072	0.0035	0.0007					
6/30/2013	0.0754	0.0814	0.0645	0.0336	0.0118	0.0044	0.0026						
6/30/2014	0.0713	0.0832	0.0622	0.0286	0.0163	0.0075							
6/30/2015	0.0697	0.0833	0.0582	0.0272	0.0099								
6/30/2016	0.0723	0.0818	0.0548	0.0241									
6/30/2017	0.0605	0.0768	0.0492										
6/30/2018	0.0606	0.0712											
6/30/2019	0.0569												

Best 3/5	0.0636	0.0806	0.0584	0.0293	0.0125	0.0060	0.0027	0.0018	0.0013	0.0013	0.0004	0.0008	0.0008
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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
6/30/2001	37,784,048	37,550,360	42,718,341	43,085,286	43,504,448	43,295,916	43,769,737	43,919,920	44,160,880	44,686,722	45,094,612
6/30/2002	30,178,360	35,299,111	36,430,150	37,792,161	38,214,780	38,854,999	39,615,871	39,885,567	40,332,073	40,483,477	40,805,473
6/30/2003	31,778,706	33,798,744	36,196,632	35,942,924	38,485,028	38,648,946	38,628,945	38,946,447	38,563,873	39,006,218	39,259,089
6/30/2004	29,171,280	33,269,025	34,425,386	35,769,330	37,576,318	37,877,539	37,732,758	37,833,716	37,932,155	38,140,820	38,330,277
6/30/2005	28,532,105	30,141,076	33,423,258	34,191,463	34,569,787	34,879,927	34,984,389	35,248,900	35,588,210	36,078,703	35,936,116
6/30/2006	27,123,559	29,376,824	31,129,766	31,730,595	32,196,925	33,010,373	33,328,163	33,430,508	33,671,322	33,498,326	33,474,252
6/30/2007	28,311,974	31,384,380	33,606,376	34,047,633	34,821,643	34,943,824	35,244,821	35,666,607	36,406,297	36,334,235	36,432,925
6/30/2008	33,074,748	36,520,028	37,983,097	38,011,954	38,608,224	39,394,718	39,722,778	39,660,004	39,866,932	40,246,614	40,202,455
6/30/2009	36,094,653	37,248,889	39,165,290	39,485,652	39,556,138	40,020,138	39,865,602	39,873,561	40,119,651	40,471,792	40,613,847
6/30/2010	35,745,687	40,333,407	42,174,915	43,039,795	43,818,362	43,862,095	43,828,822	43,833,795	44,106,320	44,118,035	44,236,095
6/30/2011	42,510,872	46,252,503	47,066,231	47,463,408	47,559,314	47,935,291	48,251,209	48,740,094	48,634,174	48,821,702	
6/30/2012	41,610,162	44,804,193	46,814,168	47,239,269	47,699,667	47,713,619	48,362,991	48,438,563	48,405,891		
6/30/2013	38,565,856	42,587,841	44,115,508	45,908,598	46,324,442	47,005,209	47,868,996	47,920,892			
6/30/2014	45,297,661	47,929,984	49,580,292	51,614,828	51,747,995	52,056,233	52,230,508				
6/30/2015	43,309,788	47,176,986	48,749,068	51,754,236	53,565,775	53,474,516					
6/30/2016	36,366,294	42,135,997	46,979,127	47,329,641	48,659,983						
6/30/2017	40,193,349	45,598,493	49,496,669	51,863,431							
6/30/2018	40,974,126	51,112,949	55,770,043								
6/30/2019	44,538,471	51,908,959									
6/30/2020	38,660,484										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	45,125,816	45,318,587	45,432,241	45,405,916	45,532,021	45,606,018	45,597,775	45,684,176	45,684,766		
6/30/2002	41,066,433	40,922,599	40,843,276	41,172,219	41,215,365	41,422,800	41,392,340	41,553,937			
6/30/2003	39,276,720	39,330,637	39,333,650	39,449,657	39,465,907	39,645,730	39,564,911				
6/30/2004	38,635,478	38,664,545	38,714,951	38,741,154	38,823,823	38,909,837					
6/30/2005	35,795,155	35,851,612	35,754,191	35,661,831	35,723,232						
6/30/2006	33,559,331	33,448,216	33,500,406	33,596,037							
6/30/2007	36,287,770	36,249,054	36,281,992								
6/30/2008	40,216,542	40,182,965									
6/30/2009	41,082,424										

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
6/30/2001	0.994	1.138	1.009	1.010	0.995	1.011	1.003	1.005	1.012	1.009	1.001
6/30/2002	1.170	1.032	1.037	1.011	1.017	1.020	1.007	1.011	1.004	1.008	1.006
6/30/2003	1.064	1.071	0.993	1.071	1.004	0.999	1.008	0.990	1.011	1.006	1.000
6/30/2004	1.140	1.035	1.039	1.051	1.008	0.996	1.003	1.003	1.006	1.005	1.008
6/30/2005	1.056	1.109	1.023	1.011	1.009	1.003	1.008	1.010	1.014	0.996	0.996
6/30/2006	1.083	1.060	1.019	1.015	1.025	1.010	1.003	1.007	0.995	0.999	1.003
6/30/2007	1.109	1.071	1.013	1.023	1.004	1.009	1.012	1.021	0.998	1.003	0.996
6/30/2008	1.104	1.040	1.001	1.016	1.020	1.008	0.998	1.005	1.010	0.999	1.000
6/30/2009	1.032	1.051	1.008	1.002	1.012	0.996	1.000	1.006	1.009	1.004	1.012
6/30/2010	1.128	1.046	1.021	1.018	1.001	0.999	1.000	1.006	1.000	1.003	
6/30/2011	1.088	1.018	1.008	1.002	1.008	1.007	1.010	0.998	1.004		
6/30/2012	1.077	1.045	1.009	1.010	1.000	1.014	1.002	0.999			
6/30/2013	1.104	1.036	1.041	1.009	1.015	1.018	1.001				
6/30/2014	1.058	1.034	1.041	1.003	1.006	1.003					
6/30/2015	1.089	1.033	1.062	1.035	0.998						
6/30/2016	1.159	1.115	1.007	1.028							
6/30/2017	1.134	1.085	1.048								
6/30/2018	1.247	1.091									
6/30/2019	1.165										
3 Yr Mean	1.182	1.097	1.039	1.022	1.006	1.012	1.004	1.001	1.004	1.002	1.003
Best 3/5	1.153	1.070	1.043	1.016	1.005	1.008	1.001	1.003	1.004	1.002	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.004	1.003	0.999	1.003	1.002	1.000	1.002	1.000
6/30/2002	0.996	0.998	1.008	1.001	1.005	0.999	1.004	1.001 *
6/30/2003	1.001	1.000	1.003	1.000	1.005	0.998	1.000 *	1.001 *
6/30/2004	1.001	1.001	1.001	1.002	1.002	1.003 *	1.000 *	1.001 *
6/30/2005	1.002	0.997	0.997	1.002	1.002 *	1.003 *	1.000 *	1.001 *
6/30/2006	0.997	1.002	1.003					
6/30/2007	0.999	1.001						
6/30/2008	0.999							
3 Yr Mean	0.998	1.000	1.000	1.001	1.004 @	0.999 @	1.003 @	1.000 @
Best 3/5	1.000	1.001	1.002	1.002	1.003 *	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
6/30/2016					1.005	1.008	1.001	1.003	1.004	1.002	1.000
6/30/2017				1.016	1.005	1.008	1.001	1.003	1.004	1.002	1.000
6/30/2018			1.043	1.016	1.005	1.008	1.001	1.003	1.004	1.002	1.000
6/30/2019		1.070	1.043	1.016	1.005	1.008	1.001	1.003	1.004	1.002	1.000
6/30/2020	1.153	1.070	1.043	1.016	1.005	1.008	1.001	1.003	1.004	1.002	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.039
6/30/2017	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.055
6/30/2018	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.101
6/30/2019	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.178
6/30/2020	1.000	1.001	1.002	1.002	1.003	1.001	1.001	1.001	1.004*	1.358

* 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
6/30/2001	2,035,037	2,279,545	2,603,935	2,768,288	2,764,893	2,845,107	2,978,537	2,745,185	2,892,083	2,917,028	2,976,393
6/30/2002	1,629,551	1,910,256	1,980,618	1,993,758	2,098,967	2,219,537	2,155,521	2,088,093	2,193,592	2,193,593	2,200,093
6/30/2003	1,704,067	1,751,683	1,816,373	1,973,401	1,992,019	1,875,473	1,880,100	1,935,815	1,953,432	1,950,582	1,951,582
6/30/2004	2,248,733	2,384,378	2,677,258	3,053,113	3,217,624	3,198,410	3,110,632	3,203,649	3,145,649	3,213,219	3,212,340
6/30/2005	2,337,323	2,349,060	2,283,481	2,670,381	2,613,976	2,784,998	2,630,016	2,749,058	2,710,559	2,721,847	2,717,847
6/30/2006	1,751,357	2,009,842	2,271,715	2,212,719	2,271,702	2,404,801	2,516,500	2,529,597	2,517,556	2,519,779	2,450,413
6/30/2007	1,749,264	2,271,600	2,802,057	2,618,142	2,603,831	2,438,642	2,408,278	2,433,256	2,531,257	2,531,256	2,531,256
6/30/2008	1,483,524	1,895,416	1,453,660	1,508,256	1,447,971	1,480,001	1,458,190	1,450,990	1,452,990	1,453,092	1,474,301
6/30/2009	2,726,358	2,087,021	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	1,761,937	1,771,532	1,725,682	1,824,373	1,922,703	1,965,703	2,016,698	1,965,698	2,064,703	1,960,057	1,959,694
6/30/2011	1,583,126	1,732,573	1,993,456	1,886,872	2,007,358	2,022,072	1,993,981	2,014,980	1,989,980	1,989,980	
6/30/2012	1,171,517	1,497,834	1,649,949	1,939,755	1,919,994	2,334,352	2,360,206	2,244,524	2,142,568		
6/30/2013	1,744,209	1,806,368	1,877,355	1,865,509	2,082,641	2,049,141	2,049,130	1,965,880			
6/30/2014	1,886,273	1,889,191	1,688,742	1,836,708	1,929,058	1,869,812	1,989,611				
6/30/2015	2,468,399	2,601,376	2,420,957	2,712,018	2,517,972	2,638,176					
6/30/2016	1,924,007	2,205,714	2,586,706	2,836,264	3,249,814						
6/30/2017	2,100,482	2,436,249	2,635,835	2,763,987							
6/30/2018	2,859,110	3,556,976	3,872,607								
6/30/2019	2,809,210	3,124,585									
6/30/2020	2,797,311										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	2,971,768	2,972,077	2,822,077	2,847,078	2,872,078	2,961,540	2,961,540	2,971,540	2,971,540		
6/30/2002	2,205,092	2,233,093	2,225,092	2,225,092	2,325,092	2,325,092	2,330,092	2,328,043			
6/30/2003	1,960,082	1,960,082	2,060,082	2,260,082	2,353,413	2,358,191	2,357,191				
6/30/2004	3,313,219	3,315,095	3,322,995	3,313,483	3,313,383	3,313,383					
6/30/2005	2,722,068	2,717,854	2,717,854	2,723,882	2,723,882						
6/30/2006	2,454,178	2,549,368	2,558,515	2,553,103							
6/30/2007	2,531,257	2,616,627	2,615,521								
6/30/2008	1,469,301	1,463,455									
6/30/2009	2,263,091										

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
6/30/2001	1.120	1.142	1.063	0.999	1.029	1.047	0.922	1.054	1.009	1.020	0.998
6/30/2002	1.172	1.037	1.007	1.053	1.057	0.971	0.969	1.051	1.000	1.003	1.002
6/30/2003	1.028	1.037	1.086	1.009	0.941	1.002	1.030	1.009	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	1.148	1.130	0.974	1.027	1.059	1.046	1.005	0.995	1.001	0.972	1.002
6/30/2007	1.299	1.234	0.934	0.995	0.937	0.988	1.010	1.040	1.000	1.000	1.000
6/30/2008	1.278	0.767	1.038	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	1.001
6/30/2010	1.005	0.974	1.057	1.054	1.022	1.026	0.975	1.050	0.949	1.000	
6/30/2011	1.094	1.151	0.947	1.064	1.007	0.986	1.011	0.988	1.000		
6/30/2012	1.279	1.102	1.176	0.990	1.216	1.011	0.951	0.955			
6/30/2013	1.036	1.039	0.994	1.116	0.984	1.000	0.959				
6/30/2014	1.002	0.894	1.088	1.050	0.969	1.064					
6/30/2015	1.054	0.931	1.120	0.928	1.048						
6/30/2016	1.146	1.173	1.096	1.146							
6/30/2017	1.160	1.082	1.049								
6/30/2018	1.244	1.089									
6/30/2019	1.112										
3 Yr Mean	1.172	1.115	1.088	1.041	1.000	1.025	0.974	0.998	0.983	1.006	0.999
Best 3/5	1.139	1.034	1.078	1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.000	0.950	1.009	1.009	1.031	1.000	1.003	1.000
6/30/2002	1.013	0.996	1.000	1.045	1.000	1.002	0.999	1.000 *
6/30/2003	1.000	1.051	1.097	1.041	1.002	1.000	1.000 *	1.000 *
6/30/2004	1.001	1.002	0.997	1.000	1.000	1.002 *	1.000 *	1.000 *
6/30/2005	0.998	1.000	1.002	1.000	1.017 *	1.002 *	1.000 *	1.000 *
6/30/2006	1.039	1.004	0.998					
6/30/2007	1.034	1.000						
6/30/2008	0.996							

3 Yr Mean	1.023	1.001	0.999	1.014	1.001 @	1.001 @	1.001 @	1.000 @
Best 3/5	1.011	1.002	1.000	1.017	1.006 *	1.001 *	1.000 *	1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2016					1.013	1.012	0.966	0.996	1.000	1.001	1.001
6/30/2017				1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001
6/30/2018			1.078	1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001
6/30/2019		1.034	1.078	1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001
6/30/2020	1.139	1.034	1.078	1.052	1.013	1.012	0.966	0.996	1.000	1.001	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.025
6/30/2017	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.079
6/30/2018	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.163
6/30/2019	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.202
6/30/2020	1.011	1.002	1.000	1.017	1.006	1.001	1.000	1.000	1.000*	1.369

* 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>
6/30/2001	5,733,308	10,451,696	17,091,777	19,963,743	24,183,065	28,033,517	31,379,706	34,882,745	36,072,821	35,894,316	35,744,316
6/30/2002	3,624,518	8,180,311	10,487,976	15,497,654	19,745,770	27,464,486	31,093,744	34,544,748	36,537,211	37,203,156	38,154,290
6/30/2003	3,423,721	6,865,536	10,850,744	14,928,769	18,447,903	19,988,542	21,453,605	22,195,415	22,577,510	23,011,155	23,186,025
6/30/2004	3,311,557	7,107,845	11,387,801	15,169,258	19,149,364	22,180,584	24,242,810	24,976,112	26,356,232	27,205,949	27,225,818
6/30/2005	3,701,412	7,271,340	12,790,993	16,300,442	19,072,717	20,956,535	21,905,731	22,687,318	23,601,202	25,376,783	25,642,273
6/30/2006	2,598,191	6,243,105	10,329,034	14,040,611	15,743,524	19,365,642	21,578,166	22,296,429	22,453,022	22,845,879	25,903,470
6/30/2007	3,436,344	8,725,504	13,213,744	18,022,102	20,098,602	22,231,252	24,823,095	25,356,790	27,203,796	27,573,732	27,850,597
6/30/2008	4,366,689	8,882,851	14,431,717	19,052,066	23,377,516	25,831,759	26,723,852	27,849,191	28,993,511	29,896,173	30,917,910
6/30/2009	4,100,789	8,243,347	13,845,224	16,942,994	20,566,562	22,272,807	23,289,706	24,490,197	25,387,867	30,075,492	30,411,675
6/30/2010	4,769,494	10,113,567	15,959,222	20,854,803	24,418,316	26,537,079	29,082,695	30,118,922	30,910,114	31,079,996	31,676,473
6/30/2011	5,487,270	12,682,388	17,540,535	22,499,061	26,578,271	28,916,848	29,352,336	29,878,371	30,072,063	30,584,010	
6/30/2012	6,095,766	10,636,120	16,274,811	21,157,089	24,444,080	26,855,587	28,762,263	30,276,723	31,723,422		
6/30/2013	5,953,530	10,988,312	17,525,143	24,303,124	25,861,957	26,299,950	26,812,397	28,088,931			
6/30/2014	6,262,189	12,004,786	16,122,357	19,072,534	20,594,664	25,310,736	25,995,419				
6/30/2015	6,330,859	12,295,634	19,419,144	24,192,249	28,506,570	30,252,359					
6/30/2016	5,622,689	10,647,660	17,795,590	23,485,247	26,813,193						
6/30/2017	6,425,334	12,502,336	18,623,627	23,493,872							
6/30/2018	6,847,995	15,369,601	22,439,698								
6/30/2019	5,631,580	11,473,435									
6/30/2020	7,217,339										

<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>
6/30/2001	36,165,049	36,358,192	36,343,494	36,365,657	36,389,212	36,424,681	36,415,141	36,434,447	36,439,688
6/30/2002	38,934,572	39,028,645	39,013,238	39,352,611	39,468,914	39,760,966	39,804,916	40,025,018	
6/30/2003	23,234,078	23,284,574	23,235,358	23,385,426	23,410,099	23,510,518	23,489,141		
6/30/2004	28,074,708	28,135,741	28,195,458	28,096,536	28,240,704	28,326,970			
6/30/2005	25,574,471	25,952,923	26,172,101	26,204,524	26,282,026				
6/30/2006	26,229,666	26,101,942	26,309,139	26,546,060					
6/30/2007	28,024,767	28,173,106	28,163,968						
6/30/2008	31,293,029	31,407,984							
6/30/2009	29,012,053								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	4,718,388	6,640,081	2,871,966	4,219,322	3,850,452	3,346,189	3,503,039	1,190,076	-178,505	-150,000	420,733	193,143	-14,698
6/30/2002	4,555,793	2,307,665	5,009,678	4,248,116	7,718,716	3,629,258	3,451,004	1,992,463	665,945	951,134	780,282	94,073	-15,407
6/30/2003	3,441,815	3,985,208	4,078,025	3,519,134	1,540,639	1,465,063	741,810	382,095	433,645	174,870	48,053	50,496	-49,216
6/30/2004	3,796,288	4,279,956	3,781,457	3,980,106	3,031,220	2,062,226	733,302	1,380,120	849,717	19,869	848,890	61,033	59,717
6/30/2005	3,569,928	5,519,653	3,509,449	2,772,275	1,883,818	949,196	781,587	913,884	1,775,581	265,490	-67,802	378,452	219,178
6/30/2006	3,644,914	4,085,929	3,711,577	1,702,913	3,622,118	2,212,524	718,263	156,593	392,857	3,057,591	326,196	-127,724	207,197
6/30/2007	5,289,160	4,488,240	4,808,358	2,076,500	2,132,650	2,591,843	533,695	1,847,006	369,936	276,865	174,170	148,339	-9,138
6/30/2008	4,516,162	5,548,866	4,620,349	4,325,450	2,454,243	892,093	1,125,339	1,144,320	902,662	1,021,737	375,119	114,955	
6/30/2009	4,142,558	5,601,877	3,097,770	3,623,568	1,706,245	1,016,899	1,200,491	897,670	4,687,625	336,183	-1,399,622		
6/30/2010	5,344,073	5,845,655	4,895,581	3,563,513	2,118,763	2,545,616	1,036,227	791,192	169,882	596,477			
6/30/2011	7,195,118	4,858,147	4,958,526	4,079,210	2,338,577	435,488	526,035	193,692	511,947				
6/30/2012	4,540,354	5,638,691	4,882,278	3,286,991	2,411,507	1,906,676	1,514,460	1,446,699					
6/30/2013	5,034,782	6,536,831	6,777,981	1,558,833	437,993	512,447	1,276,534						
6/30/2014	5,742,597	4,117,571	2,950,177	1,522,130	4,716,072	684,683							
6/30/2015	5,964,775	7,123,510	4,773,105	4,314,321	1,745,789								
6/30/2016	5,024,971	7,147,930	5,689,657	3,327,946									
6/30/2017	6,077,002	6,121,291	4,870,245										
6/30/2018	8,521,606	7,070,097											
6/30/2019	5,841,855												

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
6/30/2001	0.0790	0.1112	0.0481	0.0707	0.0645	0.0560	0.0587	0.0199	-0.0030	-0.0025	0.0070	0.0032	-0.0002
6/30/2002	0.0749	0.0380	0.0824	0.0699	0.1270	0.0597	0.0568	0.0328	0.0110	0.0156	0.0128	0.0015	-0.0003
6/30/2003	0.0643	0.0745	0.0762	0.0658	0.0288	0.0274	0.0139	0.0071	0.0081	0.0033	0.0009	0.0009	-0.0009
6/30/2004	0.0712	0.0803	0.0709	0.0746	0.0568	0.0387	0.0138	0.0259	0.0159	0.0004	0.0159	0.0011	0.0011
6/30/2005	0.0769	0.1189	0.0756	0.0597	0.0406	0.0205	0.0168	0.0197	0.0383	0.0057	-0.0015	0.0082	0.0047
6/30/2006	0.0843	0.0945	0.0859	0.0394	0.0838	0.0512	0.0166	0.0036	0.0091	0.0707	0.0075	-0.0030	0.0048
6/30/2007	0.1102	0.0935	0.1002	0.0433	0.0444	0.0540	0.0111	0.0385	0.0077	0.0058	0.0036	0.0031	-0.0002
6/30/2008	0.0861	0.1058	0.0881	0.0825	0.0468	0.0170	0.0215	0.0218	0.0172	0.0195	0.0072	0.0022	
6/30/2009	0.0756	0.1022	0.0565	0.0661	0.0311	0.0185	0.0219	0.0164	0.0855	0.0061	-0.0255		
6/30/2010	0.0907	0.0992	0.0831	0.0605	0.0360	0.0432	0.0176	0.0134	0.0029	0.0101			
6/30/2011	0.1039	0.0701	0.0716	0.0589	0.0338	0.0063	0.0076	0.0028	0.0074				
6/30/2012	0.0675	0.0839	0.0726	0.0489	0.0359	0.0284	0.0225	0.0215					
6/30/2013	0.0765	0.0993	0.1030	0.0237	0.0067	0.0078	0.0194						
6/30/2014	0.0759	0.0544	0.0390	0.0201	0.0623	0.0090							
6/30/2015	0.0782	0.0933	0.0625	0.0565	0.0229								
6/30/2016	0.0718	0.1021	0.0813	0.0476									
6/30/2017	0.0804	0.0809	0.0644										
6/30/2018	0.0983	0.0815											
6/30/2019	0.0700												

Best 3/5	0.0768	0.0853	0.0694	0.0400	0.0308	0.0151	0.0196	0.0171	0.0108	0.0119	0.0031	0.0021	0.0019
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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
6/30/2001	13,384,222	29,291,295	31,804,222	35,200,694	36,764,932	36,754,955	36,945,131	36,971,716	37,044,971	36,846,568	36,615,423
6/30/2002	15,362,374	18,769,289	22,220,371	24,840,331	22,848,106	22,260,520	22,147,459	21,931,392	22,103,294	22,157,418	22,014,620
6/30/2003	11,262,126	13,881,263	17,341,647	15,557,894	15,454,014	15,639,623	14,816,730	14,593,570	14,823,502	14,640,371	14,834,038
6/30/2004	16,609,979	21,795,855	18,793,534	19,370,204	18,891,303	18,450,597	18,491,447	18,397,448	18,408,488	18,635,145	18,604,800
6/30/2005	14,556,775	18,678,744	21,147,798	20,743,068	20,277,111	20,371,609	19,969,956	20,068,529	20,164,562	20,439,318	20,383,237
6/30/2006	19,338,620	23,494,620	24,388,910	23,604,773	22,930,689	22,829,033	22,541,523	22,640,052	22,433,115	22,254,267	22,269,268
6/30/2007	18,480,636	22,420,519	23,073,434	23,371,141	23,210,278	22,718,485	22,623,885	22,758,941	22,826,499	23,060,981	22,993,831
6/30/2008	17,053,908	18,816,847	18,686,506	18,660,126	18,649,920	18,798,492	19,101,109	19,301,002	19,253,467	19,277,640	19,169,300
6/30/2009	14,056,661	16,358,584	15,976,239	16,100,495	16,985,433	17,061,923	17,124,227	16,953,750	16,687,154	16,767,155	16,811,251
6/30/2010	12,079,749	15,408,822	16,260,567	16,119,763	16,506,925	16,284,120	16,051,315	15,995,201	16,119,687	16,452,615	16,302,476
6/30/2011	9,803,314	11,427,155	12,487,095	13,472,970	13,591,976	13,546,026	13,237,177	12,945,110	13,183,265	13,219,258	
6/30/2012	8,786,599	11,237,085	11,093,695	11,331,053	11,730,188	11,169,395	11,079,048	11,210,561	11,233,200		
6/30/2013	9,116,299	10,718,650	12,025,642	12,165,492	12,479,097	12,458,132	12,319,029	12,332,359			
6/30/2014	8,317,166	11,249,546	14,333,011	14,406,327	14,689,614	14,886,158	14,870,036				
6/30/2015	8,862,808	11,368,286	14,799,956	16,763,496	17,581,545	17,535,141					
6/30/2016	10,179,377	13,089,628	16,688,746	16,916,114	16,734,299						
6/30/2017	10,117,307	13,210,175	14,361,399	14,651,607							
6/30/2018	10,879,300	14,262,222	15,316,196								
6/30/2019	7,784,788	9,435,255									
6/30/2020	13,078,294										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
6/30/2001	36,514,067	36,698,767	36,698,767	36,788,767	36,799,102	36,799,001	36,903,502	36,903,501	37,004,551		
6/30/2002	22,159,183	22,242,658	22,342,658	22,296,008	22,288,158	22,418,759	22,518,758	22,593,758			
6/30/2003	14,789,768	14,854,669	14,858,966	14,936,466	15,053,964	15,053,964	15,053,964				
6/30/2004	18,400,686	18,475,797	18,520,597	18,632,991	18,632,991	18,632,991					
6/30/2005	20,129,489	20,254,486	20,326,881	20,226,881	20,326,884						
6/30/2006	22,478,018	22,339,518	22,439,517								
6/30/2007	22,943,661	23,004,557	22,993,425								
6/30/2008	19,069,300	19,089,300									
6/30/2009	16,782,476										

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
6/30/2001	2.188	1.086	1.107	1.044	1.000	1.005	1.001	1.002	0.995	0.994	0.997
6/30/2002	1.222	1.184	1.118	0.920	0.974	0.995	0.990	1.008	1.002	0.994	1.007
6/30/2003	1.233	1.249	0.897	0.993	1.012	0.947	0.985	1.016	0.988	1.013	0.997
6/30/2004	1.312	0.862	1.031	0.975	0.977	1.002	0.995	1.001	1.012	0.998	0.989
6/30/2005	1.283	1.132	0.981	0.978	1.005	0.980	1.005	1.005	1.014	0.997	0.988
6/30/2006	1.215	1.038	0.968	0.971	0.996	0.987	1.004	0.991	0.992	1.001	1.009
6/30/2007	1.213	1.029	1.013	0.993	0.979	0.996	1.006	1.003	1.010	0.997	0.998
6/30/2008	1.103	0.993	0.999	0.999	1.008	1.016	1.010	0.998	1.001	0.994	0.995
6/30/2009	1.164	0.977	1.008	1.055	1.005	1.004	0.990	0.984	1.005	1.003	0.998
6/30/2010	1.276	1.055	0.991	1.024	0.987	0.986	0.997	1.008	1.021	0.991	
6/30/2011	1.166	1.093	1.079	1.009	0.997	0.977	0.978	1.018	1.003		
6/30/2012	1.279	0.987	1.021	1.035	0.952	0.992	1.012	1.002			
6/30/2013	1.176	1.122	1.012	1.026	0.998	0.989	1.001				
6/30/2014	1.353	1.274	1.005	1.020	1.013	0.999					
6/30/2015	1.283	1.302	1.133	1.049	0.997						
6/30/2016	1.286	1.275	1.014	0.989							
6/30/2017	1.306	1.087	1.020								
6/30/2018	1.311	1.074									
6/30/2019	1.212										
3 Yr Mean	1.276	1.145	1.056	1.019	1.003	0.993	0.997	1.009	1.010	0.996	0.997
Best 3/5	1.292	1.212	1.015	1.027	0.997	0.989	0.996	1.003	1.006	0.997	0.997

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2001	1.005	1.000	1.002	1.000	1.000	1.003	1.000	1.003
6/30/2002	1.004	1.004	0.998	1.000	1.006	1.004	1.003	1.002 *
6/30/2003	1.004	1.000	1.005	1.008	1.000	1.000	1.002 *	1.002 *
6/30/2004	1.004	1.002	1.006	1.000	1.000	1.001 *	1.002 *	1.002 *
6/30/2005	1.006	1.004	0.995	1.005	1.002 *	1.001 *	1.002 *	1.002 *
6/30/2006	0.994	1.004	0.996					
6/30/2007	1.003	1.000						
6/30/2008	1.001							
3 Yr Mean	0.999	1.003	0.999	1.004	1.002 @	1.002 @	1.002 @	1.003 @
Best 3/5	1.003	1.002	1.000	1.002	1.001 *	1.002 *	1.002 *	1.002 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2016					0.997	0.989	0.996	1.003	1.006	0.997	0.997
6/30/2017				1.027	0.997	0.989	0.996	1.003	1.006	0.997	0.997
6/30/2018			1.015	1.027	0.997	0.989	0.996	1.003	1.006	0.997	0.997
6/30/2019		1.212	1.015	1.027	0.997	0.989	0.996	1.003	1.006	0.997	0.997
6/30/2020	1.292	1.212	1.015	1.027	0.997	0.989	0.996	1.003	1.006	0.997	0.997

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2016	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.007
6/30/2017	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.034
6/30/2018	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.050
6/30/2019	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.272
6/30/2020	1.003	1.002	1.000	1.002	1.001	1.002	1.002	1.002	1.008*	1.644

* 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

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
6/30/2001	4,350,739	14,845,683	21,070,920	27,803,176	31,064,848	35,848,620	37,245,719	37,950,002	38,817,870	39,948,394	39,985,108
6/30/2002	5,306,118	10,126,671	14,460,985	18,178,970	17,932,851	20,197,069	21,499,583	21,383,757	21,528,061	21,706,929	21,726,930
6/30/2003	3,682,687	9,018,468	11,817,539	15,224,438	16,881,962	18,294,690	26,599,828	28,509,957	32,195,712	32,604,329	32,907,147
6/30/2004	3,599,477	7,604,665	12,344,807	17,188,364	20,350,846	20,686,399	20,763,357	21,681,918	22,120,196	22,215,503	22,372,359
6/30/2005	2,473,986	8,029,108	13,656,354	16,388,669	17,784,360	19,802,745	19,750,732	19,747,760	20,687,455	21,703,887	22,115,543
6/30/2006	2,880,516	9,135,255	13,343,430	16,512,549	18,241,561	19,509,043	23,188,196	24,432,778	26,817,115	29,446,410	29,556,217
6/30/2007	2,646,539	7,774,363	16,598,447	20,502,455	22,701,913	23,155,554	19,213,497	22,274,461	22,309,258	22,342,370	22,411,797
6/30/2008	2,149,575	7,200,548	12,800,703	16,892,757	17,541,525	18,474,036	19,144,609	19,786,852	19,912,048	20,124,439	20,416,633
6/30/2009	3,207,220	8,478,293	12,189,293	17,703,301	24,013,816	26,641,788	27,388,952	27,857,940	28,211,496	28,703,723	25,454,650
6/30/2010	3,400,963	12,209,725	19,963,328	22,202,581	27,034,401	30,403,516	32,365,216	34,039,160	34,191,833	34,520,669	40,608,612
6/30/2011	4,208,574	12,990,229	19,648,638	24,820,826	29,581,916	31,863,875	33,645,457	34,082,371	34,376,498	35,238,120	
6/30/2012	3,406,788	10,203,943	13,079,651	23,420,281	24,767,723	28,170,022	30,378,226	31,974,761	32,737,158		
6/30/2013	3,032,474	9,149,379	13,256,778	18,559,283	22,071,468	24,265,220	28,445,809	24,785,697			
6/30/2014	4,465,522	12,150,957	17,866,781	19,070,239	24,311,008	29,398,114	31,693,068				
6/30/2015	4,737,169	9,978,810	16,818,373	25,315,023	27,778,678	30,352,877					
6/30/2016	5,207,836	11,135,220	15,256,140	17,041,441	18,909,166						
6/30/2017	4,080,974	10,318,544	14,437,754	18,365,495							
6/30/2018	4,893,226	15,831,256	23,072,059								
6/30/2019	3,822,895	6,839,220									
6/30/2020	4,463,216										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2001	39,941,798	39,943,090	39,949,250	39,938,426	39,939,973	39,939,973	39,939,974	39,955,314	39,968,535
6/30/2002	21,815,709	21,860,693	21,925,071	21,928,272	21,927,855	22,078,982	22,124,287	22,236,860	
6/30/2003	32,876,522	35,705,513	35,713,732	35,421,232	35,857,992	35,847,406	35,842,882		
6/30/2004	22,334,238	22,545,745	22,527,962	22,574,807	22,610,676	22,653,423			
6/30/2005	22,437,917	23,841,140	24,141,802	25,011,288	25,287,464				
6/30/2006	29,808,330	29,896,636	30,136,257	28,521,957					
6/30/2007	22,442,072	22,537,108	22,545,104						
6/30/2008	20,459,633	20,711,978							
6/30/2009	29,409,713								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2001	10,494,944	6,225,237	6,732,256	3,261,672	4,783,772	1,397,099	704,283	867,868	1,130,524	36,714	-43,310	1,292	6,160
6/30/2002	4,820,553	4,334,314	3,717,985	-246,119	2,264,218	1,302,514	-115,826	144,304	178,868	20,001	88,779	44,984	64,378
6/30/2003	5,335,781	2,799,071	3,406,899	1,657,524	1,412,728	8,305,138	1,910,129	3,685,755	408,617	302,818	-30,625	2,828,991	8,219
6/30/2004	4,005,188	4,740,142	4,843,557	3,162,482	335,553	76,958	918,561	438,278	95,307	156,856	-38,121	211,507	-17,783
6/30/2005	5,555,122	5,627,246	2,732,315	1,395,691	2,018,385	-52,013	-2,972	939,695	1,016,432	411,656	322,374	1,403,223	300,662
6/30/2006	6,254,739	4,208,175	3,169,119	1,729,012	1,267,482	3,679,153	1,244,582	2,384,337	2,629,295	109,807	252,113	88,306	239,621
6/30/2007	5,127,824	8,824,084	3,904,008	2,199,458	453,641	-3,942,057	3,060,964	34,797	33,112	69,427	30,275	95,036	7,996
6/30/2008	5,050,973	5,600,155	4,092,054	648,768	932,511	670,573	642,243	125,196	212,391	292,194	43,000	252,345	
6/30/2009	5,271,073	3,711,000	5,514,008	6,310,515	2,627,972	747,164	468,988	353,556	492,227	-3,249,073	3,955,063		
6/30/2010	8,808,762	7,753,603	2,239,253	4,831,820	3,369,115	1,961,700	1,673,944	152,673	328,836	6,087,943			
6/30/2011	8,781,655	6,658,409	5,172,188	4,761,090	2,281,959	1,781,582	436,914	294,127	861,622				
6/30/2012	6,797,155	2,875,708	10,340,630	1,347,442	3,402,299	2,208,204	1,596,535	762,397					
6/30/2013	6,116,905	4,107,399	5,302,505	3,512,185	2,193,752	4,180,589	-3,660,112						
6/30/2014	7,685,435	5,715,824	1,203,458	5,240,769	5,087,106	2,294,954							
6/30/2015	5,241,641	6,839,563	8,496,650	2,463,655	2,574,199								
6/30/2016	5,927,384	4,120,920	1,785,301	1,867,725									
6/30/2017	6,237,570	4,119,210	3,927,741										
6/30/2018	10,938,030	7,240,803											
6/30/2019	3,016,325												

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
6/30/2001	0.1785	0.1059	0.1145	0.0555	0.0813	0.0238	0.0120	0.0148	0.0192	0.0006	-0.0007	0.0000	0.0001
6/30/2002	0.1338	0.1203	0.1032	-0.0068	0.0628	0.0361	-0.0032	0.0040	0.0050	0.0006	0.0025	0.0012	0.0018
6/30/2003	0.2224	0.1167	0.1420	0.0691	0.0589	0.3461	0.0796	0.1536	0.0170	0.0126	-0.0013	0.1179	0.0003
6/30/2004	0.1333	0.1577	0.1612	0.1052	0.0112	0.0026	0.0306	0.0146	0.0032	0.0052	-0.0013	0.0070	-0.0006
6/30/2005	0.1622	0.1643	0.0798	0.0408	0.0589	-0.0015	-0.0001	0.0274	0.0297	0.0120	0.0094	0.0410	0.0088
6/30/2006	0.1921	0.1292	0.0973	0.0531	0.0389	0.1130	0.0382	0.0732	0.0808	0.0034	0.0077	0.0027	0.0074
6/30/2007	0.1453	0.2501	0.1106	0.0623	0.0129	-0.1117	0.0867	0.0010	0.0009	0.0020	0.0009	0.0027	0.0002
6/30/2008	0.1772	0.1965	0.1436	0.0228	0.0327	0.0235	0.0225	0.0044	0.0075	0.0103	0.0015	0.0089	
6/30/2009	0.1977	0.1392	0.2068	0.2367	0.0986	0.0280	0.0176	0.0133	0.0185	-0.1219	0.1483		
6/30/2010	0.2844	0.2504	0.0723	0.1560	0.1088	0.0633	0.0540	0.0049	0.0106	0.1966			
6/30/2011	0.3665	0.2779	0.2159	0.1987	0.0952	0.0744	0.0182	0.0123	0.0360				
6/30/2012	0.3486	0.1475	0.5303	0.0691	0.1745	0.1132	0.0819	0.0391					
6/30/2013	0.2856	0.1918	0.2475	0.1640	0.1024	0.1952	-0.1709						
6/30/2014	0.2938	0.2185	0.0460	0.2004	0.1945	0.0877							
6/30/2015	0.1740	0.2271	0.2821	0.0818	0.0855								
6/30/2016	0.2103	0.1462	0.0633	0.0663									
6/30/2017	0.2423	0.1600	0.1526										
6/30/2018	0.3640	0.2410											
6/30/2019	0.1485												

Best 3/5	0.2089	0.2019	0.1545	0.1050	0.1240	0.0918	0.0300	0.0102	0.0122	0.0052	0.0062	0.0062	0.0026
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Multistate Review of ULAE Experience
 General Liability Including CMP Liability
 Loss Adjustment Expense Special Call
 Calendar Years 2015- 2019

<u>Item *</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2015 - 2019 Mean</u>
1. Direct Losses Incurred	\$24,958,455	\$25,388,567	\$22,632,160	\$26,519,433	\$28,416,595	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$6,032,038	\$4,939,134	\$5,935,928	\$5,781,764	\$5,750,906	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,454,825	\$2,540,806	\$2,332,466	\$2,282,751	\$2,814,839	
4. Incurred Losses + ALAE [(1) + (2)]	\$30,990,493	\$30,327,701	\$28,568,088	\$32,301,197	\$34,167,501	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	7.9%	8.4%	8.2%	7.1%	8.2%	8.0%
6. Selected		8.0%				

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) 1/1/2018 to 1/1/2023 AYE 6/30/2018	+ 1.4%	+ 2.5%	+ 1.2%	+ 2.3%	+ 1.1%	
b) 1/1/2019 to 1/1/2023 AYE 6/30/2019	+ 1.4%	+ 2.3%	+ 1.2%	+ 2.0%	+ 1.0%	
c) 1/1/2020 to 1/1/2023 AYE 6/30/2020	+ 2.0%	+ 2.3%	+ 1.2%	+ 2.2%	+ 1.1%	
	<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)	+ 4.4%	+ 5.6%	- 3.2%	+ 4.9%	+ 6.2%	- 4.4%
Eight Year (16 Points)	+ 4.8%	+ 4.2%	- 7.9%	+ 5.3%	+ 7.3%	- 2.4%
Six Year (12 Points)	+ 4.8%	+ 4.1%	- 10.0%	+ 5.6%	+ 9.4%	+ 0.9%
b) Selected	+ 4.5%	+ 4.5%	0.0%	+ 4.5%	+ 5.5%	0.0%
(3) <u>FREQUENCY TREND</u>		<u>M&C</u>		<u>OL&T</u>		
Selected		0.0%		- 0.5%		
(4) <u>TOTAL ANNUAL NET TREND</u>		+ 2.3%		+ 3.7%		

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 6/30/2018, 6/30/2019 & 6/30/2020

(1)		(2)		(3)		(1)		(2)		(3)	
YEAR ENDING QUARTER*		MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES		CONTRACTORS CLASS GROUP PAYROLL EXPOSURE INDICES		YEAR ENDING QUARTER*		MANUFACTURERS CLASS GROUP SALES EXPOSURE INDICES		CONTRACTORS CLASS GROUP PAYROLL EXPOSURE INDICES	
2010	1	0.964	22.806	2017	1	1.033	26.160				
	2	0.962	22.928		2	1.034	26.326				
	3	0.962	23.080		3	1.037	26.527				
	4	0.965	23.208		4	1.040	26.716				
2011	1	0.968	23.312	2018	1	1.043	26.955				
	2	0.973	23.427		2	1.047	27.203				
	3	0.978	23.556		3	1.051	27.440				
	4	0.982	23.638		4	1.054	27.728				
2012	1	0.986	23.715	2019	1	1.057	27.950				
	2	0.990	23.794		2	1.060	28.185				
	3	0.995	23.873		3	1.062	28.361				
	4	1.000	23.965		4	1.064	28.515				
2013	1	1.004	24.062	2020	1	1.065	28.703				
	2	1.006	24.140		2	1.059	28.830				
	3	1.008	24.167		3	1.057	29.003				
	4	1.010	24.208		4	1.058	29.191				
2014	1	1.012	24.299	2021	1P	1.059	29.382				
	2	1.016	24.405		2P	1.067	29.600				
	3	1.019	24.538		3P	1.073	29.785				
	4	1.022	24.663		4P	1.079	29.940				
2015	1	1.024	24.759	2022	1P	1.088	30.077				
	2	1.026	24.909		2P	1.096	30.217				
	3	1.027	25.013		3P	1.104	30.365				
	4	1.030	25.172		4P	1.111	30.519				
2016	1	1.030	25.313	2023	1P	1.117	30.679				
	2	1.030	25.480		2P	1.122	30.848				
	3	1.029	25.731		3P	1.128	31.020				
	4	1.030	25.938		4P	1.133	31.197				
CHANGE IN EXPOSURES				MANUFACTURERS		CONTRACTORS					
1/1/2018 to 1/1/2023		(2023:2/2018:2)	1.072			1.134					
1/1/2019 to 1/1/2023		(2023:2/2019:2)	1.059			1.094					
1/1/2020 to 1/1/2023		(2023:2/2020:2)	1.060			1.070					
AVERAGE ANNUAL TREND FACTOR											
1/1/2018 to 1/1/2023		(5.0 YRS)	1.014			1.025					
1/1/2019 to 1/1/2023		(4.0 YRS)	1.014			1.023					
1/1/2020 to 1/1/2023		(3.0 YRS)	1.020			1.023					

* 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	10.0%	0.5%
OTHER DURABLES	6.0%	-1.1%
CLOTHING	9.2%	-1.0%
FOOD	42.8%	2.0%
OTHER NON-DURABLES	28.4%	1.2%
RECREATION SERVICES	3.6%	2.4%
TOTAL	100.0%	1.2% 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 6/30/2020. Inflation adjusted GDP is measured in terms of 2012 prices.

³ Inflation trends are based on average annual growth rates in consumption components starting 2018 to 2023.

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
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
2010 2	1.039	0.983	0.956	0.937	0.966	0.953	2017 2	0.888	0.893	0.997	1.068	1.046	1.092
2010 3	1.027	0.982	0.953	0.940	0.968	0.955	2017 3	0.882	0.890	0.995	1.071	1.048	1.100
2010 4	1.015	0.982	0.949	0.943	0.970	0.957	2017 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	1.052	1.114
2011 2	1.001	0.994	0.949	0.955	0.977	0.964	2018 2	0.866	0.882	0.994	1.082	1.054	1.120
2011 3	1.000	1.002	0.955	0.965	0.981	0.968	2018 3	0.864	0.878	0.993	1.086	1.055	1.126
2011 4	1.000	1.008	0.965	0.975	0.985	0.973	2018 4	0.866	0.871	0.993	1.090	1.056	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
2012 2	1.001	1.009	0.988	0.991	0.993	0.986	2019 2	0.869	0.857	0.984	1.100	1.055	1.142
2012 3	1.000	1.005	0.994	0.996	0.997	0.993	2019 3	0.872	0.852	0.984	1.105	1.056	1.147
2012 4	1.000	1.000	1.000	1.000	1.000	1.000	2019 4	0.872	0.851	0.979	1.110	1.060	1.153
2013 1	0.998	0.994	1.005	1.004	1.001	1.005	2020 1	0.870	0.848	0.976	1.113	1.063	1.160
2013 2	0.994	0.989	1.006	1.008	1.001	1.009	2020 2	0.869	0.842	0.961	1.117	1.066	1.166
2013 3	0.988	0.985	1.009	1.012	1.001	1.013	2020 3	0.872	0.835	0.944	1.123	1.070	1.173
2013 4	0.981	0.979	1.010	1.015	1.002	1.017	2020 4	0.878	0.827	0.930	1.130	1.070	1.181
2014 1	0.972	0.970	1.010	1.018	1.004	1.022	2021 1P	0.882	0.824	0.923	1.136	1.071	1.188
2014 2	0.962	0.959	1.012	1.024	1.006	1.028	2021 2P	0.885	0.825	0.931	1.141	1.073	1.193
2014 3	0.954	0.950	1.013	1.030	1.009	1.032	2021 3P	0.884	0.825	0.936	1.145	1.075	1.200
2014 4	0.947	0.940	1.013	1.038	1.013	1.036	2021 4P	0.882	0.827	0.941	1.150	1.079	1.207
2015 1	0.940	0.931	1.011	1.045	1.017	1.038	2022 1P	0.882	0.828	0.941	1.156	1.084	1.216
2015 2	0.936	0.923	1.007	1.050	1.021	1.042	2022 2P	0.882	0.828	0.941	1.163	1.090	1.225
2015 3	0.930	0.914	1.004	1.054	1.023	1.047	2022 3P	0.884	0.830	0.942	1.170	1.096	1.235
2015 4	0.924	0.906	1.001	1.058	1.025	1.052	2022 4P	0.886	0.831	0.943	1.177	1.103	1.245
2016 1	0.920	0.902	0.999	1.061	1.027	1.058	2023 1P	0.888	0.833	0.945	1.185	1.110	1.255
2016 2	0.913	0.901	0.999	1.063	1.030	1.064	2023 2P	0.890	0.834	0.946	1.192	1.117	1.264
2016 3	0.907	0.899	0.998	1.064	1.034	1.071	2023 3P	0.890	0.835	0.946	1.199	1.125	1.273
2016 4	0.900	0.899	0.998	1.065	1.038	1.077	2023 4P	0.890	0.835	0.947	1.206	1.132	1.281

Change In Exposures*

Average Annual Trend Factor

1/1/2018 to 1/1/2023 (2023:2/2018:2)	1.028	0.946	0.951	1.102	1.060	1.129	1/1/2018 to 1/1/2023 (5.0 Years)	0.5%	-1.1%	-1.0%	2.0%	1.2%	2.4%
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*Assumes a loss cost revision date of January 1, 2022, and a prospective average date of coverage one year later (January 1, 2023).

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PREMISES/OPERATIONS
GOVERNMENTAL SUBDIVISIONS
OWNERS, LANDLORDS AND TENANTS
AVERAGE ANNUAL EXPOSURE TRENDS
FOR ACCIDENT YEARS ENDING 6/30/2018, 6/30//2019 & 6/30/2020

(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 @	
2010	1	0.926		2017	1	1.064	
	2	0.933			2	1.069	
	3	0.940			3	1.076	
	4	0.947			4	1.085	
2011	1	0.954		2018	1	1.094	
	2	0.962			2	1.106	
	3	0.971			3	1.117	
	4	0.977			4	1.128	
2012	1	0.984		2019	1	1.135	
	2	0.988			2	1.141	
	3	0.992			3	1.146	
	4	1.000			4	1.150	
2013	1	1.007		2020	1	1.157	
	2	1.016			2	1.159	
	3	1.025			3	1.163	
	4	1.033			4	1.168	
2014	1	1.040		2021	1P	1.172	
	2	1.046			2P	1.179	
	3	1.052			3P	1.186	
	4	1.056			4P	1.192	
2015	1	1.056		2022	1P	1.200	
	2	1.057			2P	1.207	
	3	1.057			3P	1.214	
	4	1.056			4P	1.221	
2016	1	1.055		2023	1P	1.228	
	2	1.055			2P	1.236	
	3	1.055			3P	1.243	
	4	1.058			4P	1.251	
CHANGE IN EXPOSURES				AVERAGE ANNUAL TREND FACTOR			
1/1/2018 to 1/1/2023		(2023:2/2018:2)	1.118	1/1/2018 to 1/1/2023		(5.0 YRS)	1.023
1/1/2019 to 1/1/2023		(2023:2/2019:2)	1.083	1/1/2019 to 1/1/2023		(4.0 YRS)	1.020
1/1/2020 to 1/1/2023		(2023:2/2020:2)	1.066	1/1/2020 to 1/1/2023		(3.0 YRS)	1.022

* 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 Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2010	\$ 234,729,164	4,286	\$ 54,766	\$ 55,361		
6/30/2011	252,188,154	4,459	56,557	56,579		
12/31/2011	261,162,665	4,333	60,273	57,824		
6/30/2012	233,198,602	3,823	60,999	59,096		
12/31/2012	216,563,887	3,593	60,274	60,396	\$ 59,457	
6/30/2013	217,595,780	3,610	60,276	61,724	60,860	
12/31/2013	225,605,509	3,680	61,306	63,082	62,297	
6/30/2014	253,218,694	3,898	64,961	64,470	63,768	
12/31/2014	250,226,518	3,656	68,443	65,888	65,273	\$ 65,117
6/30/2015	227,163,415	3,434	66,151	67,338	66,814	66,677
12/31/2015	222,280,928	3,389	65,589	68,819	68,391	68,274
6/30/2016	223,805,909	3,108	72,010	70,333	70,006	69,909
12/31/2016	225,208,910	3,103	72,578	71,880	71,658	71,584
6/30/2017	222,082,854	3,134	70,862	73,461	73,350	73,298
12/31/2017	237,454,676	3,154	75,287	75,077	75,082	75,054
6/30/2018	242,168,083	3,196	75,772	76,729	76,854	76,851
12/31/2018	237,551,125	3,187	74,538	78,417	78,669	78,692
6/30/2019	249,394,472	3,141	79,400	80,142	80,526	80,577
12/31/2019	257,728,021	3,140	82,079	81,905	82,427	82,507
6/30/2020	266,128,401	2,926	90,953	83,706	84,373	84,483
Goodness of Fit Statistic, R-Squared:				0.940	0.920	0.840
Average Annual Severity Trend (10 yr)				+ 4.4%		
Average Annual Severity Trend (8 yr)				+ 4.8%		
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 Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
				12/31/2010	\$ 165,254,288	15,411
6/30/2011	173,284,254	15,643	11,077	11,583		
12/31/2011	174,283,012	15,579	11,187	11,905		
6/30/2012	170,048,518	14,969	11,360	12,235		
12/31/2012	180,500,872	14,098	12,803	12,575	\$ 13,411	
6/30/2013	185,858,905	13,502	13,765	12,924	13,692	
12/31/2013	177,370,054	12,731	13,932	13,283	13,978	
6/30/2014	186,033,890	12,359	15,053	13,652	14,271	
12/31/2014	183,464,135	12,202	15,036	14,031	14,570	\$ 14,601
6/30/2015	189,144,150	11,936	15,847	14,420	14,875	14,899
12/31/2015	187,279,213	12,017	15,585	14,820	15,187	15,203
6/30/2016	186,521,141	12,143	15,360	15,232	15,505	15,513
12/31/2016	187,785,702	12,397	15,148	15,655	15,829	15,830
6/30/2017	188,211,416	12,420	15,154	16,089	16,161	16,153
12/31/2017	197,845,448	12,255	16,144	16,536	16,499	16,483
6/30/2018	200,184,884	12,270	16,315	16,995	16,845	16,819
12/31/2018	204,409,469	12,233	16,710	17,467	17,198	17,163
6/30/2019	201,253,818	12,022	16,740	17,952	17,558	17,513
12/31/2019	212,113,195	11,836	17,921	18,450	17,925	17,871
6/30/2020	223,412,016	10,843	20,604	18,962	18,301	18,235
Goodness of Fit Statistic, R-Squared:				0.880	0.804	0.657
Average Annual Severity Trend (10 yr)				+ 5.6%		
Average Annual Severity Trend (8 yr)				+ 4.2%		
Average Annual Severity Trend (6 yr)				+ 4.1%		
Selected Annual Severity Trend				+ 4.5%		

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

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

OCCURRENCE SEVERITY TREND
MULTISTATE
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 Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2010	\$ 26,763,588	944	\$ 28,351	\$ 41,348		
6/30/2011	24,636,186	782	31,504	40,690		
12/31/2011	20,682,850	595	34,761	40,042		
6/30/2012	18,204,869	472	38,570	39,404		
12/31/2012	16,618,871	443	37,514	38,777	\$ 49,215	
6/30/2013	19,125,773	424	45,108	38,159	47,229	
12/31/2013	24,963,147	472	52,888	37,551	45,322	
6/30/2014	22,867,510	515	44,403	36,953	43,493	
12/31/2014	19,686,427	504	39,060	36,365	41,737	\$ 45,049
6/30/2015	21,443,313	508	42,211	35,786	40,052	42,726
12/31/2015	19,461,409	525	37,069	35,216	38,435	40,524
6/30/2016	20,959,448	524	39,999	34,655	36,884	38,434
12/31/2016	19,578,519	483	40,535	34,103	35,395	36,453
6/30/2017	17,318,600	514	33,694	33,560	33,966	34,573
12/31/2017	22,138,257	536	41,303	33,025	32,595	32,791
6/30/2018	20,778,524	536	38,766	32,499	31,279	31,100
12/31/2018	14,295,937	497	28,764	31,982	30,016	29,497
6/30/2019	11,318,363	442	25,607	31,472	28,804	27,976
12/31/2019	10,033,256	461	21,764	30,971	27,642	26,533
6/30/2020	11,766,514	475	24,772	30,478	26,526	25,165
Goodness of Fit Statistic, R-Squared:				0.177	0.648	0.676
Average Annual Severity Trend (10 yr)				- 3.2%		
Average Annual Severity Trend (8 yr)				- 7.9%		
Average Annual Severity Trend (6 yr)				-10.0%		
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 Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2010	\$ \$665,832,289	19,643	\$ 33,897	\$ 33,226		
6/30/2011	687,869,955	19,978	34,431	34,028		
12/31/2011	679,872,414	19,126	35,547	34,850		
6/30/2012	616,835,338	16,934	36,426	35,691		
12/31/2012	586,810,233	16,077	36,500	36,553	\$ 35,820	
6/30/2013	616,444,325	16,806	36,680	37,436	36,762	
12/31/2013	667,835,473	17,769	37,584	38,340	37,729	
6/30/2014	743,745,054	18,976	39,194	39,266	38,721	
12/31/2014	741,321,917	18,138	40,871	40,214	39,740	\$ 39,339
6/30/2015	729,444,228	17,635	41,363	41,185	40,785	40,433
12/31/2015	758,260,336	17,896	42,370	42,179	41,858	41,557
6/30/2016	723,662,464	16,754	43,193	43,198	42,959	42,713
12/31/2016	734,463,694	16,847	43,596	44,241	44,088	43,901
6/30/2017	757,804,214	17,421	43,499	45,309	45,248	45,121
12/31/2017	788,159,308	17,881	44,078	46,403	46,438	46,376
6/30/2018	849,799,227	18,644	45,580	47,523	47,659	47,666
12/31/2018	855,175,451	18,121	47,193	48,671	48,913	48,991
6/30/2019	812,438,869	16,849	48,219	49,846	50,199	50,353
12/31/2019	808,784,788	15,799	51,192	51,049	51,520	51,753
6/30/2020	760,230,724	12,434	61,141	52,282	52,875	53,192
Goodness of Fit Statistic, R-Squared:				0.915	0.877	0.775
Average Annual Severity Trend (10 yr)				+ 4.9%		
Average Annual Severity Trend (8 yr)				+ 5.3%		
Average Annual Severity Trend (6 yr)				+ 5.6%		
Selected Annual Severity Trend				+ 4.5%		

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

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

OCCURRENCE SEVERITY TREND
MULTISTATE
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 Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2010	\$ 74,504,049	8,602	\$ 8,661	\$ 8,217		
6/30/2011	75,447,198	8,821	8,553	8,469		
12/31/2011	80,987,927	8,723	9,284	8,728		
6/30/2012	76,147,000	7,997	9,522	8,995		
12/31/2012	73,767,122	7,565	9,751	9,270	\$ 8,812	
6/30/2013	71,800,967	7,674	9,356	9,553	9,129	
12/31/2013	76,822,031	7,653	10,038	9,845	9,458	
6/30/2014	73,794,655	7,840	9,413	10,146	9,798	
12/31/2014	72,549,546	7,808	9,292	10,457	10,151	\$ 9,519
6/30/2015	81,362,512	7,507	10,838	10,776	10,516	9,956
12/31/2015	84,304,274	7,539	11,182	11,106	10,895	10,413
6/30/2016	79,846,505	7,513	10,628	11,446	11,287	10,890
12/31/2016	86,930,325	7,591	11,452	11,796	11,693	11,390
6/30/2017	86,986,666	7,983	10,896	12,156	12,114	11,912
12/31/2017	95,578,455	7,920	12,068	12,528	12,550	12,458
6/30/2018	98,883,379	7,677	12,880	12,911	13,002	13,030
12/31/2018	96,620,529	7,470	12,934	13,306	13,470	13,627
6/30/2019	93,981,599	7,192	13,068	13,713	13,955	14,252
12/31/2019	102,689,999	6,872	14,943	14,132	14,457	14,906
6/30/2020	99,350,122	5,453	18,219	14,565	14,977	15,589
Goodness of Fit Statistic, R-Squared:				0.847	0.829	0.834
Average Annual Severity Trend (10 yr)				+ 6.2%		
Average Annual Severity Trend (8 yr)				+ 7.3%		
Average Annual Severity Trend (6 yr)				+ 9.4%		
Selected Annual Severity Trend				+ 5.5%		

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

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

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

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Occurrences at Ultimate	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2010	\$ 40,002,637	547	\$ 73,131	\$ 88,110		
6/30/2011	41,106,996	486	84,582	86,151		
12/31/2011	50,507,813	426	118,563	84,236		
6/30/2012	38,998,149	346	112,711	82,363		
12/31/2012	27,598,698	340	81,173	80,532	\$ 72,353	
6/30/2013	27,192,893	379	71,749	78,741	71,493	
12/31/2013	31,973,114	414	77,230	76,991	70,643	
6/30/2014	35,541,181	469	75,781	75,279	69,803	
12/31/2014	31,016,365	511	60,697	73,605	68,973	\$ 61,565
6/30/2015	37,401,592	597	62,649	71,969	68,153	61,830
12/31/2015	40,974,026	690	59,383	70,369	67,342	62,097
6/30/2016	37,008,613	696	53,173	68,804	66,542	62,365
12/31/2016	34,367,854	635	54,123	67,274	65,751	62,634
6/30/2017	34,760,108	555	62,631	65,779	64,969	62,904
12/31/2017	44,426,584	534	83,196	64,316	64,196	63,176
6/30/2018	49,048,755	531	92,371	62,886	63,433	63,448
12/31/2018	35,205,404	504	69,852	61,488	62,679	63,722
6/30/2019	24,027,866	419	57,346	60,121	61,934	63,997
12/31/2019	22,511,021	421	53,470	58,784	61,197	64,273
6/30/2020	23,223,449	395	58,794	57,477	60,470	64,550
Goodness of Fit Statistic, R-Squared:				0.324	0.108	0.008
Average Annual Severity Trend (10 yr)				- 4.4%		
Average Annual Severity Trend (8 yr)				- 2.4%		
Average Annual Severity Trend (6 yr)				+ 0.9%		
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).

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 Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency $(3)/(2)^2$
6/30/2007	\$ 828,722,688	28,039	33.83
6/30/2008	832,856,246	27,836	33.42
6/30/2009	855,361,828	28,601	33.44
6/30/2010	790,974,894	27,990	35.39
6/30/2011	806,749,567	28,534	35.37
6/30/2012	817,626,627	26,689	32.64
6/30/2013	813,536,331	25,748	31.65
6/30/2014	871,844,129	26,727	30.66
6/30/2015	901,797,197	26,264	29.12
6/30/2016	916,024,101	26,864	29.33
6/30/2017	935,129,657	27,910	29.85
6/30/2018	952,527,452	27,866	29.25
6/30/2019	965,161,164	27,623	28.62
6/30/2020	969,204,870	24,647	25.43

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>
6/30/2007	\$ 1,056,375,440	32,940	31.18
6/30/2008	1,108,402,886	32,447	29.27
6/30/2009	1,251,602,305	33,893	27.08
6/30/2010	1,314,800,250	33,662	25.60
6/30/2011	1,355,030,378	33,872	25.00
6/30/2012	1,351,762,962	29,201	21.60
6/30/2013	1,319,386,565	29,238	22.16
6/30/2014	1,380,595,605	32,330	23.42
6/30/2015	1,479,128,981	31,204	21.10
6/30/2016	1,501,429,674	30,456	20.28
6/30/2017	1,527,114,579	31,843	20.85
6/30/2018	1,535,664,448	33,001	21.49
6/30/2019	1,505,545,344	31,109	20.66
6/30/2020	1,423,267,520	23,963	16.84

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

<u>CLASS GROUP 01</u>	<u>CLASS GROUP 03</u>	12467	18335
10100 1.03	10026 1.24	0.32	0.70
10146 0.46	10042 0.71	12805 0.62	18437 1.00 *
10352 0.60	10060 0.34	12841 1.03	18438 1.92
11258 1.24	10065 0.51	12927 0.18	18507 0.36
11259 1.33	10066 0.52	13314 0.23	18570 3.76
11288 1.52	10071 0.61	13351 0.56	18708 0.22
13111 1.15	10101 0.46	13352 0.57	18834 0.57
13673 0.94	10105 4.98	13506 1.76	18911 1.80
13720 0.53	10113 0.69	13507 2.12	18912 3.39
14401 1.25	10115 1.37	13716 0.87	18920 0.88
15224 0.56	10130 6.79	13759 0.34	19795 0.59
18435 1.09	10132 5.85	14068 0.075	19796 0.69
18436 0.88	10150 0.95	14101 0.88	41510 90.50
18501 1.00 *	10151 23.92	14655 0.17	45900 0.21
	10160 4.26	14733 1.19	45901 0.18
<u>CLASS GROUP 02</u>	10204 0.43	14734 0.51	48808 3.10
16900 1.95	10205 0.48	14913 0.64	49111 4.74
16901 1.25	10210 0.77	15314 0.41	<u>CLASS GROUP 04</u>
16902 1.06	10211 0.77	15538 0.73	10133 12.18
16905 2.05	10220 9.04	15600 1.84	11052 12.67
16906 1.31	10309 0.31	15608 0.41	11167 2.92
16910 1.17	10315 0.73	15656 12.11	11168 15.14
16911 1.06	11020 0.58	15839 0.55	14731 12.57
16915 1.20	11126 0.12	15991 0.45	14732 0.93
16916 1.00 *	11155 0.41	15993 0.38	15123 12.15
16920 2.66	11204 0.60	16402 2.72	15124 4.25
16921 2.43	11234 0.54	16403 1.72	19007 4.75
16930 1.53	11273 26.77	16404 2.17	19051 10.53
16931 1.65	11274 25.69	16676 0.57	44009 14.81
16940 3.32	12356 2.27	16750 0.20	49617 1.00 *
16941 1.33	12374 1.18	16751 0.20	49618 0.84
	12375 0.58	16881 3.13	49619 1.58
	12393 0.77	18109 0.75	49763 10.26
		18110 0.60	
		18206 0.97	

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

*Base Class

<u>CLASS GROUP 05</u>		16705	3.19	41669	0.25	44430	9.63
10140	0.46	18078	1.81	41670	0.42	44431	30.76
10141	0.92	18205	2.79	43518	5.97	44432	9.75
10145	4.43	18707	0.15	43626	4.77	44433	310.66
12361	1.00	18833	1.79	43628	61.99	44434	594.24
13049	0.52	<u>CLASS GROUP 07</u>		43629	52.53	44435	615.31
13112	0.85	10015	2.95	43760	1.75	44436	718.67
13670	0.56	10052	2.04	44069	5.10	44437	595.63
15223	0.66	10054	1.81	44070	1.51	44438	470.71
<u>CLASS GROUP 06</u>		10110	10.04	44071	1.68	44439	916.25
10010	1.59	10117	2.93	44072	1.16	44440	758.14
10011	0.38	10120	6.57	44311	3.08	46112	1.00
10012	0.44	10331	4.00	44315	2.07	<u>CLASS GROUP 09</u>	
10025	0.38	10332	6.90	46911	9.44	45190	1.00
10027	0.38	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	40047	6.48	48925	96.91		
12707	6.56	40059	2.32	49870	40.51		
12797	1.38	40061	1.23	63217	18.47		
13715	1.00	40063	41.16	63218	6.22		
13930	2.13	40064	12.10	<u>CLASS GROUP 08</u>			
14527	4.07	40111	3.26	40101	254.14		
16005	0.53	41001	0.11	40102	224.55		
16501	1.12	41664	13.92	44427	918.85		
16527	1.72	41665	1.63	44428	924.07		
		41667	38.05	44429	13.85		
		41668	35.67				

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

@ The differentials for CG 12 do not reflect the class-specific adjustments for COVID-19.

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

CLASS GROUP 14		(a)		(a)	CLASS GROUP 16
10020	(a)	40140	46882	(a)	44100
10119	(a)	41210	46913	(a)	0.96
10135	(a)	41666	46914	(a)	44101
10375	(a)	41672	46915	(a)	1.00
11101	(a)	41673	46916	(a)	0.78
11120	(a)	41700	47051	(a)	44102
11160	(a)	43007	47052	(a)	0.69
13208	(a)	43117	47103	(a)	44103
13461	(a)	43215	47146	(a)	0.29
15119	(a)	43424	47147	(a)	44104
15120	(a)	43517	47253	(a)	0.34
15300	(a)	43754	47254	(a)	44108
16722	(a)	43945	47468	(a)	0.86
16723	(a)	43946	47600	(a)	44109
18200	(a)	43990	47610	(a)	0.88
18991	(a)	43991	48177	(a)	44110
19061	(a)	44105	48178	(a)	0.54
40005	(a)	44106	48252	(a)	44111
40006	(a)	44113	48610	(a)	0.32
40010	(a)	44193	48727	(a)	
40015	(a)	44194	48924	(a)	
40020	(a)	44222	48924	(a)	
40026	(a)	44500	49305	(a)	
40031	(a)	44501	49451	(a)	
40032	(a)	45224	49452	(a)	
40040	(a)	45225	49800	(a)	
40041	(a)	45225	49890	(a)	
40042	(a)	45523	49891	(a)	
40066	(a)	45524	49902	(a)	
40067	(a)	45539	49903	(a)	
40069	(a)	45993	63219	(a)	
40072	(a)	46510	63220	(a)	
40115	(a)	46590	64500	(a)	
40117	(a)	46671	97501	(a)	
		46773	97502	(a)	
		46822	97503	(a)	
		46881	97504	(a)	

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

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

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>		52076	1.47	57090	1.83	59904	0.52
		52137	0.48	57146	1.16	59915	1.73
48636	10.49	52341	0.30	57411	0.28	59917	0.32
50011	0.58	52342	0.87	57611	0.60	59947	0.52
50018	0.53	52343	0.53	57690	0.78	59970	0.70
51001	0.36	52401	1.64	57716	0.37	59975	0.98
51005	0.074	52547	1.42	57725	0.81	59977	0.56
51116	0.91	52767	1.30	57726	0.63	59988	0.25
51210	0.63	53147	0.22	57808	0.31		
51220	2.16	53229	1.23	57809	0.32		
51221	1.20	53333	1.21	57810	0.31		
51222	1.46	53425	1.14	57871	0.37		
51224	1.53	53803	2.72	57999	0.51		
51230	0.26	55013	1.03	58009	0.51		
51250	1.66	55426	1.25	58301	0.39		
51255	4.21	55717	1.65	58663	2.57		
51330	0.64	55718	1.60	58756	0.48		
51333	0.21	56170	1.12	58813	1.18		
51400	1.50	56171	0.55	58837	2.37		
51401	2.21	56567	1.16	58840	0.71		
51625	0.33	56650	3.55	58873	1.13		
51702	0.99	56651	1.93	58922	1.88		
51703	0.41	56652	1.38	59223	1.17		
51734	0.77	56653	1.33	59378	0.76		
51850	1.55	56654	0.68	59537	0.82		
51851	1.05	56911	1.00	59750	0.61		
51852	2.46	56912	0.81	59751	0.22		
51853	0.99	56913	0.66	59781	0.53		
51854	2.22	56915	3.91	59782	0.79		
51855	2.33	56916	3.53	59783	0.77		
51856	1.28	56917	1.02	59784	0.59		
51857	2.19	56918	0.49	59798	2.01		
51909	1.40	56919	1.25	59806	1.44		
52075	1.22	56920	1.14	59892	0.77		

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

*Base Class

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

CLASS EXCEPTIONS

The following class exceptions apply by state:

Class Group 10

47469 Not valid for New Jersey

Class Group 13

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

Class Group 14

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

Class Group 32

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

Class Group 33

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

Class Group 35

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

Class Group 38

41620 Not valid for New York

Class Group 39

93169 Valid only for Louisiana

SECTION F
SUPPORTING MATERIAL -- PRODUCTS
TABLE OF CONTENTS

- Calculation of Aggregate Loss Costs at Current Level and Incurred Losses F-2-4
- Implicit Package Modification Factors F-5
- Multistate Exposure Development F-6
- Table of Contents - Loss Development F-7
- Loss Development Data F-8-21
- Multistate Review of ULAE Experience F-22
- Trend Summary F-23
- Trend Data F-24-27
- Class Groups and Calculation of Proposed Class Loss Costs F-28-40

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	12/31/2017	\$33,626,293	1.000		1.041				\$35,004,971
	12/31/2018	31,758,603	0.999		1.029				32,646,923
	12/31/2019	34,315,148	1.000		1.019				34,967,136
MULTILINE	12/31/2017	\$90,180,042	1.000		1.044		0.865		\$81,437,989
	12/31/2018	91,981,721	0.999		1.031		0.865		81,948,648
	12/31/2019	95,099,965	1.000		1.020		0.865		83,906,699
TOTAL	12/31/2017								\$116,442,960
	12/31/2018								114,595,571
	12/31/2019								118,873,835

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

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2021 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	12/31/2017	\$13,317,992		1.060		1.080		1.159		0.927		\$16,380,665
		12/31/2018	10,669,526		1.424		1.080		1.126		0.941		17,386,289
		12/31/2019	6,620,070		2.022		1.080		1.093		0.956		15,105,863
BI	ALAE	12/31/2017	\$18,459,984				1.080		1.159		0.927		\$21,419,940
		12/31/2018	23,747,125				1.080		1.126		0.941		27,174,578
		12/31/2019	16,285,287				1.080		1.093		0.956		18,377,957
PD	B/L INDEMNITY	12/31/2017	\$20,162,666		1.151		1.080		1.307		0.927		\$30,367,033
		12/31/2018	16,580,016		1.248		1.080		1.239		0.941		26,054,588
		12/31/2019	16,506,584		1.475		1.080		1.174		0.956		29,512,022
PD	ALAE	12/31/2017	\$27,470,488				1.080		1.307		0.927		\$35,945,576
		12/31/2018	21,846,053				1.080		1.239		0.941		27,507,915
		12/31/2019	25,484,940				1.080		1.174		0.956		30,891,099
TOTAL FULL COVERAGE		12/31/2017											\$104,113,214
		12/31/2018											98,123,370
		12/31/2019											93,886,941

* 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		X	UNALLOCATED LOSS ADJ.		SEVERITY TREND	X	FREQUENCY TREND		=	BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE	
BI	B/L INDEMNITY	12/31/2017	\$2,028,526			1.232			1.080		1.159		0.927			\$2,899,868	
		12/31/2018	727,870			1.511			1.080		1.126		0.941			1,258,549	
		12/31/2019	1,091,312			2.311			1.080		1.093		0.956			2,846,103	
BI	ALAE	12/31/2017	\$2,934,253						1.080		1.159		0.927			\$3,404,744	
		12/31/2018	1,634,129						1.080		1.126		0.941			1,869,985	
		12/31/2019	2,878,267						1.080		1.093		0.956			3,248,126	
PD	B/L INDEMNITY	12/31/2017	\$3,569,417			1.090			1.080		1.307		0.927			\$5,090,997	
		12/31/2018	3,429,400			1.175			1.080		1.239		0.941			5,073,886	
		12/31/2019	2,172,707			1.475			1.080		1.174		0.956			3,884,570	
PD	ALAE	12/31/2017	\$5,546,696						1.080		1.307		0.927			\$7,257,941	
		12/31/2018	4,898,283						1.080		1.239		0.941			6,167,776	
		12/31/2019	4,114,570						1.080		1.174		0.956			4,987,400	
TOTAL DED COVERAGE		12/31/2017														\$18,653,550	
		12/31/2018														14,370,195	
		12/31/2019														14,966,199	
TOTAL		12/31/2017														\$122,766,765	
		12/31/2018														112,493,565	
		12/31/2019														108,853,141	

* 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	0.847
35	Not Applicable	--
36	Service Policy	0.917
37	Industrial/Processing Policy	0.874
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	<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>
12/31/2012	294,313,614	285,975,423	285,815,807	285,269,021	285,284,369	285,284,593	285,282,473	285,279,383
12/31/2013	291,676,148	294,092,380	293,024,503	292,993,448	292,997,136	292,997,660	292,991,699	
12/31/2014	300,498,902	305,693,324	305,523,656	305,500,483	305,413,400	305,407,279		
12/31/2015	301,748,313	302,072,614	301,879,697	301,787,976	301,658,526			
12/31/2016	289,649,613	289,162,594	289,281,526	289,341,443				
12/31/2017	285,437,455	286,447,433	286,303,524					
12/31/2018	283,304,260	282,999,859						
12/31/2019	282,263,230							

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>
12/31/2012	0.972	0.999	0.998	1.000	1.000	1.000	1.000
12/31/2013	1.008	0.996	1.000	1.000	1.000	1.000	
12/31/2014	1.017	0.999	1.000	1.000	1.000		
12/31/2015	1.001	0.999	1.000	1.000			
12/31/2016	0.998	1.000	1.000				
12/31/2017	1.004	0.999					
12/31/2018	0.999						

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.001	0.999

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>	<u>Factor</u>
12/31/2017			1.000	1.000
12/31/2018		0.999	1.000	0.999
12/31/2019	1.001	0.999	1.000	1.000

MULTISTATE PRODUCTS LOSS DEVELOPMENT DATA

TABLE OF CONTENTS

• Bodily Injury Indemnity - Full Coverage	F-8-9
• Bodily Injury Indemnity - Deductible Coverage	F-10-11
• Bodily Injury ALAE	F-12-14
• Property Damage Indemnity - Full Coverage	F-15-16
• Property Damage Indemnity - Deductible Coverage	F-17-18
• Property Damage ALAE	F-19-21

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
12/31/2000	7,473,846	10,729,094	14,071,409	15,880,255	15,738,860	15,619,209	16,273,679	15,631,229	15,499,885	15,568,184	15,481,595
12/31/2001	8,231,274	12,317,432	15,815,794	16,446,544	16,880,080	16,859,829	17,147,792	17,491,893	17,190,820	17,047,610	17,366,738
12/31/2002	7,018,229	10,700,460	14,429,437	16,378,092	15,586,609	14,774,453	14,437,476	14,201,243	14,196,889	14,224,960	14,513,480
12/31/2003	7,228,189	11,415,443	14,236,492	15,145,727	14,541,409	13,835,085	13,543,994	14,006,523	14,349,354	14,538,465	14,508,946
12/31/2004	7,160,414	10,844,149	14,345,301	15,958,927	15,388,112	14,453,131	14,521,341	14,403,289	14,765,202	14,877,382	14,878,960
12/31/2005	8,708,761	10,356,952	13,330,018	13,239,776	13,580,297	13,460,547	13,288,409	13,515,252	13,289,672	13,289,746	13,218,023
12/31/2006	8,045,767	12,703,559	16,967,245	17,176,393	16,485,538	16,649,735	16,602,337	16,806,388	17,052,160	17,004,493	16,646,263
12/31/2007	9,362,846	14,599,354	18,038,286	19,067,915	18,940,189	19,053,290	18,473,485	18,464,313	18,246,239	18,140,537	18,268,019
12/31/2008	9,562,550	13,726,422	16,398,237	17,214,328	18,956,150	17,663,444	17,437,569	17,354,898	17,386,405	17,430,593	17,668,612
12/31/2009	10,624,064	13,519,796	16,031,003	16,312,522	16,047,241	16,139,503	15,994,242	16,076,065	16,021,333	16,285,247	16,623,697
12/31/2010	11,059,633	15,363,249	16,865,131	17,555,631	17,733,041	16,353,060	16,104,307	16,097,694	16,123,460	16,043,736	
12/31/2011	8,606,729	11,816,428	15,071,652	15,377,311	14,802,603	14,589,272	14,464,946	14,607,628	15,105,039		
12/31/2012	8,718,522	13,002,276	16,774,601	17,038,494	17,187,074	16,723,272	16,537,263	17,278,071			
12/31/2013	6,458,241	9,678,518	13,306,421	14,310,180	14,660,496	14,449,961	14,829,020				
12/31/2014	6,960,086	9,615,799	13,108,027	14,875,442	14,301,209	14,931,625					
12/31/2015	6,730,026	9,166,802	12,114,663	13,292,827	12,927,122						
12/31/2016	5,803,315	8,328,535	10,965,818	11,739,182							
12/31/2017	6,284,651	9,692,884	13,016,047								
12/31/2018	6,850,985	9,890,542									
12/31/2019	6,006,708										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	15,492,521	15,643,104	15,688,291	15,885,794	16,133,926	16,183,909	16,634,355	16,671,334	16,703,288
12/31/2001	17,686,735	17,777,360	18,020,372	18,347,826	18,286,849	18,524,098	18,537,050	18,535,156	
12/31/2002	14,980,141	14,663,578	14,778,353	14,455,025	14,707,101	14,689,978	14,689,061		
12/31/2003	14,525,784	14,700,165	14,620,721	14,688,312	14,854,506	14,822,691			
12/31/2004	14,747,055	14,637,046	14,814,206	14,861,187	14,836,753				
12/31/2005	13,110,116	13,128,277	13,125,318	13,067,484					
12/31/2006	16,939,294	17,142,863	17,040,085						
12/31/2007	18,245,617	18,712,106							
12/31/2008	17,733,383								

PRODUCTS (Subline Code 336)
 FULL COVERAGE
 MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	1.436	1.312	1.129	0.991	0.992	1.042	0.961	0.992	1.004	0.994	1.001
12/31/2001	1.496	1.284	1.040	1.026	0.999	1.017	1.020	0.983	0.992	1.019	1.018
12/31/2002	1.525	1.348	1.135	0.952	0.948	0.977	0.984	1.000	1.002	1.020	1.032
12/31/2003	1.579	1.247	1.064	0.960	0.951	0.979	1.034	1.024	1.013	0.998	1.001
12/31/2004	1.514	1.323	1.112	0.964	0.939	1.005	0.992	1.025	1.008	1.000	0.991
12/31/2005	1.189	1.287	0.993	1.026	0.991	0.987	1.017	0.983	1.000	0.995	0.992
12/31/2006	1.579	1.336	1.012	0.960	1.010	0.997	1.012	1.015	0.997	0.979	1.018
12/31/2007	1.559	1.236	1.057	0.993	1.006	0.970	1.000	0.988	0.994	1.007	0.999
12/31/2008	1.435	1.195	1.050	1.101	0.932	0.987	0.995	1.002	1.003	1.014	1.004
12/31/2009	1.273	1.186	1.018	0.984	1.006	0.991	1.005	0.997	1.016	1.021	
12/31/2010	1.389	1.098	1.041	1.010	0.922	0.985	1.000	1.002	0.995		
12/31/2011	1.373	1.275	1.020	0.963	0.986	0.991	1.010	1.034			
12/31/2012	1.491	1.290	1.016	1.009	0.973	0.989	1.045				
12/31/2013	1.499	1.375	1.075	1.024	0.986	1.026					
12/31/2014	1.382	1.363	1.135	0.961	1.044						
12/31/2015	1.362	1.322	1.097	0.972							
12/31/2016	1.435	1.317	1.071								
12/31/2017	1.542	1.343									
12/31/2018	1.444										
3 Yr Mean	1.474	1.327	1.101	0.986	1.001	1.002	1.018	1.011	1.005	1.014	1.007
Best 3/5	1.420	1.343	1.081	0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231				
12/31/2000	1.010	1.003	1.013	1.016	1.003	1.028	1.002	1.002				
12/31/2001	1.005	1.014	1.018	0.997	1.013	1.001	1.000	1.000	*			
12/31/2002	0.979	1.008	0.978	1.017	0.999	1.000	1.000	1.000	*			
12/31/2003	1.012	0.995	1.005	1.011	0.998	1.001	1.000	1.000	*			
12/31/2004	0.993	1.012	1.003	0.998	1.008	1.001	1.000	1.000	*			
12/31/2005	1.001	1.000	0.996									
12/31/2006	1.012	0.994										
12/31/2007	1.026											
3 Yr Mean	1.013	1.002	1.001	1.009	1.003	@	1.010	@	1.001	@	1.002	@
Best 3/5	1.008	1.001	1.001	1.008	1.003	*	1.001	*	1.000	*	1.000	*

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					0.982	0.990	1.005	1.000	0.998	1.005	0.998
12/31/2016				0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998
12/31/2017			1.081	0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998
12/31/2018		1.343	1.081	0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998
12/31/2019	1.420	1.343	1.081	0.981	0.982	0.990	1.005	1.000	0.998	1.005	0.998

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	1.000
12/31/2016	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	0.981
12/31/2017	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	1.060
12/31/2018	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	1.424
12/31/2019	1.008	1.001	1.001	1.008	1.003	1.001	1.000	1.000	1.000*	2.022

* 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
12/31/2000	873,634	1,075,574	1,264,786	1,553,268	1,443,449	1,419,159	1,419,163	1,539,750	1,631,917	1,528,279	1,657,475
12/31/2001	498,854	1,028,391	1,407,213	1,805,523	1,580,359	1,465,659	1,664,728	1,634,588	1,672,959	1,590,024	1,611,023
12/31/2002	544,701	1,105,166	1,578,740	1,506,828	1,743,546	1,739,779	1,813,428	1,637,505	1,610,578	1,612,973	1,610,628
12/31/2003	638,664	916,783	958,041	1,459,977	1,199,336	1,180,799	1,300,405	1,291,916	1,294,391	1,300,140	1,302,251
12/31/2004	1,259,180	1,530,336	1,941,957	2,221,735	2,165,491	2,131,175	2,095,646	2,166,085	2,164,890	2,166,354	2,166,558
12/31/2005	888,062	1,168,184	1,878,322	1,885,652	1,305,631	1,305,665	1,345,415	1,276,574	1,175,438	1,171,672	1,176,172
12/31/2006	1,340,484	1,854,486	2,200,712	1,941,673	1,681,231	1,612,987	1,547,736	1,595,185	1,495,268	1,499,768	1,527,326
12/31/2007	1,689,707	2,256,956	2,097,368	2,261,583	2,326,803	1,957,256	1,964,355	2,074,732	2,079,132	2,104,132	2,114,407
12/31/2008	1,138,042	1,538,456	1,941,961	1,984,373	2,050,592	2,101,219	2,216,733	2,189,203	2,114,204	2,101,854	2,199,628
12/31/2009	912,994	1,171,556	1,367,870	1,431,676	1,666,190	1,812,731	1,757,492	1,752,493	1,844,719	1,942,492	1,942,892
12/31/2010	1,027,500	1,740,936	1,637,725	1,765,625	1,849,562	1,947,469	1,900,800	1,803,024	2,391,943	2,037,891	
12/31/2011	1,218,383	1,754,275	2,018,417	1,730,949	1,708,771	1,713,520	1,811,521	1,818,619	1,788,519		
12/31/2012	959,829	1,256,122	1,670,834	1,495,076	1,369,224	1,591,159	1,694,233	1,630,938			
12/31/2013	743,389	1,164,532	1,333,962	1,554,424	1,636,437	1,696,686	1,738,135				
12/31/2014	592,767	1,205,729	1,509,544	1,687,940	1,752,715	1,675,637					
12/31/2015	866,797	1,281,265	1,275,846	1,587,857	1,833,976						
12/31/2016	862,318	928,240	1,278,113	1,393,807							
12/31/2017	418,811	1,320,819	1,696,420								
12/31/2018	841,713	793,494									
12/31/2019	1,077,916										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	1,709,598	1,689,827	1,806,358	1,842,117	1,832,665	1,921,046	1,924,045	1,924,920	1,926,320
12/31/2001	1,633,398	1,595,148	1,605,002	1,602,240	1,598,241	1,604,840	1,598,240	1,601,540	
12/31/2002	1,610,628	1,611,258	1,635,357	1,638,058	1,638,057	1,638,057	1,643,227		
12/31/2003	1,302,267	1,302,366	1,305,067	1,305,066	1,305,066	1,305,111			
12/31/2004	2,165,661	2,168,362	2,168,361	2,168,361	2,169,306				
12/31/2005	1,178,881	1,178,973	1,178,872	1,178,917					
12/31/2006	1,502,125	1,502,125	1,502,170						
12/31/2007	2,131,632	2,141,677							
12/31/2008	2,199,928								

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

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	1.231	1.176	1.228	0.929	0.983	1.000	1.085	1.060	0.936	1.085	1.031
12/31/2001	2.062	1.368	1.283	0.875	0.927	1.136	0.982	1.023	0.950	1.013	1.014
12/31/2002	2.029	1.429	0.954	1.157	0.998	1.042	0.903	0.984	1.001	0.999	1.000
12/31/2003	1.435	1.045	1.524	0.821	0.985	1.101	0.993	1.002	1.004	1.002	1.000
12/31/2004	1.215	1.269	1.144	0.975	0.984	0.983	1.034	0.999	1.001	1.000	1.000
12/31/2005	1.315	1.608	1.004	0.692	1.000	1.030	0.949	0.921	0.997	1.004	1.002
12/31/2006	1.383	1.187	0.882	0.866	0.959	0.960	1.031	0.937	1.003	1.018	0.983
12/31/2007	1.336	0.929	1.078	1.029	0.841	1.004	1.056	1.002	1.012	1.005	1.008
12/31/2008	1.352	1.262	1.022	1.033	1.025	1.055	0.988	0.966	0.994	1.047	1.000
12/31/2009	1.283	1.168	1.047	1.164	1.088	0.970	0.997	1.053	1.053	1.000	
12/31/2010	1.694	0.941	1.078	1.048	1.053	0.976	0.949	1.327	0.852		
12/31/2011	1.440	1.151	0.858	0.987	1.003	1.057	1.004	0.983			
12/31/2012	1.309	1.330	0.895	0.916	1.162	1.065	0.963				
12/31/2013	1.567	1.145	1.165	1.053	1.037	1.024					
12/31/2014	2.034	1.252	1.118	1.038	0.956						
12/31/2015	1.478	0.996	1.245	1.155							
12/31/2016	1.076	1.377	1.091								
12/31/2017	3.154	1.284									
12/31/2018	0.943										
3 Yr Mean	1.724	1.219	1.151	1.082	1.052	1.049	0.972	1.121	0.966	1.017	0.997
Best 3/5	1.529	1.227	1.125	1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231		
12/31/2000	0.988	1.069	1.020	0.995	1.048	1.002	1.000	1.001		
12/31/2001	0.977	1.006	0.998	0.998	1.004	0.996	1.002	1.000 *		
12/31/2002	1.000	1.015	1.002	1.000	1.015	0.988	1.000 *	1.000 *		
12/31/2003	1.000	1.002	1.000	1.000	1.000	1.006 *	1.000 *	1.000 *		
12/31/2004	1.001	1.000	1.000	1.000	0.999 *	1.006 *	1.000 *	1.000 *		
12/31/2005	1.000	1.000	1.000							
12/31/2006	1.000	1.000								
12/31/2007	1.005									
3 Yr Mean	1.002	1.000	1.000	1.000	1.006 @	0.995 @	1.001 @	1.001 @		
Best 3/5	1.000	1.001	1.000	0.999	1.006 *	1.001 *	1.000 *	1.000 *		

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					1.031	1.019	0.983	1.013	1.003	1.009	1.001
12/31/2016				1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001
12/31/2017			1.125	1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001
12/31/2018		1.227	1.125	1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001
12/31/2019	1.529	1.227	1.125	1.026	1.031	1.019	0.983	1.013	1.003	1.009	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	1.067
12/31/2016	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	1.095
12/31/2017	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	1.232
12/31/2018	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	1.511
12/31/2019	1.000	1.001	1.000	0.999	1.006	1.001	1.000	1.000	1.000*	2.311

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

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

A.Y.E	Allocated Expenses as of:										
	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/2000	1,141,242	4,131,110	7,821,507	11,414,210	12,889,203	14,098,635	16,548,165	17,260,558	18,394,302	19,137,441	19,321,547
12/31/2001	1,879,499	5,333,140	8,433,876	10,458,465	13,585,015	15,229,421	16,998,573	18,653,799	19,028,381	19,000,307	19,337,132
12/31/2002	1,573,982	3,776,374	8,102,830	12,481,658	15,611,075	18,623,205	18,850,667	19,603,597	20,116,966	20,572,941	20,847,250
12/31/2003	1,493,285	4,235,351	8,798,724	14,403,987	18,413,145	20,076,406	20,526,072	21,482,732	21,190,440	22,143,797	23,296,658
12/31/2004	1,153,172	2,932,383	6,393,270	10,669,644	13,402,340	13,197,829	14,504,758	15,330,291	16,219,286	17,412,926	17,560,643
12/31/2005	1,494,440	3,370,465	5,962,291	8,512,450	10,792,471	12,837,220	12,881,117	13,207,743	13,421,356	13,851,883	13,821,305
12/31/2006	1,911,372	6,481,668	8,767,721	11,755,653	13,715,292	15,442,151	18,077,585	19,388,546	18,404,501	18,485,994	18,502,903
12/31/2007	2,355,547	6,929,749	10,794,355	14,608,189	17,873,357	19,625,501	20,789,339	21,016,728	21,244,052	25,571,110	25,578,335
12/31/2008	1,709,261	4,115,443	7,972,706	13,997,587	18,189,562	20,366,787	20,255,891	20,674,820	21,021,232	21,192,066	21,342,527
12/31/2009	3,184,902	5,540,342	9,963,842	12,794,101	15,201,539	16,266,092	16,309,614	16,598,695	16,600,429	16,718,787	16,899,605
12/31/2010	2,080,715	5,684,255	9,737,774	15,136,556	17,196,648	17,991,424	18,169,354	18,343,829	18,466,154	18,744,804	
12/31/2011	2,412,515	5,417,781	9,895,014	13,375,646	15,454,013	16,801,269	17,879,056	17,715,625	18,241,154		
12/31/2012	2,667,191	7,809,205	15,917,305	20,900,892	24,459,912	27,366,857	27,822,853	28,765,028			
12/31/2013	1,535,398	4,947,700	8,792,939	11,728,594	13,973,746	14,936,905	15,718,114				
12/31/2014	1,435,887	3,996,515	8,016,565	12,037,336	14,744,477	16,058,071					
12/31/2015	2,083,391	4,293,340	7,357,259	11,480,722	14,434,164						
12/31/2016	1,428,474	3,352,951	7,750,502	11,235,695							
12/31/2017	1,232,704	3,496,896	8,085,121								
12/31/2018	2,077,961	5,279,581									
12/31/2019	1,052,466										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	19,651,097	20,000,138	20,384,277	20,515,147	20,729,112	20,907,102	21,047,898	21,345,551	21,488,527
12/31/2001	19,634,940	19,975,972	20,255,233	20,558,003	20,768,260	21,078,002	21,249,753	21,419,947	
12/31/2002	23,301,134	23,220,819	23,194,480	22,447,993	22,575,619	23,093,116	23,408,882		
12/31/2003	23,232,766	23,494,353	22,826,602	22,921,993	22,963,875	23,042,396			
12/31/2004	17,716,708	17,840,248	17,969,763	18,223,687	18,135,708				
12/31/2005	13,950,327	14,042,319	14,093,949	14,150,600					
12/31/2006	18,516,103	18,690,217	18,771,734						
12/31/2007	25,681,102	26,100,334							
12/31/2008	21,617,229								

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

A.Y.E	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/2000	2,989,868	3,690,397	3,592,703	1,474,993	1,209,432	2,449,530	712,393	1,133,744	743,139	184,106	329,550	349,041	384,139
12/31/2001	3,453,641	3,100,736	2,024,589	3,126,550	1,644,406	1,769,152	1,655,226	374,582	-28,074	336,825	297,808	341,032	279,261
12/31/2002	2,202,392	4,326,456	4,378,828	3,129,417	3,012,130	227,462	752,930	513,369	455,975	274,309	2,453,884	-80,315	-26,339
12/31/2003	2,742,066	4,563,373	5,605,263	4,009,158	1,663,261	449,666	956,660	-292,292	953,357	1,152,861	-63,892	261,587	-667,751
12/31/2004	1,779,211	3,460,887	4,276,374	2,732,696	-204,511	1,306,929	825,533	888,995	1,193,640	147,717	156,065	123,540	129,515
12/31/2005	1,876,025	2,591,826	2,550,159	2,280,021	2,044,749	43,897	326,626	213,613	430,527	-30,578	129,022	91,992	51,630
12/31/2006	4,570,296	2,286,053	2,987,932	1,959,639	1,726,859	2,635,434	1,310,961	-984,045	81,493	16,909	13,200	174,114	81,517
12/31/2007	4,574,202	3,864,606	3,813,834	3,265,168	1,752,144	1,163,838	227,389	227,324	4,327,058	7,225	102,767	419,232	
12/31/2008	2,406,182	3,857,263	6,024,881	4,191,975	2,177,225	-110,896	418,929	346,412	170,834	150,461	274,702		
12/31/2009	2,355,440	4,423,500	2,830,259	2,407,438	1,064,553	43,522	289,081	1,734	118,358	180,818			
12/31/2010	3,603,540	4,053,519	5,398,782	2,060,092	794,776	177,930	174,475	122,325	278,650				
12/31/2011	3,005,266	4,477,233	3,480,632	2,078,367	1,347,256	1,077,787	-163,431	525,529					
12/31/2012	5,142,014	8,108,100	4,983,587	3,559,020	2,906,945	455,996	942,175						
12/31/2013	3,412,302	3,845,239	2,935,655	2,245,152	963,159	781,209							
12/31/2014	2,560,628	4,020,050	4,020,771	2,707,141	1,313,594								
12/31/2015	2,209,949	3,063,919	4,123,463	2,953,442									
12/31/2016	1,924,477	4,397,551	3,485,193										
12/31/2017	2,264,192	4,588,225											
12/31/2018	3,201,620												

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
12/31/2000	0.0969	0.1196	0.1165	0.0478	0.0392	0.0794	0.0231	0.0368	0.0241	0.0060	0.0107	0.0113	0.0125
12/31/2001	0.1039	0.0933	0.0609	0.0940	0.0495	0.0532	0.0498	0.0113	-0.0008	0.0101	0.0090	0.0103	0.0084
12/31/2002	0.0795	0.1562	0.1581	0.1130	0.1087	0.0082	0.0272	0.0185	0.0165	0.0099	0.0886	-0.0029	-0.0010
12/31/2003	0.0904	0.1504	0.1847	0.1321	0.0548	0.0148	0.0315	-0.0096	0.0314	0.0380	-0.0021	0.0086	-0.0220
12/31/2004	0.0675	0.1313	0.1623	0.1037	-0.0078	0.0496	0.0313	0.0337	0.0453	0.0056	0.0059	0.0047	0.0049
12/31/2005	0.0642	0.0886	0.0872	0.0780	0.0699	0.0015	0.0112	0.0073	0.0147	-0.0010	0.0044	0.0031	0.0018
12/31/2006	0.1335	0.0668	0.0873	0.0573	0.0505	0.0770	0.0383	-0.0288	0.0024	0.0005	0.0004	0.0051	0.0024
12/31/2007	0.1206	0.1019	0.1005	0.0861	0.0462	0.0307	0.0060	0.0060	0.1141	0.0002	0.0027	0.0111	
12/31/2008	0.0708	0.1135	0.1772	0.1233	0.0641	-0.0033	0.0123	0.0102	0.0050	0.0044	0.0081		
12/31/2009	0.0670	0.1259	0.0805	0.0685	0.0303	0.0012	0.0082	0.0000	0.0034	0.0051			
12/31/2010	0.1065	0.1198	0.1595	0.0609	0.0235	0.0053	0.0052	0.0036	0.0082				
12/31/2011	0.1040	0.1550	0.1205	0.0719	0.0466	0.0373	-0.0057	0.0182					
12/31/2012	0.1477	0.2329	0.1432	0.1022	0.0835	0.0131	0.0271						
12/31/2013	0.1158	0.1305	0.0996	0.0762	0.0327	0.0265							
12/31/2014	0.0770	0.1209	0.1210	0.0814	0.0395								
12/31/2015	0.0932	0.1291	0.1738	0.1245									
12/31/2016	0.0828	0.1891	0.1499										
12/31/2017	0.0805	0.1632											
12/31/2018	0.0931												

Best 3/5 0.0855 0.1409 0.1380 0.0866 0.0396 0.0150 0.0086 0.0066 0.0055 0.0017 0.0043 0.0061 0.0011

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

A.Y.E.	Link Ratios						
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/2000	1.006	1.010	1.009	1.007	1.014	1.007	1.033 *
12/31/2001	1.015	1.010	1.015	1.008	1.008	1.008 *	1.033 *
12/31/2002	0.968	1.006	1.023	1.014	1.009 *	1.008 *	1.033 *
12/31/2003	1.004	1.002	1.003	1.009 *	1.009 *	1.008 *	1.033 *
12/31/2004	1.014	0.995	1.005 *	1.009 *	1.009 *	1.008 *	1.033 *
12/31/2005	1.004						
Best 3/5	1.007	1.006	1.009 *	1.009 *	1.009 *	1.008 *	1.033 *

171 to Ultimate Factor: 1.084

Months-to-Ultimate	Cumulative Incremental Factors						
	15	27	39	51	63	75	87
	0.540	0.454	0.313	0.175	0.089	0.049	0.034
Months-to-Ultimate	99	111	123	135	147	159	171
	0.025	0.019	0.013	0.012	0.007	0.001	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	8,108,570	28,502,182	0.313	8,921,186	17,029,756	1.084	18,459,984
12/31/2018	5,407,503	36,342,882	0.454	16,499,669	21,907,172	1.084	23,747,125
12/31/2019	1,044,122	25,887,798	0.540	13,979,404	15,023,526	1.084	16,285,287

* 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
12/31/2000	9,442,453	12,595,997	14,511,970	15,343,878	16,676,192	17,703,603	18,552,945	19,303,760	19,549,456	19,875,358	19,888,742
12/31/2001	11,352,927	14,665,038	18,711,896	19,696,500	19,611,935	20,309,474	21,442,362	21,341,015	21,845,669	22,043,334	22,328,133
12/31/2002	9,140,824	14,207,988	17,186,817	16,683,379	16,557,917	17,662,370	17,931,886	18,086,542	18,329,249	18,592,359	19,095,692
12/31/2003	10,897,192	12,589,552	14,878,060	16,148,413	17,510,366	18,785,505	19,117,935	19,730,659	20,298,476	20,586,735	20,682,183
12/31/2004	10,021,997	12,167,902	13,583,994	13,950,681	15,326,855	15,316,667	15,660,603	16,042,499	16,191,023	16,583,240	16,740,575
12/31/2005	11,527,978	13,714,275	13,727,131	14,394,665	14,762,252	15,242,516	15,208,555	16,231,598	16,299,313	16,940,340	17,252,157
12/31/2006	12,722,815	14,463,715	15,677,271	15,956,752	17,020,413	17,450,985	18,183,484	20,046,811	20,648,948	20,475,092	20,590,175
12/31/2007	17,124,759	19,503,428	20,500,343	20,625,847	21,786,418	22,593,375	23,929,136	24,613,440	24,910,504	25,665,904	26,242,419
12/31/2008	16,582,353	19,627,203	21,194,465	22,239,627	23,203,853	24,352,152	25,053,533	25,570,499	26,129,971	26,603,865	26,782,852
12/31/2009	18,862,503	21,787,343	23,590,782	23,596,808	23,808,579	24,526,676	24,191,140	24,840,688	25,193,460	25,077,777	25,371,362
12/31/2010	18,169,384	20,850,476	22,144,693	22,618,382	22,649,384	23,330,665	23,373,353	23,751,251	24,103,830	24,276,952	
12/31/2011	14,767,208	16,412,327	17,237,787	18,607,499	18,973,542	19,480,766	20,045,028	20,605,631	20,664,707		
12/31/2012	15,310,538	16,578,296	18,263,545	20,451,249	20,897,694	21,240,826	21,567,032	21,735,928			
12/31/2013	13,813,933	16,461,182	17,918,370	18,180,611	18,941,231	19,377,705	19,666,778				
12/31/2014	13,289,016	15,586,803	17,017,645	17,133,679	17,421,951	17,444,627					
12/31/2015	14,091,105	15,062,232	15,589,195	16,225,755	17,677,801						
12/31/2016	13,950,535	16,856,463	18,452,036	18,937,789							
12/31/2017	13,580,524	17,066,171	18,296,115								
12/31/2018	12,825,670	14,924,657									
12/31/2019	15,061,958										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/2000	19,658,847	19,804,510	19,653,391	19,639,748	19,641,139	19,639,767	19,641,968	19,631,468	19,631,468		
12/31/2001	22,350,671	22,110,186	21,963,916	22,013,589	21,966,440	21,973,267	21,962,467	21,862,465			
12/31/2002	19,207,079	19,292,462	19,330,684	19,431,364	19,431,070	19,362,558	19,259,058				
12/31/2003	21,167,516	20,967,264	20,927,351	20,957,593	20,940,356	20,979,031					
12/31/2004	16,949,494	16,886,578	17,046,720	16,798,398	16,692,432						
12/31/2005	17,116,162	17,027,682	17,254,927	17,203,957							
12/31/2006	20,413,758	20,738,236	20,749,176								
12/31/2007	26,379,519	26,390,557									
12/31/2008	26,845,848										

PRODUCTS (Subline Code 336)
 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
12/31/2000	1.334	1.152	1.057	1.087	1.062	1.048	1.040	1.013	1.017	1.001	0.988
12/31/2001	1.292	1.276	1.053	0.996	1.036	1.056	0.995	1.024	1.009	1.013	1.001
12/31/2002	1.554	1.210	0.971	0.992	1.067	1.015	1.009	1.013	1.014	1.027	1.006
12/31/2003	1.155	1.182	1.085	1.084	1.073	1.018	1.032	1.029	1.014	1.005	1.023
12/31/2004	1.214	1.116	1.027	1.099	0.999	1.022	1.024	1.009	1.024	1.009	1.012
12/31/2005	1.190	1.001	1.049	1.026	1.033	0.998	1.067	1.004	1.039	1.018	0.992
12/31/2006	1.137	1.084	1.018	1.067	1.025	1.042	1.102	1.030	0.992	1.006	0.991
12/31/2007	1.139	1.051	1.006	1.056	1.037	1.059	1.029	1.012	1.030	1.022	1.005
12/31/2008	1.184	1.080	1.049	1.043	1.049	1.029	1.021	1.022	1.018	1.007	1.002
12/31/2009	1.155	1.083	1.000	1.009	1.030	0.986	1.027	1.014	0.995	1.012	
12/31/2010	1.148	1.062	1.021	1.001	1.030	1.002	1.016	1.015	1.007		
12/31/2011	1.111	1.050	1.079	1.020	1.027	1.029	1.028	1.003			
12/31/2012	1.083	1.102	1.120	1.022	1.016	1.015	1.008				
12/31/2013	1.192	1.089	1.015	1.042	1.023	1.015					
12/31/2014	1.173	1.092	1.007	1.017	1.001						
12/31/2015	1.069	1.035	1.041	1.089							
12/31/2016	1.208	1.095	1.026								
12/31/2017	1.257	1.072									
12/31/2018	1.164										
3 Yr Mean	1.210	1.067	1.025	1.049	1.013	1.020	1.017	1.011	1.007	1.014	0.999
Best 3/5	1.182	1.084	1.027	1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	1.007	0.992	0.999	1.000	1.000	1.000	0.999	1.000			
12/31/2001	0.989	0.993	1.002	0.998	1.000	1.000	0.995	1.000 *			
12/31/2002	1.004	1.002	1.005	1.000	0.996	0.995	1.000 *	1.000 *			
12/31/2003	0.991	0.998	1.001	0.999	1.002	1.000 *	1.000 *	1.000 *			
12/31/2004	0.996	1.009	0.985	0.994	0.999 *	1.000 *	1.000 *	1.000 *			
12/31/2005	0.995	1.013	0.997								
12/31/2006	1.016	1.001									
12/31/2007	1.000										
3 Yr Mean	1.004	1.008	0.994	0.998	0.999 @	0.998 @	0.997 @	1.000 @			
Best 3/5	0.997	1.004	1.000	0.999	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					1.022	1.011	1.021	1.014	1.007	1.012	1.000
12/31/2016				1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000
12/31/2017			1.027	1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000
12/31/2018		1.084	1.027	1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000
12/31/2019	1.182	1.084	1.027	1.028	1.022	1.011	1.021	1.014	1.007	1.012	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.090
12/31/2016	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.121
12/31/2017	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.151
12/31/2018	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.248
12/31/2019	0.997	1.004	1.000	0.999	1.000	1.000	1.000	1.000	1.000*	1.475

* 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
12/31/2000	881,981	1,403,398	1,852,970	1,697,543	1,785,874	1,955,489	2,343,312	2,529,715	2,673,661	2,888,667	2,958,533
12/31/2001	1,655,036	1,846,021	2,447,574	2,733,510	2,661,869	2,972,417	3,420,201	3,992,819	4,235,048	4,353,126	4,501,760
12/31/2002	792,779	1,413,278	1,684,193	2,099,656	2,690,430	2,814,672	2,966,986	3,081,315	3,682,598	3,669,629	3,668,830
12/31/2003	1,084,908	1,076,791	1,011,567	1,154,325	1,208,991	1,352,096	1,708,264	1,723,839	1,748,735	1,891,159	2,146,041
12/31/2004	698,423	1,285,503	1,590,908	1,341,501	1,211,530	1,263,277	1,250,828	1,220,525	1,323,174	1,420,512	1,420,706
12/31/2005	1,676,537	2,785,909	2,745,447	3,135,472	3,014,131	2,884,907	3,239,455	3,252,628	3,344,161	3,265,944	3,217,114
12/31/2006	2,709,173	3,828,126	4,450,110	4,142,996	4,085,655	4,220,634	4,658,488	4,730,271	4,856,970	4,985,919	5,020,003
12/31/2007	3,147,987	2,934,228	2,794,920	2,895,503	3,112,600	3,148,951	3,143,182	3,394,358	3,510,333	3,526,243	3,646,779
12/31/2008	2,296,149	2,532,105	3,008,852	3,125,863	2,919,539	2,977,845	3,144,737	3,232,876	3,243,072	3,163,285	3,270,284
12/31/2009	3,451,977	3,425,352	2,994,398	3,053,973	3,222,320	3,442,737	3,351,690	3,477,798	3,516,547	3,704,094	3,758,463
12/31/2010	1,964,884	2,830,798	3,057,448	2,849,819	2,837,586	2,948,116	2,975,358	2,895,560	2,945,573	3,180,473	
12/31/2011	3,184,589	3,208,492	3,039,215	3,044,912	3,222,783	3,135,788	3,099,706	3,099,229	3,104,205		
12/31/2012	2,644,430	2,762,516	2,902,587	2,810,472	2,922,504	2,700,270	2,713,625	2,747,281			
12/31/2013	3,491,847	3,527,426	3,640,383	3,595,202	3,547,940	3,622,641	3,584,464				
12/31/2014	2,971,920	3,952,572	4,092,912	4,219,687	4,255,953	4,259,286					
12/31/2015	2,289,847	2,368,540	2,762,369	2,902,685	3,017,091						
12/31/2016	2,185,048	2,514,756	2,265,683	2,420,753							
12/31/2017	1,861,919	2,388,729	2,887,762								
12/31/2018	2,278,343	3,221,640									
12/31/2019	2,099,509										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	2,871,789	2,821,996	2,829,669	2,827,533	2,822,212	2,822,212	2,887,141	2,887,140	2,887,140
12/31/2001	4,344,086	4,302,255	4,252,584	4,233,255	4,160,727	4,165,730	4,158,726	4,058,726	
12/31/2002	3,414,029	3,363,807	3,312,706	3,302,706	3,305,040	3,303,204	3,103,104		
12/31/2003	2,213,739	2,242,476	2,184,929	2,183,053	2,181,551	2,181,551			
12/31/2004	1,390,904	1,442,905	1,437,904	1,437,804	1,445,804				
12/31/2005	3,232,614	3,265,478	3,324,946	3,285,946					
12/31/2006	5,034,718	5,017,315	4,909,931						
12/31/2007	3,525,740	3,501,019							
12/31/2008	3,236,184								

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

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	1.591	1.320	0.916	1.052	1.095	1.198	1.080	1.057	1.080	1.024	0.971
12/31/2001	1.115	1.326	1.117	0.974	1.117	1.151	1.167	1.061	1.028	1.034	0.965
12/31/2002	1.783	1.192	1.247	1.281	1.046	1.054	1.039	1.195	0.996	1.000	0.931
12/31/2003	0.993	0.939	1.141	1.047	1.118	1.263	1.009	1.014	1.081	1.135	1.032
12/31/2004	1.841	1.238	0.843	0.903	1.043	0.990	0.976	1.084	1.074	1.000	0.979
12/31/2005	1.662	0.985	1.142	0.961	0.957	1.123	1.004	1.028	0.977	0.985	1.005
12/31/2006	1.413	1.162	0.931	0.986	1.033	1.104	1.015	1.027	1.027	1.007	1.003
12/31/2007	0.932	0.953	1.036	1.075	1.012	0.998	1.080	1.034	1.005	1.034	0.967
12/31/2008	1.103	1.188	1.039	0.934	1.020	1.056	1.028	1.003	0.975	1.034	0.990
12/31/2009	0.992	0.874	1.020	1.055	1.068	0.974	1.038	1.011	1.053	1.015	
12/31/2010	1.441	1.080	0.932	0.996	1.039	1.009	0.973	1.017	1.080		
12/31/2011	1.008	0.947	1.002	1.058	0.973	0.988	1.000	1.002			
12/31/2012	1.045	1.051	0.968	1.040	0.924	1.005	1.012				
12/31/2013	1.010	1.032	0.988	0.987	1.021	0.989					
12/31/2014	1.330	1.036	1.031	1.009	1.001						
12/31/2015	1.034	1.166	1.051	1.039							
12/31/2016	1.151	0.901	1.068								
12/31/2017	1.283	1.209									
12/31/2018	1.414										
3 Yr Mean	1.283	1.092	1.050	1.012	0.982	0.994	0.995	1.010	1.036	1.028	0.987
Best 3/5	1.255	1.078	1.023	1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	0.983	1.003	0.999	0.998	1.000	1.023	1.000	1.000			
12/31/2001	0.990	0.988	0.995	0.983	1.001	0.998	0.976	0.999 *			
12/31/2002	0.985	0.985	0.997	1.001	0.999	0.939	0.999 *	0.999 *			
12/31/2003	1.013	0.974	0.999	0.999	1.000	1.000 *	0.999 *	0.999 *			
12/31/2004	1.037	0.997	1.000	1.006	1.000 *	1.000 *	0.999 *	0.999 *			
12/31/2005	1.010	1.018	0.988								
12/31/2006	0.997	0.979									
12/31/2007	0.993										
3 Yr Mean	1.000	0.998	0.996	1.002	1.000 @	0.987 @	0.988 @	1.000 @			
Best 3/5	1.007	0.987	0.997	0.999	1.000 *	0.999 *	0.999 *	0.999 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					0.998	0.994	1.013	1.010	1.028	1.019	0.991
12/31/2016				1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991
12/31/2017			1.023	1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991
12/31/2018		1.078	1.023	1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991
12/31/2019	1.255	1.078	1.023	1.029	0.998	0.994	1.013	1.010	1.028	1.019	0.991

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.036
12/31/2016	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.066
12/31/2017	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.090
12/31/2018	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.175
12/31/2019	1.007	0.987	0.997	0.999	1.000	0.999	0.999	0.999	0.996*	1.475

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

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

A.Y.E	Allocated Expenses as of:										
	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2000	2,438,105	3,613,367	5,954,589	9,767,256	12,101,265	15,235,357	17,770,451	18,669,999	19,274,305	20,102,474	20,541,468
12/31/2001	1,952,266	3,397,326	5,939,847	9,331,805	12,770,624	14,602,193	17,314,604	18,748,523	20,075,583	19,263,149	19,467,665
12/31/2002	1,149,378	3,177,236	6,301,355	8,177,921	10,109,044	11,325,082	12,107,954	14,045,611	13,469,406	13,578,191	14,107,520
12/31/2003	1,566,409	3,764,569	6,375,247	10,308,523	12,191,814	14,069,866	15,835,331	16,926,882	17,946,487	18,950,239	19,751,598
12/31/2004	1,204,922	2,683,943	5,393,258	7,861,179	10,224,589	11,996,951	13,356,197	14,385,812	15,585,680	16,621,310	17,285,681
12/31/2005	2,114,679	4,451,905	7,673,461	7,708,910	8,856,758	10,106,473	12,329,414	13,933,149	15,070,380	16,227,123	17,345,774
12/31/2006	1,462,809	3,531,285	6,712,138	9,562,897	11,465,757	13,488,637	14,893,579	17,092,326	20,206,214	20,798,240	21,588,142
12/31/2007	1,965,782	3,841,019	5,846,296	9,121,386	11,347,372	13,351,437	14,721,517	17,009,105	18,167,763	20,004,092	21,185,677
12/31/2008	1,722,948	4,705,925	8,668,380	11,988,035	15,083,631	17,534,796	19,000,073	19,945,893	20,587,707	21,371,779	21,654,030
12/31/2009	4,305,135	9,374,722	15,771,463	19,239,757	22,526,804	26,263,211	27,235,504	28,697,686	30,215,272	30,835,271	31,211,218
12/31/2010	2,449,705	5,502,180	10,181,707	15,212,106	19,566,777	21,556,674	22,841,387	23,270,112	23,855,772	24,215,342	
12/31/2011	2,501,273	4,654,993	8,300,801	11,567,518	14,493,103	17,194,915	18,643,432	19,867,474	20,462,773		
12/31/2012	3,045,424	7,744,139	12,957,225	19,847,211	21,758,424	24,154,189	28,218,676	33,865,759			
12/31/2013	2,829,165	6,135,641	9,591,856	13,439,281	16,061,381	18,119,100	21,234,372				
12/31/2014	3,274,751	5,865,940	8,915,766	11,489,729	13,648,224	14,608,231					
12/31/2015	2,550,540	5,300,251	8,603,903	10,972,399	13,557,097						
12/31/2016	4,284,893	10,105,422	16,511,348	19,198,593							
12/31/2017	2,610,114	4,732,008	8,178,650								
12/31/2018	2,440,051	4,613,853									
12/31/2019	2,741,778										

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>
12/31/2000	21,056,307	21,408,357	21,569,012	21,508,631	21,765,649	21,762,734	21,740,441	21,742,743	21,742,743
12/31/2001	19,952,120	20,413,892	20,922,294	20,966,353	20,950,816	20,963,982	20,967,173	20,972,127	
12/31/2002	14,475,913	14,765,771	14,962,527	15,048,716	15,076,863	15,076,583	15,081,236		
12/31/2003	21,009,873	21,206,082	21,866,776	21,919,664	21,825,716	21,860,763			
12/31/2004	18,192,020	18,498,027	18,537,199	18,673,250	18,669,397				
12/31/2005	18,187,227	19,249,640	19,619,779	19,388,430					
12/31/2006	21,689,825	21,890,215	21,987,646						
12/31/2007	21,902,850	22,276,493							
12/31/2008	22,267,327								

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

A.Y.E	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/2000	1,175,262	2,341,222	3,812,667	2,334,009	3,134,092	2,535,094	899,548	604,306	828,169	438,994	514,839	352,050	160,655
12/31/2001	1,445,060	2,542,521	3,391,958	3,438,819	1,831,569	2,712,411	1,433,919	1,327,060	-812,434	204,516	484,455	461,772	508,402
12/31/2002	2,027,858	3,124,119	1,876,566	1,931,123	1,216,038	782,872	1,937,657	-576,205	108,785	529,329	368,393	289,858	196,756
12/31/2003	2,198,160	2,610,678	3,933,276	1,883,291	1,878,052	1,765,465	1,091,551	1,019,605	1,003,752	801,359	1,258,275	196,209	660,694
12/31/2004	1,479,021	2,709,315	2,467,921	2,363,410	1,772,362	1,359,246	1,029,615	1,199,868	1,035,630	664,371	906,339	306,007	39,172
12/31/2005	2,337,226	3,221,556	35,449	1,147,848	1,249,715	2,222,941	1,603,735	1,137,231	1,156,743	1,118,651	841,453	1,062,413	370,139
12/31/2006	2,068,476	3,180,853	2,850,759	1,902,860	2,022,880	1,404,942	2,198,747	3,113,888	592,026	789,902	101,683	200,390	97,431
12/31/2007	1,875,237	2,005,277	3,275,090	2,225,986	2,004,065	1,370,080	2,287,588	1,158,658	1,836,329	1,181,585	717,173	373,643	
12/31/2008	2,982,977	3,962,455	3,319,655	3,095,596	2,451,165	1,465,277	945,820	641,814	784,072	282,251	613,297		
12/31/2009	5,069,587	6,396,741	3,468,294	3,287,047	3,736,407	972,293	1,462,182	1,517,586	619,999	375,947			
12/31/2010	3,052,475	4,679,527	5,030,399	4,354,671	1,989,897	1,284,713	428,725	585,660	359,570				
12/31/2011	2,153,720	3,645,808	3,266,717	2,925,585	2,701,812	1,448,517	1,224,042	595,299					
12/31/2012	4,698,715	5,213,086	6,889,986	1,911,213	2,395,765	4,064,487	5,647,083						
12/31/2013	3,306,476	3,456,215	3,847,425	2,622,100	2,057,719	3,115,272							
12/31/2014	2,591,189	3,049,826	2,573,963	2,158,495	960,007								
12/31/2015	2,749,711	3,303,652	2,368,496	2,584,698									
12/31/2016	5,820,529	6,405,926	2,687,245										
12/31/2017	2,121,894	3,446,642											
12/31/2018	2,173,802												

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
12/31/2000	0.0392	0.0781	0.1272	0.0778	0.1045	0.0846	0.0300	0.0202	0.0276	0.0146	0.0172	0.0117	0.0054
12/31/2001	0.0455	0.0801	0.1069	0.1084	0.0577	0.0855	0.0452	0.0418	-0.0256	0.0064	0.0153	0.0146	0.0160
12/31/2002	0.0732	0.1127	0.0677	0.0697	0.0439	0.0283	0.0699	-0.0208	0.0039	0.0191	0.0133	0.0105	0.0071
12/31/2003	0.0706	0.0838	0.1263	0.0605	0.0603	0.0567	0.0350	0.0327	0.0322	0.0257	0.0404	0.0063	0.0212
12/31/2004	0.0662	0.1213	0.1105	0.1058	0.0793	0.0608	0.0461	0.0537	0.0464	0.0297	0.0406	0.0137	0.0018
12/31/2005	0.0949	0.1309	0.0014	0.0466	0.0508	0.0903	0.0652	0.0462	0.0470	0.0454	0.0342	0.0432	0.0150
12/31/2006	0.0665	0.1022	0.0916	0.0611	0.0650	0.0451	0.0706	0.1000	0.0190	0.0254	0.0033	0.0064	0.0031
12/31/2007	0.0498	0.0533	0.0870	0.0592	0.0533	0.0364	0.0608	0.0308	0.0488	0.0314	0.0191	0.0099	
12/31/2008	0.0727	0.0965	0.0809	0.0754	0.0597	0.0357	0.0230	0.0156	0.0191	0.0069	0.0149		
12/31/2009	0.1194	0.1507	0.0817	0.0774	0.0880	0.0229	0.0344	0.0358	0.0146	0.0089			
12/31/2010	0.0821	0.1259	0.1353	0.1171	0.0535	0.0346	0.0115	0.0158	0.0097				
12/31/2011	0.0647	0.1096	0.0982	0.0879	0.0812	0.0435	0.0368	0.0179					
12/31/2012	0.1259	0.1397	0.1846	0.0512	0.0642	0.1089	0.1513						
12/31/2013	0.0960	0.1003	0.1117	0.0761	0.0597	0.0904							
12/31/2014	0.0760	0.0894	0.0755	0.0633	0.0281								
12/31/2015	0.0868	0.1042	0.0747	0.0816									
12/31/2016	0.1537	0.1692	0.0710										
12/31/2017	0.0530	0.0860											
12/31/2018	0.0737												
Best 3/5	0.0788	0.0980	0.0873	0.0737	0.0592	0.0562	0.0314	0.0215	0.0176	0.0219	0.0227	0.0100	0.0084

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

A.Y.E.	Link Ratios						
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/2000	0.997	1.012	1.000	0.999	1.000	1.000	1.000 *
12/31/2001	1.002	0.999	1.001	1.000	1.000	1.000 *	1.000 *
12/31/2002	1.006	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	1.007	1.000	1.000 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2005	0.988						
Best 3/5	1.003	1.000	1.000 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.003

Months-to-Ultimate	Cumulative Incremental Factors						
	15	27	39	51	63	75	87
	0.587	0.508	0.410	0.323	0.249	0.190	0.134
Months-to-Ultimate	99	111	123	135	147	159	171
	0.102	0.081	0.063	0.041	0.018	0.008	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	9,357,164	43,979,172	0.410	18,031,465	27,388,629	1.003	27,470,488
12/31/2018	5,052,840	32,929,481	0.508	16,728,169	21,781,009	1.003	21,846,053
12/31/2019	2,870,401	38,396,221	0.587	22,538,584	25,408,985	1.003	25,484,940

* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience
 General Liability Including CMP Liability
 Loss Adjustment Expense Special Call
 Calendar Years 2015- 2019

<u>Item *</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2015 - 2019 Mean</u>
1. Direct Losses Incurred	\$24,958,455	\$25,388,567	\$22,632,160	\$26,519,433	\$28,416,595	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$6,032,038	\$4,939,134	\$5,935,928	\$5,781,764	\$5,750,906	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,454,825	\$2,540,806	\$2,332,466	\$2,282,751	\$2,814,839	
4. Incurred Losses + ALAE [(1) + (2)]	\$30,990,493	\$30,327,701	\$28,568,088	\$32,301,197	\$34,167,501	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	7.9%	8.4%	8.2%	7.1%	8.2%	8.0%
6. Selected		8.0%				

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) 7/1/2017 to 7/1/2022 AYE 12/31/2017	+ 0.9%	
	b) 7/1/2018 to 7/1/2022 AYE 12/31/2018	+ 0.8%	
	c) 7/1/2019 to 7/1/2022 AYE 12/31/2019	+ 0.7%	
(2)	<u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>
	a) Fitted		
	All Years	+ 4.6%	+ 4.7%
	Eight Years	+ 2.9%	+ 2.2%
	Six Years	+ 3.2%	+ 4.7%
	b) Selected	+ 3.0%	+ 5.5%
(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 12/31/2017, 12/31/2018 & 12/31/2019

(1) YEAR ENDING QUARTER*	(2) PRODUCTS CLASS GROUP SALES EXPOSURE INDICES	(1) YEAR ENDING QUARTER*	(2) PRODUCTS CLASS GROUP SALES EXPOSURE INDICES		
2009	1	0.961	2016	1	1.030
	2	0.966		2	1.030
	3	0.969		3	1.029
	4	0.968		4	1.030
2010	1	0.964	2017	1	1.033
	2	0.962		2	1.034
	3	0.962		3	1.037
	4	0.965		4	1.040
2011	1	0.968	2018	1	1.043
	2	0.973		2	1.047
	3	0.978		3	1.051
	4	0.982		4	1.054
2012	1	0.986	2019	1	1.057
	2	0.990		2	1.060
	3	0.995		3	1.062
	4	1.000		4	1.064
2013	1	1.004	2020	1	1.065
	2	1.006		2	1.059
	3	1.008		3P	1.055
	4	1.010		4P	1.052
2014	1	1.012	2021	1P	1.050
	2	1.016		2P	1.055
	3	1.019		3P	1.058
	4	1.022		4P	1.062
2015	1	1.024	2022	1P	1.067
	2	1.026		2P	1.074
	3	1.027		3P	1.081
	4	1.030		4P	1.088

CHANGE IN EXPOSURES	PRODUCTS
7/1/2017 to 7/1/2022	(2022:4/2017:4) 1.046
7/1/2018 to 7/1/2022	(2022:4/2018:4) 1.032
7/1/2019 to 7/1/2022	(2022:4/2019:4) 1.022

AVERAGE ANNUAL TREND FACTOR	PRODUCTS
7/1/2017 to 7/1/2022	(5.0 YRS) 1.009
7/1/2018 to 7/1/2022	(4.0 YRS) 1.008
7/1/2019 to 7/1/2022	(3.0 YRS) 1.007

* Projected values are identified by a 'P' in column (1).
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OCCURRENCE SEVERITY TREND
MULTISTATE
PRODUCTS

Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2010	\$28,291,286	1,148	\$24,644	\$25,701		
12/31/2011	25,844,845	1,059	24,405	26,878		
12/31/2012	31,873,158	967	32,961	28,109	\$30,230	
12/31/2013	22,587,522	799	28,270	29,396	31,118	
12/31/2014	19,951,081	615	32,441	30,742	32,031	\$31,838
12/31/2015	17,652,233	522	33,817	32,149	32,971	32,873
12/31/2016	17,181,212	542	31,700	33,622	33,939	33,941
12/31/2017	17,419,555	497	35,049	35,161	34,935	35,044
12/31/2018	15,015,252	416	36,094	36,771	35,961	36,182
12/31/2019	16,484,532	431	38,247	38,455	37,016	37,358
Goodness of Fit Statistic, R-Squared:				0.778	0.602	0.737
Average Annual Severity Trend (10 yr)				+ 4.6%		
Average Annual Severity Trend (8 yr)				+ 2.9%		
Average Annual Severity Trend (6 yr)				+ 3.2%		
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)		
				10 Year	8 Year	6 Year
12/31/2010	\$45,675,399	1,504	\$30,369	\$34,409		
12/31/2011	42,416,612	1,273	33,320	36,043		
12/31/2012	51,221,849	1,131	45,289	37,754	\$42,234	
12/31/2013	45,005,735	1,011	44,516	39,547	43,157	
12/31/2014	38,700,411	942	41,083	41,424	44,100	\$40,823
12/31/2015	35,495,385	866	40,988	43,391	45,063	42,735
12/31/2016	45,421,354	897	50,637	45,451	46,048	44,737
12/31/2017	36,563,407	839	43,580	47,609	47,054	46,832
12/31/2018	34,768,907	778	44,690	49,870	48,082	49,026
12/31/2019	44,523,961	804	55,378	52,237	49,133	51,322
Goodness of Fit Statistic, R-Squared:				0.624	0.265	0.500
Average Annual Severity Trend (10 yr)				+ 4.7%		
Average Annual Severity Trend (8 yr)				+ 2.2%		
Average Annual Severity Trend (6 yr)				+ 4.7%		
Selected Annual Severity Trend				+ 5.5%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.
NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors.
(See Section B - Explanation of Trend Calculation).

PRODUCTS

FREQUENCY TREND
MULTISTATE

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

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at <u>Ultimate</u> ¹	(4) Occurrence Frequency <u>(3)/(2)</u> ²
12/31/2006	\$ 87,900,076	2,884	32.81
12/31/2007	89,768,337	3,194	35.58
12/31/2008	95,613,838	3,081	32.23
12/31/2009	105,059,614	3,521	33.51
12/31/2010	111,095,984	3,588	32.29
12/31/2011	112,338,542	3,319	29.54
12/31/2012	113,233,179	3,093	27.32
12/31/2013	113,272,079	3,012	26.59
12/31/2014	115,658,305	2,683	23.19
12/31/2015	121,444,754	2,347	19.32
12/31/2016	124,967,946	2,295	18.36
12/31/2017	128,546,662	2,138	16.63
12/31/2018	127,109,414	1,952	15.35
12/31/2019	131,902,215	2,018	15.30

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:

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

K = The number of classes within the class group.

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

\sum^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 $\tilde{X}_{monoline}$ which is the column (5) total using column (1) as weights.

Note: \tilde{X} (X - tilde) is the 5 year Monoline/Multiline ALCCCL weighted class group experience ratio, where $\tilde{X}_{monoline}$ (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" is the selected multistate monoline loss cost level change.
The off balance factor of 0.998 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 * 1.013 * .937

CLASS	AYE 2019 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	FORMULA 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	308391	1357387	1.33556	.1355	1.052	1.079	1.024	.021	.022	4.8	.021	.022
10141	515125	2463807	1.15508	.1872	1.035	1.062	1.008	.023	.023	0.0	.023	.023
12361	2109590	10585019	.83864	.4348	.934	.958	.909	.077	.070	-9.1	.077	.070
12373	79471	663432	.74895	.0997	.982	1.007	.956	.024	.023	-4.2	.024	.023
13049	262153	1197829	.28398	.1275	.915	.938	.890	.057	.051	-10.5	.057	.051
13111	47476	246758	1.07502	.0767	1.013	1.039	.986	.093	.092	-1.1	.093	.092
13112	1824163	8649112	1.05274	.3906	1.025	1.051	.998	.063	.063	0.0	.063	.063
13621	265660	1758388	1.39833	.1550	1.068	1.095	1.039	.320	.330	3.1	.320	.330
13670	315674	1673776	2.26414	.1510	1.197	1.228	1.166	.015	.017	13.3	.015	.017
15223	1155803	5965343	1.31734	.3163	1.105	1.133	1.075	.041	.044	7.3	.041	.044
15406	308853	1422620	1.99864	.1388	1.145	1.174	1.114	.048	.053	10.4	.048	.053
16604	1320043	6691105	.57834	.3381	.862	.884	.839	.146	.122	-16.4	.146	.122
51300	341	32241	.00000	.0644	.942	.966	.917	.160	.147	-8.1	.160	.147
51305	25977	73614	.05007	.0668	.943	.967	.918	.960	.880	-8.3	.960	.880
51315	885488	4145799	.68617	.2548	.926	.950	.902	.106	.096	-9.4	.106	.096
51350	148733	884134	.64448	.1114	.967	.992	.942	.135	.127	-5.9	.135	.127
51351	43937	134853	3.66481	.0703	1.194	1.225	1.163	.042	.049	16.7	.042	.049
51352	116305	503950	.49466	.0910	.961	.986	.936	.108	.101	-6.5	.108	.101
51355	157393	818049	.84594	.1079	.990	1.015	.963	.094	.091	-3.2	.094	.091
51356	79244	306665	.02589	.0801	.929	.953	.905	.620	.560	-9.7	.620	.560
51357	7407	23518	3.80602	.0639	1.186	1.216	1.154	.660	.760	15.2	.660	.760
51358	27215	86709	.00000	.0675	.939	.963	.914	.141	.129	-8.5	.141	.129
51359	71710	280441	.12829	.0786	.938	.962	.913	.780	.710	-9.0	.780	.710
51752	610679	3131682	.66985	.2154	.935	.959	.910	.165	.150	-9.1	.165	.150
52002	1621678	8473765	.75300	.3862	.909	.932	.885	.129	.114	-11.6	.129	.114
53001	2324615	11759021	.86029	.4587	.940	.964	.915	.330	.300	-9.1	.330	.300
53374	6541650	28930150	.77796	.6653	.855	.877	.832	.310	.260	-16.1	.310	.260
53375	1850458	9565469	1.77973	.4124	1.326	1.360	1.291	.223	.270	21.1	.223	.270
53376	604727	2822401	.80397	.2026	.966	.991	.941	.194	.183	-5.7	.194	.183
53377	2773981	11600402	.96381	.4556	.988	1.013	.962	.195	.188	-3.6	.195	.188
53565	189779	878986	.13684	.1111	.911	.934	.887	.108	.096	-11.1	.108	.096
55371	29058	164571	.00000	.0720	.935	.959	.910	.119	.108	-9.2	.119	.108
56488	86699	315411	2.59004	.0806	1.135	1.164	1.105	.034	.038	11.8	.034	.038
56758	140707	542786	.58214	.0931	.968	.993	.943	.148	.140	-5.4	.148	.140
56759	769283	3481519	.97636	.2295	1.000	1.026	.974	.080	.078	-2.5	.080	.078
56760	1742502	7906593	1.09347	.3717	1.039	1.066	1.012	.098	.099	1.0	.098	.099
57002	234454	881870	.26439	.1113	.925	.949	.901	.106	.096	-9.4	.106	.096

U

X-TILDE: .954 X-TILDE (MONOLINE): .975 PI-TILDE: .0038701
 TAU SQUARED: .03000 SIGMA SQUARED: 481978.51225

L - CAPPED DOWN
 U - CAPPED UP
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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 * 1.013 * .937

CLASS	AYE 2019	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					EXPERIENCE	MULTI-	MULTI-	WIDE	STATEWIDE
	ALCCL	ALCCL	RATIO		ER		FACTOR	STATE	STATE	%	OCCUR	OCCUR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
57651	188321	826165	.77245	.1084	.982	1.007	.956	.041	.039	-4.9	.041	.039
57913	737652	3622690	.70101	.2350	.935	.959	.910	.290	.260	-10.3	.290	.260
59537	319909	1377747	1.94119	.1365	1.135	1.164	1.105	.210	.232	10.5	.210	.232
59647	48067	220490	.29443	.0752	.954	.978	.928	.170	.158	-7.1	.170	.158
59904	10803	49654	6.95191	.0654	1.396	1.432	1.359	.061	.076	24.6	.061	.076
59905	161501	689234	.26891	.1011	.933	.957	.908	.132	.120	-9.1	.132	.120
59925	1152	8023	1.39935	.0630	1.032	1.058	1.004	1.190	1.190	0.0	1.190	1.190
59926	258619	1278712	1.29671	.1316	1.045	1.072	1.018	.450	.460	2.2	.450	.460
59927	41420	407638	.26905	.0857	.944	.968	.919	1.420	1.300	-8.5	1.420	1.300
59963	49453	178167	.00000	.0728	.934	.958	.909	.410	.370	-9.8	.410	.370
59964	197446	1015830	.80818	.1183	.984	1.009	.958	.069	.066	-4.3	.069	.066

U

X-TILDE: .954 X-TILDE (MONOLINE): .975 PI-TILDE: .0038701
 TAU SQUARED: .03000 SIGMA SQUARED: 481978.51225

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .977 * .937

CLASS	AYE 2019 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	FORMULA CRED. ER (4)	FORMULA INDEX (5)	FORMULA 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	151008	784135	1.11300	.1211	1.005	1.057	.968	.195	.189	-3.1	.195	.189
10040	852365	4606034	1.44250	.2872	1.120	1.178	1.078	.300	.320	6.7	.300	.320
10070	1887133	10021676	1.04820	.4377	1.016	1.068	.978	.154	.151	-1.9	.154	.151
10101	279456	1547054	1.14918	.1601	1.016	1.068	.978	.181	.177	-2.2	.181	.177
10111	184481	819743	.21758	.1230	.895	.941	.861	.078	.067	-14.1	.078	.067
10255	2782837	13431884	1.13623	.5037	1.064	1.119	1.024	.147	.151	2.7	.147	.151
10256	11798	56827	4.28117	.0803	1.254	1.319	1.207	.152	.183	20.4	.152	.183
10257	3283252	14617381	.83219	.5232	.907	.954	.873	.169	.148	-12.4	.169	.148
11126	175445	1075547	2.01673	.1364	1.130	1.188	1.088	.022	.024	9.1	.022	.024
11203	8225	34315	.00000	.0789	.912	.959	.878	.520	.460	-11.5	.520	.460
11248	7248	42092	.00000	.0794	.911	.958	.877	.018	.016	-11.1	.018	.016
12391	1646441	7988550	.71215	.3893	.882	.927	.849	.082	.070	-14.6	.082	.070
12509	48408	245333	.09195	.0912	.908	.955	.874	.036	.031	-13.9	.036	.031
12651	706775	3489976	1.00279	.2455	.993	1.044	.956	.530	.510	-3.8	.530	.510
12707	387896	1248486	.48076	.1453	.916	.963	.882	.640	.560	-12.5	.640	.560
12797	1215377	5976281	1.11428	.3324	1.031	1.084	.992	.196	.194	-1.0	.196	.194
13201	23322	118889	.34331	.0839	.936	.984	.901	.160	.144	-10.0	.160	.144
13204	1383326	6680613	.50247	.3535	.818	.860	.787	1.450	1.140	-21.4	1.450	1.140
13205	336404	1823210	.71463	.1734	.942	.991	.907	.460	.420	-8.7	.460	.420
13314	190	980	.00000	.0770	.914	.961	.880	.016	.014	-12.5	.016	.014
13410	3233592	14733759	.66140	.5250	.818	.860	.787	2.990	2.350	-21.4	2.990	2.350
13412	476604	2511529	1.55631	.2048	1.106	1.163	1.065	1.140	1.210	6.1	1.140	1.210
13590	4433561	20513435	.89973	.6010	.936	.984	.901	.740	.670	-9.5	.740	.670
13715	2040709	10039939	.81740	.4381	.914	.961	.880	.165	.145	-12.1	.165	.145
13930	1150579	5174510	.70132	.3066	.902	.948	.868	.201	.174	-13.4	.201	.174
14068	4262	33469	.00000	.0789	.912	.959	.878	.014	.012	-14.3	.014	.012
14527	416572	1910073	.94726	.1775	.983	1.034	.947	.189	.179	-5.3	.189	.179
14855	47900	296581	.00000	.0941	.897	.943	.863	.154	.133	-13.6	.154	.133
16005	356806	1876025	.75419	.1759	.949	.998	.914	.034	.031	-8.8	.034	.031
16009	36466	195859	3.08022	.0884	1.175	1.236	1.131	.094	.106	12.8	.094	.106
16527	4965559	23422088	.92100	.6307	.947	.996	.912	.350	.320	-8.6	.350	.320
16705	240402	996982	.43204	.1323	.916	.963	.882	.148	.131	-11.5	.148	.131
16750	346875	1892314	1.60096	.1767	1.098	1.155	1.057	.032	.034	6.3	.032	.034
18205	623010	2834525	1.64423	.2187	1.133	1.191	1.090	.350	.380	8.6	.350	.380
18616	3158356	14247041	1.07727	.5173	1.035	1.088	.996	.590	.590	0.0	.590	.590
18707	16449	85159	8.63627	.0819	1.616	1.699	1.555	.004	.005	25.0	.004	.005
45771	121181	813768	.09364	.1226	.880	.925	.847	.164	.139	-15.2	.164	.139

X-TILDE: .914 X-TILDE (MONOLINE): .951 PI-TILDE: .0048140
 TAU SQUARED: .03000 SIGMA SQUARED: 468529.76371

L - CAPPED DOWN
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .977 * .937

CLASS	AYE 2019 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	530844	2160693	.84208	.1891	.962	1.012	.926	.049	.045	-8.2	.049	.045
53907	1848888	7972767	.66862	.3889	.865	.910	.833	.103	.086	-16.5	.103	.086

X-TILDE: .914 X-TILDE (MONOLINE): .951 PI-TILDE: .0048140
 TAU SQUARED: .03000 SIGMA SQUARED: 468529.76371

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 05

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.037 * .937

CLASS	AYE 2019 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	1414	7163	.32947	.1504	1.329	.961	.934	.044	.041	-6.8	.044	.041
51575	201799	1031278	1.30798	.2005	1.466	1.060	1.030	.020	.021	5.0	.020	.021
51576	234866	1047315	1.41600	.2012	1.487	1.075	1.045	.093	.097	4.3	.093	.097
51613	61033	399625	1.04746	.1703	1.427	1.032	1.003	.139	.139	0.0	.139	.139
51666	39820	249138	.00000	.1628	1.260	.911	.885	.101	.089	-11.9	.101	.089
51767	653	3410	.00000	.1502	1.279	.925	.899	.008	.007	-12.5	.008	.007
51833	1568	7777	.00000	.1504	1.279	.925	.899	.060	.054	-10.0	.060	.054
51869	127250	668629	1.04367	.1834	1.421	1.027	.998	.136	.136	0.0	.136	.136
51889	868	4185	.00000	.1502	1.279	.925	.899	.012	.011	-8.3	.012	.011
51941	1620138	8203676	1.29974	.4342	1.416	1.024	.995	.041	.041	0.0	.041	.041
52469	2178258	10180102	1.09882	.4764	1.312	.949	.922	.104	.096	-7.7	.104	.096
55647	388728	1870267	1.42673	.2373	1.487	1.075	1.045	.062	.065	4.8	.062	.065
55802	16342	105317	5.95377	.1554	2.197	1.589	1.544	.009	.011	22.2	.009	.011
56040	1057	3246	.00000	.1502	1.279	.925	.899	.033	.030	-9.1	.033	.030
57257	23300	131596	.79384	.1568	1.394	1.008	.979	.035	.034	-2.9	.035	.034
57410	24740	133575	1.59786	.1569	1.520	1.099	1.068	.162	.173	6.8	.162	.173
58503	39323	150754	1.06577	.1578	1.436	1.038	1.009	.076	.077	1.3	.076	.077
58627	2097	9754	.00000	.1505	1.279	.925	.899	.013	.012	-7.7	.013	.012
59257	135	1705	.00000	.1501	1.279	.925	.899	.013	.012	-7.7	.013	.012
59923	648	15365	13.28435	.1508	3.282	2.373	2.306	.004	.005	25.0	.004	.005

X-TILDE: 1.229 X-TILDE (MONOLINE): 1.383 PI-TILDE: .0070485
 TAU SQUARED: .03000 SIGMA SQUARED: 490006.24567

L - CAPPED DOWN
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.010 * .937

CLASS	AYE 2019 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	8052	54585	.02823	.0364	.934	.984	.931	.037	.034	-8.1	.037	.034
51001	446	6924	.00000	.0274	.942	.993	.940	.450	.420	-6.7	.450	.420
51116	1222545	4176854	1.05542	.4636	1.009	1.063	1.006	.690	.690	0.0	.690	.690
51240	60377	273254	2.24434	.0754	1.065	1.122	1.062	.185	.196	5.9	.185	.196
51241	359839	1683413	.49660	.2670	.843	.888	.840	.260	.218	-16.2	.260	.218
51330	198383	964537	4.59184	.1805	1.623	1.710	1.618	.530	.660	24.5	.530	.660
51370	232485	614066	.00000	.1304	.842	.887	.839	4.570	3.830	-16.2	4.570	3.830
51500	325635	1649620	.99004	.2634	.974	1.026	.971	.119	.116	-2.5	.119	.116
51550	26984	78502	2.17714	.0408	1.018	1.073	1.015	.390	.400	2.6	.390	.400
51551	745	42463	1.43195	.0341	.984	1.037	.981	.910	.890	-2.2	.910	.890
51552	1	18020	.63474	.0295	.959	1.011	.957	.159	.152	-4.4	.159	.152
51600	122517	610400	.47794	.1298	.905	.954	.903	.191	.172	-9.9	.191	.172
51734	15286	52995	5.55247	.0361	1.134	1.195	1.131	.310	.350	12.9	.310	.350
51741	117002	699860	.75425	.1432	.938	.988	.935	.260	.243	-6.5	.260	.243
51777	135885	679568	1.13644	.1402	.992	1.045	.989	.078	.077	-1.3	.078	.077
51808	255554	845621	.79609	.1641	.940	.991	.938	.730	.680	-6.8	.730	.680
51809	36855	143150	.73839	.0526	.956	1.007	.953	.153	.146	-4.6	.153	.146
51877	95110	390908	.27132	.0952	.902	.950	.899	.212	.191	-9.9	.212	.191
51896	679507	3436065	.90198	.4172	.941	.992	.939	.018	.017	-5.6	.018	.017
51900	10643	55855	3.37071	.0366	1.056	1.113	1.053	.095	.100	5.3	.095	.100
51909	83	663	.00000	.0262	.943	.994	.941	.056	.053	-5.4	.056	.053
51926	290188	1234160	1.83254	.2152	1.154	1.216	1.151	.038	.044	15.8	.038	.044
51927	435768	1992520	1.10450	.2989	1.009	1.063	1.006	.131	.132	0.8	.131	.132
51934	30975	617720	.12479	.1309	.858	.904	.856	.125	.107	-14.4	.125	.107
51956	1489747	7355895	.90172	.6003	.928	.978	.926	.221	.205	-7.2	.221	.205
51957	1320055	6661492	1.19457	.5767	1.099	1.158	1.096	.420	.460	9.5	.420	.460
51960	4118	29678	.00000	.0317	.938	.988	.935	.350	.330	-5.7	.350	.330
51982	11270	56054	.00000	.0366	.933	.983	.930	.083	.077	-7.2	.083	.077
51986	37851	256749	.50018	.0726	.935	.985	.932	.103	.096	-6.8	.103	.096
51999	145738	672942	.61095	.1392	.919	.968	.916	.440	.400	-9.1	.440	.400
52075	62549	250262	.24674	.0715	.917	.966	.914	.243	.222	-8.6	.243	.222
52134	2109846	10635756	.94107	.6835	.950	1.001	.947	.630	.600	-4.8	.630	.600
52315	500835	2386459	1.23792	.3357	1.059	1.116	1.056	.260	.270	3.8	.260	.270
52505	59121	184173	3.16342	.0599	1.100	1.159	1.097	.216	.237	9.7	.216	.237
52547	221159	1097930	.64941	.1980	.905	.954	.903	.078	.070	-10.3	.078	.070
52911	941082	4745325	.92428	.4945	.947	.998	.944	.450	.420	-6.7	.450	.420
52967	24175	122326	.42102	.0488	.942	.993	.940	.062	.058	-6.5	.062	.058

U

X-TILDE: .958 X-TILDE (MONOLINE): .949 PI-TILDE: .0016680
 TAU SQUARED: .05089 SIGMA SQUARED: 260593.58233

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.010 * .937

CLASS	AYE 2019	5 YEAR	5 YEAR	EXPERIENCE	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					MULTI-	MULTI-	WIDE	STATEWIDE	STATEWIDE
	ALCCL	ALCCL	RATIO	CRED.	ER	INDEX	FACTOR	STATE	STATE	%	OCCUR	OCCUR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
53121	47390	174454	.17124	.0582	.922	.972	.920	.440	.400	-9.1	.440	.400
53333	69975	370139	1.75810	.0917	1.041	1.097	1.038	.239	.248	3.8	.239	.248
53631	441	1721	.00000	.0264	.943	.994	.941	.022	.021	-4.5	.022	.021
53632	326	5578	.00000	.0271	.942	.993	.940	.034	.032	-5.9	.034	.032
53732	1411236	7154969	1.11488	.5937	1.055	1.112	1.052	.450	.470	4.4	.450	.470
53733	5096705	22599302	.81988	.8201	.847	.893	.845	.270	.228	-15.6	.270	.228
54077	769511	3620447	.96800	.4295	.968	1.020	.965	.400	.390	-2.5	.400	.390
55010	72243	365370	.29155	.0909	.907	.956	.905	1.080	.980	-9.3	1.080	.980
55011	370467	1898394	1.48094	.2895	1.117	1.177	1.114	1.570	1.750	11.5	1.570	1.750
55012	52827	247263	.64948	.0709	.946	.997	.944	1.180	1.110	-5.9	1.180	1.110
55013	414966	1849042	1.01755	.2845	.982	1.035	.979	1.140	1.120	-1.8	1.140	1.120
55214	959	4971	.00000	.0270	.942	.993	.940	.088	.083	-5.7	.088	.083
55715	46661	206667	.00000	.0639	.907	.956	.905	.224	.203	-9.4	.224	.203
55716	40073	164037	.64652	.0563	.950	1.001	.947	.520	.490	-5.8	.520	.490
56202	107879	1043086	.48264	.1909	.876	.923	.873	.089	.078	-12.4	.089	.078
56390	478727	1390360	1.50143	.2341	1.093	1.152	1.090	.640	.700	9.4	.640	.700
56391	708736	3848129	.87814	.4439	.928	.978	.926	.320	.300	-6.3	.320	.300
56427	21176	79498	.52927	.0410	.951	1.002	.948	.125	.119	-4.8	.125	.119
56690	3365	15250	.00000	.0290	.940	.991	.938	.350	.330	-5.7	.350	.330
56699	171556	1044473	2.08047	.1911	1.181	1.244	1.177	.057	.067	17.5	.057	.067
56916	819088	3653754	1.16091	.4316	1.052	1.109	1.050	.205	.215	4.9	.205	.215
57090	86632	607742	1.46258	.1294	1.032	1.087	1.029	.660	.680	3.0	.660	.680
57401	11639	43733	.00000	.0343	.935	.985	.932	.096	.089	-7.3	.096	.089
57403	527	3093	.00000	.0267	.943	.994	.941	.035	.033	-5.7	.035	.033
57572	79833	400995	.46914	.0968	.920	.969	.917	.108	.099	-8.3	.108	.099
57600	40798	235251	.88846	.0689	.963	1.015	.961	.034	.033	-2.9	.034	.033
57611	52210	280654	.00000	.0767	.894	.942	.891	.062	.055	-11.3	.062	.055
57690	340010	1377594	.76664	.2325	.922	.972	.920	.490	.450	-8.2	.490	.450
57716	216298	1139474	.65988	.2034	.906	.955	.904	.082	.074	-9.8	.082	.074
57725	974870	4265239	.72039	.4687	.852	.898	.850	.088	.075	-14.8	.088	.075
57726	71927	300610	2.67684	.0801	1.105	1.164	1.102	.021	.023	9.5	.021	.023
57810	4121	20777	.00000	.0300	.939	.989	.936	.107	.100	-6.5	.107	.100
57871	169156	405893	.74131	.0976	.946	.997	.944	.118	.111	-5.9	.118	.111
57998	27911	140214	.16269	.0520	.927	.977	.925	.058	.054	-6.9	.058	.054
57999	6991	32569	1.34634	.0322	.981	1.034	.979	.071	.070	-1.4	.071	.070
58095	1796480	8427893	.86446	.6319	.903	.952	.901	1.990	1.790	-10.1	1.990	1.790
58096	1117352	7424465	1.37825	.6025	1.215	1.280	1.211	1.230	1.490	21.1	1.230	1.490

X-TILDE: .958 X-TILDE (MONOLINE): .949 PI-TILDE: .0016680
 TAU SQUARED: .05089 SIGMA SQUARED: 260593.58233

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.010 * .937

CLASS	AYE 2019 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	107936	360140	.00000	.0901	.881	.928	.878	.088	.077	-12.5	.088	.077
58302	65390	256588	.47500	.0726	.933	.983	.930	.055	.051	-7.3	.055	.051
58397	1543566	5900480	.81021	.5475	.882	.929	.879	.740	.650	-12.2	.740	.650
58575	11569	66716	.00000	.0386	.931	.981	.928	.120	.111	-7.5	.120	.111
58663	1340596	6043546	.29212	.5533	.594	.626	.592	1.280	.950	-25.8	1.280	.950
58802	51642	212588	1.39011	.0649	.996	1.050	.994	.480	.480	0.0	.480	.480
58837	7651	39505	1.81187	.0335	.997	1.051	.995	.162	.161	-0.6	.162	.161
58840	4386	18632	.41064	.0296	.952	1.003	.949	.127	.121	-4.7	.127	.121
58873	242688	1044614	.58838	.1911	.896	.944	.893	.030	.027	-10.0	.030	.027
58904	425	21752	.00000	.0302	.939	.989	.936	.128	.120	-6.2	.128	.120
58922	1177602	5186281	1.16121	.5161	1.068	1.125	1.065	.168	.179	6.5	.168	.179
59005	280655	1231800	.79205	.2149	.931	.981	.928	.096	.089	-7.3	.096	.089
59188	315	1037	.00000	.0263	.943	.994	.941	.055	.052	-5.5	.055	.052
59189	4388	16891	.00000	.0293	.940	.991	.938	.300	.280	-6.7	.300	.280
59223	1532229	712658	2.36372	1.1451	1.171	1.234	1.168	.088	.103	17.0	.088	.103
59378	0	18	.00000	.0261	.943	.994	.941	.150	.141	-6.0	.150	.141
59481	75084	415448	1.04688	.0992	.976	1.028	.973	.099	.096	-3.0	.099	.096
59701	1412	55279	5.39244	.0365	1.130	1.191	1.127	.290	.330	13.8	.290	.330
59713	301763	1548246	1.38248	.2522	1.073	1.131	1.070	.310	.330	6.5	.310	.330
59722	62318	297369	.06894	.0795	.897	.945	.894	.031	.028	-9.7	.031	.028
59723	16196	91896	.00000	.0433	.927	.977	.925	.037	.034	-8.1	.037	.034
59726	86627	635036	1.04701	.1335	.979	1.032	.977	.024	.023	-4.2	.024	.023
59738	14791	80067	.00000	.0411	.929	.979	.926	.064	.059	-7.8	.064	.059
59773	0	0	.00000	.0000	.969	1.000	.946	.028	.026	-7.1	.028	.026
59774	728	2250	.00000	.0265	.943	.994	.941	.150	.141	-6.0	.150	.141
59775	0	0	.00000	.0000	.000	.000	.000	.188	.178	-5.3	.188	.178
59798	919213	3825907	.85201	.4426	.917	.966	.914	.500	.460	-8.0	.500	.460
59886	16350	102900	.00000	.0453	.925	.975	.923	.108	.100	-7.4	.108	.100
59889	13663	85035	4.93982	.0420	1.135	1.196	1.132	.165	.187	13.3	.165	.187
59914	833217	4058659	1.06610	.4567	1.013	1.067	1.010	.680	.690	1.5	.680	.690
59915	167755	772943	.44403	.1538	.888	.936	.886	.750	.660	-12.0	.750	.660
59917	109027	505380	2.45413	.1136	1.137	1.198	1.134	.205	.232	13.2	.205	.232
59931	211163	843839	.40513	.1639	.876	.923	.873	.550	.480	-12.7	.550	.480
59932	4051	174717	.00000	.0582	.912	.961	.909	.880	.800	-9.1	.880	.800
59947	14807	89363	.00000	.0428	.927	.977	.925	.320	.300	-6.3	.320	.300
59955	20556	108932	.01373	.0464	.924	.974	.922	.143	.132	-7.7	.143	.132
59970	19383	102003	.00000	.0451	.925	.975	.923	.183	.169	-7.7	.183	.169

X-TILDE: .958 X-TILDE (MONOLINE): .949 PI-TILDE: .0016680
 TAU SQUARED: .05089 SIGMA SQUARED: 260593.58233

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.010 * .937

CLASS	AYE 2019	5 YEAR	5 YEAR	CRED.	FORMULA	INDEX	CHANGE	PRESENT	PROPOSED	STATE-	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	MONO/MULTI					EXPERIENCE	MULTI-	MULTI-	WIDE	STATE-
	ALCCL	ALCCL	RATIO		ER		FACTOR	STATE	STATE	%	STATEWIDE	STATEWIDE
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	OCCUR	OCCUR	CHANGE	OCCUR	OCCUR
								(8)	(9)	(10)	(11)	(12)
59975	649105	2901760	.63112	.3784	.841	.886	.838	.227	.190	-16.3	.227	.190
59984	32409	132588	.00000	.0507	.919	.968	.916	.053	.049	-7.5	.053	.049
59988	1129	8238	.00000	.0277	.942	.993	.940	.059	.055	-6.8	.059	.055
59989	8	29	.00000	.0261	.943	.994	.941	.044	.041	-6.8	.044	.041

X-TILDE: .958 X-TILDE (MONOLINE): .949 PI-TILDE: .0016680
 TAU SQUARED: .05089 SIGMA SQUARED: 260593.58233

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 07

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.001 * .937

CLASS	AYE 2019 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	68656	407622	.17301	.1980	.735	.819	.768	.600	.460	-23.3	.600	.460	
50010	49671	218067	.02500	.1539	.744	.829	.778	.490	.380	-22.4	.490	.380	
51205	2143	7130	.00000	.0988	.788	.878	.824	.071	.059	-16.9	.071	.059	
51206	1587	26418	.00000	.1041	.783	.873	.819	.390	.320	-17.9	.390	.320	
51220	122840	460220	.50185	.2094	.796	.887	.832	2.280	1.900	-16.7	2.280	1.900	
51221	570114	2736188	1.01641	.5110	.947	1.056	.990	1.780	1.760	-1.1	1.780	1.760	
51222	126927	1080087	1.81917	.3231	1.180	1.315	1.233	3.670	4.530	23.4	3.670	4.530	
51224	1353265	6680482	1.02576	.7056	.981	1.094	1.026	1.450	1.490	2.8	1.450	1.490	
51230	0	0	.00000	.0000	.000	.000	.000	.790	.740	-6.3	.790	.740	
51252	1340785	7000162	.44814	.7148	.570	.635	.596	.100	.074	-26.0	.100	.074	L
51254	19299	32713	.00000	.1058	.782	.872	.818	.039	.032	-17.9	.039	.032	
51333	102841	474485	.94083	.2125	.888	.990	.929	.340	.320	-5.9	.340	.320	
51958	268697	1429238	.83362	.3738	.859	.958	.899	.410	.370	-9.8	.410	.370	
51970	913979	4040737	.55760	.5987	.685	.764	.717	.238	.177	-25.6	.238	.177	L
52433	74549	317597	.17622	.1776	.750	.836	.784	1.020	.800	-21.6	1.020	.800	
52581	0	661207	.05274	.2502	.669	.746	.700	2.950	2.190	-25.8	2.950	2.190	L
52744	43103	53036	.00000	.1114	.777	.866	.812	.081	.066	-18.5	.081	.066	
53077	144444	1026293	1.31064	.3146	1.012	1.128	1.058	.207	.219	5.8	.207	.219	
55597	0	0	.00000	.0000	.000	.000	.000	1.790	1.680	-6.1	1.790	1.680	
55918	153	980	.00000	.0970	.789	.880	.825	2.740	2.260	-17.5	2.740	2.260	
55919	0	0	.00000	.0000	.000	.000	.000	3.650	3.420	-6.3	3.650	3.420	
56912	818420	3814709	.91351	.5859	.897	1.000	.938	.090	.084	-6.7	.090	.084	
57146	420618	1867239	1.17156	.4276	1.001	1.116	1.047	.720	.750	4.2	.720	.750	
58737	38392	239144	.64736	.1590	.838	.934	.876	.630	.550	-12.7	.630	.550	
59601	217658	650093	.97752	.2481	.900	1.003	.941	2.370	2.230	-5.9	2.370	2.230	
59660	521744	2476677	.83849	.4888	.857	.955	.896	1.180	1.060	-10.2	1.180	1.060	
59724	36166	145375	.00566	.1357	.756	.843	.791	.019	.015	-21.1	.019	.015	
59725	638057	2935214	1.61422	.5268	1.264	1.409	1.322	.116	.145	25.0	.116	.145	U
59750	7518	37992	.00000	.1073	.780	.870	.816	.222	.181	-18.5	.222	.181	
59781	396583	2103615	1.79404	.4530	1.291	1.439	1.350	.068	.085	25.0	.068	.085	U
59782	369230	1665440	1.57975	.4040	1.159	1.292	1.212	.460	.560	21.7	.460	.560	

X-TILDE: .943 X-TILDE (MONOLINE): .897 PI-TILDE: .0059085

TAU SQUARED: .06287 SIGMA SQUARED: 203082.09384

L - CAPPED DOWN

U - CAPPED UP

N - NOT SUBJECT TO CAPPING

E - SUBJECT TO CAPPING EXCEPTION

SECTION G

SUPPORTING MATERIAL -- LOCAL PRODUCTS/COMPLETED OPERATIONS

TABLE OF CONTENTS

• Calculation of Aggregate Loss Costs at Current Level and Incurred Losses	G-2-4
• Implicit Package Modification Factors	G-5
• Calculation of Exposure Development Factors	G-6-8
• Table of Contents - Loss Development	G-9
• Loss Development Data	G-10-45
• Multistate Review of ULAE Experience	G-46
• Trend Summary	G-47
• Trend Data	G-48-51
• Class Groups and Calculation of Proposed Class Loss Costs	G-52-61

MULTISTATE
 LOCAL PRODUCTS/COMPLETED OPERATIONS
 CALCULATION OF AGGREGATE LOSS COSTS
 AT CURRENT LEVEL

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000	EXPOSURE DEVELOPMENT FACTOR+	EXPOSURE TREND#	AVERAGE IPMF*	TRENDED \$100,000
		BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL				BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	12/31/2017	\$101,536,480	1.000	1.076		\$109,253,253
	12/31/2018	107,898,874	1.000	1.042		112,430,627
	12/31/2019	114,619,266	1.016	1.017		118,432,878
MULTILINE	12/31/2017	\$218,809,332	1.000	1.077	0.994	\$234,243,705
	12/31/2018	226,318,107	1.000	1.042	0.997	235,115,997
	12/31/2019	226,959,119	1.016	1.018	1.000	234,741,093
TOTAL	12/31/2017					\$343,496,958
	12/31/2018					347,546,624
	12/31/2019					353,173,971

+ 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 7/1/2021 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 DEVELOPMENT X FACTOR#	UNALLOCATED LOSS ADJ. X FACTOR	SEVERITY X TREND	FREQUENCY X TREND	=	\$100,000
			BASIC LIMIT LOSSES AND ALAE*						BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2017	\$21,540,297	1.009	1.080	1.276	0.975		\$29,191,529
		12/31/2018	17,520,205	1.387	1.080	1.216	0.980		31,268,226
		12/31/2019	13,512,262	2.592	1.080	1.158	0.985		43,139,519
BI	ALAE	12/31/2017	\$19,026,077		1.080	1.276	0.975		\$25,563,970
		12/31/2018	20,610,527		1.080	1.216	0.980		26,526,045
		12/31/2019	33,352,552		1.080	1.158	0.985		41,086,355
PD	B/L INDEMNITY	12/31/2017	\$71,047,950	1.392	1.080	1.246	0.975		\$129,715,338
		12/31/2018	70,305,733	1.533	1.080	1.193	0.980		136,073,036
		12/31/2019	60,803,344	1.876	1.080	1.141	0.985		138,488,962
PD	ALAE	12/31/2017	\$76,029,976		1.080	1.246	0.975		\$99,754,218
		12/31/2018	84,993,896		1.080	1.193	0.980		107,319,345
		12/31/2019	88,506,878		1.080	1.141	0.985		107,429,277
TOTAL FULL COVERAGE		12/31/2017							\$284,225,054
		12/31/2018							301,186,652
		12/31/2019							330,144,113

* 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			SEVERITY TREND	FREQUENCY TREND	=	\$100,000	
			BAISC LIMIT LOSSES AND ALAE*	BASIC LIMIT DEVELOPMENT FACTOR#	UNALLOCATED LOSS ADJ. FACTOR				BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE	
BI	B/L INDEMNITY	12/31/2017	\$3,084,912	1.107	1.080	1.276	0.975		\$4,587,103	
		12/31/2018	2,282,192	1.325	1.080	1.216	0.980		3,890,995	
		12/31/2019	1,579,891	2.329	1.080	1.158	0.985		4,532,712	
BI	ALAE	12/31/2017	\$3,302,990		1.080	1.276	0.975		\$4,437,990	
		12/31/2018	2,532,829		1.080	1.216	0.980		3,259,787	
		12/31/2019	3,939,428		1.080	1.158	0.985		4,852,904	
PD	B/L INDEMNITY	12/31/2017	\$18,730,622	1.417	1.080	1.246	0.975		\$34,833,692	
		12/31/2018	16,976,944	1.570	1.080	1.193	0.980		33,658,113	
		12/31/2019	12,586,393	1.903	1.080	1.141	0.985		29,067,935	
PD	ALAE	12/31/2017	\$21,260,226		1.080	1.246	0.975		\$27,894,224	
		12/31/2018	20,504,058		1.080	1.193	0.980		25,889,884	
		12/31/2019	20,264,591		1.080	1.141	0.985		24,597,075	
	TOTAL DED COVERAGE	12/31/2017							\$71,753,010	
		12/31/2018							66,698,778	
		12/31/2019							63,050,626	
	TOTAL OCCURRENCE	12/31/2017							\$355,978,064	
		12/31/2018							367,885,430	
		12/31/2019							393,194,740	

* 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	1.016	1.015	0.9128	1.015	4,000,000
27 to 39 Months	0.999	0.999	0.5759	0.999	31,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2017			1.000		1.000
12/31/2018		0.999	1.000		0.999
12/31/2019	1.015	0.999	1.000		1.014

(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	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
12/31/2012	9,342,745	9,442,631	9,434,239	9,171,496	9,174,728	9,174,937	9,174,937	9,174,937
12/31/2013	10,914,400	11,174,979	10,930,419	10,945,254	10,944,918	10,945,707	10,945,707	
12/31/2014	12,633,218	12,437,713	12,416,277	12,422,123	12,421,805	12,421,579		
12/31/2015	13,486,590	13,738,503	13,743,459	13,751,119	13,750,446			
12/31/2016	13,991,268	14,286,012	14,281,472	14,269,590				
12/31/2017	13,881,212	14,066,364	14,051,099					
12/31/2018	13,993,735	14,186,212						
12/31/2019	14,407,675							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2012	1.011	0.999	0.972	1.000	1.000	1.000	1.000
12/31/2013	1.024	0.978	1.001	1.000	1.000	1.000	
12/31/2014	0.985	0.998	1.000	1.000	1.000		
12/31/2015	1.019	1.000	1.001	1.000			
12/31/2016	1.021	1.000	0.999				
12/31/2017	1.013	0.999					
12/31/2018	1.014						
12/31/2019							

Average Best 3 of 5
27:15 39:27
 1.015 0.999

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>
12/31/2012	512,973,438	510,176,861	510,085,286	505,351,937	505,378,832	505,376,928	505,358,312	505,353,669
12/31/2013	565,202,942	576,698,213	569,269,170	569,205,516	569,229,287	569,199,160	569,212,276	
12/31/2014	627,240,739	633,359,295	632,855,651	632,959,406	632,944,606	632,934,037		
12/31/2015	656,789,952	670,188,579	669,821,741	669,866,012	669,818,503			
12/31/2016	682,867,467	696,328,429	696,405,233	696,865,233				
12/31/2017	700,151,683	710,319,158	710,184,829					
12/31/2018	716,823,891	725,148,518						
12/31/2019	726,225,982							

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>
12/31/2012	0.995	1.000	0.991	1.000	1.000	1.000	1.000
12/31/2013	1.020	0.987	1.000	1.000	1.000	1.000	
12/31/2014	1.010	0.999	1.000	1.000	1.000		
12/31/2015	1.020	0.999	1.000	1.000			
12/31/2016	1.020	1.000	1.001				
12/31/2017	1.015	1.000					
12/31/2018	1.012						

Average Best 3 of 5
27:15
1.016 39:27
0.999

LOCAL PRODUCTS/COMPLETED OPERATIONS LOSS DEVELOPMENT DATA
TABLE OF CONTENTS

COMPLETED OPERATIONS

Calculation of State Loss Development Factors	G-10-13
State BI Indemnity	G-14-15
State BI ALAE	G-16
State PD Indemnity	G-17-18
State PD ALAE	G-19
Multistate BI Indemnity-Full	G-20-21
Multistate BI Indemnity-Ded	G-22-23
Multistate BI ALAE	G-24-25
Multistate PD Indemnity-Full	G-26-27
Multistate PD Indemnity-Ded	G-28-29
Multistate PD ALAE	G-30-31

LOCAL PRODUCTS

Multistate BI Indemnity-Full	G-32-33
Multistate BI Indemnity-Ded	G-34-35
Multistate BI ALAE	G-36-38
Multistate PD Indemnity-Full	G-39-40
Multistate PD Indemnity-Ded	G-41-42
Multistate PD ALAE	G-43-45

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	1.928	0.945	0.5293	1.408	350,000
27 to 39 Months	1.447	1.527	0.5406	1.490	390,000
39 to 51 Months	1.064	0.444	0.3148	0.869	420,000
51 to 63 Months	1.000	1.046	0.2907	1.013	460,000
63 to 75 Months	0.979	0.796	0.3074	0.923	510,000
75 to 87 Months	0.986	1.000	0.1101	0.988	550,000
87 to 99 Months	0.985	1.000	0.1367	0.987	610,000
99 to 111 Months	0.996	1.000	0.1776	0.997	660,000
111 to 123 Months	0.990	1.000	0.1593	0.992	730,000
123 to 135 Months	0.996	1.000	0.2512	0.997	800,000
135 to 147 Months	0.999	1.000	0.2323	0.999	880,000
147 to 159 Months	0.999	1.000	0.2182	0.999	970,000
159 to 171 Months	0.999	1.000	0.1539	0.999	1,100,000
171 to 183 Months	1.000	1.000	0.1201	1.000	1,200,000
183 to 195 Months	1.000	1.000	0.2253	1.000	1,300,000
195 to 207 Months	0.999	1.000	0.2299	0.999	1,400,000
207 to 219 Months	1.000	1.000	0.2649	1.000	1,600,000
219 to 231 Months	1.000	1.000	0.1726	1.000	1,700,000
231 to 243 Months	1.000	1.000	0.1091	1.000	1,900,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2017			0.869	1.013	0.923	0.988	0.987	0.997	0.992	0.997	0.999
12/31/2018		1.490	0.869	1.013	0.923	0.988	0.987	0.997	0.992	0.997	0.999
12/31/2019	1.408	1.490	0.869	1.013	0.923	0.988	0.987	0.997	0.992	0.997	0.999

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
12/31/2017	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000	0.778
12/31/2018	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.159
12/31/2019	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000	1.633

(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) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)
15 to 27 Months	0.0659
27 to 39 Months	0.1252
39 to 51 Months	0.1103
51 to 63 Months	0.0804
63 to 75 Months	0.0482
75 to 87 Months	0.0212
87 to 99 Months	0.0053
99 to 111 Months	0.0111
111 to 123 Months	0.0046
123 to 135 Months	0.0008
135 to 147 Months	0.0067
147 to 159 Months	0.0041
159 to 171 Months	0.0032
171 to Ultimate	A multistate link ratio factor of 1.014 has been used.

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.487	0.421	0.296	0.186	0.105	0.057	0.036
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.030	0.019	0.015	0.014	0.007	0.003	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	38,438	673,230	0.296	199,276	237,714	1.014	241,039
12/31/2018	22,663	124,100	0.421	52,246	74,909	1.014	75,956
12/31/2019	300	310,517	0.487	151,221	151,521	1.014	153,639

(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)	
<u>EVALUATION PERIOD</u>	<u>MULTISTATE RATIO (A)</u>	<u>STATE RATIO (B)</u>	<u>CREDIBILITY (C)</u>	<u>WEIGHTED RATIO (D)</u>	<u>Credibility Constant (Ki)</u>
15 to 27 Months	1.232	1.170	0.6970	1.189	1,000,000
27 to 39 Months	1.117	1.013	0.7480	1.039	1,100,000
39 to 51 Months	1.060	1.023	0.7839	1.031	1,100,000
51 to 63 Months	1.041	1.026	0.7565	1.030	1,200,000
63 to 75 Months	1.040	1.011	0.7028	1.020	1,300,000
75 to 87 Months	1.030	0.926	0.6890	0.958	1,400,000
87 to 99 Months	1.023	1.001	0.7094	1.007	1,500,000
99 to 111 Months	1.041	1.001	0.7401	1.011	1,600,000
111 to 123 Months	1.017	1.015	0.7514	1.015	1,700,000
123 to 135 Months	1.020	0.991	0.7742	0.998	1,900,000
135 to 147 Months	1.011	0.995	0.7565	0.999	2,000,000
147 to 159 Months	1.010	0.997	0.7391	1.000	2,200,000
159 to 171 Months	1.006	1.000	0.6942	1.002	2,300,000
171 to 183 Months	1.008	1.000	0.6800	1.003	2,500,000
183 to 195 Months	1.003	1.000	0.7557	1.001	2,700,000
195 to 207 Months	1.002	1.000	0.7583	1.000	2,900,000
207 to 219 Months	1.003	1.000	0.7611	1.001	3,100,000
219 to 231 Months	1.002	1.000	0.6122	1.001	3,300,000
231 to 243 Months	1.001	1.000	0.4275	1.001	3,500,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	Loss Development From										Factor
	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	
12/31/2017			1.031	1.030	1.020	0.958	1.007	1.011	1.015	0.998	0.999
12/31/2018		1.039	1.031	1.030	1.020	0.958	1.007	1.011	1.015	0.998	0.999
12/31/2019	1.189	1.039	1.031	1.030	1.020	0.958	1.007	1.011	1.015	0.998	0.999
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	
12/31/2017	1.000	1.002	1.003	1.001	1.000	1.001	1.001	1.001	1.001	1.001	1.080
12/31/2018	1.000	1.002	1.003	1.001	1.000	1.001	1.001	1.001	1.001	1.001	1.122
12/31/2019	1.000	1.002	1.003	1.001	1.000	1.001	1.001	1.001	1.001	1.001	1.334

(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) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)
15 to 27 Months	0.0663
27 to 39 Months	0.0797
39 to 51 Months	0.0832
51 to 63 Months	0.0578
63 to 75 Months	0.0470
75 to 87 Months	0.0315
87 to 99 Months	0.0251
99 to 111 Months	0.0267
111 to 123 Months	0.0235
123 to 135 Months	0.0256
135 to 147 Months	0.0150
147 to 159 Months	0.0134
159 to 171 Months	0.0082
171 to Ultimate	A multistate link ratio factor of 1.034 has been used.

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.503	0.437	0.357	0.274	0.216	0.169	0.137
<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>
	0.112	0.086	0.062	0.037	0.022	0.008	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	201,440	1,191,757	0.357	425,457	626,897	1.034	648,203
12/31/2018	44,991	1,006,063	0.437	439,651	484,642	1.034	501,114
12/31/2019	257,484	2,410,290	0.503	1,212,376	1,469,860	1.034	1,519,825

(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:

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
12/31/2000	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	112,500
12/31/2010	51,000	41,000	71,010	71,000	20,000	20,000	44,059	22,500	22,500	22,500	
12/31/2011	35,000	10,000	32,500	49,821	50,989	7,500	7,500	7,500	7,500		
12/31/2012	57,000	20,000	57,500	10,000	110,000	45,000	45,000	45,000			
12/31/2013	8,597	11,497	115,533	40,533	15,533	15,533	15,533				
12/31/2014	52,149	43,918	112,028	90,368	100,868	98,868					
12/31/2015	84,000	62,605	57,605	57,605	57,605						
12/31/2016	61,000	76,165	23,332	3,332							
12/31/2017	236,500	320,099	355,579								
12/31/2018	96,100	61,000									
12/31/2019	145,169										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	232,790	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	121,909	
12/31/2002	221,955	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	74,092			
12/31/2004	82,003	82,003	82,003	82,003	82,003				
12/31/2005	7,631	7,631	7,631	7,631					
12/31/2006	110,509	110,509	110,509						
12/31/2007	152,513	152,513							
12/31/2008	3,314								

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

A.Y.E.	27: 15	39: 27	51: 39	Link Ratios							
				63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	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	0.596	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	1.000
12/31/2009	0.043	119.811	0.939	1.000	1.000	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	1.000	1.000	1.000
12/31/2011	0.286	3.250	1.533	1.023	0.147	1.000	1.000	1.000			
12/31/2012	0.351	2.875	0.174	11.000	0.409	1.000	1.000				
12/31/2013	1.337	10.049	0.351	0.383	1.000	1.000					
12/31/2014	0.842	2.551	0.807	1.116	0.980						
12/31/2015	0.745	0.920	1.000	1.000							
12/31/2016	1.249	0.306	0.143								
12/31/2017	1.353	1.111									
12/31/2018	0.635										
3 Yr Mean	1.079	0.779	0.650	0.833	0.796	1.000	0.837	1.000	1.000	1.000	1.000
Best 3/5	0.945	1.527	0.444	1.046	0.796	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			
12/31/2000	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	1.000	1.000	1.000	1.000	1.000			
12/31/2005	1.000	1.000	1.000								
12/31/2006	1.000	1.000									
12/31/2007	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 *			

A.Y.E.	15/ 27	27/ 39	Development From								
			39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					0.796	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016				1.046	0.796	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017			0.444	1.046	0.796	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018		1.527	0.444	1.046	0.796	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2019	0.945	1.527	0.444	1.046	0.796	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
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.796
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.833
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.370
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.565
12/31/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.533

* 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>
12/31/2000	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	13,027
12/31/2010	27,500	35,915	29,535	65,986	68,377	68,376	74,318	96,010	96,010	96,010	
12/31/2011	0	8,001	12,290	57,114	68,124	68,483	68,483	68,483	68,483		
12/31/2012	1,974	5,178	42,682	47,352	97,839	193,144	152,366	152,366			
12/31/2013	13,536	19,115	103,942	77,194	57,014	57,014	57,014				
12/31/2014	0	14,800	64,801	134,107	99,434	109,433					
12/31/2015	0	20	20	20	20						
12/31/2016	1,130	8,927	7,594	7,594							
12/31/2017	51,607	25,100	38,438								
12/31/2018	2,663	28,715									
12/31/2019	300										

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>
12/31/2000	52,277	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	60,812	
12/31/2002	281,716	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	45,978			
12/31/2004	175,633	175,633	175,633	175,633	175,633				
12/31/2005	73,290	73,290	73,290	73,290					
12/31/2006	275,616	275,616	275,616						
12/31/2007	70,977	70,977							
12/31/2008	31,477								

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:

<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>
12/31/2000	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	1,525,194	2,633,568	3,114,240	3,953,308	4,204,032	4,295,077	4,510,395	4,574,392	4,731,597	4,721,142	4,682,976
12/31/2003	945,335	1,181,379	1,305,140	1,214,396	1,391,908	1,589,347	1,486,991	1,586,880	1,715,204	1,825,366	1,805,367
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	1,908,305
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	1,605,349	
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	1,099,501		
12/31/2012	1,074,109	859,799	871,669	948,818	1,016,638	998,701	907,218	907,418			
12/31/2013	1,111,763	888,204	823,557	721,568	779,966	855,072	967,702				
12/31/2014	1,412,404	1,622,272	1,461,760	1,497,561	1,277,253	1,259,762					
12/31/2015	984,332	1,259,011	1,255,981	1,509,193	1,396,111						
12/31/2016	674,180	1,113,429	1,273,440	1,216,645							
12/31/2017	841,130	892,697	994,889								
12/31/2018	785,413	849,178									
12/31/2019	843,837										

<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>
12/31/2000	2,617,727	2,633,165	2,613,224	2,613,224	2,613,224	2,613,224	2,613,224	2,613,224	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	2,596,238	
12/31/2002	4,668,478	4,695,965	4,695,965	4,695,965	4,695,965	4,668,558	4,668,558		
12/31/2003	1,824,841	1,804,841	1,805,186	1,805,186	1,805,186	1,805,186			
12/31/2004	1,821,302	1,821,302	1,851,302	1,850,302	1,826,363				
12/31/2005	1,669,361	1,660,486	1,655,486	1,655,486					
12/31/2006	1,739,311	1,739,211	1,739,211						
12/31/2007	2,822,160	2,812,660							
12/31/2008	1,719,643								

COMPLETED OPERATIONS (Subline Code 336)

FULL COVERAGE

MINNESOTA

PROPERTY DAMAGE - OCCURENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	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	1.727	1.183	1.269	1.063	1.022	1.050	1.014	1.034	0.998	0.992	0.997
12/31/2003	1.250	1.105	0.930	1.146	1.142	0.936	1.067	1.081	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	1.001
12/31/2009	0.979	1.225	1.110	0.912	0.973	0.918	1.039	0.972	1.005	1.026	
12/31/2010	1.171	1.164	1.133	0.994	0.966	0.951	0.955	1.021	1.008		
12/31/2011	0.853	1.179	0.936	1.117	1.064	0.898	0.973	1.009			
12/31/2012	0.800	1.014	1.089	1.071	0.982	0.908	1.000				
12/31/2013	0.799	0.927	0.876	1.081	1.096	1.132					
12/31/2014	1.149	0.901	1.024	0.853	0.986						
12/31/2015	1.279	0.998	1.202	0.925							
12/31/2016	1.652	1.144	0.955								
12/31/2017	1.061	1.114									
12/31/2018	1.081										
3 Yr Mean	1.265	1.085	1.060	0.953	1.021	0.979	0.976	1.001	1.020	0.991	1.014
Best 3/5	1.170	1.013	1.023	1.026	1.011	0.926	1.001	1.001	1.015	0.991	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
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	0.987	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2005	0.995	0.997	1.000					
12/31/2006	1.000	1.000						
12/31/2007	0.997							
3 Yr Mean	0.997	1.004	1.000	0.996	0.998 @	1.000 @	1.000 @	1.000 @
Best 3/5	0.997	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					1.011	0.926	1.001	1.001	1.015	0.991	0.995
12/31/2016				1.026	1.011	0.926	1.001	1.001	1.015	0.991	0.995
12/31/2017			1.023	1.026	1.011	0.926	1.001	1.001	1.015	0.991	0.995
12/31/2018		1.013	1.023	1.026	1.011	0.926	1.001	1.001	1.015	0.991	0.995
12/31/2019	1.170	1.013	1.023	1.026	1.011	0.926	1.001	1.001	1.015	0.991	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.936
12/31/2016	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.960
12/31/2017	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.982
12/31/2018	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.995
12/31/2019	0.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.164

* 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

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>
12/31/2000	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	107,827	479,308	1,090,926	1,565,839	1,979,910	2,417,987	2,584,665	2,716,832	2,898,821	3,054,478	3,158,219
12/31/2003	50,594	272,592	476,786	639,574	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	1,808,251
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	1,711,943	
12/31/2011	223,886	396,842	647,746	709,760	820,316	873,543	950,564	1,017,180	1,056,977		
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	1,362,945				
12/31/2014	299,067	665,066	965,514	1,211,453	1,303,256	1,319,284					
12/31/2015	204,593	447,580	689,473	928,738	1,013,659						
12/31/2016	217,332	392,346	462,603	596,340							
12/31/2017	86,710	242,221	351,644								
12/31/2018	20,278	29,882									
12/31/2019	235,017										

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>
12/31/2000	1,904,112	1,936,682	1,959,637	1,959,637	1,959,637	1,959,637	1,959,637	1,959,637	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	1,732,780	
12/31/2002	3,174,928	3,178,707	3,178,707	3,178,707	3,178,707	3,178,707	3,178,707		
12/31/2003	1,438,036	1,404,538	1,406,512	1,406,512	1,406,512	1,406,512			
12/31/2004	2,260,498	2,290,278	2,321,360	2,321,359	2,307,918				
12/31/2005	1,904,846	1,882,167	1,886,522	1,886,522					
12/31/2006	1,995,287	1,961,128	1,961,128						
12/31/2007	1,866,078	1,866,078							
12/31/2008	2,319,338								

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
12/31/2000	3,242,674	7,144,726	8,981,631	10,648,892	10,464,196	10,814,240	10,323,302	10,286,487	10,137,136	10,175,780	10,173,201
12/31/2001	3,133,452	6,660,980	8,776,836	9,811,634	10,370,281	10,363,562	10,197,264	9,952,141	9,847,539	9,746,086	9,767,456
12/31/2002	2,758,877	6,641,268	8,656,737	9,461,388	10,317,479	10,423,394	10,763,771	10,970,492	11,190,124	11,294,959	11,328,677
12/31/2003	3,470,539	6,397,716	9,686,336	10,239,423	10,166,351	9,993,584	9,741,661	9,703,855	9,687,387	9,723,788	9,774,798
12/31/2004	4,459,289	6,731,994	9,314,891	10,444,438	10,389,712	9,863,317	10,176,098	10,131,332	10,114,920	10,150,083	10,254,941
12/31/2005	4,032,914	6,897,838	9,698,351	10,798,454	10,752,934	10,954,814	11,310,428	11,195,717	11,118,123	11,210,059	11,165,605
12/31/2006	4,118,288	7,991,102	12,143,269	12,860,188	12,777,964	12,975,034	12,848,267	13,060,896	12,972,185	12,886,864	12,813,754
12/31/2007	4,102,327	7,805,367	10,690,625	11,903,762	11,984,701	12,062,570	11,769,326	11,919,965	12,116,873	11,902,398	11,882,985
12/31/2008	4,034,766	7,616,099	10,989,668	11,695,921	11,492,025	11,443,616	12,120,941	11,857,037	11,913,439	11,869,198	12,033,604
12/31/2009	4,688,238	7,515,638	10,516,899	11,134,662	11,140,849	11,587,261	11,291,981	11,279,398	11,165,995	11,006,663	10,941,865
12/31/2010	4,587,101	9,381,269	11,472,678	12,840,889	13,943,374	13,994,289	13,548,619	13,404,958	13,297,191	13,174,779	
12/31/2011	4,511,215	7,061,884	10,610,877	12,695,390	12,661,749	11,638,688	11,728,586	11,507,789	11,398,868		
12/31/2012	3,387,762	7,252,074	12,865,348	12,856,255	13,101,719	12,982,240	12,656,061	12,471,057			
12/31/2013	4,000,180	9,223,943	11,294,278	12,956,977	13,071,827	13,037,182	13,279,634				
12/31/2014	5,096,138	7,859,189	11,925,736	12,349,829	12,174,727	11,560,249					
12/31/2015	4,298,913	7,713,301	11,385,982	12,137,423	12,054,672						
12/31/2016	2,908,112	7,655,730	11,103,353	12,115,610							
12/31/2017	3,891,649	7,788,966	11,023,869								
12/31/2018	4,420,937	8,796,088									
12/31/2019	5,392,704										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	10,209,494	10,262,237	10,204,987	10,258,241	10,253,237	10,268,236	10,268,236	10,266,686	10,303,236
12/31/2001	9,818,357	9,822,141	9,859,183	9,902,390	9,879,026	9,848,825	9,943,870	9,949,326	
12/31/2002	11,261,882	11,292,415	11,436,649	11,437,359	11,426,321	11,470,449	11,470,449		
12/31/2003	9,810,302	9,823,349	9,862,102	9,842,101	9,842,601	9,815,600			
12/31/2004	10,319,211	10,515,671	10,451,455	10,458,456	10,484,290				
12/31/2005	11,058,866	11,015,958	10,954,617	10,939,482					
12/31/2006	12,815,753	12,808,200	12,805,200						
12/31/2007	11,907,480	11,821,151							
12/31/2008	11,956,080								

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

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	2.203	1.257	1.186	0.983	1.033	0.955	0.996	0.985	1.004	1.000	1.004
12/31/2001	2.126	1.318	1.118	1.057	0.999	0.984	0.976	0.989	0.990	1.002	1.005
12/31/2002	2.407	1.303	1.093	1.090	1.010	1.033	1.019	1.020	1.009	1.003	0.994
12/31/2003	1.843	1.514	1.057	0.993	0.983	0.975	0.996	0.998	1.004	1.005	1.004
12/31/2004	1.510	1.384	1.121	0.995	0.949	1.032	0.996	0.998	1.003	1.010	1.006
12/31/2005	1.710	1.406	1.113	0.996	1.019	1.032	0.990	0.993	1.008	0.996	0.990
12/31/2006	1.940	1.520	1.059	0.994	1.015	0.990	1.017	0.993	0.993	0.994	1.000
12/31/2007	1.903	1.370	1.113	1.007	1.006	0.976	1.013	1.017	0.982	0.998	1.002
12/31/2008	1.888	1.443	1.064	0.983	0.996	1.059	0.978	1.005	0.996	1.014	0.994
12/31/2009	1.603	1.399	1.059	1.001	1.040	0.975	0.999	0.990	0.986	0.994	
12/31/2010	2.045	1.223	1.119	1.086	1.004	0.968	0.989	0.992	0.991		
12/31/2011	1.565	1.503	1.196	0.997	0.919	1.008	0.981	0.991			
12/31/2012	2.141	1.774	0.999	1.019	0.991	0.975	0.985				
12/31/2013	2.306	1.224	1.147	1.009	0.997	1.019					
12/31/2014	1.542	1.517	1.036	0.986	0.950						
12/31/2015	1.794	1.476	1.066	0.993							
12/31/2016	2.633	1.450	1.091								
12/31/2017	2.001	1.415									
12/31/2018	1.990										
3 Yr Mean	2.208	1.447	1.064	0.996	0.979	1.001	0.985	0.991	0.991	1.002	0.999
Best 3/5	1.928	1.447	1.064	1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	1.005	0.994	1.005	1.000	1.001	1.000	1.000	1.004			
12/31/2001	1.000	1.004	1.004	0.998	0.997	1.010	1.001	1.000 *			
12/31/2002	1.003	1.013	1.000	0.999	1.004	1.000	1.000 *	1.000 *			
12/31/2003	1.001	1.004	0.998	1.000	0.997	0.999 *	1.000 *	1.000 *			
12/31/2004	1.019	0.994	1.001	1.002	1.000 *	0.999 *	1.000 *	1.000 *			
12/31/2005	0.996	0.994	0.999								
12/31/2006	0.999	1.000									
12/31/2007	0.993										
3 Yr Mean	0.996	0.996	0.999	1.000	0.999 @	1.003 @	1.001 @	1.004 @			
Best 3/5	0.999	0.999	1.000	1.000	0.999 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					0.979	0.986	0.985	0.996	0.990	0.996	0.999
12/31/2016				1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999
12/31/2017			1.064	1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999
12/31/2018		1.447	1.064	1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999
12/31/2019	1.928	1.447	1.064	1.000	0.979	0.986	0.985	0.996	0.990	0.996	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	0.930
12/31/2016	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	0.930
12/31/2017	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	0.990
12/31/2018	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	1.432
12/31/2019	0.999	0.999	1.000	1.000	0.999	1.000	1.000	1.000	1.000*	2.761

* 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
12/31/2000	200,596	346,602	976,862	1,276,948	1,067,025	1,639,815	1,461,086	1,342,286	1,417,605	1,408,305	1,337,107
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	1,208,023
12/31/2002	225,354	646,851	1,120,130	1,160,429	1,369,778	1,357,332	1,668,535	1,718,535	1,542,453	1,464,178	1,393,679
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	1,320,895	1,320,895	1,344,495
12/31/2004	267,810	621,021	1,029,012	1,051,848	1,091,198	1,010,394	845,283	857,080	890,480	868,580	821,480
12/31/2005	666,165	1,019,464	969,246	921,235	1,102,588	946,878	1,048,432	1,050,432	1,013,532	1,152,441	1,097,866
12/31/2006	817,591	1,004,931	1,254,896	1,371,721	1,367,373	1,198,955	1,173,954	1,394,554	1,534,005	1,484,236	1,380,504
12/31/2007	289,168	836,860	810,021	946,250	1,039,501	1,152,701	1,092,343	1,085,168	1,060,864	1,060,365	1,108,415
12/31/2008	275,445	623,754	665,194	761,040	735,573	914,521	1,007,977	1,145,724	1,158,771	1,096,313	1,095,313
12/31/2009	471,789	950,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244	1,038,243	1,153,243	1,138,109
12/31/2010	598,172	717,553	1,271,274	1,676,833	1,417,928	1,351,454	1,276,164	1,322,665	1,417,736	1,417,726	
12/31/2011	270,205	768,752	1,179,204	1,638,563	1,671,608	1,555,990	1,555,990	1,555,990	1,555,990		
12/31/2012	383,511	1,139,597	1,405,578	1,652,860	1,649,357	1,695,210	1,692,710	1,712,708			
12/31/2013	1,675,399	2,417,513	2,512,315	2,522,059	2,567,808	2,668,307	2,782,307				
12/31/2014	1,846,961	2,366,662	2,733,796	3,025,494	3,109,813	3,062,713					
12/31/2015	979,370	1,453,033	1,825,642	2,328,315	2,235,619						
12/31/2016	1,109,680	2,254,257	2,968,685	3,139,415							
12/31/2017	527,754	1,879,511	2,447,208								
12/31/2018	870,529	1,778,390									
12/31/2019	1,188,706										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/2000	1,354,107	1,316,105	1,286,105	1,353,605	1,348,605	1,348,605	1,349,105	1,350,155	1,349,605		
12/31/2001	1,208,024	1,208,027	1,251,024	1,211,023	1,211,024	1,236,024	1,236,023	1,236,023			
12/31/2002	1,352,778	1,357,680	1,356,612	1,356,611	1,356,611	1,456,610	1,456,610				
12/31/2003	1,342,395	1,319,895	1,319,396	1,319,396	1,419,395	1,419,395					
12/31/2004	820,381	820,282	820,281	920,280	920,280						
12/31/2005	1,137,867	1,137,866	1,198,115	1,197,865							
12/31/2006	1,339,254	1,439,251	1,439,251								
12/31/2007	1,317,414	1,217,414									
12/31/2008	1,090,313										

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

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	1.728	2.818	1.307	0.836	1.537	0.891	0.919	1.056	0.993	0.949	1.013
12/31/2001	2.100	1.297	1.056	0.941	1.087	1.256	1.078	0.965	0.990	0.928	1.000
12/31/2002	2.870	1.732	1.036	1.180	0.991	1.229	1.030	0.898	0.949	0.952	0.971
12/31/2003	2.714	1.574	0.919	0.965	1.085	1.002	1.019	0.985	1.000	1.018	0.998
12/31/2004	2.319	1.657	1.022	1.037	0.926	0.837	1.014	1.039	0.975	0.946	0.999
12/31/2005	1.530	0.951	0.950	1.197	0.859	1.107	1.002	0.965	1.137	0.953	1.036
12/31/2006	1.229	1.249	1.093	0.997	0.877	0.979	1.188	1.100	0.968	0.930	0.970
12/31/2007	2.894	0.968	1.168	1.099	1.109	0.948	0.993	0.978	1.000	1.045	1.189
12/31/2008	2.265	1.066	1.144	0.967	1.243	1.102	1.137	1.011	0.946	0.999	0.995
12/31/2009	2.014	1.125	1.182	0.858	1.064	0.952	1.000	0.946	1.111	0.987	
12/31/2010	1.200	1.772	1.319	0.846	0.953	0.944	1.036	1.072	1.000		
12/31/2011	2.845	1.534	1.390	1.020	0.931	1.000	1.000	1.000			
12/31/2012	2.971	1.233	1.176	0.998	1.028	0.999	1.012				
12/31/2013	1.443	1.039	1.004	1.018	1.039	1.043					
12/31/2014	1.281	1.155	1.107	1.028	0.985						
12/31/2015	1.484	1.256	1.275	0.960							
12/31/2016	2.031	1.317	1.058								
12/31/2017	3.561	1.302									
12/31/2018	2.043										
3 Yr Mean	2.545	1.292	1.147	1.002	1.017	1.014	1.016	1.006	1.019	1.010	1.051
Best 3/5	1.853	1.238	1.114	1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	0.972	0.977	1.052	0.996	1.000	1.000	1.001	1.000			
12/31/2001	1.000	1.036	0.968	1.000	1.021	1.000	1.000	1.001 *			
12/31/2002	1.004	0.999	1.000	1.000	1.074	1.000	1.001 *	1.001 *			
12/31/2003	0.983	1.000	1.000	1.076	1.000	1.007 *	1.001 *	1.001 *			
12/31/2004	1.000	1.000	1.122	1.000	1.000 *	1.007 *	1.001 *	1.001 *			
12/31/2005	1.000	1.053	1.000								
12/31/2006	1.075	1.000									
12/31/2007	0.924										
3 Yr Mean	1.000	1.018	1.041	1.025	1.032 @	1.000 @	1.001 @	1.000 @			
Best 3/5	0.994	1.000	1.000	1.000	1.007 *	1.002 *	1.001 *	1.001 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					0.989	0.984	1.016	0.996	0.989	0.980	1.010
12/31/2016				1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010
12/31/2017			1.114	1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010
12/31/2018		1.238	1.114	1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010
12/31/2019	1.853	1.238	1.114	1.012	0.989	0.984	1.016	0.996	0.989	0.980	1.010

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	0.973
12/31/2016	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	0.984
12/31/2017	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	1.097
12/31/2018	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	1.358
12/31/2019	0.994	1.000	1.000	1.000	1.007	1.002	1.001	1.001	1.004*	2.516

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

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

A.Y.E	Allocated Expenses as of:										
	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/2000	643,844	2,431,452	3,578,961	5,854,174	6,394,044	7,064,768	7,067,499	7,064,159	7,114,848	7,362,976	7,373,492
12/31/2001	558,211	1,856,091	3,689,297	5,810,923	7,200,600	7,909,890	8,510,608	8,496,738	8,559,767	8,569,994	8,542,240
12/31/2002	664,985	2,787,414	4,538,065	7,756,133	8,549,969	9,970,633	10,287,382	10,637,334	10,891,335	10,908,318	10,991,183
12/31/2003	1,043,010	2,221,347	4,668,805	7,438,984	8,290,635	8,904,390	9,533,868	9,529,891	9,401,256	9,440,277	9,492,425
12/31/2004	541,289	1,801,861	4,151,954	6,488,638	8,171,597	9,128,242	10,318,999	10,164,636	10,235,773	10,264,179	10,587,457
12/31/2005	728,569	1,319,198	3,655,956	6,037,866	7,273,289	7,943,782	8,472,072	8,676,203	8,995,840	9,287,042	9,457,581
12/31/2006	743,466	3,193,168	5,897,006	7,596,244	9,018,645	10,174,820	10,735,728	11,061,898	11,336,147	11,351,122	11,330,437
12/31/2007	799,462	2,375,331	5,141,892	8,716,390	9,718,518	10,325,847	10,590,425	10,874,455	11,055,835	11,168,546	11,197,300
12/31/2008	815,732	2,139,077	4,509,355	6,682,726	8,683,219	9,845,665	10,550,990	11,056,131	11,754,341	15,012,188	14,804,798
12/31/2009	541,159	1,879,623	4,050,348	6,338,868	8,614,865	9,187,449	9,470,536	9,692,278	9,704,391	9,821,435	9,861,032
12/31/2010	826,831	2,779,802	5,287,250	8,031,142	10,606,394	11,712,257	12,568,267	12,604,517	12,991,200	13,061,123	
12/31/2011	778,980	2,081,452	4,381,129	7,615,724	9,911,678	10,731,903	11,176,153	11,258,464	11,417,519		
12/31/2012	390,490	1,620,373	5,442,819	8,050,079	9,704,090	11,475,152	12,126,816	11,530,076			
12/31/2013	508,732	2,077,655	4,775,359	8,156,124	10,055,383	11,352,873	11,734,808				
12/31/2014	543,643	2,178,262	5,285,493	7,069,279	8,248,455	9,161,634					
12/31/2015	446,937	1,725,785	4,633,495	6,391,667	8,343,686						
12/31/2016	405,440	1,820,825	3,795,001	7,484,555							
12/31/2017	658,897	2,130,600	4,756,450								
12/31/2018	497,876	2,138,309									
12/31/2019	362,112										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	7,486,032	7,482,514	7,471,828	7,477,641	7,481,397	7,493,624	7,501,156	7,512,411	7,534,046
12/31/2001	8,574,704	8,563,428	8,575,788	8,645,541	8,650,188	8,660,389	8,664,277	8,665,825	
12/31/2002	11,057,454	11,241,972	11,328,090	11,430,407	11,442,012	11,700,958	11,747,193		
12/31/2003	9,603,711	9,641,345	9,718,646	9,735,412	9,750,829	9,764,259			
12/31/2004	10,770,869	10,896,981	10,947,311	10,992,156	10,947,057				
12/31/2005	9,597,891	9,825,371	9,885,629	9,760,472					
12/31/2006	11,427,248	11,425,329	11,434,777						
12/31/2007	11,194,820	11,251,444							
12/31/2008	15,025,797								

A.Y.E	Link Ratios: 171 to Ultimate							
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243	
12/31/2000	1.001	1.001	1.002	1.001	1.002	1.003	1.004	*
12/31/2001	1.008	1.001	1.001	1.000	1.000	1.001	1.004	*
12/31/2002	1.009	1.001	1.023	1.004	1.001	1.001	1.004	*
12/31/2003	1.002	1.002	1.001	1.001	1.001	1.001	1.004	*
12/31/2004	1.004	0.996	1.000	1.001	1.001	1.001	1.004	*
12/31/2005	0.987							
Best 3/5	1.005	1.001	1.001	1.001	1.001	1.001	1.004	*

171 to Ultimate Factor: 1.014

* Calculated Using Modified Bondy Method

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

A.Y.E	Increments												
	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
12/31/2000	1,787,608	1,147,509	2,275,213	539,870	670,724	2,731	-3,340	50,689	248,128	10,516	112,540	-3,518	-10,686
12/31/2001	1,297,880	1,833,206	2,121,626	1,389,677	709,290	600,718	-13,870	63,029	10,227	-27,754	32,464	-11,276	12,360
12/31/2002	2,122,429	1,750,651	3,218,068	793,836	1,420,664	316,749	349,952	254,001	16,983	82,865	66,271	184,518	86,118
12/31/2003	1,178,337	2,447,458	2,770,179	851,651	613,755	629,478	-3,977	-128,635	39,021	52,148	111,286	37,634	77,301
12/31/2004	1,260,572	2,350,093	2,336,684	1,682,959	956,645	1,190,757	-154,363	71,137	28,406	323,278	183,412	126,112	50,330
12/31/2005	590,629	2,336,758	2,381,910	1,235,423	670,493	528,290	204,131	319,637	291,202	170,539	140,310	227,480	60,258
12/31/2006	2,449,702	2,703,838	1,699,238	1,422,401	1,156,175	560,908	326,170	274,249	14,975	-20,685	96,811	-1,919	9,448
12/31/2007	1,575,869	2,766,561	3,574,498	1,002,128	607,329	264,578	284,030	181,380	112,711	28,754	-2,480	56,624	
12/31/2008	1,323,345	2,370,278	2,173,371	2,000,493	1,162,446	705,325	505,141	698,210	3,257,847	-207,390	220,999		
12/31/2009	1,338,464	2,170,725	2,288,520	2,275,997	572,584	283,087	221,742	12,113	117,044	39,597			
12/31/2010	1,952,971	2,507,448	2,743,892	2,575,252	1,105,863	856,010	36,250	386,683	69,923				
12/31/2011	1,302,472	2,299,677	3,234,595	2,295,954	820,225	444,250	82,311	159,055					
12/31/2012	1,229,883	3,822,446	2,607,260	1,654,011	1,771,062	651,664	-596,740						
12/31/2013	1,568,923	2,697,704	3,380,765	1,899,259	1,297,490	381,935							
12/31/2014	1,634,619	3,107,231	1,783,786	1,179,176	913,179								
12/31/2015	1,278,848	2,907,710	1,758,172	1,952,019									
12/31/2016	1,415,385	1,974,176	3,689,554										
12/31/2017	1,471,703	2,625,850											
12/31/2018	1,640,433												

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
12/31/2000	0.0940	0.0603	0.1196	0.0284	0.0353	0.0001	-0.0002	0.0027	0.0130	0.0006	0.0059	-0.0002	-0.0006
12/31/2001	0.0754	0.1064	0.1232	0.0807	0.0412	0.0349	-0.0008	0.0037	0.0006	-0.0016	0.0019	-0.0007	0.0007
12/31/2002	0.0969	0.0800	0.1470	0.0363	0.0649	0.0145	0.0160	0.0116	0.0008	0.0038	0.0030	0.0084	0.0039
12/31/2003	0.0692	0.1436	0.1626	0.0500	0.0360	0.0369	-0.0002	-0.0075	0.0023	0.0031	0.0065	0.0022	0.0045
12/31/2004	0.0719	0.1341	0.1333	0.0960	0.0546	0.0679	-0.0088	0.0041	0.0016	0.0184	0.0105	0.0072	0.0029
12/31/2005	0.0267	0.1056	0.1076	0.0558	0.0303	0.0239	0.0092	0.0144	0.0132	0.0077	0.0063	0.0103	0.0027
12/31/2006	0.0956	0.1055	0.0663	0.0555	0.0451	0.0219	0.0127	0.0107	0.0006	-0.0008	0.0038	-0.0001	0.0004
12/31/2007	0.0765	0.1343	0.1735	0.0486	0.0295	0.0128	0.0138	0.0088	0.0055	0.0014	-0.0001	0.0027	
12/31/2008	0.0598	0.1071	0.0982	0.0904	0.0525	0.0319	0.0228	0.0315	0.1472	-0.0094	0.0100		
12/31/2009	0.0622	0.1008	0.1063	0.1057	0.0266	0.0131	0.0103	0.0006	0.0054	0.0018			
12/31/2010	0.0845	0.1084	0.1187	0.1114	0.0478	0.0370	0.0016	0.0167	0.0030				
12/31/2011	0.0633	0.1117	0.1571	0.1115	0.0398	0.0216	0.0040	0.0077					
12/31/2012	0.0497	0.1546	0.1054	0.0669	0.0716	0.0264	-0.0241						
12/31/2013	0.0643	0.1105	0.1385	0.0778	0.0531	0.0156							
12/31/2014	0.0779	0.1481	0.0850	0.0562	0.0435								
12/31/2015	0.0633	0.1440	0.0871	0.0967									
12/31/2016	0.0604	0.0842	0.1574										
12/31/2017	0.0680	0.1213											
12/31/2018	0.0664												
Best 3/5	0.0659	0.1252	0.1103	0.0804	0.0482	0.0212	0.0053	0.0111	0.0046	0.0008	0.0067	0.0041	0.0032

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
12/31/2000	19,808,090	27,513,766	32,883,313	37,299,108	39,684,063	42,593,053	46,285,456	48,009,019	48,866,943	50,071,906	50,411,856
12/31/2001	21,909,043	29,846,817	35,674,447	39,122,304	42,350,495	43,668,645	44,640,677	46,870,818	48,222,285	48,773,581	48,723,579
12/31/2002	23,033,940	31,255,274	35,353,537	39,985,091	40,711,979	41,424,616	43,446,380	45,229,285	46,156,309	45,704,901	46,107,721
12/31/2003	25,487,822	30,662,205	34,739,291	35,202,326	37,681,916	38,642,405	39,153,559	40,204,403	41,417,933	41,608,388	42,045,451
12/31/2004	25,873,260	32,080,437	35,648,557	39,699,683	41,830,897	43,935,450	45,715,124	46,834,875	48,622,259	49,317,247	50,655,331
12/31/2005	23,266,575	28,632,713	32,897,088	37,194,255	39,587,655	42,114,786	44,790,066	46,138,460	47,734,613	47,935,832	48,888,175
12/31/2006	31,453,497	39,047,918	45,310,399	50,640,143	56,298,873	58,115,633	59,829,612	59,380,783	60,714,175	61,538,916	63,447,916
12/31/2007	35,488,486	43,496,756	51,811,667	54,642,563	57,281,096	59,379,407	60,415,648	62,482,631	64,206,571	66,232,367	68,877,782
12/31/2008	44,863,061	53,068,002	59,008,138	61,463,405	62,715,392	64,230,546	66,401,391	67,621,066	75,834,116	83,848,997	78,468,586
12/31/2009	48,977,514	57,599,573	63,950,614	65,234,551	67,009,019	67,782,276	68,930,461	72,177,338	77,321,257	77,654,957	78,355,281
12/31/2010	48,630,304	57,567,513	61,068,606	62,932,082	65,131,026	66,601,748	67,990,291	70,124,529	71,440,989	71,690,491	
12/31/2011	48,261,319	53,966,786	55,977,283	56,695,640	57,931,453	60,472,405	62,680,333	64,005,746	65,477,144		
12/31/2012	40,520,596	46,020,895	47,620,728	50,150,600	52,916,362	55,527,928	57,297,093	57,972,330			
12/31/2013	36,268,550	40,494,989	44,685,308	46,651,040	49,440,107	51,050,877	53,214,410				
12/31/2014	35,474,045	41,168,133	44,272,152	46,654,048	47,709,693	49,744,488					
12/31/2015	34,195,202	40,588,663	46,069,719	49,487,561	51,721,971						
12/31/2016	33,344,652	43,686,632	48,620,722	53,012,575							
12/31/2017	36,447,545	44,163,456	51,402,168								
12/31/2018	40,360,527	52,395,300									
12/31/2019	43,262,712										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/2000	50,983,064	50,877,387	50,875,280	50,896,044	50,779,404	50,649,705	50,696,219	50,698,060	50,779,702		
12/31/2001	49,063,320	48,862,203	48,991,403	49,207,145	49,173,606	49,312,215	49,599,108	49,486,190			
12/31/2002	46,428,305	46,555,551	46,595,499	46,617,180	47,123,358	47,241,895	47,526,230				
12/31/2003	42,206,157	42,636,206	43,049,349	43,598,187	43,919,538	43,985,393					
12/31/2004	51,477,166	52,060,887	52,106,245	52,475,978	52,635,147						
12/31/2005	49,311,344	49,759,332	50,202,672	51,166,654							
12/31/2006	64,613,733	65,474,176	66,056,306								
12/31/2007	69,476,183	69,908,943									
12/31/2008	76,672,413										

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
12/31/2000	1.389	1.195	1.134	1.064	1.073	1.087	1.037	1.018	1.025	1.007	1.011
12/31/2001	1.362	1.195	1.097	1.083	1.031	1.022	1.050	1.029	1.011	0.999	1.007
12/31/2002	1.357	1.131	1.131	1.018	1.018	1.049	1.041	1.020	0.990	1.009	1.007
12/31/2003	1.203	1.133	1.013	1.070	1.025	1.013	1.027	1.030	1.005	1.011	1.004
12/31/2004	1.240	1.111	1.114	1.054	1.050	1.041	1.024	1.038	1.014	1.027	1.016
12/31/2005	1.231	1.149	1.131	1.064	1.064	1.064	1.030	1.035	1.004	1.020	1.009
12/31/2006	1.241	1.160	1.118	1.112	1.032	1.029	0.992	1.022	1.014	1.031	1.018
12/31/2007	1.226	1.191	1.055	1.048	1.037	1.017	1.034	1.028	1.032	1.040	1.009
12/31/2008	1.183	1.112	1.042	1.020	1.024	1.034	1.018	1.121	1.106	0.936	0.977
12/31/2009	1.176	1.110	1.020	1.027	1.012	1.017	1.047	1.071	1.004	1.009	
12/31/2010	1.184	1.061	1.031	1.035	1.023	1.021	1.031	1.019	1.003		
12/31/2011	1.118	1.037	1.013	1.022	1.044	1.037	1.021	1.023			
12/31/2012	1.136	1.035	1.053	1.055	1.049	1.032	1.012				
12/31/2013	1.117	1.103	1.044	1.060	1.033	1.042					
12/31/2014	1.161	1.075	1.054	1.023	1.043						
12/31/2015	1.187	1.135	1.074	1.045							
12/31/2016	1.310	1.113	1.090								
12/31/2017	1.212	1.164									
12/31/2018	1.298										
3 Yr Mean	1.273	1.137	1.073	1.043	1.042	1.037	1.021	1.038	1.038	0.995	1.001
Best 3/5	1.232	1.117	1.060	1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/2000	0.998	1.000	1.000	0.998	0.997	1.001	1.000	1.002
12/31/2001	0.996	1.003	1.004	0.999	1.003	1.006	0.998	1.001 *
12/31/2002	1.003	1.001	1.000	1.011	1.003	1.006	1.003 *	1.001 *
12/31/2003	1.010	1.010	1.013	1.007	1.001	1.001 *	1.003 *	1.001 *
12/31/2004	1.011	1.001	1.007	1.003	1.001 *	1.001 *	1.003 *	1.001 *
12/31/2005	1.009	1.009	1.019					
12/31/2006	1.013	1.009						
12/31/2007	1.006							
3 Yr Mean	1.009	1.006	1.013	1.007	1.002 @	1.004 @	0.999 @	1.002 @
Best 3/5	1.010	1.006	1.008	1.003	1.002 *	1.003 *	1.002 *	1.001 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					1.040	1.030	1.023	1.041	1.017	1.020	1.011
12/31/2016				1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011
12/31/2017			1.060	1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011
12/31/2018		1.117	1.060	1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011
12/31/2019	1.232	1.117	1.060	1.041	1.040	1.030	1.023	1.041	1.017	1.020	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.240
12/31/2016	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.291
12/31/2017	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.368
12/31/2018	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.528
12/31/2019	1.010	1.006	1.008	1.003	1.002	1.003	1.002	1.001	1.001*	1.883

* 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
12/31/2000	3,110,566	4,932,427	6,831,157	9,015,250	11,306,631	14,086,885	16,171,641	17,956,827	18,777,973	21,050,584	22,803,202
12/31/2001	3,489,097	5,526,504	7,581,604	10,294,575	13,581,290	16,815,565	21,563,607	22,972,910	25,465,689	25,537,377	27,074,587
12/31/2002	3,869,547	5,266,889	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	4,151,510	6,018,111	7,594,180	8,333,617	9,667,188	10,268,702	11,268,578	11,961,965	12,636,940	13,486,959	13,405,243
12/31/2004	5,713,030	7,273,617	9,072,099	9,610,483	10,285,041	11,289,209	11,825,510	13,002,517	13,363,273	13,776,819	13,846,045
12/31/2005	6,296,515	8,701,064	9,375,398	9,986,408	11,286,387	11,720,149	12,109,484	12,779,633	13,388,177	13,202,366	13,523,890
12/31/2006	7,507,229	8,962,205	10,025,912	10,565,337	10,646,130	11,477,526	12,178,651	12,647,071	12,909,501	13,700,371	14,350,399
12/31/2007	9,298,561	11,418,052	11,859,475	12,270,316	12,694,397	13,189,571	14,291,579	14,986,763	15,640,150	16,888,743	16,946,572
12/31/2008	8,708,416	11,425,136	13,610,880	13,751,059	14,609,021	15,447,772	16,418,618	16,909,427	17,698,751	17,838,043	18,373,791
12/31/2009	7,936,132	10,248,930	11,588,943	12,368,204	13,351,311	14,588,864	15,599,355	16,034,889	16,601,788	17,153,056	17,504,711
12/31/2010	8,904,290	10,536,324	10,739,898	11,605,270	12,335,135	12,551,916	12,967,656	13,890,332	14,147,671	14,335,409	
12/31/2011	8,404,568	10,335,323	11,326,642	11,434,548	12,190,531	12,880,043	13,361,935	13,803,680	13,715,936		
12/31/2012	7,691,078	9,085,628	9,766,402	10,190,379	11,585,794	12,221,772	12,485,104	13,465,344			
12/31/2013	10,290,474	12,132,459	12,805,200	13,636,881	14,217,651	14,894,818	15,589,721				
12/31/2014	10,475,019	12,362,690	14,118,741	15,606,041	16,371,177	17,310,083					
12/31/2015	12,365,417	15,339,247	16,177,333	16,808,450	18,126,155						
12/31/2016	13,146,303	15,120,444	17,669,230	18,933,815							
12/31/2017	11,689,536	14,174,033	17,172,970								
12/31/2018	12,577,707	15,632,745									
12/31/2019	10,402,615										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/2000	23,375,460	23,574,956	23,492,890	23,465,678	23,241,199	23,070,654	23,120,927	23,116,453	22,993,951		
12/31/2001	27,235,245	27,313,533	26,934,975	26,843,100	26,661,193	26,724,440	26,656,890	26,638,890			
12/31/2002	19,691,678	19,493,471	19,197,635	18,967,507	19,046,399	19,042,195	19,077,196				
12/31/2003	13,251,727	13,452,297	13,105,805	13,057,111	13,002,105	13,002,105					
12/31/2004	13,771,549	13,916,033	13,945,610	13,934,004	13,865,077						
12/31/2005	14,022,392	14,226,708	14,405,340	14,438,221							
12/31/2006	14,448,083	14,568,609	14,847,984								
12/31/2007	17,093,783	17,323,806									
12/31/2008	18,571,376										

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
12/31/2000	1.586	1.385	1.320	1.254	1.246	1.148	1.110	1.046	1.121	1.083	1.025
12/31/2001	1.584	1.372	1.358	1.319	1.238	1.282	1.065	1.109	1.003	1.060	1.006
12/31/2002	1.361	1.450	1.238	1.176	1.233	1.121	1.122	1.130	0.996	0.999	1.016
12/31/2003	1.450	1.262	1.097	1.160	1.062	1.097	1.062	1.056	1.067	0.994	0.989
12/31/2004	1.273	1.247	1.059	1.070	1.098	1.048	1.100	1.028	1.031	1.005	0.995
12/31/2005	1.382	1.078	1.065	1.130	1.038	1.033	1.055	1.048	0.986	1.024	1.037
12/31/2006	1.194	1.119	1.054	1.008	1.078	1.061	1.038	1.021	1.061	1.047	1.007
12/31/2007	1.228	1.039	1.035	1.035	1.039	1.084	1.049	1.044	1.080	1.003	1.009
12/31/2008	1.312	1.191	1.010	1.062	1.057	1.063	1.030	1.047	1.008	1.030	1.011
12/31/2009	1.291	1.131	1.067	1.079	1.093	1.069	1.028	1.035	1.033	1.021	
12/31/2010	1.183	1.019	1.081	1.063	1.018	1.033	1.071	1.019	1.013		
12/31/2011	1.230	1.096	1.010	1.066	1.057	1.037	1.033	0.994			
12/31/2012	1.181	1.075	1.043	1.137	1.055	1.022	1.079				
12/31/2013	1.179	1.055	1.065	1.043	1.048	1.047					
12/31/2014	1.180	1.142	1.105	1.049	1.057						
12/31/2015	1.240	1.055	1.039	1.078							
12/31/2016	1.150	1.169	1.072								
12/31/2017	1.213	1.212									
12/31/2018	1.243										
3 Yr Mean	1.202	1.145	1.072	1.057	1.053	1.035	1.061	1.016	1.018	1.018	1.009
Best 3/5	1.211	1.122	1.060	1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/2000	1.009	0.997	0.999	0.990	0.993	1.002	1.000	0.995
12/31/2001	1.003	0.986	0.997	0.993	1.002	0.997	0.999	1.000 *
12/31/2002	0.990	0.985	0.988	1.004	1.000	1.002	1.000 *	1.000 *
12/31/2003	1.015	0.974	0.996	0.996	1.000	0.999 *	1.000 *	1.000 *
12/31/2004	1.010	1.002	0.999	0.995	0.995 *	0.999 *	1.000 *	1.000 *
12/31/2005	1.015	1.013	1.002					
12/31/2006	1.008	1.019						
12/31/2007	1.013							
3 Yr Mean	1.012	1.011	0.999	0.998	1.001 @	1.000 @	1.000 @	0.995 @
Best 3/5	1.013	1.000	0.997	0.995	0.998 *	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
12/31/2015					1.053	1.039	1.045	1.033	1.036	1.025	1.009
12/31/2016				1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009
12/31/2017			1.060	1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009
12/31/2018		1.122	1.060	1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009
12/31/2019	1.211	1.122	1.060	1.064	1.053	1.039	1.045	1.033	1.036	1.025	1.009

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.269
12/31/2016	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.350
12/31/2017	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.431
12/31/2018	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.606
12/31/2019	1.013	1.000	0.997	0.995	0.998	1.000	1.000	1.000	1.000*	1.945

* 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
12/31/2000	1,757,953	4,056,566	7,874,976	12,681,444	16,474,294	21,051,181	27,039,720	31,029,917	32,792,010	35,408,090	37,303,469
12/31/2001	3,224,507	6,541,943	12,453,523	18,086,151	23,307,618	28,895,037	34,992,799	39,042,880	42,273,519	44,282,682	45,352,211
12/31/2002	2,486,909	6,530,760	12,627,227	17,762,886	21,866,991	24,870,352	27,432,836	29,737,653	32,945,489	34,622,061	35,369,027
12/31/2003	3,439,439	6,588,087	12,290,831	16,576,239	20,881,963	24,801,289	26,886,488	29,392,224	31,401,041	33,323,038	34,883,378
12/31/2004	2,803,912	6,122,669	12,034,520	18,193,748	22,376,079	26,592,351	29,793,886	33,765,877	38,262,620	41,569,963	45,158,806
12/31/2005	2,015,444	6,342,051	11,665,463	17,215,003	22,179,840	27,844,627	31,210,751	35,393,310	39,900,046	43,547,370	45,385,271
12/31/2006	3,888,998	8,717,311	15,996,576	23,161,903	30,011,287	36,028,023	42,163,407	45,758,269	52,237,766	55,098,044	58,041,626
12/31/2007	4,454,730	9,060,203	17,105,276	23,482,644	29,502,366	35,740,087	40,289,846	45,207,161	49,352,018	53,063,540	55,992,141
12/31/2008	5,245,589	12,536,823	20,844,613	31,071,907	39,900,284	45,728,684	49,417,791	52,459,198	56,321,088	58,111,890	60,082,213
12/31/2009	7,474,944	15,526,182	26,943,689	38,649,250	47,416,250	53,417,224	57,828,371	63,074,607	65,405,140	68,313,092	70,848,513
12/31/2010	6,206,235	14,316,208	25,133,928	36,265,652	42,976,323	48,175,789	52,000,521	54,010,985	56,741,827	57,409,049	
12/31/2011	7,191,634	14,070,707	21,378,389	27,721,971	32,494,691	37,606,867	42,058,306	44,271,651	45,998,954		
12/31/2012	5,475,801	11,595,832	18,697,735	26,187,339	34,348,039	38,433,137	40,272,099	42,579,926			
12/31/2013	4,590,339	11,502,861	17,566,744	26,010,928	31,860,244	34,572,575	36,418,699				
12/31/2014	4,431,066	10,481,012	17,291,177	23,457,452	27,756,815	31,770,027					
12/31/2015	5,213,249	10,893,995	17,597,591	23,873,540	29,209,371						
12/31/2016	5,464,428	12,576,603	21,153,940	30,172,631							
12/31/2017	4,431,992	10,069,411	18,838,610								
12/31/2018	4,380,045	12,565,623									
12/31/2019	5,902,316										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	39,389,430	39,489,800	39,390,238	39,672,253	40,056,575	40,138,720	40,014,326	40,025,414	40,005,969
12/31/2001	46,147,996	46,443,267	46,681,409	47,123,268	47,669,996	47,827,488	48,129,260	47,916,430	
12/31/2002	36,653,784	38,072,564	38,605,281	39,537,816	40,278,553	40,662,107	40,600,969		
12/31/2003	36,576,165	37,156,629	38,080,469	38,829,954	39,023,468	39,666,698			
12/31/2004	48,924,920	51,232,690	52,123,847	52,402,139	52,552,558				
12/31/2005	46,415,092	47,638,460	48,023,070	48,870,610					
12/31/2006	59,460,174	60,774,158	60,991,955						
12/31/2007	57,450,448	58,391,227							
12/31/2008	61,820,765								

Link Ratios: 171 to Ultimate

A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/2000	1.007	1.010	1.002	0.997	1.000	1.000	1.000 *
12/31/2001	1.009	1.012	1.003	1.006	0.996	1.000 *	1.000 *
12/31/2002	1.024	1.019	1.010	0.998	1.001 *	1.000 *	1.000 *
12/31/2003	1.020	1.005	1.016	1.004 *	1.001 *	1.000 *	1.000 *
12/31/2004	1.005	1.003	1.005 *	1.004 *	1.001 *	1.000 *	1.000 *
12/31/2005	1.018						
Best 3/5	1.016	1.009	1.006 *	1.002 *	1.001 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.034

* Calculated Using Modified Bondy Method

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

A.Y.E	Increments												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/2000	2,298,613	3,818,410	4,806,468	3,792,850	4,576,887	5,988,539	3,990,197	1,762,093	2,616,080	1,895,379	2,085,961	100,370	-99,562
12/31/2001	3,317,436	5,911,580	5,632,628	5,221,467	5,587,419	6,097,762	4,050,081	3,230,639	2,009,163	1,069,529	795,785	295,271	238,142
12/31/2002	4,043,851	6,096,467	5,135,659	4,104,105	3,003,361	2,562,484	2,304,817	3,207,836	1,676,572	746,966	1,284,757	1,418,780	532,717
12/31/2003	3,148,648	5,702,744	4,285,408	4,305,724	3,919,326	2,085,199	2,505,736	2,008,817	1,921,997	1,560,340	1,692,787	580,464	923,840
12/31/2004	3,318,757	5,911,851	6,159,228	4,182,331	4,216,272	3,201,535	3,971,991	4,496,743	3,307,343	3,588,843	3,766,114	2,307,770	891,157
12/31/2005	4,326,607	5,323,412	5,549,540	4,964,837	5,664,787	3,366,124	4,182,559	4,506,736	3,647,324	1,837,901	1,029,821	1,223,368	384,610
12/31/2006	4,828,313	7,279,265	7,165,327	6,849,384	6,016,736	6,135,384	3,594,862	6,479,497	2,860,278	2,943,582	1,418,548	1,313,984	217,797
12/31/2007	4,605,473	8,045,073	6,377,368	6,019,722	6,237,721	4,549,759	4,917,315	4,144,857	3,711,522	2,928,601	1,458,307	940,779	
12/31/2008	7,291,234	8,307,790	10,227,294	8,828,377	5,828,400	3,689,107	3,041,407	3,861,890	1,790,802	1,970,323	1,738,552		
12/31/2009	8,051,238	11,417,507	11,705,561	8,767,000	6,000,974	4,411,147	5,246,236	2,330,533	2,907,952	2,535,421			
12/31/2010	8,109,973	10,817,720	11,131,724	6,710,671	5,199,466	3,824,732	2,010,464	2,730,842	667,222				
12/31/2011	6,879,073	7,307,682	6,343,582	4,772,720	5,112,176	4,451,439	2,213,345	1,727,303					
12/31/2012	6,120,031	7,101,903	7,489,604	8,160,700	4,085,098	1,838,962	2,307,827						
12/31/2013	6,912,522	6,063,883	8,444,184	5,849,316	2,712,331	1,846,124							
12/31/2014	6,049,946	6,810,165	6,166,275	4,299,363	4,013,212								
12/31/2015	5,680,746	6,703,596	6,275,949	5,335,831									
12/31/2016	7,112,175	8,577,337	9,018,691										
12/31/2017	5,637,419	8,769,199											
12/31/2018	8,185,578												

A.Y.E	Incremental Percentages												
	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/2000	0.0318	0.0528	0.0665	0.0524	0.0633	0.0828	0.0552	0.0244	0.0362	0.0262	0.0288	0.0014	-0.0014
12/31/2001	0.0467	0.0831	0.0792	0.0734	0.0786	0.0858	0.0570	0.0454	0.0283	0.0150	0.0112	0.0042	0.0033
12/31/2002	0.0586	0.0884	0.0745	0.0595	0.0435	0.0372	0.0334	0.0465	0.0243	0.0108	0.0186	0.0206	0.0077
12/31/2003	0.0510	0.0924	0.0695	0.0698	0.0635	0.0338	0.0406	0.0326	0.0312	0.0253	0.0274	0.0094	0.0150
12/31/2004	0.0424	0.0755	0.0787	0.0534	0.0539	0.0409	0.0508	0.0575	0.0423	0.0459	0.0481	0.0295	0.0114
12/31/2005	0.0604	0.0744	0.0775	0.0694	0.0791	0.0470	0.0584	0.0630	0.0510	0.0257	0.0144	0.0171	0.0054
12/31/2006	0.0502	0.0757	0.0745	0.0712	0.0626	0.0638	0.0374	0.0674	0.0298	0.0306	0.0148	0.0137	0.0023
12/31/2007	0.0462	0.0807	0.0640	0.0604	0.0626	0.0457	0.0493	0.0416	0.0372	0.0294	0.0146	0.0094	
12/31/2008	0.0655	0.0747	0.0919	0.0793	0.0524	0.0332	0.0273	0.0347	0.0161	0.0177	0.0156		
12/31/2009	0.0686	0.0973	0.0998	0.0747	0.0512	0.0376	0.0447	0.0199	0.0248	0.0216			
12/31/2010	0.0756	0.1008	0.1037	0.0625	0.0485	0.0356	0.0187	0.0254	0.0062				
12/31/2011	0.0700	0.0744	0.0645	0.0486	0.0520	0.0453	0.0225	0.0176					
12/31/2012	0.0677	0.0785	0.0828	0.0903	0.0452	0.0203	0.0255						
12/31/2013	0.0794	0.0696	0.0970	0.0672	0.0311	0.0212							
12/31/2014	0.0714	0.0803	0.0727	0.0507	0.0473								
12/31/2015	0.0592	0.0698	0.0654	0.0556									
12/31/2016	0.0741	0.0894	0.0940										
12/31/2017	0.0572	0.0890											
12/31/2018	0.0683												
Best 3/5	0.0663	0.0797	0.0832	0.0578	0.0470	0.0315	0.0251	0.0267	0.0235	0.0256	0.0150	0.0134	0.0082

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
12/31/2000	6,003,416	7,694,200	8,540,387	9,782,857	8,936,867	8,897,430	8,863,506	8,920,694	8,836,806	8,850,539	8,833,864
12/31/2001	6,260,753	7,848,737	9,034,285	9,404,968	9,288,761	9,587,373	9,634,966	9,522,079	9,567,040	9,533,919	9,582,339
12/31/2002	6,696,271	7,908,616	9,404,611	10,634,272	10,583,447	10,485,693	10,286,297	10,269,678	10,269,878	10,266,056	10,372,057
12/31/2003	4,782,122	6,687,613	9,196,607	9,807,545	10,308,788	10,219,039	10,002,339	9,896,156	9,909,334	9,994,371	9,875,435
12/31/2004	5,821,307	7,142,281	8,478,795	9,165,644	8,940,369	8,675,279	8,748,441	8,591,927	8,630,919	8,652,348	8,623,883
12/31/2005	6,275,659	6,705,396	8,319,484	8,467,644	8,356,855	8,298,491	8,286,624	8,325,497	8,218,377	8,197,246	8,197,097
12/31/2006	5,342,988	6,549,720	8,048,086	8,075,534	7,863,619	7,640,220	7,453,148	7,462,564	7,524,064	7,524,064	7,524,064
12/31/2007	5,244,230	6,049,992	7,468,913	7,396,881	7,612,806	7,498,295	7,345,838	7,123,450	7,013,841	7,028,838	7,028,838
12/31/2008	5,600,378	6,867,080	7,840,579	7,629,512	7,370,073	7,493,419	7,516,336	7,397,585	7,397,585	7,446,585	7,446,585
12/31/2009	6,388,755	7,181,784	8,749,415	8,868,186	8,773,672	8,765,522	8,693,925	8,717,681	8,721,240	8,721,240	8,716,679
12/31/2010	7,135,395	8,618,347	10,330,310	10,459,308	10,756,304	10,591,268	10,546,652	10,544,708	10,544,708	10,538,987	
12/31/2011	6,805,548	7,855,162	8,753,462	9,259,141	9,092,658	8,944,064	8,882,255	8,754,582	8,793,025		
12/31/2012	4,779,759	6,073,468	7,247,185	7,495,742	7,541,915	7,492,376	7,439,759	7,390,798			
12/31/2013	5,287,497	6,305,432	7,107,232	7,098,974	6,982,343	6,989,417	7,083,616				
12/31/2014	4,876,394	5,892,210	6,253,902	6,415,175	6,412,082	6,517,520					
12/31/2015	5,166,783	5,488,209	6,117,286	6,585,538	6,483,126						
12/31/2016	3,952,537	5,249,400	6,824,538	6,729,246							
12/31/2017	4,160,103	5,677,268	6,497,011								
12/31/2018	3,856,296	5,182,912									
12/31/2019	4,253,514										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/2000	8,930,364	8,856,009	8,892,304	8,928,804	8,918,552	8,898,802	9,023,802	8,993,802	9,043,802		
12/31/2001	9,588,098	9,587,098	9,628,998	9,586,098	9,566,463	9,542,223	9,649,223	9,645,363			
12/31/2002	10,345,119	10,358,118	10,365,648	10,485,647	10,385,648	10,390,649	10,387,523				
12/31/2003	9,864,435	9,854,436	9,854,435	9,864,435	9,857,240	9,857,240					
12/31/2004	8,626,382	8,624,739	8,624,739	8,624,739	8,624,739						
12/31/2005	8,204,521	8,196,054	8,198,054	8,198,425							
12/31/2006	7,524,064	7,524,064	7,524,503								
12/31/2007	7,028,838	7,029,276									
12/31/2008	7,447,024										

LOCAL PRODUCTS (Subline Code 336)

FULL COVERAGE

MULTISTATE

BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

A.Y.E.	Link Ratios										
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/2000	1.282	1.110	1.145	0.914	0.996	0.996	1.006	0.991	1.002	0.998	1.011
12/31/2001	1.254	1.151	1.041	0.988	1.032	1.005	0.988	1.005	0.997	1.005	1.001
12/31/2002	1.181	1.189	1.131	0.995	0.991	0.981	0.998	1.000	1.000	1.010	0.997
12/31/2003	1.398	1.375	1.066	1.051	0.991	0.979	0.989	1.001	1.009	0.988	0.999
12/31/2004	1.227	1.187	1.081	0.975	0.970	1.008	0.982	1.005	1.002	0.997	1.000
12/31/2005	1.068	1.241	1.018	0.987	0.993	0.999	1.005	0.987	0.997	1.000	1.001
12/31/2006	1.226	1.229	1.003	0.974	0.972	0.976	1.001	1.008	1.000	1.000	1.000
12/31/2007	1.154	1.235	0.990	1.029	0.985	0.980	0.970	0.985	1.002	1.000	1.000
12/31/2008	1.226	1.142	0.973	0.966	1.017	1.003	0.984	1.000	1.007	1.000	1.000
12/31/2009	1.124	1.218	1.014	0.989	0.999	0.992	1.003	1.000	1.000	0.999	
12/31/2010	1.208	1.199	1.012	1.028	0.985	0.996	1.000	1.000	0.999		
12/31/2011	1.154	1.114	1.058	0.982	0.984	0.993	0.986	1.004			
12/31/2012	1.271	1.193	1.034	1.006	0.993	0.993	0.993				
12/31/2013	1.193	1.127	0.999	0.984	1.001	1.013					
12/31/2014	1.208	1.061	1.026	1.000	1.016						
12/31/2015	1.062	1.115	1.077	0.984							
12/31/2016	1.328	1.300	0.986								
12/31/2017	1.365	1.144									
12/31/2018	1.344										
3 Yr Mean	1.346	1.186	1.030	0.989	1.003	1.000	0.993	1.001	1.002	1.000	1.000
Best 3/5	1.293	1.129	1.020	0.989	0.993	0.994	0.993	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			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.014	0.997	1.006			
12/31/2001	1.000	1.004	0.996	0.998	0.997	1.011	1.000	1.001 *			
12/31/2002	1.001	1.001	1.012	0.990	1.000	1.000	1.003 *	1.001 *			
12/31/2003	0.999	1.000	1.001	0.999	1.000	0.999 *	1.003 *	1.001 *			
12/31/2004	1.000	1.000	1.000	1.000	0.999 *	0.999 *	1.003 *	1.001 *			
12/31/2005	0.999	1.000	1.000								
12/31/2006	1.000	1.000									
12/31/2007	1.000										
3 Yr Mean	1.000	1.000	1.000	0.996	0.999 @	1.008 @	0.999 @	1.006 @			
Best 3/5	1.000	1.000	1.000	0.999	0.999 *	1.003 *	1.002 *	1.001 *			

A.Y.E.	Development From										
	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2015					0.993	0.994	0.993	1.000	1.001	1.000	1.000
12/31/2016				0.989	0.993	0.994	0.993	1.000	1.001	1.000	1.000
12/31/2017			1.020	0.989	0.993	0.994	0.993	1.000	1.001	1.000	1.000
12/31/2018		1.129	1.020	0.989	0.993	0.994	0.993	1.000	1.001	1.000	1.000
12/31/2019	1.293	1.129	1.020	0.989	0.993	0.994	0.993	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/Ult	FACTORS
12/31/2015	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	0.986
12/31/2016	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	0.975
12/31/2017	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	0.995
12/31/2018	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	1.123
12/31/2019	1.000	1.000	1.000	0.999	0.999	1.003	1.002	1.001	1.001*	1.452

* 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
12/31/2000	307,947	522,538	548,144	470,582	495,582	487,426	483,426	484,426	484,426	483,426	518,426
12/31/2001	278,108	352,647	423,736	497,128	463,128	463,128	453,128	453,128	453,128	466,532	466,532
12/31/2002	396,353	421,131	375,361	483,852	474,098	435,359	435,358	435,358	435,358	435,358	435,358
12/31/2003	117,923	247,091	212,216	266,930	184,537	118,752	117,252	92,151	92,151	92,151	92,151
12/31/2004	697,843	657,590	1,063,635	1,241,071	845,010	846,290	823,891	823,890	823,890	823,890	823,890
12/31/2005	643,891	761,839	1,111,308	1,006,815	901,847	985,264	985,263	985,313	985,313	985,942	985,942
12/31/2006	418,771	865,598	844,642	721,113	743,571	743,014	743,014	743,014	743,014	743,014	743,014
12/31/2007	356,809	468,326	750,395	792,104	741,935	732,035	732,035	763,035	763,035	763,035	757,035
12/31/2008	526,684	422,912	537,374	427,853	351,603	368,464	367,964	367,964	367,964	367,964	367,964
12/31/2009	282,839	293,410	307,353	245,369	437,719	438,719	438,619	438,619	438,619	438,619	438,619
12/31/2010	430,140	332,606	295,973	283,473	289,473	289,473	289,473	283,473	283,473	283,473	
12/31/2011	423,952	633,662	867,478	857,128	864,628	848,229	934,729	934,729	934,774		
12/31/2012	326,481	435,311	376,201	400,369	485,565	489,369	489,369	489,369			
12/31/2013	380,760	640,789	672,182	828,320	844,087	843,635	843,635				
12/31/2014	912,269	928,506	883,658	1,154,421	1,104,421	1,088,421					
12/31/2015	406,162	569,654	628,440	714,804	724,134						
12/31/2016	303,321	438,584	585,396	573,416							
12/31/2017	372,726	934,827	856,443								
12/31/2018	382,104	499,796									
12/31/2019	326,762										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/2000	501,526	502,027	568,361	557,345	563,467	562,509	558,508	539,171	539,271
12/31/2001	466,532	463,728	505,382	505,382	480,070	475,869	559,723	608,028	
12/31/2002	435,358	435,358	435,358	427,858	427,858	427,858	427,858		
12/31/2003	92,151	92,151	92,151	92,151	98,776	98,777			
12/31/2004	823,893	823,890	823,890	823,890	823,890				
12/31/2005	985,942	985,942	985,942	985,942					
12/31/2006	743,014	743,044	743,044						
12/31/2007	757,035	757,035							
12/31/2008	367,964								

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
12/31/2000	1.697	1.049	0.859	1.053	0.984	0.992	1.002	1.000	0.998	1.072	0.967
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	1.063	0.891	1.289	0.980	0.918	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	2.095	0.859	1.258	0.691	0.644	0.987	0.786	1.000	1.000	1.000	1.000
12/31/2004	0.942	1.617	1.167	0.681	1.002	0.974	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.183	1.459	0.906	0.896	1.092	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	2.067	0.976	0.854	1.031	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.313	1.602	1.056	0.937	0.987	1.000	1.042	1.000	1.000	0.992	1.000
12/31/2008	0.803	1.271	0.796	0.822	1.048	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2009	1.037	1.048	0.798	1.784	1.002	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2010	0.773	0.890	0.958	1.021	1.000	1.000	0.979	1.000	1.000		
12/31/2011	1.495	1.369	0.988	1.009	0.981	1.102	1.000	1.000			
12/31/2012	1.333	0.864	1.064	1.213	1.008	1.000	1.000				
12/31/2013	1.683	1.049	1.232	1.019	0.999	1.000					
12/31/2014	1.018	0.952	1.306	0.957	0.986						
12/31/2015	1.403	1.103	1.137	1.013							
12/31/2016	1.446	1.335	0.980								
12/31/2017	2.508	0.916									
12/31/2018	1.308										
3 Yr Mean	1.754	1.118	1.141	0.996	0.998	1.034	0.993	1.000	1.000	0.997	1.000
Best 3/5	1.386	1.035	1.144	1.014	0.995	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
12/31/2000	1.001	1.132	0.981	1.011	0.998	0.993	0.965	1.000
12/31/2001	0.994	1.090	1.000	0.950	0.991	1.176	1.086	0.999 *
12/31/2002	1.000	1.000	0.983	1.000	1.000	1.000	0.999 *	0.999 *
12/31/2003	1.000	1.000	1.000	1.072	1.000	0.999 *	0.999 *	0.999 *
12/31/2004	1.000	1.000	1.000	1.000	1.004 *	0.999 *	0.999 *	0.999 *
12/31/2005	1.000	1.000	1.000					
12/31/2006	1.000	1.000						
12/31/2007	1.000							
3 Yr Mean	1.000	1.000	1.000	1.024	0.997 @	1.056 @	1.026 @	1.000 @
Best 3/5	1.000	1.000	1.000	1.004	0.999 *	0.999 *	0.999 *	0.999 *

A.Y.E.	15/ 27	27/ 39	39/ 51	Development From				99/111	111/123	123/135	135/147
				51/ 63	63/ 75	75/ 87	87/ 99				
12/31/2015					0.995	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016				1.014	0.995	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017			1.144	1.014	0.995	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018		1.035	1.144	1.014	0.995	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2019	1.386	1.035	1.144	1.014	0.995	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
12/31/2015	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	0.991
12/31/2016	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	1.005
12/31/2017	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	1.150
12/31/2018	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	1.190
12/31/2019	1.000	1.000	1.000	1.004	0.999	0.999	0.999	0.999	0.996*	1.649

* 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>
12/31/2000	1,131,849	1,400,201	2,240,526	3,231,862	3,863,672	4,206,592	4,344,330	4,289,178	4,329,825	4,348,017	4,373,688
12/31/2001	942,209	2,072,218	3,377,804	4,189,273	5,283,324	5,781,399	6,685,071	6,936,612	7,190,058	7,026,753	7,182,918
12/31/2002	1,608,961	2,432,521	3,826,509	4,547,256	5,574,678	5,886,447	5,988,246	6,127,049	6,189,230	6,192,745	6,290,891
12/31/2003	762,796	1,485,120	2,395,478	3,176,526	3,894,564	4,266,721	4,444,875	4,422,992	4,432,240	4,467,487	4,541,454
12/31/2004	675,101	1,384,608	2,393,263	3,058,319	3,592,868	3,799,839	3,942,544	4,084,637	4,082,579	4,081,794	4,082,539
12/31/2005	531,171	1,207,709	2,207,865	2,754,662	3,907,775	3,209,845	3,325,677	3,335,600	3,331,829	3,312,642	3,312,672
12/31/2006	688,622	1,624,474	2,788,646	4,041,666	4,805,739	5,148,267	5,256,508	5,213,624	5,246,934	5,242,255	5,242,255
12/31/2007	687,392	1,431,301	2,654,801	3,204,983	3,946,498	4,202,656	4,425,833	4,264,886	4,303,146	4,299,025	4,301,161
12/31/2008	539,707	1,264,615	2,784,426	3,416,738	3,605,399	3,718,771	3,791,843	3,824,797	3,839,071	3,843,111	3,843,111
12/31/2009	588,473	1,479,393	3,271,524	3,300,016	3,922,061	3,904,084	3,920,311	3,933,927	3,932,082	3,942,412	3,942,273
12/31/2010	916,636	1,867,954	3,291,235	4,656,602	5,803,233	5,914,912	5,849,439	5,856,848	5,881,357	5,890,090	
12/31/2011	713,045	1,329,507	2,597,391	3,791,622	4,405,785	4,750,481	4,901,344	4,913,420	4,943,471		
12/31/2012	566,672	1,513,920	3,412,598	4,352,187	4,872,256	5,310,106	5,433,542	5,478,119			
12/31/2013	938,076	2,038,501	3,313,819	4,364,451	4,996,963	5,421,240	5,643,573				
12/31/2014	745,739	1,428,827	2,250,456	2,706,437	2,944,564	3,077,168					
12/31/2015	509,012	1,013,310	1,752,123	2,508,921	2,774,959						
12/31/2016	461,711	1,149,082	2,131,459	2,562,723							
12/31/2017	529,548	1,498,409	2,557,150								
12/31/2018	642,024	967,793									
12/31/2019	500,959										

<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>
12/31/2000	4,772,993	4,537,852	4,607,969	4,660,708	4,722,899	4,746,152	4,789,530	4,833,712	4,952,630
12/31/2001	7,288,052	7,456,862	7,567,089	7,710,108	7,894,019	8,031,200	8,090,273	8,129,172	
12/31/2002	6,343,584	6,407,343	6,413,166	6,678,224	6,449,696	6,462,197	6,465,587		
12/31/2003	4,521,744	4,521,744	4,519,637	4,569,637	4,561,874	4,558,204			
12/31/2004	4,079,739	4,102,406	4,099,285	4,099,613	4,099,613				
12/31/2005	3,312,672	3,343,119	3,366,180	3,366,568					
12/31/2006	5,242,255	5,242,395	5,242,833						
12/31/2007	4,300,228	4,304,983							
12/31/2008	3,843,472								

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

A.Y.E	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/2000	268,352	840,325	991,336	631,810	342,920	137,738	-55,152	40,647	18,192	25,671	399,305	-235,141	70,117
12/31/2001	1,130,009	1,305,586	811,469	1,094,051	498,075	903,672	251,541	253,446	-163,305	156,165	105,134	168,810	110,227
12/31/2002	823,560	1,393,988	720,747	1,027,422	311,769	101,799	138,803	62,181	3,515	98,146	52,693	63,759	5,823
12/31/2003	722,324	910,358	781,048	718,038	372,157	178,154	-21,883	9,248	35,247	73,967	-19,710	0	-2,107
12/31/2004	709,507	1,008,655	665,056	534,549	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	-3,121
12/31/2005	676,538	1,000,156	546,797	1,153,113	-697,930	115,832	9,923	-3,771	-19,187	30	0	30,447	23,061
12/31/2006	935,852	1,164,172	1,253,020	764,073	342,528	108,241	-42,884	33,310	-4,679	0	0	140	438
12/31/2007	743,909	1,223,500	550,182	741,515	256,158	223,177	-160,947	38,260	-4,121	2,136	-933	4,755	
12/31/2008	724,908	1,519,811	632,312	188,661	113,372	73,072	32,954	14,274	4,040	0	361		
12/31/2009	890,920	1,792,131	28,492	622,045	-17,977	16,227	13,616	-1,845	10,330	-139			
12/31/2010	951,318	1,423,281	1,365,367	1,146,631	111,679	-65,473	7,409	24,509	8,733				
12/31/2011	616,462	1,267,884	1,194,231	614,163	344,696	150,863	12,076	30,051					
12/31/2012	947,248	1,898,678	939,589	520,069	437,850	123,436	44,577						
12/31/2013	1,100,425	1,275,318	1,050,632	632,512	424,277	222,333							
12/31/2014	683,088	821,629	455,981	238,127	132,604								
12/31/2015	504,298	738,813	756,798	266,038									
12/31/2016	687,371	982,377	431,264										
12/31/2017	968,861	1,058,741											
12/31/2018	325,769												

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
12/31/2000	0.0204	0.0638	0.0753	0.0480	0.0260	0.0105	-0.0042	0.0031	0.0014	0.0019	0.0303	-0.0179	0.0053
12/31/2001	0.0829	0.0958	0.0596	0.0803	0.0366	0.0663	0.0185	0.0186	-0.0120	0.0115	0.0077	0.0124	0.0081
12/31/2002	0.0491	0.0832	0.0430	0.0613	0.0186	0.0061	0.0083	0.0037	0.0002	0.0059	0.0031	0.0038	0.0003
12/31/2003	0.0437	0.0551	0.0473	0.0435	0.0225	0.0108	-0.0013	0.0006	0.0021	0.0045	-0.0012	0.0000	-0.0001
12/31/2004	0.0586	0.0834	0.0550	0.0442	0.0171	0.0118	0.0117	-0.0002	-0.0001	0.0001	-0.0002	0.0019	-0.0003
12/31/2005	0.0523	0.0774	0.0423	0.0892	-0.0540	0.0090	0.0008	-0.0003	-0.0015	0.0000	0.0000	0.0024	0.0018
12/31/2006	0.0765	0.0951	0.1024	0.0624	0.0280	0.0088	-0.0035	0.0027	-0.0004	0.0000	0.0000	0.0000	0.0000
12/31/2007	0.0577	0.0950	0.0427	0.0575	0.0199	0.0173	-0.0125	0.0030	-0.0003	0.0002	-0.0001	0.0004	
12/31/2008	0.0579	0.1215	0.0505	0.0151	0.0091	0.0058	0.0026	0.0011	0.0003	0.0000	0.0000		
12/31/2009	0.0692	0.1391	0.0022	0.0483	-0.0014	0.0013	0.0011	-0.0001	0.0008	0.0000			
12/31/2010	0.0627	0.0938	0.0900	0.0755	0.0074	-0.0043	0.0005	0.0016	0.0006				
12/31/2011	0.0432	0.0888	0.0837	0.0430	0.0242	0.0106	0.0008	0.0021					
12/31/2012	0.0792	0.1587	0.0785	0.0435	0.0366	0.0103	0.0037						
12/31/2013	0.1006	0.1166	0.0960	0.0578	0.0388	0.0203							
12/31/2014	0.0670	0.0805	0.0447	0.0233	0.0130								
12/31/2015	0.0449	0.0657	0.0673	0.0237									
12/31/2016	0.0595	0.0850	0.0373										
12/31/2017	0.0734	0.0802											
12/31/2018	0.0367												
Best 3/5	0.0571	0.0819	0.0635	0.0367	0.0246	0.0074	0.0015	0.0016	0.0002	0.0000	0.0000	0.0008	0.0001

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

A.Y.E.	Link Ratios						
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/2000	1.011	1.013	1.005	1.009	1.009	1.025	1.017 *
12/31/2001	1.019	1.024	1.017	1.007	1.005	1.004 *	1.017 *
12/31/2002	1.041	0.966	1.002	1.001	1.004 *	1.004 *	1.017 *
12/31/2003	1.011	0.998	0.999	1.002 *	1.004 *	1.004 *	1.017 *
12/31/2004	1.000	1.000	1.002 *	1.002 *	1.004 *	1.004 *	1.017 *
12/31/2005	1.000						
Best 3/5	1.010	1.004	1.003 *	1.004 *	1.004 *	1.004 *	1.017 *

171 to Ultimate Factor: 1.047

Months-to-Ultimate	Cumulative Incremental Factors						
	15	27	39	51	63	75	87
	0.275	0.218	0.136	0.073	0.036	0.012	0.004
Months-to-Ultimate	99	111	123	135	147	159	171
	0.003	0.001	0.001	0.001	0.001	0.000	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	2,565,024	14,768,601	0.136	2,008,528	4,573,552	1.047	4,788,333
12/31/2018	857,564	9,678,652	0.218	2,109,942	2,967,506	1.047	3,106,811
12/31/2019	405,819	11,343,408	0.275	3,119,435	3,525,254	1.047	3,690,795

* Calculated Using Modified Bondy Method

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/2000	1,979,021	2,123,855	2,322,833	2,383,466	2,572,429	2,821,102	2,678,515	2,698,991	2,861,667	2,940,850	2,948,766
12/31/2001	1,690,800	1,710,622	1,883,656	1,836,606	1,823,685	1,875,719	2,042,494	2,215,070	2,222,796	2,275,452	2,283,598
12/31/2002	1,545,331	1,723,512	1,881,726	1,891,368	1,831,432	1,858,706	1,917,454	1,932,893	1,983,512	1,993,634	2,058,019
12/31/2003	1,302,387	1,900,765	2,164,538	2,174,006	2,458,659	2,459,501	2,496,685	2,510,751	2,515,897	2,556,537	2,567,340
12/31/2004	2,177,590	2,421,117	2,474,092	2,423,379	2,488,686	2,475,264	2,423,782	2,452,374	2,473,223	2,481,706	2,476,673
12/31/2005	2,847,520	3,092,426	3,300,985	3,391,854	3,447,498	3,329,310	3,342,666	3,389,154	3,398,524	3,392,234	3,392,512
12/31/2006	2,980,032	3,461,870	3,553,852	3,582,681	3,602,431	3,751,135	3,759,890	3,940,598	3,988,027	4,044,823	4,057,897
12/31/2007	2,813,559	2,673,331	2,702,793	3,032,508	3,308,427	3,277,730	3,460,175	3,437,776	3,430,036	3,403,247	3,411,959
12/31/2008	3,535,871	3,789,446	3,933,771	4,140,245	4,242,434	4,489,983	4,745,939	5,100,677	5,342,819	5,397,764	5,364,809
12/31/2009	3,522,652	3,732,008	3,749,930	3,778,743	3,762,216	3,988,693	3,998,527	4,143,899	4,209,149	4,238,790	4,272,576
12/31/2010	4,462,580	4,629,741	4,894,520	4,871,295	4,474,935	4,712,497	4,713,698	4,648,658	4,667,677	4,698,535	
12/31/2011	4,166,621	4,394,898	4,708,627	4,648,869	4,756,256	4,911,173	4,868,274	4,944,991	4,954,409		
12/31/2012	3,868,631	3,908,423	3,783,764	3,703,091	3,860,455	3,877,687	3,929,302	3,999,632			
12/31/2013	3,494,925	3,510,765	4,060,124	3,926,765	3,952,753	4,032,393	4,049,481				
12/31/2014	3,304,373	3,614,937	3,535,120	3,733,461	3,702,850	3,766,844					
12/31/2015	4,489,757	4,677,943	5,397,218	5,412,900	5,364,801						
12/31/2016	4,321,088	4,390,223	4,762,762	4,919,363							
12/31/2017	4,192,201	4,304,532	4,527,340								
12/31/2018	4,843,943	4,635,133									
12/31/2019	4,933,819										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/2000	2,955,411	2,948,659	2,952,158	2,945,156	2,945,155	2,943,155	2,943,155	2,943,155	2,943,155		
12/31/2001	2,270,987	2,228,316	2,233,810	2,234,989	2,246,996	2,246,996	2,246,995	2,246,995	2,246,995		
12/31/2002	2,039,915	2,105,557	2,112,432	2,121,032	2,138,325	2,137,075	2,137,075				
12/31/2003	2,607,397	2,589,683	2,575,933	2,598,428	2,598,428	2,592,678					
12/31/2004	2,451,895	2,458,673	2,571,165	2,556,165	2,659,665						
12/31/2005	3,386,412	3,372,171	3,372,171	3,472,949							
12/31/2006	4,110,417	4,070,273	4,152,578								
12/31/2007	3,413,961	3,426,461									
12/31/2008	5,413,336										

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
12/31/2000	1.073	1.094	1.026	1.079	1.097	0.949	1.008	1.060	1.028	1.003	1.002
12/31/2001	1.012	1.101	0.975	0.993	1.029	1.089	1.084	1.003	1.024	1.004	0.994
12/31/2002	1.115	1.092	1.005	0.968	1.015	1.032	1.008	1.026	1.005	1.032	0.991
12/31/2003	1.459	1.139	1.004	1.131	1.000	1.015	1.006	1.002	1.016	1.004	1.016
12/31/2004	1.112	1.022	0.980	1.027	0.995	0.979	1.012	1.009	1.003	0.998	0.990
12/31/2005	1.086	1.067	1.028	1.016	0.966	1.004	1.014	1.003	0.998	1.000	0.998
12/31/2006	1.162	1.027	1.008	1.006	1.041	1.002	1.048	1.012	1.014	1.003	1.013
12/31/2007	0.950	1.011	1.122	1.091	0.991	1.056	0.994	0.998	0.992	1.003	1.001
12/31/2008	1.072	1.038	1.052	1.025	1.058	1.057	1.075	1.047	1.010	0.994	1.009
12/31/2009	1.059	1.005	1.008	0.996	1.060	1.002	1.036	1.016	1.007	1.008	
12/31/2010	1.037	1.057	0.995	0.919	1.053	1.000	0.986	1.004	1.007		
12/31/2011	1.055	1.071	0.987	1.023	1.033	0.991	1.016	1.002			
12/31/2012	1.010	0.968	0.979	1.042	1.004	1.013	1.018				
12/31/2013	1.005	1.156	0.967	1.007	1.020	1.004					
12/31/2014	1.094	0.978	1.056	0.992	1.017						
12/31/2015	1.042	1.154	1.003	0.991							
12/31/2016	1.016	1.085	1.033								
12/31/2017	1.027	1.052									
12/31/2018	0.957										
3 Yr Mean	1.000	1.097	1.031	0.997	1.014	1.003	1.007	1.007	1.008	1.002	1.008
Best 3/5	1.028	1.097	1.005	1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000	1.000	1.000			
12/31/2001	0.981	1.002	1.001	1.005	1.000	1.000	1.000	1.000 *			
12/31/2002	1.032	1.003	1.004	1.008	0.999	1.000	1.000 *	1.000 *			
12/31/2003	0.993	0.995	1.009	1.000	0.998	0.999 *	1.000 *	1.000 *			
12/31/2004	1.003	1.046	0.994	1.040	1.003 *	0.999 *	1.000 *	1.000 *			
12/31/2005	0.996	1.000	1.030								
12/31/2006	0.990	1.020									
12/31/2007	1.004										
3 Yr Mean	0.997	1.022	1.011	1.016	0.999 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.997	1.008	1.005	1.004	0.999 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	Development From				99/111	111/123	123/135	135/147
				51/ 63	63/ 75	75/ 87	87/ 99				
12/31/2015					1.023	1.002	1.023	1.007	1.008	1.002	1.003
12/31/2016				1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003
12/31/2017			1.005	1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003
12/31/2018		1.097	1.005	1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003
12/31/2019	1.028	1.097	1.005	1.007	1.023	1.002	1.023	1.007	1.008	1.002	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.084
12/31/2016	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.091
12/31/2017	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.097
12/31/2018	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.203
12/31/2019	0.997	1.008	1.005	1.004	0.999	1.000	1.000	1.000	1.000*	1.237

* 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
12/31/2000	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	211,162	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	286,617	257,949	283,776	398,386	518,958	600,492	644,606	716,722	797,706	987,310	1,083,780
12/31/2004	267,359	144,698	230,232	354,867	441,630	632,353	616,235	904,464	1,008,422	1,087,637	1,296,374
12/31/2005	171,817	242,035	293,014	372,892	413,788	517,693	577,501	578,079	622,969	1,071,187	1,185,448
12/31/2006	278,671	268,222	382,330	527,781	647,562	746,113	720,042	744,136	932,230	1,066,447	970,261
12/31/2007	336,059	547,823	574,771	515,905	485,339	476,360	480,227	577,227	574,377	571,155	571,155
12/31/2008	294,367	208,042	336,788	335,305	346,805	344,805	444,805	444,805	438,306	458,306	528,306
12/31/2009	177,301	176,935	144,535	143,435	143,535	250,348	250,248	350,248	350,248	350,248	350,248
12/31/2010	263,109	264,778	262,233	266,329	360,329	360,329	360,329	360,329	360,329	360,329	360,329
12/31/2011	279,719	308,640	282,139	296,139	274,228	284,228	276,228	276,228	286,228		
12/31/2012	221,924	228,813	235,978	243,875	230,235	255,235	260,249	263,284			
12/31/2013	362,731	391,760	385,395	549,395	552,495	602,495	607,496				
12/31/2014	279,766	411,762	396,630	500,830	475,830	516,830					
12/31/2015	637,381	580,572	568,948	590,847	591,559						
12/31/2016	880,019	1,015,214	1,046,297	1,102,137							
12/31/2017	788,978	981,935	1,073,604								
12/31/2018	1,165,353	1,481,841									
12/31/2019	1,133,158										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/2000	215,285	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	365,726	365,726		
12/31/2002	566,252	561,006	561,362	567,567	567,567	580,067	580,067				
12/31/2003	1,277,599	1,297,971	1,219,581	1,168,724	1,170,415	1,162,641					
12/31/2004	1,288,735	1,183,053	1,176,984	1,176,939	1,169,117						
12/31/2005	1,174,440	1,184,550	1,153,446	1,143,652							
12/31/2006	943,991	917,548	912,644								
12/31/2007	571,155	571,155									
12/31/2008	528,306										

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
12/31/2000	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	1.140	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	0.900	1.100	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	0.963	1.425	1.380	1.227	1.152	0.965	1.033	1.253	1.144	0.910	0.973
12/31/2007	1.630	1.049	0.898	0.941	0.981	1.008	1.202	0.995	0.994	1.000	1.000
12/31/2008	0.707	1.619	0.996	1.034	0.994	1.290	1.000	0.985	1.046	1.153	1.000
12/31/2009	0.998	0.817	0.992	1.001	1.744	1.000	1.400	1.000	1.000	1.000	
12/31/2010	1.006	0.990	1.016	1.353	1.000	1.000	1.000	1.000	1.000		
12/31/2011	1.103	0.914	1.050	0.926	1.036	0.972	1.000	1.036			
12/31/2012	1.031	1.031	1.033	0.944	1.109	1.020	1.012				
12/31/2013	1.080	0.984	1.426	1.006	1.090	1.008					
12/31/2014	1.472	0.963	1.263	0.950	1.086						
12/31/2015	0.911	0.980	1.038	1.001							
12/31/2016	1.154	1.031	1.053								
12/31/2017	1.245	1.093									
12/31/2018	1.272										
3 Yr Mean	1.224	1.035	1.118	0.986	1.095	1.000	1.004	1.012	1.015	1.051	0.991
Best 3/5	1.224	0.998	1.118	0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
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	0.993	1.000 *	1.000 *	1.000 *			
12/31/2004	0.918	0.995	1.000	0.993	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2005	1.009	0.974	0.992								
12/31/2006	0.972	0.995									
12/31/2007	1.000										
3 Yr Mean	0.994	0.988	0.983	0.998	1.005 @	1.000 @	1.000 @	1.000 @			
Best 3/5	0.994	0.988	0.997	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	Development From				99/111	111/123	123/135	135/147
				51/ 63	63/ 75	75/ 87	87/ 99				
12/31/2015					1.071	1.003	1.004	0.998	1.015	1.036	0.995
12/31/2016				0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995
12/31/2017			1.118	0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995
12/31/2018		0.998	1.118	0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995
12/31/2019	1.224	0.998	1.118	0.965	1.071	1.003	1.004	0.998	1.015	1.036	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2015	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.103
12/31/2016	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.064
12/31/2017	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.190
12/31/2018	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.187
12/31/2019	0.994	0.988	0.997	1.000	1.000	1.000	1.000	1.000	1.000*	1.453

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

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

Allocated Expenses as of:

A.Y.E	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/2000	279,819	388,097	589,602	775,365	998,351	1,254,217	1,654,752	1,851,255	2,011,274	2,310,716	2,481,210
12/31/2001	215,738	308,467	469,736	656,361	784,297	999,648	1,421,275	1,738,245	1,688,394	1,891,637	2,007,556
12/31/2002	181,573	332,739	512,689	795,275	854,493	953,878	1,032,434	1,057,225	1,057,229	1,254,568	1,444,891
12/31/2003	62,113	673,928	986,248	1,145,258	1,296,947	1,333,752	1,347,383	1,434,604	1,508,049	1,609,966	1,692,096
12/31/2004	167,304	314,888	482,539	677,641	801,286	925,051	944,998	966,412	997,834	1,006,015	1,031,018
12/31/2005	253,321	338,561	632,476	815,815	858,852	947,382	1,012,347	1,136,055	1,130,570	1,129,880	1,134,189
12/31/2006	141,892	367,185	646,668	951,651	1,241,182	1,587,941	1,669,712	1,979,757	2,027,633	2,117,573	2,116,057
12/31/2007	384,981	804,028	1,008,197	1,416,643	1,748,959	2,186,000	2,163,109	2,360,866	2,430,818	2,410,215	2,283,450
12/31/2008	375,947	895,734	1,301,046	2,069,175	2,925,796	5,153,566	7,655,073	9,078,856	9,064,144	8,468,156	7,970,187
12/31/2009	646,459	1,131,470	1,266,206	1,298,184	1,456,041	1,527,172	1,837,989	2,019,982	2,044,709	2,056,186	2,087,463
12/31/2010	231,962	417,432	737,016	1,095,412	1,201,636	1,364,842	1,570,725	1,721,918	1,747,732	2,030,546	
12/31/2011	404,096	751,172	1,137,129	1,524,581	1,843,722	1,855,420	1,883,030	2,003,171	2,114,053		
12/31/2012	246,334	535,995	894,454	1,020,247	1,208,393	1,387,308	1,498,678	1,596,132			
12/31/2013	411,087	533,996	762,343	979,746	1,202,895	1,395,737	1,552,572				
12/31/2014	203,408	512,565	749,356	964,341	1,201,024	1,228,459					
12/31/2015	425,779	856,185	1,211,097	1,487,209	1,652,390						
12/31/2016	316,772	603,887	931,724	1,493,968							
12/31/2017	440,786	715,435	1,843,413								
12/31/2018	446,169	796,849									
12/31/2019	326,323										

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>
12/31/2000	2,630,585	2,743,286	2,808,796	2,755,606	2,780,142	2,805,142	2,799,607	2,799,803	2,812,303
12/31/2001	2,119,139	2,206,331	2,234,201	2,323,812	2,550,301	2,550,301	2,550,301	2,556,551	
12/31/2002	1,536,782	1,809,404	1,968,246	1,999,233	1,998,958	1,998,958	2,011,458		
12/31/2003	1,752,376	1,771,643	1,794,925	1,838,866	1,838,866	1,830,238			
12/31/2004	1,026,037	1,032,979	1,062,707	1,062,707	1,227,041				
12/31/2005	1,311,190	1,187,022	1,198,614	1,712,913					
12/31/2006	2,279,826	2,320,650	2,419,882						
12/31/2007	2,284,334	2,250,445							
12/31/2008	7,336,754								

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>
12/31/2000	108,278	201,505	185,763	222,986	255,866	400,535	196,503	160,019	299,442	170,494	149,375	112,701	65,510
12/31/2001	92,729	161,269	186,625	127,936	215,351	421,627	316,970	-49,851	203,243	115,919	111,583	87,192	27,870
12/31/2002	151,166	179,950	282,586	59,218	99,385	78,556	24,791	4	197,339	190,323	91,891	272,622	158,842
12/31/2003	611,815	312,320	159,010	151,689	36,805	13,631	87,221	73,445	101,917	82,130	60,280	19,267	23,282
12/31/2004	147,584	167,651	195,102	123,645	123,765	19,947	21,414	31,422	8,181	25,003	-4,981	6,942	29,728
12/31/2005	85,240	293,915	183,339	43,037	88,530	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	11,592
12/31/2006	225,293	279,483	304,983	289,531	346,759	81,771	310,045	47,876	89,940	-1,516	163,769	40,824	99,232
12/31/2007	419,047	204,169	408,446	332,316	437,041	-22,891	197,757	69,952	-20,603	-126,765	884	-33,889	
12/31/2008	519,787	405,312	768,129	856,621	2,227,770	2,501,507	1,423,783	-14,712	-595,988	-497,969	-633,433		
12/31/2009	485,011	134,736	31,978	157,857	71,131	310,817	181,993	24,727	11,477	31,277			
12/31/2010	185,470	319,584	358,396	106,224	163,206	205,883	151,193	25,814	282,814				
12/31/2011	347,076	385,957	387,452	319,141	11,698	27,610	120,141	110,882					
12/31/2012	289,661	358,459	125,793	188,146	178,915	111,370	97,454						
12/31/2013	122,909	228,347	217,403	223,149	192,842	156,835							
12/31/2014	309,157	236,791	214,985	236,683	27,435								
12/31/2015	430,406	354,912	276,112	165,181									
12/31/2016	287,115	327,837	562,244										
12/31/2017	274,649	1,127,978											
12/31/2018	350,680												

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>
12/31/2000	0.0313	0.0582	0.0537	0.0645	0.0740	0.1158	0.0568	0.0463	0.0866	0.0493	0.0432	0.0326	0.0189
12/31/2001	0.0303	0.0526	0.0609	0.0417	0.0703	0.1375	0.1034	-0.0163	0.0663	0.0378	0.0364	0.0284	0.0091
12/31/2002	0.0707	0.0842	0.1322	0.0277	0.0465	0.0368	0.0116	0.0000	0.0923	0.0891	0.0430	0.1276	0.0743
12/31/2003	0.2234	0.1140	0.0581	0.0554	0.0134	0.0050	0.0318	0.0268	0.0372	0.0300	0.0220	0.0070	0.0085
12/31/2004	0.0483	0.0549	0.0639	0.0405	0.0405	0.0065	0.0070	0.0103	0.0027	0.0082	-0.0016	0.0023	0.0097
12/31/2005	0.0211	0.0727	0.0453	0.0106	0.0219	0.0161	0.0306	-0.0014	-0.0002	0.0011	0.0438	-0.0307	0.0029
12/31/2006	0.0454	0.0564	0.0615	0.0584	0.0699	0.0165	0.0625	0.0097	0.0181	-0.0003	0.0330	0.0082	0.0200
12/31/2007	0.0884	0.0431	0.0862	0.0701	0.0922	-0.0048	0.0417	0.0148	-0.0043	-0.0267	0.0002	-0.0071	
12/31/2008	0.0854	0.0666	0.1262	0.1407	0.3660	0.4110	0.2339	-0.0024	-0.0979	-0.0818	-0.1041		
12/31/2009	0.1063	0.0295	0.0070	0.0346	0.0156	0.0681	0.0399	0.0054	0.0025	0.0069			
12/31/2010	0.0348	0.0599	0.0672	0.0199	0.0306	0.0386	0.0284	0.0048	0.0530				
12/31/2011	0.0584	0.0650	0.0652	0.0537	0.0020	0.0046	0.0202	0.0187					
12/31/2012	0.0628	0.0777	0.0273	0.0408	0.0388	0.0242	0.0211						
12/31/2013	0.0255	0.0473	0.0451	0.0463	0.0400	0.0325							
12/31/2014	0.0565	0.0433	0.0393	0.0433	0.0050								
12/31/2015	0.0547	0.0451	0.0351	0.0210									
12/31/2016	0.0481	0.0550	0.0943										
12/31/2017	0.0415	0.1706											
12/31/2018	0.0545												
Best 3/5	0.0525	0.0491	0.0398	0.0435	0.0248	0.0318	0.0298	0.0083	0.0054	-0.0087	0.0105	0.0007	0.0127

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

A.Y.E.	Link Ratios						
	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/2000	0.981	1.009	1.009	0.998	1.000	1.004	1.000 *
12/31/2001	1.040	1.097	1.000	1.000	1.002	1.000 *	1.000 *
12/31/2002	1.016	1.000	1.000	1.006	1.000 *	1.000 *	1.000 *
12/31/2003	1.024	1.000	0.995	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.000	1.155	1.035 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2005	1.429						
Best 3/5	1.027	1.035	1.003 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.066

Months-to-Ultimate	Cumulative Incremental Factors						
	15	27	39	51	63	75	87
	0.300	0.248	0.199	0.159	0.115	0.091	0.059
Months-to-Ultimate	99	111	123	135	147	159	171
	0.029	0.021	0.015	0.024	0.013	0.013	0.000

A.Y.E	Reported ALAE as of 3/31/20	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2017	2,020,379	7,256,679	0.199	1,444,084	3,464,463	1.066	3,692,975
12/31/2018	885,566	7,007,644	0.248	1,737,898	2,623,464	1.066	2,796,465
12/31/2019	343,580	8,931,587	0.300	2,679,492	3,023,072	1.066	3,222,446

* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience
 General Liability Including CMP Liability
 Loss Adjustment Expense Special Call
 Calendar Years 2015- 2019

<u>Item *</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2015 - 2019 Mean</u>
1. Direct Losses Incurred	\$24,958,455	\$25,388,567	\$22,632,160	\$26,519,433	\$28,416,595	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$6,032,038	\$4,939,134	\$5,935,928	\$5,781,764	\$5,750,906	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$2,454,825	\$2,540,806	\$2,332,466	\$2,282,751	\$2,814,839	
4. Incurred Losses + ALAE [(1) + (2)]	\$30,990,493	\$30,327,701	\$28,568,088	\$32,301,197	\$34,167,501	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	7.9%	8.4%	8.2%	7.1%	8.2%	8.0%
6. Selected		8.0%				

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) 7/1/2017 to 7/1/2022 AYE 12/31/2017	+ 0.9%	+ 1.6%	+ 1.5%
b) 7/1/2018 to 7/1/2022 AYE 12/31/2018	+ 0.8%	+ 1.1%	+ 1.1%
c) 7/1/2019 to 7/1/2022 AYE 12/31/2019	+ 0.7%	+ 0.6%	+ 0.6%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 6.4%	+ 4.8%	
Eight Years	+ 8.1%	+ 5.1%	
Six Years	+ 10.8%	+ 4.4%	
b) Selected	+ 5.0%	+ 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 12/31/2017, 12/31/2018 & 12/31/2019

(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
2009	1 0.961	22.128	2016	1 1.030	25.313
	2 0.966	22.349		2 1.030	25.481
	3 0.969	22.502		3 1.029	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 1.047	27.208
	3 0.978	23.556		3 1.051	27.441
	4 0.982	23.638		4 1.054	27.728
2012	1 0.986	23.715	2019	1 1.057	27.949
	2 0.990	23.794		2 1.060	28.183
	3 0.995	23.873		3 1.062	28.355
	4 1.000	23.965		4 1.064	28.506
2013	1 1.004	24.062	2020	1 1.065	28.691
	2 1.006	24.140		2 1.059	28.816
	3 1.008	24.167		3P 1.055	28.993
	4 1.010	24.208		4P 1.052	28.953
2014	1 1.012	24.299	2021	1P 1.050	28.873
	2 1.016	24.405		2P 1.055	28.805
	3 1.019	24.538		3P 1.058	28.682
	4 1.022	24.663		4P 1.062	28.738
2015	1 1.024	24.759	2022	1P 1.067	28.793
	2 1.026	24.909		2P 1.074	28.845
	3 1.027	25.013		3P 1.081	28.905
	4 1.030	25.172		4P 1.088	28.981

CHANGE IN EXPOSURES LOCAL PRODUCTS COMPLETED OPERATIONS

7/1/2017 to 7/1/2022	(2022:4/2017:4)	1.046	1.085
7/1/2018 to 7/1/2022	(2022:4/2018:4)	1.032	1.045
7/1/2019 to 7/1/2022	(2022:4/2019:4)	1.022	1.017

AVERAGE ANNUAL TREND FACTOR

7/1/2017 to 7/1/2022	(5.0 YRS)	1.009	1.016
7/1/2018 to 7/1/2022	(4.0 YRS)	1.008	1.011
7/1/2019 to 7/1/2022	(3.0 YRS)	1.007	1.006

* 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
12/31/2010	\$45,801,992	1,582	\$28,952	\$25,645		
12/31/2011	39,821,092	1,460	27,275	27,280		
12/31/2012	41,732,779	1,400	29,809	29,020	\$27,040	
12/31/2013	43,131,925	1,476	29,222	30,870	29,224	
12/31/2014	34,246,327	1,253	27,331	32,838	31,585	\$29,190
12/31/2015	35,432,643	1,098	32,270	34,932	34,136	32,347
12/31/2016	36,258,182	956	37,927	37,159	36,893	35,847
12/31/2017	37,125,436	876	42,381	39,529	39,872	39,725
12/31/2018	35,687,982	779	45,813	42,049	43,093	44,022
12/31/2019	37,257,460	838	44,460	44,730	46,573	48,784
Goodness of Fit Statistic, R-Squared:				0.816	0.852	0.894
Average Annual Severity Trend (10 yr)				+ 6.4%		
Average Annual Severity Trend (8 yr)				+ 8.1%		
Average Annual Severity Trend (6 yr)				+ 10.8%		
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
LOCAL PRODUCTS/COMPLETED OPERATIONS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Property Damage

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2010	\$154,522,739	5,409	\$28,568	\$26,373		
12/31/2011	137,102,918	5,314	25,800	27,627		
12/31/2012	129,176,670	4,636	27,864	28,940	\$28,583	
12/31/2013	117,342,730	3,901	30,080	30,316	30,036	
12/31/2014	113,050,236	3,586	31,525	31,758	31,563	\$32,189
12/31/2015	121,873,434	3,643	33,454	33,268	33,168	33,615
12/31/2016	134,325,288	3,732	35,993	34,850	34,854	35,104
12/31/2017	132,895,067	3,573	37,194	36,507	36,626	36,658
12/31/2018	151,474,468	3,881	39,030	38,243	38,489	38,282
12/31/2019	161,489,635	4,176	38,671	40,061	40,446	39,978
Goodness of Fit Statistic, R-Squared:				0.919	0.961	0.922
Average Annual Severity Trend (10 yr)				+ 4.8%		
Average Annual Severity Trend (8 yr)				+ 5.1%		
Average Annual Severity Trend (6 yr)				+ 4.4%		
Selected Annual Severity Trend				+ 4.5%		

* Including basic indemnity and allocated loss adjustment expense developed separately to an ultimate settlement basis.
NOTE: Trends are based on reported paid full coverage data developed to ultimate using paid development factors.
(See Section B - Explanation of Trend Calculation).

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 Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate ¹	(4) Occurrence Frequency (3)/(2) ²
12/31/2006	\$ 326,238,970	8,442	25.88
12/31/2007	325,331,118	8,393	25.80
12/31/2008	315,497,006	8,878	28.14
12/31/2009	301,841,127	8,904	29.50
12/31/2010	290,309,875	9,504	32.74
12/31/2011	288,802,569	8,867	30.70
12/31/2012	290,344,199	8,404	28.94
12/31/2013	296,741,631	8,155	27.48
12/31/2014	305,683,597	7,561	24.74
12/31/2015	315,859,471	7,289	23.08
12/31/2016	332,011,620	7,443	22.42
12/31/2017	342,155,375	7,123	20.82
12/31/2018	345,741,663	7,176	20.75
12/31/2019	344,939,626	7,403	21.46

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 0.996 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 * .884 * .947

CLASS	AYE 2019 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	174697	958159	1.68702	.3290	1.141	1.298	1.087	9.3	0.054	0.059
10145	38484	448000	.84434	.2183	.867	.986	.825	-22.2	0.009	0.007
10146	8813	51163	2.04040	.1031	.994	1.131	.947	-6.3	0.016	0.015
10352	26702	156964	.68968	.1370	.848	.965	.808	-19.4	0.067	0.054
11039	434425	2332164	1.11680	.5144	.999	1.137	.952	-5.1	0.078	0.074
11258	15815	91714	.00000	.1164	.772	.878	.735	-24.7	0.174	0.131 L
11259	152	1792	.00000	.0863	.798	.908	.760	-24.3	0.136	0.103
11288	77015	430583	1.06859	.2138	.915	1.041	.871	-12.5	0.096	0.084
12374	210083	1437805	.99018	.4079	.921	1.048	.877	-12.3	0.065	0.057
12375	93683	798729	.25750	.2979	.690	.785	.657	-24.5	0.049	0.037 L
13673	318251	2317560	1.11990	.5129	1.000	1.138	.953	-5.9	0.017	0.016
13720	21315	201111	1.54928	.1504	.975	1.109	.928	-7.1	0.056	0.052
14401	53736	225157	.82503	.1575	.866	.985	.825	-17.3	0.127	0.105
15224	82457	573862	.98848	.2489	.902	1.026	.859	-14.7	0.068	0.058
16900	559560	2828367	.91678	.5584	.898	1.022	.856	-14.0	0.107	0.092
16901	2113360	10645993	.71794	.8182	.746	.849	.711	-25.0	0.140	0.105 L
16902	123032	704396	.48862	.2782	.766	.871	.729	-24.1	0.058	0.044 L
16905								-14.0	0.107	0.092
16906								-25.0	0.140	0.105 L
16910	2996191	16282567	.87746	.8724	.877	.998	.835	-17.1	0.070	0.058
16911	232911	1262233	.80213	.3813	.846	.962	.805	-19.4	0.067	0.054
16915	80335	452025	.82917	.2193	.864	.983	.823	-16.9	0.059	0.049
16916	1108115	5296525	.88381	.6957	.881	1.002	.839	-16.7	0.066	0.055
16920	12882	85590	.98642	.1144	.886	1.008	.844	-15.6	0.128	0.108
16921	1339	5596	.00000	.0876	.797	.907	.759	-24.0	0.050	0.038
16930	115536	441426	.77251	.2166	.852	.969	.811	-19.0	0.200	0.162
16931	47869	182345	1.21673	.1447	.923	1.050	.879	-12.6	0.087	0.076
16940	1043	4438	.00000	.0872	.797	.907	.759	-23.5	0.051	0.039
16941	26495	97100	.17210	.1181	.791	.900	.753	-24.5	0.102	0.077
18435	481971	2009268	.99862	.4807	.934	1.063	.890	-10.4	0.077	0.069
18436	23067	83992	.00000	.1139	.774	.881	.738	-24.7	0.186	0.140 L
18501	324082	2070676	.83044	.4874	.852	.969	.811	-21.4	0.014	0.011
45900	70455	353455	.00187	.1936	.705	.802	.671	-25.0	0.048	0.036 L
49617	701531	2686215	1.30152	.5466	1.107	1.259	1.054	5.7	0.246	0.260
57001	33961	232168	1.62604	.1596	.994	1.131	.947	-3.7	0.027	0.026

X-TILDE: .891 X-TILDE (MONOLINE): .879 PI-TILDE: .0049190
 TAU SQUARED: .03000 SIGMA SQUARED: 79264.83023

- 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 * .985 * .947

CLASS	5 YEAR		5 YEAR MONO/MULTI EXPERIENCE RATIO	FORMULA		INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
	AYE 2019 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)		CRED. (4)	ER (5)					
10026	6926	38121	.00000	.0631	1.109	1.099	1.025	4.5	0.022	0.023
10042	2102897	7730438	1.01965	.5660	1.091	1.081	1.008	0.0	0.510	0.510
10060	3037	15393	.00000	.0599	1.113	1.103	1.029	2.9	0.103	0.106
10065	24052	180161	10.28298	.0827	1.936	1.919	1.790	25.0	0.032	0.040 U
10066	4695	21992	.00000	.0608	1.112	1.102	1.028	2.9	0.070	0.072
10071	863724	3582269	1.08799	.3892	1.147	1.137	1.061	6.3	0.144	0.153
10073	13870761	58064445	.87272	.9038	.903	.895	.835	-16.1	0.620	0.520
10075	1229	4871	16.36748	.0584	2.071	2.053	1.915	24.5	0.241	0.300 U
10107	18541	142387	.69955	.0776	1.146	1.136	1.060	6.7	0.300	0.320
10115	73810	385200	.97331	.1097	1.161	1.151	1.074	7.1	0.085	0.091
10309	27513	197425	.12393	.0851	1.094	1.084	1.011	0.0	0.018	0.018
11020	12672	41928	.74759	.0636	1.156	1.146	1.069	6.6	0.181	0.193
11127	87700	517244	1.27949	.1262	1.196	1.185	1.105	10.0	0.010	0.011
11128	43797	197801	.83288	.0851	1.154	1.144	1.067	6.5	0.093	0.099
11204	54648	122068	.01868	.0748	1.097	1.087	1.014	1.6	1.900	1.930
11234	28876	173395	.73986	.0818	1.147	1.137	1.061	6.0	0.067	0.071
12014	26575	180804	.43222	.0828	1.122	1.112	1.037	4.9	0.041	0.043
12356	5865	52803	2.62070	.0652	1.277	1.266	1.181	17.2	0.029	0.034
12510	4125	36932	.00000	.0629	1.109	1.099	1.025	3.6	0.028	0.029
12805	1328118	5849007	1.28794	.5004	1.236	1.225	1.143	14.5	0.165	0.189
13351	1288881	5825942	1.61870	.4995	1.401	1.389	1.296	25.0	0.064	0.080 U
13352	9220	37561	.00000	.0630	1.109	1.099	1.025	2.0	0.050	0.051
13506	157177	560425	.88757	.1314	1.145	1.135	1.059	5.6	0.090	0.095
13507	66410	284811	.00495	.0967	1.070	1.060	.989	-0.9	0.218	0.216
13716	872545	3937436	.80824	.4098	1.030	1.021	.952	-4.7	0.149	0.142
13759	26364	157296	.01221	.0796	1.091	1.081	1.008	0.6	0.159	0.160
14101	11510	89981	.20375	.0704	1.115	1.105	1.031	2.1	0.048	0.049
14279	149513	757747	1.22509	.1547	1.190	1.179	1.100	10.4	0.077	0.085
14913	116519	476603	.85758	.1212	1.144	1.134	1.058	5.9	0.203	0.215
15538	9261	106488	.42130	.0727	1.128	1.118	1.043	5.6	0.018	0.019
15600	6818	47698	2.36611	.0645	1.260	1.249	1.165	16.4	0.110	0.128
15608	2140	22462	.00000	.0609	1.112	1.102	1.028	0.0	0.011	0.011
15839	31997	200577	.18719	.0855	1.099	1.089	1.016	3.1	0.032	0.033
15991	54458	264762	1.24757	.0940	1.190	1.179	1.100	10.2	0.088	0.097
15993	11207	47130	.31445	.0644	1.128	1.118	1.043	4.8	0.063	0.066
16403	111039	503787	1.69072	.1245	1.247	1.236	1.153	15.4	0.208	0.240
16676	1157	6623	.00000	.0586	1.114	1.104	1.030	0.0	0.014	0.014

X-TILDE: .978 X-TILDE (MONOLINE): 1.009 PI-TILDE: .0024801
 TAU SQUARED: .06754 SIGMA SQUARED: 445767.49317

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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 * .985 * .947

CLASS	AYE 2019 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	68731	585036	.33780	.1344	1.070	1.060	.989	-1.4	0.140	0.138
18109	621	3235	.65688	.0582	1.153	1.143	1.066	6.3	0.032	0.034
18110	75166	365967	1.08690	.1072	1.173	1.163	1.085	8.7	0.046	0.050
18206	524188	3006934	1.14506	.3526	1.170	1.160	1.082	8.3	0.132	0.143
18335	11584	51180	.00000	.0649	1.107	1.097	1.023	0.0	0.020	0.020
18506	29	273	.00000	.0577	1.115	1.105	1.031	0.0	0.006	0.006
18507	1444	9301	.45146	.0590	1.141	1.131	1.055	10.0	0.010	0.011
18708	15046	65266	8.91049	.0669	1.701	1.686	1.573	22.7	0.022	0.027 U
18834	8219	39509	.00000	.0633	1.109	1.099	1.025	2.2	0.137	0.140
18911	6138	41299	.28427	.0636	1.127	1.117	1.042	4.3	0.023	0.024
18912	1614	6698	1.12063	.0586	1.180	1.169	1.090	10.3	0.039	0.043
18920	503	4299	.41870	.0583	1.139	1.129	1.053	4.5	0.022	0.023
45819	627826	3455922	.78081	.3815	1.030	1.021	.952	-4.2	0.072	0.069
49618	695	2685	2.00447	.0581	1.231	1.220	1.138	13.6	0.081	0.092
49619	257142	1169053	1.07852	.1995	1.163	1.153	1.076	7.8	0.154	0.166

X-TILDE: .978 X-TILDE (MONOLINE): 1.009 PI-TILDE: .0024801
 TAU SQUARED: .06754 SIGMA SQUARED: 445767.49317

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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 * 1.026 * .947

CLASS	AYE 2019 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	.903	1.000	.972	-2.9	0.680	0.660
92054	0	3	.00000	.1250	.790	.829	.805	-20.0	0.280	0.224
92055	963	3212	.00000	.1255	.790	.829	.805	-20.0	0.280	0.224
95124	1149151	5364333	1.40612	.5407	1.175	1.233	1.198	18.6	1.130	1.340
98303	187855	364858	.28905	.1757	.795	.834	.810	-19.4	10.400	8.380
98304	3834829	15079117	1.03772	.7531	1.004	1.054	1.024	2.0	4.430	4.520
98305	5311710	17557449	1.02478	.7792	.998	1.047	1.017	1.1	2.610	2.640
98306	10798	63169	.71453	.1342	.878	.921	.895	-11.4	1.230	1.090
98307	2424	9955	.18764	.1265	.813	.853	.829	-17.5	0.630	0.520
98308	803149	2957311	.96262	.4163	.928	.974	.946	-6.0	1.510	1.420
98309	43747	123440	1.96815	.1429	1.055	1.107	1.076	7.2	2.790	2.990
98344	76303	337433	.63902	.1721	.858	.900	.874	-13.0	0.920	0.800
98449	3908783	13185559	.86340	.7287	.874	.917	.891	-11.4	37.600	33.300
98805	342732	1240900	1.35432	.2765	1.028	1.079	1.048	4.0	1.730	1.800
98813	549463	2011355	.90044	.3467	.902	.946	.919	-8.3	2.520	2.310
98967	2861240	8362006	1.15151	.6371	1.061	1.113	1.081	7.4	14.800	15.900
99003	74529	252124	.50506	.1607	.839	.880	.855	-14.9	2.010	1.710
99826	53843	217067	1.22037	.1559	.953	1.000	.972	-2.7	0.750	0.730
99827	89700	470233	.74399	.1893	.873	.916	.890	-10.4	0.670	0.600
99948	4422249	14217590	.88219	.7426	.888	.932	.906	-10.0	35.100	31.600
99952	985651	2058410	.89572	.3506	.901	.945	.918	-8.7	27.600	25.200
99953	398706	1272437	.54509	.2797	.803	.843	.819	-18.8	16.500	13.400
99954	271252	859801	.27442	.2359	.755	.792	.770	-23.4	14.500	11.100
99955	1161387	3935841	.71035	.4742	.812	.852	.828	-17.6	10.300	8.490

X-TILDE: .979 X-TILDE (MONOLINE): .953 PI-TILDE: .0073154
 TAU SQUARED: .03000 SIGMA SQUARED: 177801.39354

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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 * 1.009 * .947

CLASS	AYE 2019 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	2771136	12172473	.82609	.4005	.887	.964	.921	-8.4	7.850	7.190
91150	1614190	6410088	.84195	.2744	.905	.984	.940	-6.5	7.430	6.950
91155	8895467	25282713	.96466	.5704	.949	1.032	.986	-1.9	53.000	52.000
91340	36276107	118353035	.84710	.8574	.859	.934	.892	-11.4	12.300	10.900
91341	16356534	56725410	.96342	.7442	.954	1.037	.991	-1.4	6.390	6.300
91342	16910806	56178098	.91744	.7424	.920	1.000	.956	-4.9	4.940	4.700
91343	489042	2249590	.67166	.1444	.891	.968	.925	-8.1	1.860	1.710
91436	325050	1464913	.64996	.1145	.896	.974	.931	-7.3	3.000	2.780
91507	46519	200880	.03055	.0616	.873	.949	.907	-9.8	4.470	4.030
91551	1176967	4787168	.81320	.2287	.902	.980	.936	-7.0	0.860	0.800
91555	172238	925528	.59874	.0927	.898	.976	.933	-7.2	1.250	1.160
91560	17540397	65523056	.89427	.7703	.902	.980	.936	-6.9	5.390	5.020
91577	2802250	10093802	1.08149	.3604	.983	1.068	1.020	1.4	4.150	4.210
91746	4227320	16921832	1.03491	.4756	.979	1.064	1.017	1.2	6.600	6.680
92101	716303	2701812	.86209	.1607	.918	.998	.954	-5.0	3.970	3.770
92102	779343	3151225	1.35475	.1764	1.003	1.090	1.042	3.7	4.620	4.790
92215	11941980	48010003	.94818	.7119	.942	1.024	.978	-2.8	3.870	3.760
92338	7281933	24944488	.98479	.5672	.960	1.043	.997	-0.7	2.870	2.850
92446	647442	1777119	.26393	.1266	.844	.917	.876	-12.7	2.200	1.920
92447	48779	246589	.56674	.0636	.905	.984	.940	-6.3	2.210	2.070
92451	3734264	15665581	.94481	.4576	.936	1.017	.972	-3.3	2.750	2.660
92478	21435506	86546479	.87755	.8152	.887	.964	.921	-8.4	2.260	2.070
94007	15503947	48028772	.94140	.7120	.938	1.020	.975	-3.0	7.230	7.010
94276	2415612	9476802	.72441	.3474	.857	.932	.891	-11.4	6.030	5.340
94569	3849771	16312381	1.01320	.4671	.968	1.052	1.005	0.0	4.860	4.860
95410	8945134	34870687	.84872	.6442	.877	.953	.911	-9.5	3.680	3.330
95455	575152	3049596	2.24205	.1729	1.155	1.255	1.199	19.4	1.650	1.970
95505	127077	553770	1.42876	.0770	.967	1.051	1.004	0.0	2.930	2.930
95625	2590050	9194510	1.24020	.3413	1.035	1.125	1.075	6.9	4.910	5.250
95647	39977663	163472527	.91275	.8923	.914	.993	.949	-5.6	7.970	7.520
96053	922731	2771838	.72645	.1632	.895	.973	.930	-7.4	6.190	5.730
96410	2346060	8371729	.96490	.3229	.940	1.022	.977	-3.3	12.000	11.600
96611	506328	1656614	.21831	.1220	.842	.915	.874	-13.2	2.040	1.770
97447	11278101	41579061	1.03467	.6823	1.001	1.088	1.040	3.6	6.710	6.950
97650	636695	2150339	.81629	.1407	.912	.991	.947	-5.7	5.130	4.840
97651	461379	1693930	1.31869	.1234	.976	1.061	1.014	0.8	4.960	5.000
97652	77591	297996	6.65931	.0659	1.306	1.420	1.357	24.3	5.180	6.440 U

X-TILDE: .906 X-TILDE (MONOLINE): .920 PI-TILDE: .0033020
 TAU SQUARED: .03000 SIGMA SQUARED: 629325.03161

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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 * 1.009 * .947

CLASS	AYE 2019 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	1190937	4113929	.79201	.2080	.900	.978	.935	-7.0	3.860	3.590
97654	98586	441113	.25524	.0721	.880	.957	.914	-9.2	3.690	3.350
97655	2170074	7867958	.53192	.3110	.805	.875	.836	-16.8	6.660	5.540
98002	49683	245868	.00000	.0636	.869	.945	.903	-10.3	1.260	1.130
98482	31077096	116513855	.99729	.8555	.987	1.073	1.025	2.0	9.230	9.410
98483	46728460	159376525	.89014	.8898	.894	.972	.929	-7.6	27.700	25.600
98502	574844	2063125	1.05292	.1375	.945	1.027	.981	-2.5	5.110	4.980
98636	2790458	10580751	.81287	.3703	.886	.963	.920	-8.4	4.410	4.040
98677	6227071	22824982	.90307	.5463	.914	.993	.949	-5.8	13.800	13.000
98678	4388487	14385183	.85563	.4380	.896	.974	.931	-7.5	19.900	18.400
98806	858116	3869008	.76771	.2002	.896	.974	.931	-7.5	4.290	3.970
98820	4461118	17503941	.90822	.4836	.919	.999	.955	-4.9	4.470	4.250
98884	2984064	12289387	1.06614	.4026	.984	1.070	1.022	1.7	2.400	2.440
99004	50269	191744	.09161	.0612	.877	.953	.911	-9.5	2.210	2.000
99080	1964235	6565010	.55412	.2784	.824	.896	.856	-14.8	10.500	8.950
99315	1613998	6662217	1.12297	.2810	.983	1.068	1.020	1.6	2.510	2.550
99321	2802558	11086093	.81841	.3802	.886	.963	.920	-8.3	3.150	2.890
99613	1721437	7248217	.87071	.2959	.911	.990	.946	-5.8	2.780	2.620
99650	668528	3191235	.96907	.1777	.935	1.016	.971	-3.9	1.270	1.220
99746	4825530	19691061	.94638	.5113	.938	1.020	.975	-2.9	4.070	3.950

X-TILDE: .906 X-TILDE (MONOLINE): .920 PI-TILDE: .0033020
 TAU SQUARED: .03000 SIGMA SQUARED: 629325.03161

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LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 13

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .940 * .947

CLASS	AYE 2019 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	61787	162571	.05377	.1519	.682	.861	.766	-24.1	2.160	1.640
91127	1118821	4238084	.63189	.5830	.700	.884	.787	-21.8	1.700	1.330
91235	448940	2315058	.50746	.4514	.665	.840	.748	-25.1	3.710	2.780 L
91265	32119	111228	.36395	.1407	.734	.927	.825	-17.7	3.100	2.550
91266	285195	1055784	1.10183	.3086	.889	1.122	.999	-0.7	1.390	1.380
91280	7609	61117	3.28520	.1295	1.117	1.410	1.255	24.3	3.780	4.700 U
94381	2516756	7217499	1.04646	.6960	.970	1.225	1.090	8.1	17.200	18.600
94404	183624	436075	1.59215	.2069	.960	1.212	1.079	7.3	7.000	7.510
95310	545583	1674290	1.22455	.3870	.961	1.213	1.080	7.1	1.550	1.660
96408	2430314	7447881	.77812	.7022	.783	.989	.880	-12.4	19.300	16.900
96409	2596695	10659934	.89920	.7685	.875	1.105	.984	-2.3	13.100	12.800
97221	957882	5400056	.73770	.6358	.758	.957	.852	-15.5	1.420	1.200
97222	4447676	19733699	.73878	.8578	.747	.943	.839	-16.5	2.310	1.930
97223	5420450	20228531	.65365	.8608	.673	.850	.757	-24.6	5.450	4.110
98152	659014	3010243	1.16138	.5076	.981	1.239	1.103	10.2	0.880	0.970
98157	83264	303357	.00000	.1811	.651	.822	.732	-23.7	0.590	0.450 L
98163	3731	7282	.00000	.1171	.702	.886	.789	-21.5	0.260	0.204
98164	23937	82718	.00000	.1343	.688	.869	.774	-22.6	0.084	0.065
98659	16	589	.00000	.1155	.703	.888	.790	-21.7	0.460	0.360
98914	251	2907	.00000	.1161	.702	.886	.789	-21.7	0.690	0.540
98949	5003	25026	.00000	.1212	.698	.881	.784	-22.9	0.350	0.270
98993	1819349	7749806	.53890	.7100	.613	.774	.689	-25.2	5.590	4.180 L
99163	3647	13668	.00000	.1186	.700	.884	.787	-20.8	0.530	0.420
99803	31884	79894	1.06402	.1337	.831	1.049	.934	-7.5	14.700	13.600
99946	3673111	15234835	.83021	.8242	.824	1.040	.926	-7.9	3.540	3.260
99969	1296263	4431224	1.23120	.5928	1.053	1.330	1.184	17.9	3.750	4.420

X-TILDE: .792 X-TILDE (MONOLINE): .792 PI-TILDE: .0068835
 TAU SQUARED: .03000 SIGMA SQUARED: 113367.68726

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SECTION H
CONSIDERATION OF COVID-19
TABLE OF CONTENTS

Introduction	H-2
Loss Cost Adjustments General Liability	H-2-3
Premium Development Adjustment Factor	H-4
Premium Development Adjustment Factor Data	H-5

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.

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 continue to be reflected in the loss costs for several classes. Additionally, for M&C premium development an adjustment factor has been applied to the standard ISO methodology development factor to be reflected in the latest experience accident year (year ending 9/30/2020).

LOSS COST ADJUSTMENTS GENERAL LIABILITY

In GL-2020-BGL1, loss costs for nine classifications were adjusted due to the anticipation of long-term behavioral, social, and economic changes as a result of COVID-19. The expectation, based on the information currently available, was that those changes would have a material impact on prospective loss costs for certain risks. To reflect these changes, judgmentally selected adjustment factors were applied to the loss costs for those nine classes.

The nine classifications that were adjusted are OL&T classifications within Premises/ Operations Class Group 12 – Building and Offices. These classes are for risks that are primarily in an office environment and are expected to be impacted by changes in the office work environment.

The varying adjustments applied, -5% or -10%, reflect the expected decrease in foot traffic for the individual classes listed.

In Section A, the present and proposed loss costs for these classes both reflect the COVID-19 adjustments listed. Additionally, as the adjustment is to reflect anticipated long-term changes as a result of COVID-19, the aggregated loss costs at current level utilized in the review excludes the COVID-19 adjustment from the current loss costs for any exposure earned prior to 3/1/2020 for the classes listed. The assumption is that the long-term behavioral, social, and economic changes as a result of COVID-19 began at this time. The specific impact during peak COVID-19 periods may have been greater than the selected adjustments but the purpose of these adjustments is to reflect the expected future impact as opposed to what happened in the past.

IMPACT OF COVID-19 ON GENERAL LIABILITY LOSS COSTS

LOSS COST
ADJUSTMENTS
GENERAL LIABILITY
(Cont'd)

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%

IMPACT OF COVID-19 ON GENERAL LIABILITY LOSS COSTS

PREMIUM DEVELOPMENT ADJUSTMENT FACTOR

In general, premium development is intended to account for cases where actual exposures during the policy period are different from exposures estimated at policy inception. During times of economic expansion, audits of sales and payroll (and other auditable exposure bases) typically lead to increased exposures and Premises/Operations premium development factors greater than unity. The opposite typically occurs during recessions.

For the current recession in particular, many of the premium audits that will impact accident year-ending 9/30/2020 had not yet occurred as of the 12/31/2020 evaluation date. As a result, a premium development adjustment factor has been applied to account for the overall exposure decreases expected upon audit.

To develop the adjustment factor, historical year-to-year changes in gross domestic product (“GDP”) were compared to ISO Premises/Operations premium development 15-to-27 month link ratios from 2004 through 2020. See “Premium Development Adjustment Factor Data” exhibit below for details. The 15-to-27 links were chosen for review because most audits are usually completed by 27 months. However, a limitation of the available premium development data is the presence of only a single recession, namely the late 2000’s “Great Recession”, so the observed data was used to inform actuarial judgment rather than as input to a model.

For M&C an adjustment factor of 0.97 was selected and applied to the accident year ending 6/30/2020 premium development factor from the standard ISO methodology. The selection is an estimate of the change in development based on the observed year-ending 6/30/2020 GDP change and the historical relationship between the GDP changes and M&C premium development factors.

No adjustment is being made at this time for OL&T. In contrast to M&C where almost every class could potentially be subject to audit, there are fewer OL&T classes with auditable exposures that would potentially be impacted by COVID-19 and the resulting recession. This is supported by the historical OL&T premium development factors, which have been observed to be less sensitive to historical changes in GDP.

MULTISTATE
MANUFACTURERS AND CONTRACTORS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

PREMIUM DEVELOPMENT ADJUSTMENT FACTOR DATA

<u>Accident Year Ending</u>	<u>15-to-27 link</u>	<u>Change in GDP*</u>	<u>Comments**</u>
6/30/2004	1.023	1.040	
6/30/2005	1.030	1.035	
6/30/2006	1.027	1.033	
6/30/2007	1.014	1.021	
6/30/2008	0.998	1.016	Recession starts 12/2007.
6/30/2009	0.974	0.975	Recession ends 6/2009.
6/30/2010	0.994	1.004	
6/30/2011	1.010	1.023	
6/30/2012	1.016	1.019	
6/30/2013	1.019	1.017	
6/30/2014	1.029	1.022	
6/30/2015	1.025	1.034	
6/30/2016	1.020	1.020	
6/30/2017	1.020	1.020	
6/30/2018	1.015	1.029	
6/30/2019	1.014	1.025	
6/30/2020		0.989	Recession starts 2/2020.

Selected Premium Development Adjustment Factor (applied to 15-to-ultimate development factor): **0.970**

* Accident year GDP were calculated by averaging quarterly seasonally adjusted gross domestic product (“GDP”) totals at annual rate over each set of four relevant years. Changes in GDP are then the ratio of the resulting averages for adjacent accident years.

Source: U.S. Bureau of Economic Analysis, Real Gross Domestic Product [GDPC1], retrieved from FRED, Federal Reserve Bank of St. Louis; <https://fred.stlouisfed.org/series/GDPC1>, April 28, 2021.

** Source: Federal Reserve Bank of St. Louis; <https://fredhelp.stlouisfed.org/fred/data/understanding-the-data/recession-bars/>, April 28, 2021.

SECTION I

LCADD MANUAL PAGE WITHDRAWN

TABLE OF CONTENTS

CG-LCADD-1 (Withdrawn)

I-2

**COMMERCIAL LINES MANUAL
DIVISION SIX
GENERAL LIABILITY
LOSS COST ADDENDUM PAGES**

MINNESOTA (22)

LOSS COST MAPPING BY CLASS

For new classifications introduced in the Classification Table revision addressed in multistate rules filing GL-2020-RMJRU, use the Premises and Operations (Subline Code 334) and Products/Completed Operations (Subline Code 336) loss costs for the existing classifications displayed in the following table:

New Class Code	Premises/ Operations	Products
10011	Use 100% of premises/operations loss cost for Class 12373.	RTC
10012	Use 116% of premises/operations loss cost for Class 12373.	RTC
10025	Use 100% of premises/operations loss cost for Class 12373.	RTC
10027	Use 100% of premises/operations loss cost for Class 12373.	RTC
10210	Use 65% of premises/operations loss cost for Class 12374.	RTC
10211	Use 65% of premises/operations loss cost for Class 12374.	RTC
50011	Use 110% of premises/operations loss cost for Class 52343.	RTC
50012	Use 100% of premises/operations loss cost for Class 58503.	RTC
50018	Use 100% of premises/operations loss cost for Class 52343.	RTC
50019	Use 100% of premises/operations loss cost for Class 52911.	RTC

Table #1(LCADD) Loss Cost Mapping By Class

MINNESOTA GL-2021-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>
M&C	+ 1.0%	+ 1.0%
OL&T	+ 1.5%	+ 1.5%
Premises/Operations	+ 1.2%	+ 1.2%
Products	- 6.7%	- 6.7%
Local Products/Completed Operations	- 4.9%	- 4.9%
Products/Completed Operations	- 5.5%	- 5.5%
GL Overall	- 0.6%	- 0.6%

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

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

ISO reporting companies' voluntary experience.
 Fiscal - accident year data through year ended 9/30/2020 for Premises/Operations.
 Calendar - accident year data through year ended 12/31/2019 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) increased by an average of 19.3%, 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 15.0% increase in ALCCL;
- Implemented loss cost level change (+0.3%);
- A change in exposure trend plus an additional year of trending (+4.5%);
- The effect on ALCCL due to a change in average IPMFs (+0.3%).

The Basic Limit Experience Ratio (BLER) decreased in 2018 (-12.3%). This is mainly due to favorable experience across several class groups. The BLER increased in 2019 (+18.7%). This is mainly due to unfavorable experience across several class groups.

Owners, Landlords
and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 10.2%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 3.4% decrease in ALCCL;
- Implemented loss cost level change (+11.8%);
- A change in exposure trend plus an additional year of trending (+1.0%);
- The effect on ALCCL due to a change in average IPMFs (-0.1%).

The BLERs changed due to the various effects listed above.

Products

Multistate ALCCL increased by an average of 9.5% 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 10.8% increase in ALCCL;
- Implemented an average loss cost level change of approximately -0.1% in most states;
- A change in exposure trend plus an additional year of trending of -0.9%;
- The effect on ALCCL due to a change in average IPMFs (+1.1%).

The BLERs changed due to the various effects listed above.

CALL TO CALL
COMPARISON
(Cont'd)

Local Products/
Completed Ops

Multistate ALCCL increased by an average of 16.3% 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 10.5% increase in ALCCL;
- Implemented an average loss cost level change of approximately +9.2% in most states;
- A change in exposure trend plus an additional year of trending of -2.0%;
- The effect on ALCCL due to a change in average IPMFs (+0.8%).

The BLERs changed due to the various effects listed above.

LATEST CALL
YEAR TO YEAR
COMPARISON

Manufacturers and
Contractors

The ALCCL decreased from 2016 to 2017, increased in 2018 and then decreased thereafter.

The low BLER for 2016 (0.800) is attributable to favorable experience in several class groups. The high BLER for 2019 (1.128) is attributable to unfavorable experience in several class groups.

Owners, Landlords
and Tenants

The ALCCL increased from 2016 to 2018, decreased in 2019 and then increased thereafter.

The high BLERs for 2017 (1.190) and 2019 (1.152) are attributable to unfavorable experience in several class groups. The low BLER for 2020 (0.895) is attributable to favorable experience in several class groups.

Products

The ALCCL increased from 2015 to 2017, decreased in 2018 and then increased thereafter.

The BLER increased from 2015 to 2016 and then decreased thereafter.

Local Products/
Completed Ops

The ALCCL increased steadily from 2015 to 2019.

The BLER increased from 2015 to 2016, decreased in 2017 and then increased thereafter.

LOSS
DEVELOPMENT
FACTOR
COMPARISON

Manufacturers and
Contractors

The BI indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review, except for the 27 and 39 months-to-ultimate factors which increased by 13.8% and 10.6% respectively. This can largely be attributed to higher 27-to-39 and 39-to-51 month state link ratios. The PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review.

The multistate full coverage BI indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review. The multistate full coverage PD indemnity loss development factors for the 2021 review have increased compared to those in the 2020 review.

The multistate deductible coverage BI indemnity loss development factors for the 2021 review remained stable compared to the 2020 review. The multistate deductible coverage PD indemnity loss development factors for the 2021 review have increased compared to the 2020 review.

The multistate Fringe indemnity loss development factors for the 2021 review remained stable compared to the 2020 review.

Owners, Landlords
and Tenants

The BI and PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review.

The multistate full coverage BI and PD indemnity loss development factors for the 2021 review have increased compared to those in the 2020 review.

The multistate deductible coverage BI and PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review.

The multistate Fringe indemnity loss development factors for the 2021 review remained stable compared to the 2020 review.

Products

The multistate full coverage BI and PD indemnity loss development factors for the 2021 review have decreased compared to those in the 2020 review.

The multistate deductible coverage BI indemnity loss development factors for the 2021 review remained stable compared to the 2020 review. The multistate deductible coverage PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review, with an increase in the 15 months-to-ultimate factor.

LOSS
DEVELOPMENT
FACTOR
COMPARISON
(Cont'd)

Local Products/
Completed Ops

For Local Products, the multistate full coverage BI and PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review. The multistate deductible coverage BI indemnity loss development factors for the 2021 review remained stable compared to the 2020 review. The multistate deductible coverage PD indemnity loss development factors for the 2021 review have decreased compared to the 2020 review.

For Completed Operations, the full coverage BI indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review, except for the 15 and 27 months-to-ultimate factors which decreased by 28.1% and 18.2% respectively. This can largely be attributed to lower 15-to-27 and 27-to-39 months state link ratios. The full coverage PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review.

The Completed Operations multistate full coverage BI indemnity loss development factors for the 2021 review have decreased compared to those in the 2020 review. The multistate full coverage PD indemnity loss development factors for the 2021 review remained stable compared to those in the 2020 review. The multistate deductible coverage BI indemnity loss development factors for the 2021 review have decreased compared to those in the 2020 review. The multistate deductible coverage PD indemnity loss development factors for the 2021 review have increased compared to those in the 2020 review.

One might expect PD loss development to be higher due to the Montrose decision in California. In response to the Montrose decision, ISO has introduced revised wording into the CGL policy to better define the concept of known loss. This revision represents neither a broadening nor a restriction in coverage from the original intent, however, it may result in the shifting of coverage, under certain circumstances, between an insured's current policy and past or future policies.

ALAE Development

To develop ALAE losses for all sublines and loss types (BI, PD and Fringe), we are using an incremental method that is based on a percentage of the total limit indemnity losses developed to ultimate. Since this is a procedure that produces incremental factors instead of multiplicative factors, there is no appropriate factor comparison available to last year's review.

One of the primary purposes of this procedure is to produce accurate and stable developed ALAE, especially for immature accident years.

SEVERITY TREND
COMPARISON

Manufacturers and
Contractors

The BI severity trend selection is +4.5%, unchanged from +4.5% in the previous Fiscal review.

The PD severity trend selection is +4.5%, unchanged from +4.5% in the previous Fiscal review.

The Fringe severity trend selection is 0.0%, unchanged from 0.0% in the previous Fiscal review.

Owners, Landlords
and Tenants

The BI severity trend selection is +4.5%, up from +4.0% in the previous Fiscal review.

The PD severity trend selection is +5.5%, up from +5.0% in the previous Fiscal review.

The Fringe severity selection is 0.0%, down from +1.0% in the previous Fiscal review.

Products

The BI severity trend selection is +3.0%, unchanged from +3.0% in the previous review.

The PD severity trend selection is +5.5%, down from +6.0% in the previous review.

Local Products/
Completed Ops

The BI severity trend selection is +5.0%, up from +4.0% in the previous review.

The PD selected severity trend is +4.5%, unchanged from +4.5% in the previous review.

FREQUENCY
TREND
COMPARISON

We have selected a frequency trend of 0.0% for Manufacturers & Contractors, -0.5% for Owners, Landlords and Tenants, -1.5% for Products, and -0.5% for Local Products/Completed Operations. This is consistent with our conservative approach toward frequency trend selections. This conservatism reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

Manufacturers and
Contractors

The latest frequency point is 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 higher than the prior point.

EXPOSURE
TREND
COMPARISON

Manufacturers and
Contractors

The exposure trend factors for Manufacturers are higher than that used in the previous review for all three years. The exposure trend factors for Contractors are higher 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 higher than those used in the previous review for all three years. For Class Group 16, the exposure trend factors are higher than that used in the previous review for 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 1.087. In the 2020 review the weighted average IPMF was 1.086.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.966. In the 2020 review the weighted average IPMF was 0.967.
	Products	The current multistate weighted average IPMF is 0.865. In the 2020 review the multistate weighted average IPMF was 0.859.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 1.000. In the Group 4, 2020 review the multistate weighted average IPMF was 0.991.

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 (0.869) ranks the lowest overall. In last year's review, Minnesota's state balanced relative change (0.924) ranked 3rd lowest overall.

CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average increase of 15.0% in the total statewide ALCCL.
	For Owners, Landlords and Tenants, the change in company mix results in an average decrease of 3.4% in the total statewide ALCCL.
	For Products, the change in company mix results in a 10.8% increase in the total multistate ALCCL.
	For Local Products/Completed Operations, the change in company mix results in a 10.5% increase 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	.189	10150	.194	(a)	11204	.123	1.93	13111	.31	.092
10011	.011	(a)	10151	4.90	-	11205	(a)	-	13112	.029	.063
10012	.012	(a)	10160	.87	-	11206	.63	-	13201	.52	.144
10015	4.05	-	10204	.088	-	11207	7.90	-	13204	.59	1.14
10020	(a)	(a)	10205	.098	-	11208	1.35	-	13205	.226	.42
10025	.011	(a)	10210	.158	(a)	11209	6.36	-	13206	(a)	(a)
10026	.25	.023	10211	.158	(a)	11210	2.71	-	13207	(a)	(a)
10027	.011	(a)	10220	1.85	-	11211	14.10	-	13208	(a)	(a)
10036	.39	(a)	10255	.143	.151	11212	2.13	-	13314	.047	.014
10040	.034	.32	10256	.52	.183	11213	1.74	-	13351	.115	.08
10042	.145	.51	10257	.099	.148	11214	4.28	-	13352	.117	.051
10052	2.80	-	10309	.063	.018	11222	.072	-	13410	.82	2.35
10054	2.48	-	10315	.149	(a)	11234	.111	.071	13411	(a)	(a)
10060	.07	.106	10331	5.49	-	11248	.027	.016	13412	.28	1.21
10065	.104	.04	10332	9.47	-	11258	.33	.131	13453	.32	(a)
10066	.106	.072	10352	.16	.054	11259	.35	.103	13454	.38	(a)
10070	.025	.151	10367	3.62	-	11273	5.48	-	13455	.38	(a)
10071	.125	.153	10368	5.30	-	11274	5.26	-	13461	(a)	(a)
10072	4.10	-	10375	(a)	-	11288	.40	.084	13506	.36	.095
10073	.60	.52	10378	5.56	-	12014	.059	.043	13507	.43	.216
10075	4.47	.30	10379	2.58	-	12356	.46	.034	13590	.28	.67
10100	.27	.059	10380	4.40	-	12361	.035	.07	13621	.072	.33
10101	.094	.177	10381	3.81	-	12362	.028	(a)	13670	.019	.017
10105	1.02	-	11007	1.54	-	12373	.011	.023	13673	.25	.016
10107	1.84	.32	11020	.119	.193	12374	.242	.057	13715	.028	.145
10110	13.80	-	11039	.52	.074	12375	.119	.037	13716	.178	.142
10111	.055	.067	11052	1.58	-	12391	.021	.07	13720	.141	.052
10113	.141	-	11101	(a)	(a)	12393	.158	(a)	13759	.07	.16
10115	.28	.091	11120	(a)	-	12467	.066	(a)	13930	.059	.174
10117	4.02	-	11126	.025	.024	12509	.036	.031	14068	.015	.012
10119	(a)	-	11127	.141	.011	12510	.45	.029	14101	.18	.049
10120	9.01	-	11128	.19	.099	12583	.202	(a)	14279	.27	.085
10130	1.39	-	11138	1.37	-	12651	.59	.51	14401	.33	.105
10132	1.20	-	11155	.084	-	12683	.27	(a)	14405	.91	-
10133	1.52	-	11160	(a)	(a)	12707	.182	.56	14527	.113	.179
10135	(a)	-	11167	.36	-	12797	.038	.194	14655	.035	-
10140	.016	.022	11168	1.89	-	12805	.127	.189	14731	1.57	-
10141	.032	.023	11201	13.50	-	12841	.211	-	14732	.116	-
10145	.153	.007	11202	3.99	-	12927	.037	-	14733	.244	-
10146	.122	.015	11203	.33	.46	13049	.018	.051	14734	.104	-

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
14855	.126	.133	16670	2.28	—	18501	.27	.011	40072	(a)	—
14913	.131	.215	16676	.117	.014	18506	.25	.006	40075	30.10	—
15060	(a)	(a)	16694	.238	(a)	18507	.074	.011	40101	10.30	—
15061	(a)	(a)	16705	.089	.131	18570	.77	—	40102	9.13	—
15062	.113	(a)	16722	(a)	—	18575	(a)	(a)	40111	4.47	—
15063	.132	(a)	16723	(a)	—	18616	.192	.59	40115	(a)	—
15070	.121	—	16750	.041	.034	18707	.004	.005	40117	(a)	—
15119	(a)	—	16751	.041	—	18708	.045	.027	40140	(a)	—
15120	(a)	—	16819	.68	(a)	18833	.05	(a)	41001	.151	—
15123	1.51	—	16820	.53	(a)	18834	.117	.14	41210	(a)	—
15124	.53	—	16881	.64	(a)	18911	.37	.024	41421	.39	—
15188	.199	(a)	16890	.08	(a)	18912	.69	.043	41422	.209	—
15223	.023	.044	16891	.087	(a)	18920	.18	.023	41510	18.50	—
15224	.149	.058	16892	.159	(a)	18991	(a)	—	41603	18.60	—
15300	(a)	—	16900	1.37	.092	19007	.59	—	41604	10.20	—
15314	.084	(a)	16901	.88	.105	19051	1.31	—	41620	1.13	—
15404	.052	(a)	16902	.74	.044	19061	(a)	—	41650	26.10	—
15405	.076	(a)	16905	1.44	.092	19795	.121	(a)	41664	19.10	—
15406	.193	.053	16906	.92	.105	19796	.141	—	41665	2.24	—
15488	.48	(a)	16910	.82	.058	40005	(a)	—	41666	(a)	—
15538	.149	.019	16911	.74	.054	40006	(a)	—	41667	52.20	—
15600	.38	.128	16915	.84	.049	40010	(a)	—	41668	48.90	—
15607	.159	—	16916	.70	.055	40015	(a)	—	41669	.34	—
15608	.084	.011	16920	1.87	.108	40020	(a)	—	41670	.58	—
15656	2.48	—	16921	1.71	.038	40026	(a)	—	41672	(a)	—
15699	.39	—	16930	1.07	.162	40031	(a)	—	41673	(a)	—
15733	.126	.034	16931	1.16	.076	40032	(a)	—	41675	(a)	—
15839	.113	.033	16940	2.33	.039	40040	(a)	—	41677	.233	—
15991	.092	.097	16941	.93	.077	40041	(a)	—	41678	36.50	—
15993	.078	.066	18078	.05	.138	40042	(a)	—	41679	(a)	(a)
16005	.015	.031	18109	.154	.034	40045	126.00	—	41680	13.60	—
16009	.155	.106	18110	.123	.05	40046	24.90	—	41696	.74	—
16402	.56	—	18200	(a)	—	40047	8.89	—	41697	.51	—
16403	.35	.24	18205	.077	.38	40059	3.18	—	41700	(a)	—
16404	.44	—	18206	.199	.143	40061	1.69	—	41715	8.63	—
16471	.224	—	18335	.143	.02	40063	56.50	—	41716	5.49	—
16501	.031	(a)	18435	.29	.069	40064	16.60	—	43007	(a)	—
16527	.048	.32	18436	.234	.14	40066	(a)	—	43117	(a)	—
16588	.072	(a)	18437	.205	(a)	40067	(a)	—	43151	15.00	—
16604	.12	.122	18438	.39	(a)	40069	(a)	—	43152	10.90	—

\$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
43200	57.00	-	44112	.99	-	45771	.225	.139	47254	(a)	-
43215	(a)	-	44113	(a)	-	45819	.073	.069	47318	5.32	-
43421	15.60	-	44193	(a)	-	45900	.043	.036	47367	.233	-
43422	82.00	-	44194	(a)	-	45901	.037	.045	47420	1.17	-
43424	(a)	-	44222	(a)	-	45937	.129	-	47468	(a)	-
43470	4.30	-	44276	76.50	-	45993	(a)	(a)	47469	3.92	-
43517	(a)	-	44277	49.60	-	46004	24.80	-	47471	3.40	-
43518	8.19	-	44280	.233	-	46005	19.90	-	47473	4.44	-
43550	55.80	-	44311	4.23	-	46112	.041	-	47474	4.97	-
43551	30.90	-	44315	2.84	-	46202	2.98	-	47475	3.92	-
43626	6.54	-	44427	37.40	-	46362	127.00	-	47476	3.92	-
43628	85.00	-	44428	37.60	-	46426	18.60	-	47477	5.23	-
43629	72.10	-	44429	.56	-	46427	24.90	-	47478	5.49	-
43754	(a)	-	44430	.39	-	46510	(a)	-	47600	(a)	-
43760	2.40	-	44431	1.25	-	46590	(a)	-	47610	(a)	-
43822	3.40	-	44432	.40	-	46603	1.56	-	48039	40.40	-
43840	.042	-	44433	12.60	-	46604	1.80	-	48177	(a)	-
43860	2.69	-	44434	24.20	-	46606	4.80	-	48178	(a)	-
43889	.96	-	44435	25.00	-	46607	6.61	-	48206	17.30	-
43945	(a)	-	44436	29.20	-	46622	9.99	-	48252	(a)	-
43946	(a)	-	44437	24.20	-	46671	(a)	-	48441	.073	-
43990	(a)	(a)	44438	19.10	-	46700	115.00	-	48557	7.27	-
43991	(a)	-	44439	37.30	-	46773	(a)	-	48558	6.32	-
44009	1.85	-	44440	30.80	-	46822	(a)	-	48600	37.20	-
44010	(a)	(a)	44500	(a)	-	46881	(a)	-	48610	(a)	-
44069	7.00	-	44501	(a)	-	46882	(a)	-	48636	1.01	(a)
44070	2.07	-	45190	2.35	-	46911	13.00	-	48637	5.56	-
44071	2.30	-	45191	1.67	-	46912	23.70	-	48638	2.76	-
44072	1.59	-	45192	1.95	-	46913	(a)	-	48727	(a)	-
44100	2.96	-	45193	1.15	-	46914	(a)	-	48808	.63	-
44101	3.08	-	45210	1.46	-	46915	(a)	-	48924	(a)	-
44102	2.40	-	45224	(a)	-	46916	(a)	-	48925	133.00	-
44103	2.13	-	45225	(a)	-	47050	.93	-	49005	.159	-
44104	.89	-	45334	32.90	-	47051	(a)	-	49111	.97	-
44105	(a)	-	45380	.148	(a)	47052	(a)	-	49181	13.20	-
44106	(a)	-	45450	9.67	-	47103	(a)	-	49183	16.10	-
44108	1.05	-	45523	(a)	-	47146	(a)	-	49184	34.00	-
44109	2.65	-	45524	(a)	-	47147	(a)	-	49185	30.90	-
44110	2.71	-	45539	(a)	-	47221	126.00	-	49239	.11	.46
44111	1.66	-	45678	.25	-	47253	(a)	-	49292	.97	-

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
49305	(a)	–	51240	.29	.196	51702	.096	(a)	51986	.143	.096
49333	7.09	–	51241	.88	.218	51703	.04	(a)	51999	.06	.40
49451	(a)	–	51250	.162	(a)	51734	.075	.35	52002	.053	.114
49452	(a)	–	51251	.025	(a)	51741	.153	.243	52075	.119	.222
49617	.125	.26	51252	.089	.074	51752	.129	.15	52076	.143	(a)
49618	.105	.092	51253	.076	(a)	51767	.021	.007	52109	.013	(a)
49619	.197	.166	51254	.024	.032	51777	.075	.077	52134	.178	.60
49763	1.28	–	51255	.41	(a)	51790	.124	(a)	52137	.047	(a)
49800	(a)	–	51300	.103	.147	51796	.056	(a)	52150	.33	(a)
49801	111.00	–	51305	.103	.88	51808	.199	.68	52315	.097	.27
49802	9.83	–	51315	.072	.096	51809	.247	.146	52341	.029	(a)
49803	17.40	–	51330	.062	.66	51833	.112	.054	52342	.085	(a)
49840	.96	–	51333	.02	.32	51850	.151	(a)	52343	.052	(a)
49870	55.60	–	51340	.024	(a)	51851	.102	(a)	52401	.16	(a)
49890	(a)	–	51350	.173	.127	51852	.24	(a)	52402	.013	(a)
49891	(a)	–	51351	.155	.049	51853	.096	(a)	52432	.066	(a)
49902	(a)	–	51352	.212	.101	51854	.216	(a)	52433	.061	.80
49903	(a)	–	51355	.145	.091	51855	.227	(a)	52435	.076	(a)
50010	.143	.38	51356	.156	.56	51856	.125	(a)	52438	.055	(a)
50011	.057	(a)	51357	.102	.76	51857	.213	(a)	52440	.086	(a)
50012	.053	(a)	51358	.245	.129	51869	.066	.136	52467	.08	(a)
50015	.093	(a)	51359	.215	.71	51877	.37	.191	52469	.028	.096
50017	.071	(a)	51370	.29	3.83	51889	.061	.011	52505	.139	.237
50018	.052	(a)	51380	.029	.041	51896	.029	.017	52547	.138	.07
50019	.038	(a)	51400	.146	(a)	51900	.084	.10	52581	.68	2.19
50045	.162	(a)	51401	.215	(a)	51909	.136	.053	52619	.048	(a)
50047	.018	(a)	51500	.054	.116	51919	.062	(a)	52660	.083	–
51001	.035	.42	51516	.07	–	51926	.063	.044	52744	.43	.066
51005	.007	(a)	51517	.079	–	51927	.034	.132	52767	.127	(a)
51116	.089	.69	51550	.067	.40	51934	.069	.107	52876	(a)	(a)
51201	.025	(a)	51551	.023	.89	51941	.062	.041	52911	.038	.42
51205	.075	.059	51552	.041	.152	51942	.10	–	52967	.014	.058
51206	.012	.32	51553	.072	(a)	51956	.27	.205	53001	.139	.30
51210	.061	(a)	51554	.007	(a)	51957	.238	.46	53077	.067	.219
51211	(a)	(a)	51575	.046	.021	51958	.211	.37	53095	.046	(a)
51220	.211	1.90	51576	.129	.097	51959	.216	(a)	53096	.064	(a)
51221	.117	1.76	51600	.088	.172	51960	.029	.33	53121	.182	.40
51222	.142	4.53	51613	.058	.139	51970	.124	.177	53147	.021	(a)
51224	.149	1.49	51625	.032	(a)	51982	.037	.077	53229	.12	(a)
51230	.025	.74	51666	.073	.089	51985	.065	–	53271	.034	(a)

\$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
53333	.118	.248	55715	.143	.203	56918	.048	(a)	58096	.127	1.49
53374	.113	.26	55716	.206	.49	56919	.122	(a)	58301	.038	.077
53375	.06	.27	55717	.161	(a)	56920	.111	(a)	58302	.034	.051
53376	.096	.183	55718	.156	(a)	56980	.071	(a)	58397	.199	.65
53377	.098	.188	55802	.075	.011	57001	.024	.026	58408	.055	–
53403	.062	(a)	55918	.082	2.26	57002	.016	.096	58409	.07	–
53425	.111	(a)	55919	.011	3.42	57090	.178	.68	58456	.037	–
53565	.072	.096	56040	.008	.03	57146	.113	.75	58457	.054	–
53631	.021	.021	56041	.051	(a)	57202	.063	(a)	58458	.07	–
53632	.024	.032	56042	.064	(a)	57257	.078	.034	58459	.084	–
53731	.022	(a)	56170	.109	(a)	57401	.044	.089	58503	.053	.077
53732	.152	.47	56171	.054	(a)	57403	.153	.033	58532	.068	(a)
53733	.099	.228	56202	.051	.078	57410	.021	.173	58559	.014	(a)
53734	.42	–	56390	.089	.70	57411	.027	(a)	58560	.034	(a)
53803	.27	(a)	56391	.076	.30	57572	.013	.099	58561	(a)	(a)
53901	(a)	(a)	56427	.123	.119	57600	.037	.033	58575	.043	.111
53902	(a)	(a)	56488	.124	.038	57611	.058	.055	58627	.139	.012
53903	(a)	(a)	56567	.113	(a)	57625	.33	(a)	58663	.25	.95
53904	(a)	(a)	56650	.35	(a)	57651	.04	.039	58682	.124	(a)
53905	(a)	(a)	56651	.188	(a)	57690	.076	.45	58713	.047	(a)
53907	.067	.086	56652	.134	(a)	57716	.036	.074	58737	.09	.55
53951	(a)	(a)	56653	.13	(a)	57725	.079	.075	58756	.047	(a)
53952	(a)	(a)	56654	.066	(a)	57726	.061	.023	58757	.30	(a)
53953	(a)	(a)	56690	.064	.33	57798	.02	(a)	58759	.037	(a)
54012	.042	–	56699	.056	.067	57800	.076	(a)	58802	.042	.48
54077	.091	.39	56758	.048	.14	57808	.03	(a)	58813	.115	(a)
54444	(a)	(a)	56759	.049	.078	57809	.031	(a)	58822	.117	(a)
55010	.28	.98	56760	.07	.099	57810	.03	.10	58837	.231	.161
55011	.074	1.75	56805	.093	(a)	57871	.036	.111	58840	.069	.121
55012	.089	1.11	56806	.066	(a)	57913	.098	.26	58873	.11	.027
55013	.10	1.12	56807	.065	(a)	57997	.093	–	58903	.027	(a)
55014	(a)	(a)	56808	.085	(a)	57998	.043	.054	58904	.021	.12
55214	.072	.083	56900	.082	(a)	57999	.05	.07	58922	.183	.179
55371	.29	.108	56910	.041	(a)	58009	.05	(a)	59005	.051	.089
55410	(a)	(a)	56911	.097	(a)	58010	.101	(a)	59057	.38	(a)
55426	.122	(a)	56912	.079	.084	58020	.164	(a)	59058	.243	(a)
55597	.018	1.68	56913	.064	(a)	58056	.12	(a)	59188	.33	.052
55647	.036	.065	56915	.38	(a)	58057	.076	(a)	59189	.45	.28
55648	.016	(a)	56916	.34	.215	58058	.068	(a)	59223	.114	.103
55649	.019	(a)	56917	.099	(a)	58095	.096	1.79	59257	.014	.012

\$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
59306	.086	(a)	59923	.01	.005	62003	9.84	-	91125	2.23	1.64
59378	.074	.141	59925	.221	1.19	63010	30.60	-	91127	1.02	1.33
59481	.231	.096	59926	.188	.46	63011	38.30	-	91130	.96	-
59482	.34	(a)	59927	.126	1.30	63012	54.40	-	91135	.27	(a)
59537	.08	.232	59931	.178	.48	63013	51.50	-	91150	.97	6.95
59601	.087	2.23	59932	.191	.80	63215	32.50	-	91155	2.15	52.00
59647	.151	.158	59941	.06	(a)	63216	22.60	-	91160	.90	-
59660	.16	1.06	59947	.051	.30	63217	25.30	-	91175	.77	-
59661	.078	(a)	59955	.023	.132	63218	8.53	-	91177	3.36	-
59693	.013	-	59963	.17	.37	63219	(a)	-	91179	3.38	-
59695	(a)	(a)	59964	.40	.066	63220	(a)	-	91190	1.81	(a)
59701	.006	.33	59970	.068	.169	64074	16.60	-	91200	.55	-
59713	.143	.33	59973	.11	(a)	64075	11.70	-	91210	(a)	-
59722	.074	.028	59975	.096	.19	64500	(a)	-	91235	1.18	2.78
59723	.028	.034	59977	.055	(a)	65007	19.80	-	91250	1.78	(a)
59724	.043	.015	59984	.03	.049	66122	8.52	-	91265	11.60	2.55
59725	.053	.145	59985	.117	(a)	66123	4.69	-	91266	6.17	1.38
59726	.039	.023	59986	.09	(a)	66309	13.70	-	91280	(a)	4.70
59738	.124	.059	59988	.024	.055	66561	31.70	-	91302	9.01	(a)
59750	.059	.181	59989	.016	.041	67017	29.40	-	91315	2.74	-
59751	.021	(a)	60010	17.00	-	67508	31.40	-	91324	6.10	(a)
59773	.019	.026	60011	19.60	-	67509	23.00	-	91325	(a)	(a)
59774	.016	.141	60012	32.10	-	67510	12.80	-	91340	3.98	10.90
59775	.02	.178	60013	27.60	-	67511	13.90	-	91341	3.86	6.30
59781	.052	.085	60015	20.60	-	67512	59.30	-	91342	3.65	4.70
59782	.077	.56	60016	23.10	-	67513	37.60	-	91343	.86	1.71
59783	.075	(a)	60035	22.30	-	67634	25.50	-	91405	4.64	-
59784	.058	(a)	61000	16.80	-	67635	18.00	-	91436	4.37	2.78
59790	.096	(a)	61212	11.40	-	68001	55.00	-	91481	15.90	-
59798	.196	.46	61216	12.70	-	68439	70.70	-	91507	2.35	4.03
59806	.14	(a)	61217	11.50	-	68500	3.74	-	91523	36.20	-
59867	.108	(a)	61218	7.87	-	68604	1.32	-	91547	.206	-
59886	.015	.10	61223	56.00	-	68606	5.17	-	91551	1.27	.80
59889	.063	.187	61224	17.80	-	68607	4.08	-	91555	.71	1.16
59892	.075	(a)	61225	24.70	-	68702	3.37	-	91560	3.41	5.02
59904	.051	.076	61226	41.60	-	68703	2.52	-	91562	2.85	-
59905	.067	.12	61227	38.10	-	68706	10.80	-	91577	10.10	4.21
59914	.40	.69	62000	8.67	-	68707	10.70	-	91580	4.50	-
59915	.169	.66	62001	6.84	-	90089	3.69	-	91581	(a)	(a)
59917	.031	.232	62002	3.13	-	91111	1.52	7.19	91582	(a)	(a)

\$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
91583	(a)	(a)	94444	(a)	(a)	97223	1.18	4.11	98308	.98	1.42
91584	(a)	(a)	94569	2.52	4.86	97308	.48	-	98309	4.09	2.99
91585	(a)	(a)	94590	10.80	-	97447	1.57	6.95	98344	.62	.80
91586	(a)	(a)	94617	3.42	-	97501	(a)	-	98405	1.02	-
91587	(a)	(a)	94638	(a)	-	97502	(a)	-	98413	12.30	(a)
91588	(a)	(a)	95124	1.26	1.34	97503	(a)	-	98414	11.20	(a)
91589	(a)	(a)	95233	2.71	-	97504	(a)	-	98415	1.48	(a)
91590	2.96	-	95305	2.94	-	97650	3.13	4.84	98423	3.53	(a)
91591	(a)	(a)	95306	3.75	-	97651	4.64	5.00	98424	5.99	(a)
91606	9.34	-	95310	7.01	1.66	97652	4.02	6.44	98425	2.46	(a)
91618	(a)	(a)	95357	.96	-	97653	2.68	3.59	98426	2.17	(a)
91629	1.91	(a)	95358	(a)	-	97654	4.67	3.35	98427	2.12	-
91636	3.27	-	95410	3.79	3.33	97655	3.58	5.54	98428	(a)	-
91641	.89	(a)	95455	3.95	1.97	98002	.65	1.13	98429	.86	-
91666	.80	(a)	95487	2.03	(a)	98003	.84	(a)	98430	(a)	-
91722	2.87	(a)	95505	1.84	2.93	98090	.112	-	98449	3.03	33.30
91746	2.85	6.68	95620	1.65	(a)	98091	.122	-	98482	3.25	9.41
91805	.178	-	95625	4.31	5.25	98092	.37	-	98483	4.81	25.60
92053	.44	.66	95630	(a)	(a)	98111	.30	-	98502	4.60	4.98
92054	.151	.224	95647	1.42	7.52	98150	(a)	-	98555	2.14	-
92055	4.22	.224	95648	(a)	(a)	98151	(a)	-	98597	.48	-
92101	6.60	3.77	96053	1.08	5.73	98152	2.18	.97	98598	.165	-
92102	3.97	4.79	96317	.99	-	98153	2.46	(a)	98601	5.51	(a)
92215	1.69	3.76	96408	3.28	16.90	98154	2.90	(a)	98622	(a)	-
92338	1.52	2.85	96409	3.03	12.80	98155	4.06	(a)	98623	(a)	-
92445	1.87	-	96410	2.67	11.60	98156	(a)	(a)	98624	.87	-
92446	5.01	1.92	96611	.92	1.77	98157	2.59	.45	98636	1.45	4.04
92447	4.38	2.07	96702	3.78	(a)	98158	(a)	(a)	98640	94.90	-
92451	1.18	2.66	96703	(a)	-	98159	1.74	(a)	98658	4.19	-
92453	2.78	-	96816	3.54	-	98160	3.68	(a)	98659	.75	.36
92478	1.37	2.07	96872	3.51	(a)	98161	4.13	(a)	98677	14.90	13.00
92593	15.50	-	96930	(a)	-	98162	(a)	(a)	98678	13.30	18.40
92663	.45	-	97002	(a)	(a)	98163	4.33	.204	98698	(a)	(a)
94007	9.41	7.01	97003	(a)	(a)	98164	1.00	.065	98699	4.33	(a)
94099	2.14	-	97047	2.78	-	98257	1.26	-	98705	5.93	-
94225	7.54	-	97050	2.16	-	98303	8.15	8.38	98710	3.00	-
94276	3.93	5.34	97111	4.54	-	98304	4.69	4.52	98751	3.17	-
94304	1.51	(a)	97220	.26	(a)	98305	2.23	2.64	98805	3.93	1.80
94381	2.84	18.60	97221	(a)	1.20	98306	5.73	1.09	98806	1.35	3.97
94404	3.72	7.51	97222	.79	1.93	98307	1.48	.52	98810	3.14	-

\$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
98813	3.03	2.31	99620	.41	–						
98820	7.50	4.25	99650	.64	1.22						
98871	(a)	(a)	99709	1.58	(a)						
98884	1.95	2.44	99718	1.20	–						
98914	.51	.54	99746	2.05	3.95						
98949	.72	.27	99760	.234	–						
98967	3.06	15.90	99777	5.44	–						
98993	2.78	4.18	99793	2.60	–						
99003	1.45	1.71	99798	(a)	(a)						
99004	2.52	2.00	99803	(a)	13.60						
99080	1.03	8.95	99826	.62	.73						
99081	(a)	–	99827	.37	.60						
99082	(a)	–	99851	1.51	–						
99083	(a)	–	99917	2.45	–						
99084	(a)	(a)	99938	2.75	–						
99085	(a)	(a)	99943	7.97	–						
99111	1.49	–	99946	5.93	3.26						
99160	(a)	–	99948	3.34	31.60						
99163	3.57	.42	99952	4.60	25.20						
99165	.79	(a)	99953	4.97	13.40						
99220	1.12	(a)	99954	3.61	11.10						
99221	(a)	(a)	99955	4.53	8.49						
99222	2.11	(a)	99963	.59	–						
99223	.22	(a)	99969	2.05	4.42						
99303	11.90	–	99975	4.02	–						
99310	2.99	(a)	99986	(a)	–						
99315	8.81	2.55	99987	(a)	–						
99321	8.55	2.89	99988	1.81	–						
99445	(a)	(a)									
99471	.51	–									
99505	2.35	–									
99506	2.89	–									
99507	2.52	–									
99570	1.35	(a)									
99571	.33	(a)									
99572	.64	(a)									
99573	.61	(a)									
99600	1.09	–									
99613	7.57	2.62									
99614	2.45	–									

\$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
10010	.097	.189	10150	.37	(a)	11204	.231	1.93	13111	.51	.092
10011	.023	(a)	10151	9.23	-	11205	(a)	-	13112	.03	.063
10012	.027	(a)	10160	1.64	-	11206	.43	-	13201	.49	.144
10015	4.09	-	10204	.166	-	11207	5.47	-	13204	.56	1.14
10020	(a)	(a)	10205	.185	-	11208	.94	-	13205	.213	.42
10025	.023	(a)	10210	.30	(a)	11209	4.41	-	13206	(a)	(a)
10026	.48	.023	10211	.30	(a)	11210	1.88	-	13207	(a)	(a)
10027	.023	(a)	10220	3.49	-	11211	9.75	-	13208	(a)	(a)
10036	.36	(a)	10255	.135	.151	11212	1.48	-	13314	.089	.014
10040	.074	.32	10256	.49	.183	11213	1.20	-	13351	.216	.08
10042	.27	.51	10257	.093	.148	11214	2.96	-	13352	.22	.051
10052	2.83	-	10309	.12	.018	11222	.05	-	13410	.78	2.35
10054	2.51	-	10315	.28	(a)	11234	.208	.071	13411	(a)	(a)
10060	.131	.106	10331	5.55	-	11248	.026	.016	13412	.26	1.21
10065	.197	.04	10332	9.57	-	11258	.55	.131	13453	.30	(a)
10066	.201	.072	10352	.27	.054	11259	.59	.103	13454	.35	(a)
10070	.056	.151	10367	2.51	-	11273	10.30	-	13455	.36	(a)
10071	.235	.153	10368	3.67	-	11274	9.91	-	13461	(a)	(a)
10072	2.84	-	10375	(a)	-	11288	.68	.084	13506	.68	.095
10073	.57	.52	10378	5.62	-	12014	.055	.043	13507	.82	.216
10075	4.21	.30	10379	2.61	-	12356	.88	.034	13590	.27	.67
10100	.46	.059	10380	4.45	-	12361	.035	.07	13621	.068	.33
10101	.177	.177	10381	3.85	-	12362	.061	(a)	13670	.02	.017
10105	1.92	-	11007	1.07	-	12373	.023	.023	13673	.42	.016
10107	1.73	.32	11020	.224	.193	12374	.46	.057	13715	.061	.145
10110	13.90	-	11039	.49	.074	12375	.224	.037	13716	.34	.142
10111	.121	.067	11052	2.47	-	12391	.046	.07	13720	.236	.052
10113	.27	-	11101	(a)	(a)	12393	.30	(a)	13759	.131	.16
10115	.53	.091	11120	(a)	-	12467	.123	(a)	13930	.13	.174
10117	4.06	-	11126	.046	.024	12509	.034	.031	14068	.029	.012
10119	(a)	-	11127	.31	.011	12510	.43	.029	14101	.34	.049
10120	9.11	-	11128	.42	.099	12583	.19	(a)	14279	.26	.085
10130	2.62	-	11138	1.39	-	12651	.56	.51	14401	.56	.105
10132	2.26	-	11155	.158	-	12683	.25	(a)	14405	.63	-
10133	2.37	-	11160	(a)	(a)	12707	.40	.56	14527	.248	.179
10135	(a)	-	11167	.57	-	12797	.084	.194	14655	.066	-
10140	.016	.022	11168	2.95	-	12805	.239	.189	14731	2.45	-
10141	.033	.023	11201	9.34	-	12841	.40	-	14732	.181	-
10145	.157	.007	11202	2.76	-	12927	.069	-	14733	.46	-
10146	.205	.015	11203	.72	.46	13049	.018	.051	14734	.197	-

DIVISION SIX

GENERAL LIABILITY

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
14855	.119	.133	16670	2.30	—	18501	.45	.011	40072	(a)	—
14913	.247	.215	16676	.22	.014	18506	.238	.006	40075	21.60	—
15060	(a)	(a)	16694	.224	(a)	18507	.139	.011	40101	12.80	—
15061	(a)	(a)	16705	.195	.131	18570	1.45	—	40102	11.30	—
15062	.107	(a)	16722	(a)	—	18575	(a)	(a)	40111	4.52	—
15063	.124	(a)	16723	(a)	—	18616	.181	.59	40115	(a)	—
15070	.084	—	16750	.077	.034	18707	.009	.005	40117	(a)	—
15119	(a)	—	16751	.077	—	18708	.085	.027	40140	(a)	—
15120	(a)	—	16819	.65	(a)	18833	.109	(a)	41001	.153	—
15123	2.37	—	16820	.50	(a)	18834	.22	.14	41210	(a)	—
15124	.83	—	16881	1.21	(a)	18911	.69	.024	41421	.34	—
15188	.188	(a)	16890	.076	(a)	18912	1.31	.043	41422	.181	—
15223	.023	.044	16891	.082	(a)	18920	.34	.023	41510	34.90	—
15224	.25	.058	16892	.15	(a)	18991	(a)	—	41603	16.10	—
15300	(a)	—	16900	1.37	.092	19007	.93	—	41604	8.84	—
15314	.158	(a)	16901	.88	.105	19051	2.05	—	41620	.78	—
15404	.049	(a)	16902	.75	.044	19061	(a)	—	41650	22.70	—
15405	.072	(a)	16905	1.44	.092	19795	.228	(a)	41664	19.30	—
15406	.182	.053	16906	.92	.105	19796	.27	—	41665	2.26	—
15488	.46	(a)	16910	.82	.058	40005	(a)	—	41666	(a)	—
15538	.28	.019	16911	.75	.054	40006	(a)	—	41667	52.80	—
15600	.71	.128	16915	.85	.049	40010	(a)	—	41668	49.50	—
15607	.11	—	16916	.70	.055	40015	(a)	—	41669	.35	—
15608	.158	.011	16920	1.87	.108	40020	(a)	—	41670	.58	—
15656	4.67	—	16921	1.71	.038	40026	(a)	—	41672	(a)	—
15699	.27	—	16930	1.08	.162	40031	(a)	—	41673	(a)	—
15733	.119	.034	16931	1.16	.076	40032	(a)	—	41675	(a)	—
15839	.212	.033	16940	2.34	.039	40040	(a)	—	41677	.161	—
15991	.174	.097	16941	.94	.077	40041	(a)	—	41678	48.30	—
15993	.147	.066	18078	.11	.138	40042	(a)	—	41679	(a)	(a)
16005	.032	.031	18109	.29	.034	40045	127.00	—	41680	11.80	—
16009	.146	.106	18110	.231	.05	40046	25.20	—	41696	.51	—
16402	1.05	—	18200	(a)	—	40047	8.99	—	41697	.36	—
16403	.66	.24	18205	.17	.38	40059	3.22	—	41700	(a)	—
16404	.84	—	18206	.37	.143	40061	1.71	—	41715	7.48	—
16471	.155	—	18335	.27	.02	40063	57.10	—	41716	4.76	—
16501	.068	(a)	18435	.49	.069	40064	16.80	—	43007	(a)	—
16527	.105	.32	18436	.39	.14	40066	(a)	—	43117	(a)	—
16588	.068	(a)	18437	.39	(a)	40067	(a)	—	43151	10.70	—
16604	.113	.122	18438	.74	(a)	40069	(a)	—	43152	14.50	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502											
Products/Completed Operations (Prod/Cops)						(Subline Code 336) Entire State Territory 999					
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43200	40.90	-	44112	1.19	-	45771	.212	.139	47254	(a)	-
43215	(a)	-	44113	(a)	-	45819	.069	.069	47318	5.38	-
43421	11.20	-	44193	(a)	-	45900	.081	.036	47367	.161	-
43422	58.80	-	44194	(a)	-	45901	.069	.045	47420	1.18	-
43424	(a)	-	44222	(a)	-	45937	.092	-	47468	(a)	-
43470	2.98	-	44276	54.90	-	45993	(a)	(a)	47469	3.40	-
43517	(a)	-	44277	35.60	-	46004	21.50	-	47471	2.95	-
43518	8.28	-	44280	.161	-	46005	17.20	-	47473	3.86	-
43550	40.00	-	44311	4.27	-	46112	.05	-	47474	4.31	-
43551	22.20	-	44315	2.87	-	46202	1.66	-	47475	3.40	-
43626	6.61	-	44427	46.10	-	46362	169.00	-	47476	3.40	-
43628	86.00	-	44428	46.40	-	46426	24.70	-	47477	4.54	-
43629	72.80	-	44429	.70	-	46427	32.90	-	47478	4.76	-
43754	(a)	-	44430	.48	-	46510	(a)	-	47600	(a)	-
43760	2.43	-	44431	1.54	-	46590	(a)	-	47610	(a)	-
43822	2.36	-	44432	.49	-	46603	2.07	-	48039	29.00	-
43840	.029	-	44433	15.60	-	46604	2.39	-	48177	(a)	-
43860	1.86	-	44434	29.80	-	46606	6.36	-	48178	(a)	-
43889	.67	-	44435	30.90	-	46607	8.75	-	48206	17.50	-
43945	(a)	-	44436	36.10	-	46622	6.92	-	48252	(a)	-
43946	(a)	-	44437	29.90	-	46671	(a)	-	48441	.073	-
43990	(a)	(a)	44438	23.60	-	46700	82.30	-	48557	7.35	-
43991	(a)	-	44439	46.00	-	46773	(a)	-	48558	6.39	-
44009	2.88	-	44440	38.00	-	46822	(a)	-	48600	49.30	-
44010	(a)	(a)	44500	(a)	-	46881	(a)	-	48610	(a)	-
44069	7.07	-	44501	(a)	-	46882	(a)	-	48636	.99	(a)
44070	2.09	-	45190	1.31	-	46911	13.10	-	48637	5.62	-
44071	2.33	-	45191	.93	-	46912	24.00	-	48638	2.79	-
44072	1.61	-	45192	1.09	-	46913	(a)	-	48727	(a)	-
44100	3.57	-	45193	.64	-	46914	(a)	-	48808	1.20	-
44101	3.72	-	45210	.81	-	46915	(a)	-	48924	(a)	-
44102	2.90	-	45224	(a)	-	46916	(a)	-	48925	134.00	-
44103	2.57	-	45225	(a)	-	47050	.65	-	49005	.11	-
44104	1.08	-	45334	23.60	-	47051	(a)	-	49111	1.83	-
44105	(a)	-	45380	.139	(a)	47052	(a)	-	49181	9.48	-
44106	(a)	-	45450	6.94	-	47103	(a)	-	49183	11.60	-
44108	1.26	-	45523	(a)	-	47146	(a)	-	49184	24.40	-
44109	3.20	-	45524	(a)	-	47147	(a)	-	49185	22.20	-
44110	3.27	-	45539	(a)	-	47221	90.30	-	49239	.104	.46
44111	2.01	-	45678	.175	-	47253	(a)	-	49292	.69	-

\$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
49305	(a)	—	51240	.27	.196	51702	.093	(a)	51986	.134	.096
49333	5.09	—	51241	.82	.218	51703	.039	(a)	51999	.056	.40
49451	(a)	—	51250	.157	(a)	51734	.073	.35	52002	.049	.114
49452	(a)	—	51251	.024	(a)	51741	.143	.243	52075	.115	.222
49617	.195	.26	51252	.083	.074	51752	.121	.15	52076	.139	(a)
49618	.164	.092	51253	.071	(a)	51767	.019	.007	52109	.012	(a)
49619	.31	.166	51254	.022	.032	51777	.067	.077	52134	.165	.60
49763	2.00	—	51255	.40	(a)	51790	.111	(a)	52137	.045	(a)
49800	(a)	—	51300	.092	.147	51796	.052	(a)	52150	.30	(a)
49801	79.50	—	51305	.092	.88	51808	.185	.68	52315	.087	.27
49802	7.05	—	51315	.068	.096	51809	.23	.146	52341	.028	(a)
49803	12.50	—	51330	.06	.66	51833	.10	.054	52342	.082	(a)
49840	.67	—	51333	.02	.32	51850	.146	(a)	52343	.05	(a)
49870	56.20	—	51340	.023	(a)	51851	.099	(a)	52401	.155	(a)
49890	(a)	—	51350	.154	.127	51852	.232	(a)	52402	.012	(a)
49891	(a)	—	51351	.138	.049	51853	.093	(a)	52432	.062	(a)
49902	(a)	—	51352	.19	.101	51854	.21	(a)	52433	.057	.80
49903	(a)	—	51355	.129	.091	51855	.22	(a)	52435	.071	(a)
50010	.134	.38	51356	.139	.56	51856	.121	(a)	52438	.051	(a)
50011	.055	(a)	51357	.096	.76	51857	.207	(a)	52440	.08	(a)
50012	.049	(a)	51358	.231	.129	51869	.061	.136	52467	.074	(a)
50015	.087	(a)	51359	.203	.71	51877	.35	.191	52469	.026	.096
50017	.066	(a)	51370	.27	3.83	51889	.057	.011	52505	.13	.237
50018	.05	(a)	51380	.027	.041	51896	.027	.017	52547	.134	.07
50019	.035	(a)	51400	.142	(a)	51900	.075	.10	52581	.63	2.19
50045	.151	(a)	51401	.209	(a)	51909	.132	.053	52619	.044	(a)
50047	.017	(a)	51500	.051	.116	51919	.057	(a)	52660	.058	—
51001	.034	.42	51516	.049	—	51926	.058	.044	52744	.38	.066
51005	.007	(a)	51517	.055	—	51927	.032	.132	52767	.123	(a)
51116	.086	.69	51550	.063	.40	51934	.064	.107	52876	(a)	(a)
51201	.023	(a)	51551	.022	.89	51941	.058	.041	52911	.035	.42
51205	.07	.059	51552	.038	.152	51942	.093	—	52967	.013	.058
51206	.011	.32	51553	.067	(a)	51956	.25	.205	53001	.13	.30
51210	.059	(a)	51554	.006	(a)	51957	.221	.46	53077	.062	.219
51211	(a)	(a)	51575	.041	.021	51958	.197	.37	53095	.043	(a)
51220	.204	1.90	51576	.121	.097	51959	.201	(a)	53096	.059	(a)
51221	.113	1.76	51600	.082	.172	51960	.027	.33	53121	.169	.40
51222	.138	4.53	51613	.054	.139	51970	.116	.177	53147	.021	(a)
51224	.144	1.49	51625	.031	(a)	51982	.034	.077	53229	.116	(a)
51230	.025	.74	51666	.066	.089	51985	.045	—	53271	.032	(a)

\$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
53333	.114	.248	55715	.133	.203	56918	.046	(a)	58096	.118	1.49
53374	.101	.26	55716	.192	.49	56919	.118	(a)	58301	.037	.077
53375	.053	.27	55717	.156	(a)	56920	.108	(a)	58302	.032	.051
53376	.086	.183	55718	.151	(a)	56980	.066	(a)	58397	.185	.65
53377	.088	.188	55802	.067	.011	57001	.023	.026	58408	.038	–
53403	.055	(a)	55918	.076	2.26	57002	.015	.096	58409	.049	–
53425	.108	(a)	55919	.01	3.42	57090	.173	.68	58456	.026	–
53565	.065	.096	56040	.007	.03	57146	.11	.75	58457	.038	–
53631	.02	.021	56041	.047	(a)	57202	.058	(a)	58458	.049	–
53632	.023	.032	56042	.059	(a)	57257	.072	.034	58459	.058	–
53731	.021	(a)	56170	.106	(a)	57401	.041	.089	58503	.049	.077
53732	.141	.47	56171	.052	(a)	57403	.136	.033	58532	.064	(a)
53733	.092	.228	56202	.047	.078	57410	.02	.173	58559	.013	(a)
53734	.29	–	56390	.083	.70	57411	.026	(a)	58560	.031	(a)
53803	.26	(a)	56391	.071	.30	57572	.012	.099	58561	(a)	(a)
53901	(a)	(a)	56427	.114	.119	57600	.035	.033	58575	.04	.111
53902	(a)	(a)	56488	.111	.038	57611	.057	.055	58627	.13	.012
53903	(a)	(a)	56567	.11	(a)	57625	.31	(a)	58663	.243	.95
53904	(a)	(a)	56650	.34	(a)	57651	.037	.039	58682	.115	(a)
53905	(a)	(a)	56651	.182	(a)	57690	.074	.45	58713	.042	(a)
53907	.062	.086	56652	.13	(a)	57716	.035	.074	58737	.084	.55
53951	(a)	(a)	56653	.126	(a)	57725	.076	.075	58756	.045	(a)
53952	(a)	(a)	56654	.064	(a)	57726	.059	.023	58757	.28	(a)
53953	(a)	(a)	56690	.058	.33	57798	.019	(a)	58759	.035	(a)
54012	.029	–	56699	.053	.067	57800	.07	(a)	58802	.04	.48
54077	.085	.39	56758	.045	.14	57808	.029	(a)	58813	.111	(a)
54444	(a)	(a)	56759	.046	.078	57809	.03	(a)	58822	.109	(a)
55010	.26	.98	56760	.066	.099	57810	.029	.10	58837	.224	.161
55011	.069	1.75	56805	.086	(a)	57871	.035	.111	58840	.067	.121
55012	.083	1.11	56806	.061	(a)	57913	.091	.26	58873	.107	.027
55013	.097	1.12	56807	.061	(a)	57997	.065	–	58903	.025	(a)
55014	(a)	(a)	56808	.079	(a)	57998	.04	.054	58904	.019	.12
55214	.067	.083	56900	.076	(a)	57999	.048	.07	58922	.177	.179
55371	.26	.108	56910	.038	(a)	58009	.048	(a)	59005	.047	.089
55410	(a)	(a)	56911	.094	(a)	58010	.094	(a)	59057	.35	(a)
55426	.118	(a)	56912	.076	.084	58020	.146	(a)	59058	.227	(a)
55597	.017	1.68	56913	.062	(a)	58056	.112	(a)	59188	.29	.052
55647	.033	.065	56915	.37	(a)	58057	.07	(a)	59189	.40	.28
55648	.015	(a)	56916	.33	.215	58058	.063	(a)	59223	.11	.103
55649	.018	(a)	56917	.096	(a)	58095	.089	1.79	59257	.013	.012

\$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
59306	.08	(a)	59923	.009	.005	62003	13.00	-	91125	2.23	1.64
59378	.072	.141	59925	.208	1.19	63010	28.30	-	91127	1.02	1.33
59481	.215	.096	59926	.177	.46	63011	35.30	-	91130	.96	-
59482	.30	(a)	59927	.119	1.30	63012	50.20	-	91135	.27	(a)
59537	.077	.232	59931	.165	.48	63013	47.60	-	91150	.97	6.95
59601	.081	2.23	59932	.178	.80	63215	43.10	-	91155	2.15	52.00
59647	.135	.158	59941	.056	(a)	63216	29.90	-	91160	.90	-
59660	.149	1.06	59947	.049	.30	63217	25.60	-	91175	.77	-
59661	.073	(a)	59955	.021	.132	63218	8.63	-	91177	3.36	-
59693	.012	-	59963	.158	.37	63219	(a)	-	91179	3.38	-
59695	(a)	(a)	59964	.37	.066	63220	(a)	-	91190	1.81	(a)
59701	.006	.33	59970	.066	.169	64074	9.24	-	91200	.55	-
59713	.133	.33	59973	.102	(a)	64075	6.51	-	91210	(a)	-
59722	.069	.028	59975	.093	.19	64500	(a)	-	91235	1.18	2.78
59723	.026	.034	59977	.053	(a)	65007	26.20	-	91250	1.78	(a)
59724	.04	.015	59984	.028	.049	66122	11.30	-	91265	11.60	2.55
59725	.05	.145	59985	.109	(a)	66123	6.21	-	91266	6.17	1.38
59726	.036	.023	59986	.083	(a)	66309	18.10	-	91280	(a)	4.70
59738	.115	.059	59988	.024	.055	66561	42.00	-	91302	9.01	(a)
59750	.058	.181	59989	.015	.041	67017	39.00	-	91315	2.74	-
59751	.021	(a)	60010	15.70	-	67508	27.20	-	91324	6.10	(a)
59773	.017	.026	60011	18.10	-	67509	20.00	-	91325	(a)	(a)
59774	.014	.141	60012	29.70	-	67510	11.10	-	91340	3.98	10.90
59775	.018	.178	60013	25.40	-	67511	12.00	-	91341	3.86	6.30
59781	.05	.085	60015	19.00	-	67512	51.50	-	91342	3.65	4.70
59782	.075	.56	60016	21.40	-	67513	32.70	-	91343	.86	1.71
59783	.073	(a)	60035	29.60	-	67634	33.70	-	91405	4.64	-
59784	.056	(a)	61000	15.50	-	67635	23.90	-	91436	4.37	2.78
59790	.089	(a)	61212	15.10	-	68001	72.80	-	91481	15.90	-
59798	.19	.46	61216	16.80	-	68439	93.70	-	91507	2.35	4.03
59806	.136	(a)	61217	15.30	-	68500	3.45	-	91523	36.20	-
59867	.10	(a)	61218	10.40	-	68604	1.75	-	91547	.206	-
59886	.014	.10	61223	74.10	-	68606	6.84	-	91551	1.27	.80
59889	.057	.187	61224	23.60	-	68607	5.41	-	91555	.71	1.16
59892	.073	(a)	61225	32.80	-	68702	4.46	-	91560	3.41	5.02
59904	.049	.076	61226	55.10	-	68703	3.34	-	91562	2.85	-
59905	.063	.12	61227	50.50	-	68706	14.30	-	91577	10.10	4.21
59914	.37	.69	62000	11.50	-	68707	14.20	-	91580	4.50	-
59915	.163	.66	62001	9.06	-	90089	3.69	-	91581	(a)	(a)
59917	.03	.232	62002	4.14	-	91111	1.52	7.19	91582	(a)	(a)

\$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
91583	(a)	(a)	94444	(a)	(a)	97223	1.18	4.11	98308	.98	1.42
91584	(a)	(a)	94569	2.52	4.86	97308	.48	—	98309	4.09	2.99
91585	(a)	(a)	94590	10.80	—	97447	1.57	6.95	98344	.62	.80
91586	(a)	(a)	94617	3.42	—	97501	(a)	—	98405	1.02	—
91587	(a)	(a)	94638	(a)	—	97502	(a)	—	98413	12.30	(a)
91588	(a)	(a)	95124	1.26	1.34	97503	(a)	—	98414	11.20	(a)
91589	(a)	(a)	95233	2.71	—	97504	(a)	—	98415	1.48	(a)
91590	2.96	—	95305	2.94	—	97650	3.13	4.84	98423	3.53	(a)
91591	(a)	(a)	95306	3.75	—	97651	4.64	5.00	98424	5.99	(a)
91606	9.34	—	95310	7.01	1.66	97652	4.02	6.44	98425	2.46	(a)
91618	(a)	(a)	95357	.96	—	97653	2.68	3.59	98426	2.17	(a)
91629	1.91	(a)	95358	(a)	—	97654	4.67	3.35	98427	2.12	—
91636	3.27	—	95410	3.79	3.33	97655	3.58	5.54	98428	(a)	—
91641	.89	(a)	95455	3.95	1.97	98002	.65	1.13	98429	.86	—
91666	.80	(a)	95487	2.03	(a)	98003	.84	(a)	98430	(a)	—
91722	2.87	(a)	95505	1.84	2.93	98090	.112	—	98449	3.03	33.30
91746	2.85	6.68	95620	1.65	(a)	98091	.122	—	98482	3.25	9.41
91805	.178	—	95625	4.31	5.25	98092	.37	—	98483	4.81	25.60
92053	.44	.66	95630	(a)	(a)	98111	.30	—	98502	4.60	4.98
92054	.151	.224	95647	1.42	7.52	98150	(a)	—	98555	2.14	—
92055	4.22	.224	95648	(a)	(a)	98151	(a)	—	98597	.48	—
92101	6.60	3.77	96053	1.08	5.73	98152	2.18	.97	98598	.165	—
92102	3.97	4.79	96317	.99	—	98153	2.46	(a)	98601	5.51	(a)
92215	1.69	3.76	96408	3.28	16.90	98154	2.90	(a)	98622	(a)	—
92338	1.52	2.85	96409	3.03	12.80	98155	4.06	(a)	98623	(a)	—
92445	1.87	—	96410	2.67	11.60	98156	(a)	(a)	98624	.87	—
92446	5.01	1.92	96611	.92	1.77	98157	2.59	.45	98636	1.45	4.04
92447	4.38	2.07	96702	3.78	(a)	98158	(a)	(a)	98640	94.90	—
92451	1.18	2.66	96703	(a)	—	98159	1.74	(a)	98658	4.19	—
92453	2.78	—	96816	3.54	—	98160	3.68	(a)	98659	.75	.36
92478	1.37	2.07	96872	3.51	(a)	98161	4.13	(a)	98677	14.90	13.00
92593	15.50	—	96930	(a)	—	98162	(a)	(a)	98678	13.30	18.40
92663	.45	—	97002	(a)	(a)	98163	4.33	.204	98698	(a)	(a)
94007	9.41	7.01	97003	(a)	(a)	98164	1.00	.065	98699	4.33	(a)
94099	2.14	—	97047	2.78	—	98257	1.26	—	98705	5.93	—
94225	7.54	—	97050	2.16	—	98303	8.15	8.38	98710	3.00	—
94276	3.93	5.34	97111	4.54	—	98304	4.69	4.52	98751	3.17	—
94304	1.51	(a)	97220	.26	(a)	98305	2.23	2.64	98805	3.93	1.80
94381	2.84	18.60	97221	(a)	1.20	98306	5.73	1.09	98806	1.35	3.97
94404	3.72	7.51	97222	.79	1.93	98307	1.48	.52	98810	3.14	—

\$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
98813	3.03	2.31	99620	.41	–						
98820	7.50	4.25	99650	.64	1.22						
98871	(a)	(a)	99709	1.58	(a)						
98884	1.95	2.44	99718	1.20	–						
98914	.51	.54	99746	2.05	3.95						
98949	.72	.27	99760	.234	–						
98967	3.06	15.90	99777	5.44	–						
98993	2.78	4.18	99793	2.60	–						
99003	1.45	1.71	99798	(a)	(a)						
99004	2.52	2.00	99803	(a)	13.60						
99080	1.03	8.95	99826	.62	.73						
99081	(a)	–	99827	.37	.60						
99082	(a)	–	99851	1.51	–						
99083	(a)	–	99917	2.45	–						
99084	(a)	(a)	99938	2.75	–						
99085	(a)	(a)	99943	7.97	–						
99111	1.49	–	99946	5.93	3.26						
99160	(a)	–	99948	3.34	31.60						
99163	3.57	.42	99952	4.60	25.20						
99165	.79	(a)	99953	4.97	13.40						
99220	1.12	(a)	99954	3.61	11.10						
99221	(a)	(a)	99955	4.53	8.49						
99222	2.11	(a)	99963	.59	–						
99223	.22	(a)	99969	2.05	4.42						
99303	11.90	–	99975	4.02	–						
99310	2.99	(a)	99986	(a)	–						
99315	8.81	2.55	99987	(a)	–						
99321	8.55	2.89	99988	1.81	–						
99445	(a)	(a)									
99471	.51	–									
99505	2.35	–									
99506	2.89	–									
99507	2.52	–									
99570	1.35	(a)									
99571	.33	(a)									
99572	.64	(a)									
99573	.61	(a)									
99600	1.09	–									
99613	7.57	2.62									
99614	2.45	–									

\$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
10010	.063	.189	10150	.236	(a)	11204	.149	1.93	13111	.46	.092
10011	.015	(a)	10151	5.94	-	11205	(a)	-	13112	.036	.063
10012	.017	(a)	10160	1.06	-	11206	.38	-	13201	.57	.144
10015	5.13	-	10204	.107	-	11207	4.74	-	13204	.65	1.14
10020	(a)	(a)	10205	.119	-	11208	.81	-	13205	.248	.42
10025	.015	(a)	10210	.191	(a)	11209	3.82	-	13206	(a)	(a)
10026	.31	.023	10211	.191	(a)	11210	1.63	-	13207	(a)	(a)
10027	.015	(a)	10220	2.25	-	11211	8.45	-	13208	(a)	(a)
10036	.42	(a)	10255	.157	.151	11212	1.28	-	13314	.057	.014
10040	.048	.32	10256	.57	.183	11213	1.04	-	13351	.139	.08
10042	.176	.51	10257	.108	.148	11214	2.57	-	13352	.142	.051
10052	3.55	-	10309	.077	.018	11222	.043	-	13410	.90	2.35
10054	3.15	-	10315	.181	(a)	11234	.134	.071	13411	(a)	(a)
10060	.084	.106	10331	6.95	-	11248	.03	.016	13412	.30	1.21
10065	.127	.04	10332	12.00	-	11258	.50	.131	13453	.35	(a)
10066	.129	.072	10352	.242	.054	11259	.54	.103	13454	.41	(a)
10070	.036	.151	10367	2.17	-	11273	6.65	-	13455	.42	(a)
10071	.152	.153	10368	3.18	-	11274	6.38	-	13461	(a)	(a)
10072	2.46	-	10375	(a)	-	11288	.61	.084	13506	.44	.095
10073	.66	.52	10378	7.04	-	12014	.064	.043	13507	.53	.216
10075	4.89	.30	10379	3.27	-	12356	.56	.034	13590	.31	.67
10100	.42	.059	10380	5.58	-	12361	.042	.07	13621	.079	.33
10101	.114	.177	10381	4.83	-	12362	.04	(a)	13670	.024	.017
10105	1.24	-	11007	.92	-	12373	.015	.023	13673	.38	.016
10107	2.02	.32	11020	.144	.193	12374	.29	.057	13715	.04	.145
10110	17.40	-	11039	.57	.074	12375	.144	.037	13716	.216	.142
10111	.079	.067	11052	2.41	-	12391	.03	.07	13720	.214	.052
10113	.171	-	11101	(a)	(a)	12393	.191	(a)	13759	.084	.16
10115	.34	.091	11120	(a)	-	12467	.08	(a)	13930	.085	.174
10117	5.09	-	11126	.03	.024	12509	.039	.031	14068	.019	.012
10119	(a)	-	11127	.201	.011	12510	.50	.029	14101	.219	.049
10120	11.40	-	11128	.27	.099	12583	.221	(a)	14279	.30	.085
10130	1.69	-	11138	1.74	-	12651	.65	.51	14401	.50	.105
10132	1.45	-	11155	.102	-	12683	.30	(a)	14405	.54	-
10133	2.32	-	11160	(a)	(a)	12707	.26	.56	14527	.162	.179
10135	(a)	-	11167	.56	-	12797	.055	.194	14655	.042	-
10140	.02	.022	11168	2.89	-	12805	.154	.189	14731	2.40	-
10141	.039	.023	11201	8.09	-	12841	.26	-	14732	.177	-
10145	.188	.007	11202	2.39	-	12927	.045	-	14733	.30	-
10146	.186	.015	11203	.47	.46	13049	.022	.051	14734	.127	-

\$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
14855	.138	.133	16670	2.89	-	18501	.40	.011	40072	(a)	-
14913	.159	.215	16676	.142	.014	18506	.28	.006	40075	18.30	-
15060	(a)	(a)	16694	.26	(a)	18507	.089	.011	40101	30.20	-
15061	(a)	(a)	16705	.127	.131	18570	.93	-	40102	26.70	-
15062	.124	(a)	16722	(a)	-	18575	(a)	(a)	40111	5.67	-
15063	.144	(a)	16723	(a)	-	18616	.21	.59	40115	(a)	-
15070	.073	-	16750	.05	.034	18707	.006	.005	40117	(a)	-
15119	(a)	-	16751	.05	-	18708	.055	.027	40140	(a)	-
15120	(a)	-	16819	.75	(a)	18833	.071	(a)	41001	.191	-
15123	2.32	-	16820	.58	(a)	18834	.142	.14	41210	(a)	-
15124	.81	-	16881	.78	(a)	18911	.45	.024	41421	.41	-
15188	.218	(a)	16890	.088	(a)	18912	.84	.043	41422	.216	-
15223	.028	.044	16891	.096	(a)	18920	.219	.023	41510	22.50	-
15224	.226	.058	16892	.174	(a)	18991	(a)	-	41603	19.20	-
15300	(a)	-	16900	1.29	.092	19007	.91	-	41604	10.50	-
15314	.102	(a)	16901	.83	.105	19051	2.01	-	41620	.68	-
15404	.057	(a)	16902	.70	.044	19061	(a)	-	41650	27.00	-
15405	.083	(a)	16905	1.36	.092	19795	.147	(a)	41664	24.20	-
15406	.212	.053	16906	.87	.105	19796	.171	-	41665	2.83	-
15488	.53	(a)	16910	.78	.058	40005	(a)	-	41666	(a)	-
15538	.181	.019	16911	.70	.054	40006	(a)	-	41667	66.10	-
15600	.46	.128	16915	.80	.049	40010	(a)	-	41668	62.00	-
15607	.095	-	16916	.66	.055	40015	(a)	-	41669	.43	-
15608	.102	.011	16920	1.77	.108	40020	(a)	-	41670	.73	-
15656	3.01	-	16921	1.61	.038	40026	(a)	-	41672	(a)	-
15699	.235	-	16930	1.02	.162	40031	(a)	-	41673	(a)	-
15733	.138	.034	16931	1.10	.076	40032	(a)	-	41675	(a)	-
15839	.137	.033	16940	2.20	.039	40040	(a)	-	41677	.139	-
15991	.112	.097	16941	.88	.077	40041	(a)	-	41678	55.60	-
15993	.094	.066	18078	.072	.138	40042	(a)	-	41679	(a)	(a)
16005	.021	.031	18109	.186	.034	40045	160.00	-	41680	14.10	-
16009	.17	.106	18110	.149	.05	40046	31.60	-	41696	.44	-
16402	.68	-	18200	(a)	-	40047	11.30	-	41697	.31	-
16403	.43	.24	18205	.111	.38	40059	4.03	-	41700	(a)	-
16404	.54	-	18206	.241	.143	40061	2.14	-	41715	8.93	-
16471	.135	-	18335	.174	.02	40063	71.50	-	41716	5.68	-
16501	.045	(a)	18435	.44	.069	40064	21.00	-	43007	(a)	-
16527	.068	.32	18436	.35	.14	40066	(a)	-	43117	(a)	-
16588	.079	(a)	18437	.248	(a)	40067	(a)	-	43151	9.11	-
16604	.132	.122	18438	.48	(a)	40069	(a)	-	43152	16.70	-

\$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
43200	34.70	-	44112	1.34	-	45771	.247	.139	47254	(a)	-
43215	(a)	-	44113	(a)	-	45819	.08	.069	47318	6.74	-
43421	9.51	-	44193	(a)	-	45900	.052	.036	47367	.139	-
43422	49.90	-	44194	(a)	-	45901	.045	.045	47420	1.48	-
43424	(a)	-	44222	(a)	-	45937	.078	-	47468	(a)	-
43470	2.58	-	44276	46.60	-	45993	(a)	(a)	47469	4.06	-
43517	(a)	-	44277	30.20	-	46004	25.70	-	47471	3.52	-
43518	10.40	-	44280	.139	-	46005	20.60	-	47473	4.60	-
43550	33.90	-	44311	5.35	-	46112	.119	-	47474	5.14	-
43551	18.80	-	44315	3.60	-	46202	2.39	-	47475	4.06	-
43626	8.29	-	44427	109.00	-	46362	194.00	-	47476	4.06	-
43628	108.00	-	44428	110.00	-	46426	28.40	-	47477	5.41	-
43629	91.30	-	44429	1.65	-	46427	37.90	-	47478	5.68	-
43754	(a)	-	44430	1.14	-	46510	(a)	-	47600	(a)	-
43760	3.04	-	44431	3.66	-	46590	(a)	-	47610	(a)	-
43822	2.04	-	44432	1.16	-	46603	2.38	-	48039	24.60	-
43840	.025	-	44433	36.90	-	46604	2.75	-	48177	(a)	-
43860	1.61	-	44434	70.60	-	46606	7.32	-	48178	(a)	-
43889	.58	-	44435	73.10	-	46607	10.10	-	48206	21.90	-
43945	(a)	-	44436	85.40	-	46622	5.99	-	48252	(a)	-
43946	(a)	-	44437	70.80	-	46671	(a)	-	48441	.092	-
43990	(a)	(a)	44438	55.90	-	46700	69.80	-	48557	9.21	-
43991	(a)	-	44439	109.00	-	46773	(a)	-	48558	8.01	-
44009	2.82	-	44440	90.10	-	46822	(a)	-	48600	56.70	-
44010	(a)	(a)	44500	(a)	-	46881	(a)	-	48610	(a)	-
44069	8.86	-	44501	(a)	-	46882	(a)	-	48636	.83	(a)
44070	2.62	-	45190	1.88	-	46911	16.40	-	48637	7.04	-
44071	2.92	-	45191	1.34	-	46912	30.00	-	48638	3.49	-
44072	2.02	-	45192	1.56	-	46913	(a)	-	48727	(a)	-
44100	4.02	-	45193	.92	-	46914	(a)	-	48808	.77	-
44101	4.19	-	45210	1.17	-	46915	(a)	-	48924	(a)	-
44102	3.27	-	45224	(a)	-	46916	(a)	-	48925	168.00	-
44103	2.89	-	45225	(a)	-	47050	.56	-	49005	.095	-
44104	1.22	-	45334	20.00	-	47051	(a)	-	49111	1.18	-
44105	(a)	-	45380	.162	(a)	47052	(a)	-	49181	8.04	-
44106	(a)	-	45450	5.88	-	47103	(a)	-	49183	9.80	-
44108	1.42	-	45523	(a)	-	47146	(a)	-	49184	20.70	-
44109	3.60	-	45524	(a)	-	47147	(a)	-	49185	18.80	-
44110	3.69	-	45539	(a)	-	47221	76.50	-	49239	.121	.46
44111	2.26	-	45678	.151	-	47253	(a)	-	49292	.59	-

\$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
49305	(a)	—	51240	.151	.196	51702	.079	(a)	51986	.073	.096
49333	4.31	—	51241	.45	.218	51703	.033	(a)	51999	.031	.40
49451	(a)	—	51250	.132	(a)	51734	.061	.35	52002	.027	.114
49452	(a)	—	51251	.013	(a)	51741	.079	.243	52075	.097	.222
49617	.191	.26	51252	.046	.074	51752	.066	.15	52076	.117	(a)
49618	.16	.092	51253	.039	(a)	51767	.012	.007	52109	.007	(a)
49619	.30	.166	51254	.012	.032	51777	.041	.077	52134	.091	.60
49763	1.96	—	51255	.33	(a)	51790	.068	(a)	52137	.038	(a)
49800	(a)	—	51300	.056	.147	51796	.029	(a)	52150	.168	(a)
49801	67.40	—	51305	.056	.88	51808	.102	.68	52315	.053	.27
49802	5.98	—	51315	.079	.096	51809	.126	.146	52341	.024	(a)
49803	10.60	—	51330	.051	.66	51833	.061	.054	52342	.069	(a)
49840	.58	—	51333	.017	.32	51850	.123	(a)	52343	.042	(a)
49870	70.40	—	51340	.012	(a)	51851	.083	(a)	52401	.13	(a)
49890	(a)	—	51350	.095	.127	51852	.195	(a)	52402	.007	(a)
49891	(a)	—	51351	.085	.049	51853	.079	(a)	52432	.034	(a)
49902	(a)	—	51352	.116	.101	51854	.176	(a)	52433	.031	.80
49903	(a)	—	51355	.079	.091	51855	.185	(a)	52435	.039	(a)
50010	.073	.38	51356	.085	.56	51856	.102	(a)	52438	.028	(a)
50011	.046	(a)	51357	.111	.76	51857	.174	(a)	52440	.044	(a)
50012	.027	(a)	51358	.27	.129	51869	.034	.136	52467	.041	(a)
50015	.048	(a)	51359	.236	.71	51877	.19	.191	52469	.014	.096
50017	.036	(a)	51370	.148	3.83	51889	.031	.011	52505	.071	.237
50018	.042	(a)	51380	.015	.041	51896	.015	.017	52547	.113	.07
50019	.019	(a)	51400	.119	(a)	51900	.046	.10	52581	.35	2.19
50045	.083	(a)	51401	.175	(a)	51909	.111	.053	52619	.024	(a)
50047	.009	(a)	51500	.028	.116	51919	.032	(a)	52660	.05	—
51001	.029	.42	51516	.042	—	51926	.032	.044	52744	.235	.066
51005	.006	(a)	51517	.048	—	51927	.017	.132	52767	.103	(a)
51116	.072	.69	51550	.034	.40	51934	.035	.107	52876	(a)	(a)
51201	.013	(a)	51551	.012	.89	51941	.032	.041	52911	.019	.42
51205	.038	.059	51552	.021	.152	51942	.051	—	52967	.007	.058
51206	.006	.32	51553	.037	(a)	51956	.138	.205	53001	.071	.30
51210	.05	(a)	51554	.004	(a)	51957	.122	.46	53077	.034	.219
51211	(a)	(a)	51575	.025	.021	51958	.108	.37	53095	.024	(a)
51220	.171	1.90	51576	.066	.097	51959	.111	(a)	53096	.033	(a)
51221	.095	1.76	51600	.045	.172	51960	.015	.33	53121	.093	.40
51222	.116	4.53	51613	.03	.139	51970	.064	.177	53147	.017	(a)
51224	.121	1.49	51625	.026	(a)	51982	.019	.077	53229	.098	(a)
51230	.021	.74	51666	.04	.089	51985	.039	—	53271	.018	(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
53333	.096	.248	55715	.073	.203	56918	.039	(a)	58096	.065	1.49
53374	.062	.26	55716	.106	.49	56919	.099	(a)	58301	.031	.077
53375	.033	.27	55717	.131	(a)	56920	.091	(a)	58302	.018	.051
53376	.053	.183	55718	.127	(a)	56980	.036	(a)	58397	.102	.65
53377	.054	.188	55802	.041	.011	57001	.012	.026	58408	.033	–
53403	.034	(a)	55918	.042	2.26	57002	.008	.096	58409	.042	–
53425	.091	(a)	55919	.006	3.42	57090	.145	.68	58456	.022	–
53565	.04	.096	56040	.004	.03	57146	.092	.75	58457	.033	–
53631	.011	.021	56041	.026	(a)	57202	.032	(a)	58458	.042	–
53632	.012	.032	56042	.033	(a)	57257	.04	.034	58459	.05	–
53731	.011	(a)	56170	.089	(a)	57401	.023	.089	58503	.027	.077
53732	.078	.47	56171	.044	(a)	57403	.084	.033	58532	.035	(a)
53733	.051	.228	56202	.026	.078	57410	.011	.173	58559	.007	(a)
53734	.25	–	56390	.045	.70	57411	.022	(a)	58560	.017	(a)
53803	.216	(a)	56391	.039	.30	57572	.006	.099	58561	(a)	(a)
53901	(a)	(a)	56427	.063	.119	57600	.019	.033	58575	.022	.111
53902	(a)	(a)	56488	.068	.038	57611	.048	.055	58627	.071	.012
53903	(a)	(a)	56567	.092	(a)	57625	.168	(a)	58663	.204	.95
53904	(a)	(a)	56650	.28	(a)	57651	.02	.039	58682	.063	(a)
53905	(a)	(a)	56651	.153	(a)	57690	.062	.45	58713	.026	(a)
53907	.034	.086	56652	.11	(a)	57716	.029	.074	58737	.046	.55
53951	(a)	(a)	56653	.106	(a)	57725	.064	.075	58756	.038	(a)
53952	(a)	(a)	56654	.054	(a)	57726	.05	.023	58757	.155	(a)
53953	(a)	(a)	56690	.035	.33	57798	.01	(a)	58759	.019	(a)
54012	.025	–	56699	.029	.067	57800	.039	(a)	58802	.022	.48
54077	.047	.39	56758	.025	.14	57808	.025	(a)	58813	.094	(a)
54444	(a)	(a)	56759	.025	.078	57809	.025	(a)	58822	.06	(a)
55010	.141	.98	56760	.036	.099	57810	.025	.10	58837	.188	.161
55011	.038	1.75	56805	.047	(a)	57871	.029	.111	58840	.056	.121
55012	.045	1.11	56806	.034	(a)	57913	.05	.26	58873	.09	.027
55013	.082	1.12	56807	.033	(a)	57997	.056	–	58903	.014	(a)
55014	(a)	(a)	56808	.044	(a)	57998	.022	.054	58904	.011	.12
55214	.037	.083	56900	.042	(a)	57999	.04	.07	58922	.149	.179
55371	.158	.108	56910	.021	(a)	58009	.04	(a)	59005	.026	.089
55410	(a)	(a)	56911	.079	(a)	58010	.052	(a)	59057	.192	(a)
55426	.099	(a)	56912	.064	.084	58020	.09	(a)	59058	.125	(a)
55597	.009	1.68	56913	.052	(a)	58056	.061	(a)	59188	.178	.052
55647	.018	.065	56915	.31	(a)	58057	.039	(a)	59189	.245	.28
55648	.008	(a)	56916	.28	.215	58058	.035	(a)	59223	.093	.103
55649	.01	(a)	56917	.081	(a)	58095	.049	1.79	59257	.007	.012

DIVISION SIX

GENERAL LIABILITY

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
59306	.044	(a)	59923	.005	.005	62003	15.00	–	91125	2.23	1.64
59378	.06	.141	59925	.242	1.19	63010	44.10	–	91127	1.02	1.33
59481	.118	.096	59926	.206	.46	63011	55.10	–	91130	.96	–
59482	.186	(a)	59927	.138	1.30	63012	78.40	–	91135	.27	(a)
59537	.065	.232	59931	.091	.48	63013	74.20	–	91150	.97	6.95
59601	.045	2.23	59932	.098	.80	63215	49.60	–	91155	2.15	52.00
59647	.083	.158	59941	.031	(a)	63216	34.40	–	91160	.90	–
59660	.082	1.06	59947	.041	.30	63217	32.10	–	91175	.77	–
59661	.04	(a)	59955	.012	.132	63218	10.80	–	91177	3.36	–
59693	.007	–	59963	.087	.37	63219	(a)	–	91179	3.38	–
59695	(a)	(a)	59964	.204	.066	63220	(a)	–	91190	1.81	(a)
59701	.004	.33	59970	.056	.169	64074	13.30	–	91200	.55	–
59713	.073	.33	59973	.056	(a)	64075	9.36	–	91210	(a)	–
59722	.038	.028	59975	.078	.19	64500	(a)	–	91235	1.18	2.78
59723	.014	.034	59977	.044	(a)	65007	30.20	–	91250	1.78	(a)
59724	.022	.015	59984	.015	.049	66122	13.00	–	91265	11.60	2.55
59725	.027	.145	59985	.06	(a)	66123	7.14	–	91266	6.17	1.38
59726	.02	.023	59986	.046	(a)	66309	20.90	–	91280	(a)	4.70
59738	.063	.059	59988	.02	.055	66561	48.30	–	91302	9.01	(a)
59750	.048	.181	59989	.008	.041	67017	44.80	–	91315	2.74	–
59751	.017	(a)	60010	24.50	–	67508	32.50	–	91324	6.10	(a)
59773	.011	.026	60011	28.20	–	67509	23.80	–	91325	(a)	(a)
59774	.009	.141	60012	46.30	–	67510	13.30	–	91340	3.98	10.90
59775	.011	.178	60013	39.70	–	67511	14.30	–	91341	3.86	6.30
59781	.042	.085	60015	29.60	–	67512	61.40	–	91342	3.65	4.70
59782	.063	.56	60016	33.30	–	67513	39.00	–	91343	.86	1.71
59783	.061	(a)	60035	34.00	–	67634	38.80	–	91405	4.64	–
59784	.047	(a)	61000	24.20	–	67635	27.40	–	91436	4.37	2.78
59790	.049	(a)	61212	17.40	–	68001	83.80	–	91481	15.90	–
59798	.16	.46	61216	19.30	–	68439	108.00	–	91507	2.35	4.03
59806	.114	(a)	61217	17.60	–	68500	5.39	–	91523	36.20	–
59867	.055	(a)	61218	12.00	–	68604	2.02	–	91547	.206	–
59886	.007	.10	61223	85.30	–	68606	7.87	–	91551	1.27	.80
59889	.035	.187	61224	27.20	–	68607	6.22	–	91555	.71	1.16
59892	.061	(a)	61225	37.70	–	68702	5.13	–	91560	3.41	5.02
59904	.041	.076	61226	63.40	–	68703	3.84	–	91562	2.85	–
59905	.034	.12	61227	58.10	–	68706	16.50	–	91577	10.10	4.21
59914	.202	.69	62000	13.20	–	68707	16.30	–	91580	4.50	–
59915	.137	.66	62001	10.40	–	90089	3.69	–	91581	(a)	(a)
59917	.025	.232	62002	4.76	–	91111	1.52	7.19	91582	(a)	(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
91583	(a)	(a)	94444	(a)	(a)	97223	1.18	4.11	98308	.98	1.42
91584	(a)	(a)	94569	2.52	4.86	97308	.48	-	98309	4.09	2.99
91585	(a)	(a)	94590	10.80	-	97447	1.57	6.95	98344	.62	.80
91586	(a)	(a)	94617	3.42	-	97501	(a)	-	98405	1.02	-
91587	(a)	(a)	94638	(a)	-	97502	(a)	-	98413	12.30	(a)
91588	(a)	(a)	95124	1.26	1.34	97503	(a)	-	98414	11.20	(a)
91589	(a)	(a)	95233	2.71	-	97504	(a)	-	98415	1.48	(a)
91590	2.96	-	95305	2.94	-	97650	3.13	4.84	98423	3.53	(a)
91591	(a)	(a)	95306	3.75	-	97651	4.64	5.00	98424	5.99	(a)
91606	9.34	-	95310	7.01	1.66	97652	4.02	6.44	98425	2.46	(a)
91618	(a)	(a)	95357	.96	-	97653	2.68	3.59	98426	2.17	(a)
91629	1.91	(a)	95358	(a)	-	97654	4.67	3.35	98427	2.12	-
91636	3.27	-	95410	3.79	3.33	97655	3.58	5.54	98428	(a)	-
91641	.89	(a)	95455	3.95	1.97	98002	.65	1.13	98429	.86	-
91666	.80	(a)	95487	2.03	(a)	98003	.84	(a)	98430	(a)	-
91722	2.87	(a)	95505	1.84	2.93	98090	.112	-	98449	3.03	33.30
91746	2.85	6.68	95620	1.65	(a)	98091	.122	-	98482	3.25	9.41
91805	.178	-	95625	4.31	5.25	98092	.37	-	98483	4.81	25.60
92053	.44	.66	95630	(a)	(a)	98111	.30	-	98502	4.60	4.98
92054	.151	.224	95647	1.42	7.52	98150	(a)	-	98555	2.14	-
92055	4.22	.224	95648	(a)	(a)	98151	(a)	-	98597	.48	-
92101	6.60	3.77	96053	1.08	5.73	98152	2.18	.97	98598	.165	-
92102	3.97	4.79	96317	.99	-	98153	2.46	(a)	98601	5.51	(a)
92215	1.69	3.76	96408	3.28	16.90	98154	2.90	(a)	98622	(a)	-
92338	1.52	2.85	96409	3.03	12.80	98155	4.06	(a)	98623	(a)	-
92445	1.87	-	96410	2.67	11.60	98156	(a)	(a)	98624	.87	-
92446	5.01	1.92	96611	.92	1.77	98157	2.59	.45	98636	1.45	4.04
92447	4.38	2.07	96702	3.78	(a)	98158	(a)	(a)	98640	94.90	-
92451	1.18	2.66	96703	(a)	-	98159	1.74	(a)	98658	4.19	-
92453	2.78	-	96816	3.54	-	98160	3.68	(a)	98659	.75	.36
92478	1.37	2.07	96872	3.51	(a)	98161	4.13	(a)	98677	14.90	13.00
92593	15.50	-	96930	(a)	-	98162	(a)	(a)	98678	13.30	18.40
92663	.45	-	97002	(a)	(a)	98163	4.33	.204	98698	(a)	(a)
94007	9.41	7.01	97003	(a)	(a)	98164	1.00	.065	98699	4.33	(a)
94099	2.14	-	97047	2.78	-	98257	1.26	-	98705	5.93	-
94225	7.54	-	97050	2.16	-	98303	8.15	8.38	98710	3.00	-
94276	3.93	5.34	97111	4.54	-	98304	4.69	4.52	98751	3.17	-
94304	1.51	(a)	97220	.26	(a)	98305	2.23	2.64	98805	3.93	1.80
94381	2.84	18.60	97221	(a)	1.20	98306	5.73	1.09	98806	1.35	3.97
94404	3.72	7.51	97222	.79	1.93	98307	1.48	.52	98810	3.14	-

\$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
98813	3.03	2.31	99620	.41	–						
98820	7.50	4.25	99650	.64	1.22						
98871	(a)	(a)	99709	1.58	(a)						
98884	1.95	2.44	99718	1.20	–						
98914	.51	.54	99746	2.05	3.95						
98949	.72	.27	99760	.234	–						
98967	3.06	15.90	99777	5.44	–						
98993	2.78	4.18	99793	2.60	–						
99003	1.45	1.71	99798	(a)	(a)						
99004	2.52	2.00	99803	(a)	13.60						
99080	1.03	8.95	99826	.62	.73						
99081	(a)	–	99827	.37	.60						
99082	(a)	–	99851	1.51	–						
99083	(a)	–	99917	2.45	–						
99084	(a)	(a)	99938	2.75	–						
99085	(a)	(a)	99943	7.97	–						
99111	1.49	–	99946	5.93	3.26						
99160	(a)	–	99948	3.34	31.60						
99163	3.57	.42	99952	4.60	25.20						
99165	.79	(a)	99953	4.97	13.40						
99220	1.12	(a)	99954	3.61	11.10						
99221	(a)	(a)	99955	4.53	8.49						
99222	2.11	(a)	99963	.59	–						
99223	.22	(a)	99969	2.05	4.42						
99303	11.90	–	99975	4.02	–						
99310	2.99	(a)	99986	(a)	–						
99315	8.81	2.55	99987	(a)	–						
99321	8.55	2.89	99988	1.81	–						
99445	(a)	(a)									
99471	.51	–									
99505	2.35	–									
99506	2.89	–									
99507	2.52	–									
99570	1.35	(a)									
99571	.33	(a)									
99572	.64	(a)									
99573	.61	(a)									
99600	1.09	–									
99613	7.57	2.62									
99614	2.45	–									