LOSS COSTS – IMPLEMENTATION   JULY 24, 2020

GENERAL LIABILITY   LI-GL-2020-124

MICHIGAN GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION TO BE IMPLEMENTED

KEY MESSAGE

Revised overall prospective loss costs for +5.4% to be implemented.

BACKGROUND

In circular LI-GL-2020-099, we provided you with information about the General Liability loss cost level experience review.

CONSIDERATION OF COVID-19

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

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

ISO ACTION

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

SUPPLEMENTARY INFORMATION

We are including the following supplementary information:

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

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

EFFECTIVE DATE

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

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

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

IMPACT ON THE STATISTICAL REPORTING OF LOSS COST MULTIPLIER

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

COMPANY ACTION

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

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

WE WILL SUBMIT OUR REFERENCE FILING TO THE INSURANCE DEPARTMENT ON OCTOBER 30, 2020. ANY SUBMISSION YOU MAY MAKE WITH THE INSURANCE DEPARTMENT WITH RESPECT TO THIS FILING SHOULD NOT BE SUBMITTED PRIOR TO THIS DATE.

In all correspondence with the Insurance Department on this revision, you should refer to ISO Reference Filing Number GL-2020-BGL1, NOT this circular number.

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

RATING SOFTWARE IMPACT

No new attributes are being introduced with this revision.

POLICYHOLDER NOTIFICATION

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

REVISION DISTRIBUTION

We will issue a Notice to Manualholders with an edition date of 12-20 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

REFERENCE(S)

- [LI-GL-2020-099](#) (06/10/2020) General Liability Basic Limit Experience For 2020 Group 3 Jurisdictions Reviewed By Staff

- [LI-CL-2019-057](#) (12/10/2019) Revised Lead Time Requirements Listing

ATTACHMENT(S)

- GL-2020-BGL1

- Actuarial Analysis Supplement

- Manual Pages

- Excel Workbook

FILES AVAILABLE FOR DOWNLOAD

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

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

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DATA QUALITY

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

ACKNOWLEDGMENT OF ACTUARIAL QUALIFICATIONS

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

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

CONTACT INFORMATION

If you have any questions concerning:

- The actuarial content of this circular, please contact:

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- The non-actuarial content of this circular, please contact:

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- Other issues for this circular, please contact Customer Support:

  E-mail: info@verisk.com
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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.

PURPOSE

This document:
- revises current advisory prospective loss costs for Premises/Operations and Products/Completed Operations classes. These loss costs represent a +5.4% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.

- provides the analyses used to derive these advisory loss costs.

DEFINITION OF THE ISO ADVISORY PROSPECTIVE LOSS COSTS

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

CONSIDERATION OF COVID-19

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

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

LOSS COST LEVEL CHANGES

The statewide advisory loss cost level changes are:

SUBLINE	INDICATED	SELECTED	ADJUSTED *
M&C	- 3.4%	- 3.4%	- 3.4%
OL&T	+ 15.7%	+ 15.7%	+ 14.7%
Premises/Operations	+ 6.6%	+ 6.6%	+ 6.1%
Products	+ 0.3%	+ 0.3%	+ 0.3%
Local Products/Completed Operations	+ 5.1%	+ 5.1%	+ 5.1%
Products/Completed Operations	+ 3.2%	+ 3.2%	+ 3.2%
GL Overall	+ 5.8%	+ 5.8%	+ 5.4%

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

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

INDICATED VS. SELECTED VS. ADJUSTED	Indicated changes are based on standard ISO methodology. The selected changes are equal to the indicated changes for all sublines. The adjusted loss cost level changes reflect the COVID-19 related adjustments for OL&T.

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

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

HISTORICAL SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Fiscal - accident year data through year ended 6/30/2019 for Premises/Operations.
- Calendar-accident year data through year ended 12/31/2018 for Products/Completed Operations.

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

ADJUSTMENTS TO REPORTED EXPERIENCE

The period of use for this revision is anticipated to begin on 12/1/2020. The Products/ Completed Operations portion of this review uses a trend date of 7/1/2020 because of the multistate nature of the review. To adjust the loss and exposure data to levels expected to prevail during the period when the revised indications are assumed to be in effect, historical losses and exposures have been multiplied by trend factors. These trend factors are based on changes in cost, frequency and inflation sensitive exposure bases that are expected to arise between the historical experience period and the prospective period during which the revised loss costs will be in effect. For a summary of the selected annual trend factors, see Section E, Section F and Section G - Trend Summary.

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

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	OTHER LIABILITY (ASLOB 17.0)		PRODUCTS LIABILITY (ASLOB 18.0)	
LARGEST	1	Travelers Indemnity Co.	1	Zurich American Insurance Co.
COMPANY	2	Chubb Group of Insurance Cos.	2	Fireman's Fund Insurance Co.
GROUPS IN	3	Continental Casualty Co.	3	Travelers Indemnity Co.
ISO	4	Cincinnati Insurance Co.	4	Selective Insurance Group
DATA	5	Zurich American Insurance Co.	5	Cincinnati Insurance Co.
BASE	6	Liberty Mutual Insurance Co	6	Hartford Accident & Indemnity Co.
	7	XL Specialty Insurance Co.	7	United Fire & Casualty Co.
	8	Employers Mutual Casualty Co.	8	Liberty Mutual Insurance Co.
	9	Selective Insurance Group	9	Continental Casualty Co.
	10	Hartford Acc & Indemnity Co.	10	Chubb Group of Insurance Cos.

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

SIZE
OF
ISO
DATA
BASE

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

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

Statewide - Other Liability (ASLOB 17.0)	33.4%
Multistate - Products Liability (ASLOB 18.0)	39.4%

COMPANY
DECISION

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

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

This material has been developed exclusively by the staff of Insurance Services Office, Inc.

MICHIGAN
PRIOR REVISIONS

The latest implemented revisions in this state are:

Document: GL-2019-BGL1

Coverage	Effective Date	Loss Cost Level Changes		
		Indicated	Selected	Implemented
M&C		- 7.6%	- 7.6%	- 7.6%
OL&T		+ 1.9%	+ 1.9%	+ 1.9%
Prem/Ops Combined		- 2.7%	- 2.7%	- 2.7%
Products		- 9.7%	- 9.7%	- 9.7%
Local Products/Completed Ops		- 0.5%	- 0.5%	- 0.5%
Products/Completed Ops Combined		- 4.6%	- 4.6%	- 4.6%
General Liability Overall	12/1/2019	- 3.2%	- 3.2%	- 3.2%

Document: GL-2018-BGL1

Coverage	Effective Date	Loss Cost Level Changes		
		Indicated	Selected	Implemented
M&C		- 8.6%	- 8.6%	- 8.6%
OL&T		+ 6.0%	+ 6.0%	+ 6.0%
Prem/Ops Combined		- 1.4%	- 1.4%	- 1.4%
Products		- 8.2%	- 8.2%	- 8.2%
Local Products/Completed Ops		- 7.6%	- 7.6%	- 7.6%
Products/Completed Ops Combined		- 7.9%	- 7.9%	- 7.9%
General Liability Overall	12/1/2018	- 3.1%	- 3.1%	- 3.1%

Document: GL-2017-BGL1

Coverage	Effective Date	Loss Cost Level Changes		
		Indicated	Selected	Implemented
M&C		- 5.0%	- 5.0%	- 5.0%
OL&T		-11.9%	-11.9%	-11.9%
Prem/Ops Combined		- 8.3%	- 8.3%	- 8.3%
Products		- 7.5%	- 7.5%	- 7.5%
Local Products/Completed Ops		- 3.2%	- 3.2%	- 3.2%
Products/Completed Ops Combined		- 4.9%	- 4.9%	- 4.9%
General Liability Overall	12/1/2017	- 7.5%	- 7.5%	- 7.5%

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

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

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

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

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

SECTION H - CONSIDERATION OF COVID-19

SECTION A

SCOPE OF REVISION

TABLE OF CONTENTS

MICHIGAN

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

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

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

Summary of Indications and Selected Loss Cost Level Changes	Manufacturers And Contractors	Owners, Landlords and Tenants	Overall Premises/ Operations	Products	Local Products/ Completed Operations	Products/ Completed Operations	Overall General Liability Other Than Professional
Statewide Indicated Monoline-Multiline Loss Cost Level Change (See Section C)	+ 0.4%	+ 10.1%	+ 5.5%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	- 3.4%	+ 15.7%	+ 6.6%	+ 0.3%*	+ 5.1%**	+ 3.2%	+ 5.8%
Statewide Selected Monoline Loss Cost Level Change	- 3.4%	+ 15.7%	+ 6.6%	+ 0.3%*	+ 5.1%	+ 3.2%	+ 5.8%
Adjusted Monoline Loss Cost Level Change (See Sections C and H) @	- 3.4%	+ 14.7%	+ 6.1%	+ 0.3%	+ 5.1%	+ 3.2%	+ 5.4%

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

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

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

MICHIGAN

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

CODE	TERRITORY DESCRIPTION	LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT LEVEL (ALCCL)	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING	ADJUSTED LOSS COST LEVEL CHANGE
501	Detroit and Vicinity	$ 3,343,441	+ 16.7%	+ 16.8%	+ 15.5%
503	Detroit Suburban	7,595,366	+ 16.6%	+ 16.6%	+ 15.5%
504	Ann Arbor, Battle Creek, Bay City, Benton Harbor, Flint, Grand Rapids, Jackson, Kalamazoo, Lansing, Midland, Muskegon, Niles, Port Huron, Saginaw, Saint Joseph and Ypsilanti	2,838,716	+ 17.2%	+ 17.2%	+ 16.0%
505	Remainder of State	5,402,533	+ 12.9%	+ 13.0%	+ 12.3%
	STATEWIDE TOTAL	$ 19,180,056	+ 15.7%	+ 15.7%	+ 14.7%

MICHIGAN
PREMISES/OPERATIONS
CLASS GROUP LOSS COST LEVEL CHANGES

MANUFACTURERS AND CONTRACTORS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
30	SERVICE	$ 1,189,075	- 5.0%	- 5.3%
31	LIGHT CONTRACTING	2,013,032	- 1.2%	- 1.3%
32	MEDIUM CONTRACTING	6,748,691	- 2.7%	- 2.8%
33	HEAVY CONTRACTING	1,699,081	- 6.3%	- 6.4%
34	DEALERS OR DISTRIBUTORS	1,816,059	- 3.8%	- 3.4%
35	LIGHT MANUFACTURERS	252,561	- 3.4%	- 3.0%
36	MEDIUM MANUFACTURERS	1,304,917	- 7.6%	- 7.7%
37	HEAVY MANUFACTURERS	1,146,390	- 6.4%	- 6.0%
38	MISCELLANEOUS OPERATIONS	1,335,217	+ 2.5%	+ 2.6%
	TOTAL	$ 17,505,023	- 3.4%	- 3.4%

OWNERS, LANDLORDS AND TENANTS LIABILITY INSURANCE

CLASS GROUP	DESCRIPTION	LATEST YEAR MONO/MULTI ALCCL	INDICATED LOSS COST LEVEL CHANGE BEFORE CAPPING	LOSS COST LEVEL CHANGE AFTER CAPPING
01	FOOD AND BEVERAGE (RETAIL)	$ 1,215,728	+ 13.5%	+ 13.0%
02	RESTAURANTS	2,396,043	+ 15.5%	+ 14.8%
03	STORES	881,939	+ 13.7%	+ 13.4%
04	VENDING AND RENTAL	47,069	+ 20.4%	+ 19.7%
05	FOOD AND BEVERAGE DISTRIBUTORS	197,692	+ 14.6%	+ 14.0%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	928,471	+ 11.4%	+ 11.9%
07	CLUBS, AMUSEMENTS AND SPORTS	1,246,687	+ 30.8%	+ 30.5%
08	HEALTH CARE FACILITIES	245,394	+ 15.9%	+ 16.3%
09	HOTELS AND MOTELS	1,107,432	+ 10.2%	+ 10.3%
10	SCHOOLS AND CHURCHES	1,081,276	+ 23.3%	+ 23.0%
11	APARTMENTS	3,973,618	+ 10.9%	+ 11.2%
12	BUILDINGS AND OFFICES	5,489,772	+ 16.6%	+16.9% @
13	MISCELLANEOUS PREMISES	307,484	+ 21.7%	+ 21.5%
16	GOVERNMENTAL SUBDIVISIONS	61,451	+ 15.3%	+ 13.3%
	TOTAL	$ 19,180,056	+ 15.7%	+ 15.7%

@ The COVID-19 related adjustments are applied to the rounded loss costs after capping and then rounded using CGL rounding rules. The class group 12 adjusted loss cost level change is 13.3% resulting in an overall OL&T indication of 14.7%.

MICHIGAN

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

CLASS GROUP	DESCRIPTION	LATEST YEAR MULTISTATE MONO/MULTI ALCCL AT MULTISTATE LEVEL	INDICATED MULTISTATE LOSS COST LEVEL CHANGE	LATEST YEAR STATEWIDE MONO/MULTI ALCCL AT CURRENT LEVEL	INDICATED STATEWIDE LOSS COST LEVEL CHANGE	SELECTED STATEWIDE LOSS COST LEVEL CHANGE
03	MANUFACTURERS, DEALERS OR DISTRIBUTORS-FOOD OR DRUG	$ 25,805,900	- 5.9%	$ 715,461	- 1.5%	- 1.5%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	34,950,355	+ 4.3%	1,446,262	+ 7.1%	+ 7.1%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,162,520	+ 1.2%	268,241	- 1.9%	- 1.9%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	33,323,523	- 0.5%	1,294,811	- 4.8%	- 4.8%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	8,272,287	+ 0.2%	1,018,015	- 0.8%	- 0.8%
	PRODUCTS SUBTOTAL	$ 107,514,585	- 0.1%	$ 4,742,790	+ 0.3%	+ 0.3%
01	RETAIL STORES-FOOD OR DRUG			$ 270,479	+ 0.6%	+ 0.6%
02	RETAIL STORES-NOT FOOD OR DRUG			491,877	+ 7.3%	+ 7.2%
11	COMPLETED OPERATIONS-LOW			377,086	+ 11.0%	+ 10.2%
12	COMPLETED OPERATIONS-MEDIUM			5,450,976	+ 5.1%	+ 5.2%
13	COMPLETED OPERATIONS-HIGH			554,006	+ 1.1%	+ 1.3%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			$ 7,144,424	+ 5.1%	+ 5.1%
	TOTAL			$ 11,887,214	+ 3.2%	+ 3.2%

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.

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

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

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

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

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

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

- 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.

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

- M&C classes reflect an upper cap of +25% and a lower cap of -23% relative to current loss costs;

- OL&T classes reflect an upper cap of +41% and a lower cap of -20% relative to current loss costs;
  The COVID-19 related adjustment factors were applied to the capped and rounded loss costs reflecting the selected loss cost level change.
  Loss costs reflecting the COVID-19 related adjustments are not subject to capping and are rounded using the rules listed below.

- Products classes reflect an upper cap of +25% and a lower cap of -20% relative to current multistate loss costs;

- Local Products/Completed Operations classes reflect an upper cap of +30% and a lower cap of -20% relative to current loss costs.

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

M&C: 0.999	OL&T: 1.000	LP/CO: 0.996

The Commercial General Liability loss costs are rounded as follows:

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

for example:

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

NOTE: Due to our standard capping procedure and rounding rules, the current loss cost of $0.003 for Products Class 18707 (Tobacco Products Distributors) has not been able to increase as per the mathematical formula despite adverse experience in the last couple years. As a result, the cap has been eliminated for this particular class in this filing. Adjustments have also been applied to nine classes impacted by the COVID-19 pandemic. These classes are listed in Section H.

STATE: 21 - MICHIGAN
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	0.095	0.083	14.5	10060	505	0.112	0.101	10.9	10101	504	0.142	0.124	14.5
10010	503	0.109	0.097	12.4	10065	501	0.183	0.160	14.4	10101	505	0.151	0.136	11.0
10010	504	0.063	0.055	14.5	10065	503	0.237	0.207	14.5	10105	501	1.790	1.560	14.7
10010	505	0.090	0.082	9.8	10065	504	0.158	0.137	15.3	10105	503	2.320	2.020	14.9
10015	501	6.560	4.970	32.0	10065	505	0.168	0.151	11.3	10105	504	1.540	1.340	14.9
10015	503	10.900	8.270	31.8	10066	501	0.187	0.163	14.7	10105	505	1.640	1.470	11.6
10015	504	6.570	4.960	32.5	10066	503	0.242	0.211	14.7	10107	501	1.510	1.580	-4.4
10015	505	4.440	3.490	27.2	10066	504	0.161	0.140	15.0	10107	503	1.950	2.040	-4.4
10026	501	0.450	0.390	15.4	10066	505	0.171	0.154	11.0	10107	504	1.650	1.700	-2.9
10026	503	0.580	0.500	16.0	10070	501	0.054	0.048	12.5	10107	505	1.430	1.480	-3.4
10026	504	0.380	0.330	15.2	10070	503	0.063	0.055	14.5	10110	501	22.300	16.900	32.0
10026	505	0.410	0.370	10.8	10070	504	0.036	0.032	12.5	10110	503	37.200	28.200	31.9
10036	501	0.320	0.330	-3.0	10070	505	0.051	0.047	8.5	10110	504	22.300	16.900	32.0
10036	503	0.410	0.430	-4.7	10071	501	0.219	0.191	14.7	10110	505	15.100	11.900	26.9
10036	504	0.350	0.360	-2.8	10071	503	0.280	0.247	13.4	10111	501	0.119	0.104	14.4
10036	505	0.300	0.310	-3.2	10071	504	0.189	0.164	15.2	10111	503	0.137	0.121	13.2
10040	501	0.072	0.064	12.5	10071	505	0.200	0.180	11.1	10111	504	0.079	0.069	14.5
10040	503	0.083	0.073	13.7	10072	501	2.640	2.580	2.3	10111	505	0.112	0.103	8.7
10040	504	0.048	0.042	14.3	10072	503	4.690	4.600	2.0	10113	501	0.248	0.216	14.8
10040	505	0.068	0.062	9.7	10072	504	2.340	2.270	3.1	10113	503	0.320	0.280	14.3
10042	501	0.260	0.223	16.6	10072	505	3.160	3.060	3.3	10113	504	0.214	0.186	15.1
10042	503	0.330	0.290	13.8	10073	501	0.490	0.520	-5.8	10113	505	0.227	0.204	11.3
10042	504	0.220	0.191	15.2	10073	503	0.640	0.670	-4.5	10115	501	0.490	0.430	14.0
10042	505	0.233	0.210	11.0	10073	504	0.540	0.560	-3.6	10115	503	0.640	0.550	16.4
10052	501	4.540	3.440	32.0	10073	505	0.470	0.480	-2.1	10115	504	0.420	0.370	13.5
10052	503	7.570	5.720	32.3	10075	501	3.670	3.840	-4.4	10115	505	0.450	0.410	9.8
10052	504	4.540	3.430	32.4	10075	503	4.740	4.940	-4.0	10117	501	6.520	4.940	32.0
10052	505	3.070	2.410	27.4	10075	504	4.010	4.140	-3.1	10117	503	10.900	8.220	32.6
10054	501	4.030	3.050	32.1	10075	505	3.470	3.580	-3.1	10117	504	6.520	4.920	32.5
10054	503	6.710	5.080	32.1	10100	501	0.640	0.560	14.3	10117	505	4.410	3.470	27.1
10054	504	4.030	3.040	32.6	10100	503	0.660	0.580	13.8	10120	501	14.600	11.100	31.5
10054	505	2.730	2.140	27.6	10100	504	0.440	0.380	15.8	10120	503	24.400	18.400	32.6
10060	501	0.122	0.107	14.0	10100	505	0.390	0.350	11.4	10120	504	14.600	11.000	32.7
10060	503	0.158	0.138	14.5	10101	501	0.165	0.144	14.6	10120	505	9.900	7.780	27.2
10060	504	0.105	0.092	14.1	10101	503	0.214	0.186	15.1	10130	501	2.440	2.130	14.6

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LOSS COST % CHANGE BY CLASS

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10130	503	3.160	2.750	14.9	10160	501	1.530	1.340	14.2	10315	505	0.240	0.216	11.1
10130	504	2.100	1.830	14.8	10160	503	1.980	1.730	14.5	10331	501	8.900	6.740	32.0
10130	505	2.230	2.010	10.9	10160	504	1.320	1.150	14.8	10331	503	14.800	11.200	32.1
10132	501	2.100	1.830	14.8	10160	505	1.400	1.260	11.1	10331	504	8.900	6.720	32.4
10132	503	2.720	2.370	14.8	10204	501	0.154	0.135	14.1	10331	505	6.030	4.730	27.5
10132	504	1.810	1.580	14.6	10204	503	0.200	0.174	14.9	10332	501	15.300	11.600	31.9
10132	505	1.920	1.730	11.0	10204	504	0.133	0.116	14.7	10332	503	25.600	19.300	32.6
10133	501	3.210	2.650	21.1	10204	505	0.141	0.127	11.0	10332	504	15.400	11.600	32.8
10133	503	3.260	2.680	21.6	10205	501	0.172	0.151	13.9	10332	505	10.400	8.170	27.3
10133	504	2.300	1.890	21.7	10205	503	0.223	0.194	14.9	10352	501	0.370	0.330	12.1
10133	505	1.700	1.450	17.2	10205	504	0.149	0.129	15.5	10352	503	0.390	0.340	14.7
10140	501	0.025	0.022	13.6	10205	505	0.158	0.142	11.3	10352	504	0.260	0.224	16.1
10140	503	0.027	0.023	17.4	10220	501	3.250	2.840	14.4	10352	505	0.225	0.201	11.9
10140	504	0.021	0.018	16.7	10220	503	4.210	3.660	15.0	10367	501	2.330	2.280	2.2
10140	505	0.017	0.016	6.3	10220	504	2.800	2.430	15.2	10367	503	4.140	4.060	2.0
10141	501	0.050	0.043	16.3	10220	505	2.970	2.670	11.2	10367	504	2.070	2.010	3.0
10141	503	0.053	0.046	15.2	10255	501	0.118	0.123	-4.1	10367	505	2.790	2.710	3.0
10141	504	0.042	0.036	16.7	10255	503	0.152	0.159	-4.4	10368	501	3.400	3.340	1.8
10141	505	0.035	0.032	9.4	10255	504	0.129	0.133	-3.0	10368	503	6.050	5.940	1.9
10145	501	0.241	0.208	15.9	10255	505	0.111	0.115	-3.5	10368	504	3.030	2.930	3.4
10145	503	0.260	0.222	17.1	10256	501	0.430	0.450	-4.4	10368	505	4.080	3.950	3.3
10145	504	0.200	0.173	15.6	10256	503	0.560	0.580	-3.4	10378	501	9.010	6.820	32.1
10145	505	0.168	0.152	10.5	10256	504	0.470	0.490	-4.1	10378	503	15.000	11.400	31.6
10146	501	0.290	0.250	16.0	10256	505	0.410	0.420	-2.4	10378	504	9.010	6.810	32.3
10146	503	0.300	0.260	15.4	10257	501	0.081	0.085	-4.7	10378	505	6.100	4.790	27.3
10146	504	0.197	0.172	14.5	10257	503	0.105	0.109	-3.7	10379	501	4.180	3.170	31.9
10146	505	0.173	0.154	12.3	10257	504	0.089	0.092	-3.3	10379	503	6.970	5.270	32.3
10150	501	0.340	0.300	13.3	10257	505	0.077	0.079	-2.5	10379	504	4.180	3.160	32.3
10150	503	0.440	0.380	15.8	10309	501	0.111	0.097	14.4	10379	505	2.830	2.230	26.9
10150	504	0.290	0.260	11.5	10309	503	0.144	0.126	14.3	10380	501	7.140	5.410	32.0
10150	505	0.310	0.280	10.7	10309	504	0.096	0.083	15.7	10380	503	11.900	9.000	32.2
10151	501	8.590	7.500	14.5	10309	505	0.102	0.092	10.9	10380	504	7.140	5.390	32.5
10151	503	11.100	9.690	14.6	10315	501	0.260	0.229	13.5	10380	505	4.840	3.800	27.4
10151	504	7.400	6.440	14.9	10315	503	0.340	0.300	13.3	10381	501	6.180	4.680	32.1
10151	505	7.860	7.080	11.0	10315	504	0.226	0.197	14.7	10381	503	10.300	7.800	32.1

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10381	504	6.190	4.670	32.5	11155	503	0.191	0.166	15.1	11208	501	0.870	0.850	2.4
10381	505	4.190	3.290	27.4	11155	504	0.127	0.110	15.5	11208	503	1.550	1.520	2.0
11007	501	0.990	0.970	2.1	11155	505	0.135	0.121	11.6	11208	504	0.770	0.750	2.7
11007	503	1.760	1.730	1.7	11167	501	0.770	0.640	20.3	11208	505	1.040	1.010	3.0
11007	504	0.880	0.850	3.5	11167	503	0.780	0.640	21.9	11209	501	4.090	4.010	2.0
11007	505	1.190	1.150	3.5	11167	504	0.550	0.450	22.2	11209	503	7.270	7.130	2.0
11020	501	0.208	0.182	14.3	11167	505	0.410	0.350	17.1	11209	504	3.630	3.520	3.1
11020	503	0.270	0.235	14.9	11168	501	3.990	3.300	20.9	11209	505	4.900	4.750	3.2
11020	504	0.180	0.156	15.4	11168	503	4.050	3.330	21.6	11210	501	1.740	1.710	1.8
11020	505	0.191	0.172	11.0	11168	504	2.860	2.340	22.2	11210	503	3.100	3.040	2.0
11039	501	0.430	0.450	-4.4	11168	505	2.110	1.810	16.6	11210	504	1.550	1.500	3.3
11039	503	0.560	0.580	-3.4	11201	501	8.670	8.490	2.1	11210	505	2.090	2.020	3.5
11039	504	0.470	0.480	-2.1	11201	503	15.400	15.100	2.0	11211	501	9.050	8.860	2.1
11039	505	0.410	0.420	-2.4	11201	504	7.710	7.470	3.2	11211	503	16.100	15.800	1.9
11052	501	3.340	2.760	21.0	11201	505	10.400	10.100	3.0	11211	504	8.040	7.800	3.1
11052	503	3.390	2.790	21.5	11202	501	2.560	2.510	2.0	11211	505	10.900	10.500	3.8
11052	504	2.390	1.960	21.9	11202	503	4.560	4.470	2.0	11212	501	1.370	1.340	2.2
11052	505	1.770	1.510	17.2	11202	504	2.280	2.210	3.2	11212	503	2.430	2.390	1.7
11126	501	0.043	0.038	13.2	11202	505	3.070	2.980	3.0	11212	504	1.220	1.180	3.4
11126	503	0.056	0.049	14.3	11203	501	0.700	0.620	12.9	11212	505	1.640	1.590	3.1
11126	504	0.037	0.032	15.6	11203	503	0.810	0.720	12.5	11213	501	1.120	1.090	2.8
11126	505	0.039	0.035	11.4	11203	504	0.470	0.410	14.6	11213	503	1.990	1.950	2.1
11127	501	0.300	0.270	11.1	11203	505	0.660	0.610	8.2	11213	504	0.990	0.960	3.1
11127	503	0.350	0.310	12.9	11204	501	0.216	0.188	14.9	11213	505	1.340	1.300	3.1
11127	504	0.200	0.176	13.6	11204	503	0.280	0.243	15.2	11214	501	2.750	2.690	2.2
11127	505	0.290	0.260	11.5	11204	504	0.186	0.162	14.8	11214	503	4.890	4.800	1.9
11128	501	0.410	0.360	13.9	11204	505	0.197	0.177	11.3	11214	504	2.440	2.370	3.0
11128	503	0.470	0.420	11.9	11206	501	0.400	0.390	2.6	11214	505	3.300	3.190	3.4
11128	504	0.270	0.238	13.4	11206	503	0.720	0.700	2.9	11222	501	0.046	0.045	2.2
11128	505	0.390	0.350	11.4	11206	504	0.360	0.350	2.9	11222	503	0.082	0.081	1.2
11138	501	2.220	1.680	32.1	11206	505	0.480	0.470	2.1	11222	504	0.041	0.040	2.5
11138	503	3.710	2.800	32.5	11207	501	5.080	4.980	2.0	11222	505	0.055	0.054	1.9
11138	504	2.230	1.680	32.7	11207	503	9.030	8.860	1.9	11234	501	0.194	0.169	14.8
11138	505	1.510	1.180	28.0	11207	504	4.510	4.380	3.0	11234	503	0.250	0.219	14.2
11155	501	0.147	0.129	14.0	11207	505	6.090	5.900	3.2	11234	504	0.167	0.145	15.2

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STATE: 21 - MICHIGAN
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
11234	505	0.177	0.160	10.6	12361	504	0.045	0.039	15.4	12510	503	0.480	0.500	-4.0
11248	501	0.022	0.023	-4.3	12361	505	0.038	0.034	11.8	12510	504	0.410	0.420	-2.4
11248	503	0.029	0.030	-3.3	12362	501	0.060	0.053	13.2	12510	505	0.350	0.360	-2.8
11248	504	0.024	0.025	-4.0	12362	503	0.069	0.061	13.1	12583	501	0.166	0.174	-4.6
11248	505	0.021	0.022	-4.5	12362	504	0.039	0.035	11.4	12583	503	0.214	0.224	-4.5
11258	501	0.770	0.680	13.2	12362	505	0.056	0.052	7.7	12583	504	0.182	0.187	-2.7
11258	503	0.800	0.690	15.9	12373	501	0.023	0.020	15.0	12583	505	0.157	0.162	-3.1
11258	504	0.530	0.460	15.2	12373	503	0.026	0.023	13.0	12651	501	0.480	0.510	-5.9
11258	505	0.470	0.420	11.9	12373	504	0.015	0.013	15.4	12651	503	0.620	0.650	-4.6
11259	501	0.820	0.720	13.9	12373	505	0.021	0.020	5.0	12651	504	0.530	0.550	-3.6
11259	503	0.860	0.740	16.2	12374	501	0.420	0.370	13.5	12651	505	0.460	0.470	-2.1
11259	504	0.570	0.500	14.0	12374	503	0.550	0.480	14.6	12683	501	0.221	0.232	-4.7
11259	505	0.500	0.450	11.1	12374	504	0.370	0.320	15.6	12683	503	0.290	0.300	-3.3
11273	501	9.620	8.400	14.5	12374	505	0.390	0.350	11.4	12683	504	0.242	0.250	-3.2
11273	503	12.500	10.800	15.7	12375	501	0.208	0.182	14.3	12683	505	0.209	0.216	-3.2
11273	504	8.290	7.210	15.0	12375	503	0.270	0.235	14.9	12707	501	0.390	0.340	14.7
11273	505	8.790	7.920	11.0	12375	504	0.180	0.156	15.4	12707	503	0.450	0.400	12.5
11274	501	9.230	8.060	14.5	12375	505	0.191	0.172	11.0	12707	504	0.260	0.228	14.0
11274	503	12.000	10.400	15.4	12391	501	0.045	0.039	15.4	12707	505	0.370	0.340	8.8
11274	504	7.950	6.920	14.9	12391	503	0.052	0.046	13.0	12797	501	0.082	0.072	13.9
11274	505	8.440	7.600	11.1	12391	504	0.030	0.026	15.4	12797	503	0.095	0.084	13.1
11288	501	0.940	0.830	13.3	12391	505	0.042	0.039	7.7	12797	504	0.054	0.048	12.5
11288	503	0.980	0.850	15.3	12393	501	0.280	0.242	15.7	12797	505	0.078	0.071	9.9
11288	504	0.650	0.570	14.0	12393	503	0.360	0.310	16.1	12805	501	0.223	0.194	14.9
11288	505	0.570	0.510	11.8	12393	504	0.238	0.207	15.0	12805	503	0.290	0.250	16.0
12014	501	0.048	0.051	-5.9	12393	505	0.250	0.228	9.6	12805	504	0.192	0.167	15.0
12014	503	0.062	0.065	-4.6	12467	501	0.115	0.100	15.0	12805	505	0.204	0.183	11.5
12014	504	0.053	0.054	-1.9	12467	503	0.149	0.130	14.6	12841	501	0.370	0.320	15.6
12014	505	0.046	0.047	-2.1	12467	504	0.099	0.086	15.1	12841	503	0.480	0.420	14.3
12356	501	0.820	0.710	15.5	12467	505	0.105	0.095	10.5	12841	504	0.320	0.280	14.3
12356	503	1.060	0.920	15.2	12509	501	0.029	0.031	-6.5	12841	505	0.340	0.300	13.3
12356	504	0.700	0.610	14.8	12509	503	0.038	0.040	-5.0	12927	501	0.065	0.056	16.1
12356	505	0.750	0.670	11.9	12509	504	0.032	0.033	-3.0	12927	503	0.084	0.073	15.1
12361	501	0.054	0.047	14.9	12509	505	0.028	0.029	-3.4	12927	504	0.056	0.048	16.7
12361	503	0.058	0.050	16.0	12510	501	0.370	0.390	-5.1	12927	505	0.059	0.053	11.3

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13049	501	0.028	0.024	16.7	13352	505	0.187	0.169	10.7	13621	504	0.064	0.066	-3.0
13049	503	0.030	0.026	15.4	13410	501	0.680	0.710	-4.2	13621	505	0.056	0.057	-1.8
13049	504	0.024	0.020	20.0	13410	503	0.870	0.910	-4.4	13670	501	0.030	0.026	15.4
13049	505	0.020	0.018	11.1	13410	504	0.740	0.760	-2.6	13670	503	0.032	0.028	14.3
13111	501	0.710	0.630	12.7	13410	505	0.640	0.660	-3.0	13670	504	0.025	0.022	13.6
13111	503	0.740	0.640	15.6	13412	501	0.228	0.239	-4.6	13670	505	0.021	0.019	10.5
13111	504	0.490	0.430	14.0	13412	503	0.290	0.310	-6.5	13673	501	0.580	0.510	13.7
13111	505	0.430	0.390	10.3	13412	504	0.250	0.260	-3.8	13673	503	0.600	0.530	13.2
13112	501	0.046	0.040	15.0	13412	505	0.216	0.223	-3.1	13673	504	0.400	0.350	14.3
13112	503	0.049	0.043	14.0	13453	501	0.260	0.280	-7.1	13673	505	0.350	0.320	9.4
13112	504	0.038	0.033	15.2	13453	503	0.340	0.360	-5.6	13715	501	0.060	0.053	13.2
13112	505	0.032	0.029	10.3	13453	504	0.290	0.300	-3.3	13715	503	0.069	0.061	13.1
13201	501	0.430	0.450	-4.4	13453	505	0.250	0.260	-3.8	13715	504	0.039	0.035	11.4
13201	503	0.550	0.580	-5.2	13454	501	0.310	0.320	-3.1	13715	505	0.056	0.052	7.7
13201	504	0.470	0.480	-2.1	13454	503	0.400	0.420	-4.8	13716	501	0.310	0.270	14.8
13201	505	0.400	0.420	-4.8	13454	504	0.340	0.350	-2.9	13716	503	0.410	0.350	17.1
13204	501	0.480	0.510	-5.9	13454	505	0.290	0.300	-3.3	13716	504	0.270	0.234	15.4
13204	503	0.620	0.650	-4.6	13455	501	0.310	0.330	-6.1	13716	505	0.290	0.260	11.5
13204	504	0.530	0.550	-3.6	13455	503	0.400	0.420	-4.8	13720	501	0.330	0.290	13.8
13204	505	0.460	0.470	-2.1	13455	504	0.340	0.350	-2.9	13720	503	0.340	0.300	13.3
13205	501	0.186	0.195	-4.6	13455	505	0.300	0.310	-3.2	13720	504	0.226	0.198	14.1
13205	503	0.240	0.250	-4.0	13506	501	0.630	0.550	14.5	13720	505	0.199	0.178	11.8
13205	504	0.203	0.210	-3.3	13506	503	0.820	0.710	15.5	13759	501	0.122	0.107	14.0
13205	505	0.176	0.182	-3.3	13506	504	0.540	0.470	14.9	13759	503	0.158	0.138	14.5
13314	501	0.083	0.072	15.3	13506	505	0.580	0.520	11.5	13759	504	0.105	0.092	14.1
13314	503	0.107	0.093	15.1	13507	501	0.760	0.660	15.2	13759	505	0.112	0.101	10.9
13314	504	0.071	0.062	14.5	13507	503	0.990	0.860	15.1	13930	501	0.127	0.112	13.4
13314	505	0.076	0.068	11.8	13507	504	0.660	0.570	15.8	13930	504	0.146	0.129	13.2
13351	501	0.201	0.176	14.2	13507	505	0.700	0.630	11.1	13930	504	0.084	0.074	13.5
13351	503	0.260	0.227	14.5	13590	501	0.233	0.244	-4.5	13930	505	0.120	0.110	9.1
13351	504	0.173	0.151	14.6	13590	503	0.300	0.310	-3.2	14068	501	0.027	0.024	12.5
13351	505	0.184	0.166	10.8	13590	504	0.250	0.260	-3.8	14068	503	0.035	0.030	16.7
13352	501	0.205	0.179	14.5	13590	505	0.221	0.228	-3.1	14068	504	0.023	0.020	15.0
13352	503	0.270	0.231	16.9	13621	501	0.059	0.062	-4.8	14068	505	0.025	0.022	13.6
13352	504	0.176	0.153	15.0	13621	503	0.076	0.079	-3.8	14101	501	0.320	0.280	14.3

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STATE: 21 - MICHIGAN
SUBLINE: PREM/OPS

<div align="center">LOSS COST % CHANGE BY CLASS</div>

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
14101	503	0.410	0.360	13.9	14734	501	0.183	0.160	14.4	15188	505	0.155	0.160	-3.1
14101	504	0.270	0.237	13.9	14734	503	0.237	0.207	14.5	15223	501	0.036	0.031	16.1
14101	505	0.290	0.260	11.5	14734	504	0.158	0.137	15.3	15223	503	0.038	0.033	15.2
14279	501	0.225	0.235	-4.3	14734	505	0.168	0.151	11.3	15223	504	0.030	0.026	15.4
14279	503	0.290	0.300	-3.3	14855	501	0.104	0.108	-3.7	15223	505	0.025	0.023	8.7
14279	504	0.246	0.250	-1.6	14855	503	0.134	0.140	-4.3	15224	501	0.350	0.300	16.7
14279	505	0.213	0.220	-3.2	14855	504	0.113	0.117	-3.4	15224	503	0.360	0.310	16.1
14401	501	0.770	0.680	13.2	14855	505	0.098	0.101	-3.0	15224	504	0.239	0.209	14.4
14401	503	0.800	0.700	14.3	14913	501	0.230	0.201	14.4	15224	505	0.210	0.188	11.7
14401	504	0.530	0.470	12.8	14913	503	0.300	0.260	15.4	15314	501	0.147	0.129	14.0
14401	505	0.470	0.420	11.9	14913	504	0.198	0.172	15.1	15314	503	0.191	0.166	15.1
14405	501	0.580	0.570	1.8	14913	505	0.210	0.189	11.1	15314	504	0.127	0.110	15.5
14405	503	1.040	1.020	2.0	15062	501	0.093	0.097	-4.1	15314	505	0.135	0.121	11.6
14405	504	0.520	0.500	4.0	15062	503	0.120	0.125	-4.0	15404	501	0.042	0.044	-4.5
14405	505	0.700	0.680	2.9	15062	504	0.102	0.105	-2.9	15404	503	0.055	0.057	-3.5
14527	501	0.243	0.214	13.6	15062	505	0.088	0.091	-3.3	15404	504	0.046	0.048	-4.2
14527	503	0.280	0.247	13.4	15063	501	0.108	0.113	-4.4	15404	505	0.040	0.041	-2.4
14527	504	0.161	0.141	14.2	15063	503	0.140	0.146	-4.1	15405	501	0.062	0.065	-4.6
14527	505	0.229	0.210	9.0	15063	504	0.118	0.122	-3.3	15405	503	0.081	0.084	-3.6
14655	501	0.061	0.053	15.1	15063	505	0.103	0.106	-2.8	15405	504	0.068	0.070	-2.9
14655	503	0.079	0.069	14.5	15070	501	0.078	0.076	2.6	15405	505	0.059	0.061	-3.3
14655	504	0.053	0.046	15.2	15070	503	0.139	0.136	2.2	15406	501	0.159	0.166	-4.2
14655	505	0.056	0.050	12.0	15070	504	0.069	0.067	3.0	15406	503	0.205	0.214	-4.2
14731	501	3.320	2.740	21.2	15070	505	0.094	0.091	3.3	15406	504	0.174	0.179	-2.8
14731	503	3.370	2.760	22.1	15123	501	3.200	2.650	20.8	15406	505	0.150	0.155	-3.2
14731	504	2.370	1.950	21.5	15123	503	3.250	2.670	21.7	15488	501	0.400	0.420	-4.8
14731	505	1.750	1.500	16.7	15123	504	2.300	1.880	22.3	15488	503	0.510	0.530	-3.8
14732	501	0.245	0.203	20.7	15123	505	1.690	1.450	16.6	15488	504	0.430	0.450	-4.4
14732	503	0.249	0.204	22.1	15124	501	1.120	0.930	20.4	15488	505	0.380	0.390	-2.6
14732	504	0.176	0.144	22.2	15124	503	1.140	0.930	22.6	15538	501	0.260	0.229	13.5
14732	505	0.130	0.111	17.1	15124	504	0.800	0.660	21.2	15538	503	0.340	0.300	13.3
14733	501	0.430	0.370	16.2	15124	505	0.590	0.510	15.7	15538	504	0.226	0.197	14.7
14733	503	0.550	0.480	14.6	15188	501	0.164	0.171	-4.1	15538	505	0.240	0.216	11.1
14733	504	0.370	0.320	15.6	15188	503	0.211	0.220	-4.1	15600	501	0.660	0.580	13.8
14733	505	0.390	0.350	11.4	15188	504	0.179	0.185	-3.2	15600	503	0.860	0.750	14.7

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
15600	504	0.570	0.500	14.0	16005	503	0.036	0.032	12.5	16604	501	0.099	0.103	-3.9
15600	505	0.600	0.540	11.1	16005	504	0.021	0.018	16.7	16604	503	0.128	0.133	-3.8
15607	501	0.102	0.100	2.0	16005	505	0.030	0.027	11.1	16604	504	0.108	0.112	-3.6
15607	503	0.182	0.178	2.2	16009	501	0.127	0.133	-4.5	16604	505	0.094	0.097	-3.1
15607	504	0.091	0.088	3.4	16009	503	0.164	0.171	-4.1	16670	501	3.690	2.800	31.8
15607	505	0.122	0.119	2.5	16009	504	0.139	0.143	-2.8	16670	503	6.160	4.660	32.2
15608	501	0.147	0.129	14.0	16009	505	0.120	0.124	-3.2	16670	504	3.690	2.790	32.3
15608	503	0.191	0.166	15.1	16402	501	0.980	0.850	15.3	16670	505	2.500	1.960	27.6
15608	504	0.127	0.110	15.5	16402	503	1.270	1.100	15.5	16676	501	0.205	0.179	14.5
15608	505	0.135	0.121	11.6	16402	504	0.840	0.730	15.1	16676	503	0.270	0.231	16.9
15656	501	4.350	3.800	14.5	16402	505	0.890	0.800	11.2	16676	504	0.176	0.153	15.0
15656	503	5.640	4.910	14.9	16403	501	0.620	0.540	14.8	16676	505	0.187	0.169	10.7
15656	504	3.750	3.260	15.0	16403	503	0.800	0.700	14.3	16694	501	0.195	0.205	-4.9
15656	505	3.980	3.580	11.2	16403	504	0.530	0.460	15.2	16694	503	0.250	0.260	-3.8
15699	501	0.250	0.247	1.2	16403	505	0.570	0.510	11.8	16694	504	0.214	0.220	-2.7
15699	503	0.450	0.440	2.3	16404	501	0.780	0.680	14.7	16694	505	0.185	0.191	-3.1
15699	504	0.224	0.217	3.2	16404	503	1.010	0.880	14.8	16705	501	0.190	0.168	13.1
15699	505	0.300	0.290	3.4	16404	504	0.670	0.580	15.5	16705	503	0.219	0.194	12.9
15733	501	0.104	0.108	-3.7	16404	505	0.710	0.640	10.9	16705	504	0.126	0.111	13.5
15733	503	0.134	0.140	-4.3	16471	501	0.144	0.141	2.1	16705	505	0.180	0.164	9.8
15733	504	0.113	0.117	-3.4	16471	503	0.260	0.250	4.0	16750	501	0.072	0.063	14.3
15733	505	0.098	0.101	-3.0	16471	504	0.128	0.124	3.2	16750	503	0.093	0.081	14.8
15839	501	0.198	0.173	14.5	16471	505	0.173	0.167	3.6	16750	504	0.062	0.054	14.8
15839	503	0.260	0.223	16.6	16501	501	0.067	0.059	13.6	16750	505	0.066	0.059	11.9
15839	504	0.170	0.148	14.9	16501	503	0.077	0.068	13.2	16751	501	0.072	0.063	14.3
15839	505	0.181	0.163	11.0	16501	504	0.044	0.039	12.8	16751	503	0.093	0.081	14.8
15991	501	0.162	0.141	14.9	16501	505	0.063	0.058	8.6	16751	504	0.062	0.054	14.8
15991	503	0.210	0.182	15.4	16527	501	0.103	0.090	14.4	16751	505	0.066	0.059	11.9
15991	504	0.139	0.121	14.9	16527	503	0.118	0.104	13.5	16819	501	0.560	0.590	-5.1
15991	505	0.148	0.133	11.3	16527	504	0.068	0.060	13.3	16819	503	0.730	0.760	-3.9
15993	501	0.137	0.119	15.1	16527	505	0.097	0.089	9.0	16819	504	0.620	0.630	-1.6
15993	503	0.177	0.154	14.9	16588	501	0.059	0.062	-4.8	16819	505	0.530	0.550	-3.6
15993	504	0.118	0.102	15.7	16588	503	0.076	0.079	-3.8	16820	501	0.440	0.460	-4.3
15993	505	0.125	0.112	11.6	16588	504	0.064	0.066	-3.0	16820	503	0.560	0.590	-5.1
16005	501	0.032	0.028	14.3	16588	505	0.056	0.057	-1.8	16820	504	0.480	0.490	-2.0

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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
16820	505	0.410	0.430	-4.7	16906	504	0.780	0.670	16.4	16940	503	2.710	2.320	16.8
16881	501	1.120	0.980	14.3	16906	505	1.180	1.050	12.4	16940	504	1.970	1.690	16.6
16881	503	1.460	1.270	15.0	16910	501	0.780	0.670	16.4	16940	505	3.000	2.670	12.4
16881	504	0.970	0.840	15.5	16910	503	0.950	0.820	15.9	16941	501	0.890	0.760	17.1
16881	505	1.030	0.930	10.8	16910	504	0.690	0.590	16.9	16941	503	1.090	0.930	17.2
16890	501	0.066	0.069	-4.3	16910	505	1.060	0.940	12.8	16941	504	0.790	0.680	16.2
16890	503	0.085	0.089	-4.5	16911	501	0.710	0.610	16.4	16941	505	1.200	1.070	12.1
16890	504	0.072	0.074	-2.7	16911	503	0.860	0.740	16.2	18078	501	0.108	0.095	13.7
16890	505	0.062	0.064	-3.1	16911	504	0.630	0.540	16.7	18078	503	0.124	0.110	12.7
16891	501	0.072	0.075	-4.0	16911	505	0.960	0.850	12.9	18078	504	0.071	0.063	12.7
16891	503	0.093	0.097	-4.1	16915	501	0.800	0.690	15.9	18078	505	0.102	0.093	9.7
16891	504	0.079	0.081	-2.5	16915	503	0.980	0.840	16.7	18109	501	0.270	0.235	14.9
16891	505	0.068	0.070	-2.9	16915	504	0.710	0.610	16.4	18109	503	0.350	0.300	16.7
16892	501	0.131	0.137	-4.4	16915	505	1.080	0.970	11.3	18109	504	0.232	0.202	14.9
16892	503	0.169	0.176	-4.0	16916	501	0.670	0.570	17.5	18109	505	0.246	0.222	10.8
16892	504	0.143	0.147	-2.7	16916	503	0.820	0.700	17.1	18110	501	0.216	0.188	14.9
16892	505	0.124	0.128	-3.1	16916	504	0.590	0.510	15.7	18110	503	0.280	0.243	15.2
16900	501	1.300	1.120	16.1	16916	505	0.900	0.800	12.5	18110	504	0.186	0.162	14.8
16900	503	1.590	1.360	16.9	16920	501	1.780	1.530	16.3	18110	505	0.197	0.177	11.3
16900	504	1.160	0.990	17.2	16920	503	2.170	1.860	16.7	18205	501	0.166	0.147	12.9
16900	505	1.760	1.570	12.1	16920	504	1.580	1.350	17.0	18205	503	0.192	0.169	13.6
16901	501	0.840	0.720	16.7	16920	505	2.400	2.140	12.1	18205	504	0.110	0.097	13.4
16901	503	1.020	0.870	17.2	16921	501	1.630	1.400	16.4	18205	505	0.157	0.144	9.0
16901	504	0.740	0.640	15.6	16921	503	1.980	1.700	16.5	18206	501	0.350	0.300	16.7
16901	505	1.130	1.010	11.9	16921	504	1.440	1.240	16.1	18206	503	0.450	0.390	15.4
16902	501	0.710	0.610	16.4	16921	505	2.200	1.950	12.8	18206	504	0.300	0.260	15.4
16902	503	0.860	0.740	16.2	16930	501	1.020	0.880	15.9	18206	505	0.320	0.290	10.3
16902	504	0.630	0.540	16.7	16930	503	1.250	1.070	16.8	18335	501	0.250	0.220	13.6
16902	505	0.960	0.850	12.9	16930	504	0.910	0.780	16.7	18335	503	0.330	0.280	17.9
16905	501	1.370	1.180	16.1	16930	505	1.380	1.230	12.2	18335	504	0.217	0.188	15.4
16905	503	1.670	1.430	16.8	16931	501	1.100	0.950	15.8	18335	505	0.230	0.207	11.1
16905	504	1.220	1.040	17.3	16931	503	1.350	1.150	17.4	18435	501	0.680	0.590	15.3
16905	505	1.850	1.650	12.1	16931	504	0.980	0.840	16.7	18435	503	0.700	0.610	14.8
16906	501	0.880	0.750	17.3	16931	505	1.490	1.330	12.0	18435	504	0.470	0.410	14.6
16906	503	1.070	0.920	16.3	16940	501	2.220	1.910	16.2	18435	505	0.410	0.370	10.8

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18436	501	0.550	0.480	14.6	18707	505	0.008	0.008	0.0	19795	504	0.183	0.159	15.1
18436	503	0.570	0.490	16.3	18708	501	0.079	0.069	14.5	19795	505	0.194	0.175	10.9
18436	504	0.380	0.330	15.2	18708	503	0.102	0.089	14.6	19796	501	0.248	0.216	14.8
18436	505	0.330	0.300	10.0	18708	504	0.068	0.059	15.3	19796	503	0.320	0.280	14.3
18437	501	0.360	0.310	16.1	18708	505	0.072	0.065	10.8	19796	504	0.214	0.186	15.1
18437	503	0.470	0.410	14.6	18833	501	0.107	0.094	13.8	19796	505	0.227	0.204	11.3
18437	504	0.310	0.270	14.8	18833	503	0.123	0.109	12.8	40045	501	204.000	155.000	31.6
18437	505	0.330	0.300	10.0	18833	504	0.071	0.062	14.5	40045	503	341.000	258.000	32.2
18438	501	0.690	0.600	15.0	18833	505	0.101	0.092	9.8	40045	504	205.000	154.000	33.1
18438	503	0.890	0.780	14.1	18834	501	0.205	0.179	14.5	40045	505	139.000	109.000	27.5
18438	504	0.590	0.520	13.5	18834	503	0.270	0.231	16.9	40046	501	40.400	30.600	32.0
18438	505	0.630	0.570	10.5	18834	504	0.176	0.153	15.0	40046	503	67.400	51.000	32.2
18501	501	0.620	0.540	14.8	18834	505	0.187	0.169	10.7	40046	504	40.400	30.500	32.5
18501	503	0.640	0.560	14.3	18911	501	0.650	0.560	16.1	40046	505	27.400	21.500	27.4
18501	504	0.430	0.370	16.2	18911	503	0.840	0.730	15.1	40047	501	14.400	10.900	32.1
18501	505	0.380	0.340	11.8	18911	504	0.560	0.480	16.7	40047	503	24.000	18.200	31.9
18506	501	0.207	0.217	-4.6	18911	505	0.590	0.530	11.3	40047	504	14.400	10.900	32.1
18506	503	0.270	0.280	-3.6	18912	501	1.220	1.060	15.1	40047	505	9.760	7.670	27.2
18506	504	0.227	0.234	-3.0	18912	503	1.580	1.370	15.3	40059	501	5.160	3.910	32.0
18506	505	0.196	0.202	-3.0	18912	504	1.050	0.910	15.4	40059	503	8.600	6.510	32.1
18507	501	0.129	0.113	14.2	18912	505	1.110	1.000	11.0	40059	504	5.160	3.900	32.3
18507	503	0.168	0.146	15.1	18920	501	0.320	0.280	14.3	40059	505	3.500	2.750	27.3
18507	504	0.111	0.097	14.4	18920	503	0.410	0.360	13.9	40061	501	2.740	2.070	32.4
18507	505	0.118	0.106	11.3	18920	504	0.270	0.237	13.9	40061	503	4.560	3.450	32.2
18570	501	1.350	1.180	14.4	18920	505	0.290	0.260	11.5	40061	504	2.740	2.070	32.4
18570	503	1.750	1.520	15.1	19007	501	1.250	1.030	21.4	40061	505	1.850	1.460	26.7
18570	504	1.160	1.010	14.9	19007	503	1.270	1.040	22.1	40063	501	91.500	69.300	32.0
18570	505	1.240	1.110	11.7	19007	504	0.900	0.740	21.6	40063	503	153.000	115.000	33.0
18616	501	0.158	0.165	-4.2	19007	505	0.660	0.570	15.8	40063	504	91.600	69.200	32.4
18616	503	0.204	0.212	-3.8	19051	501	2.780	2.290	21.4	40063	505	62.000	48.700	27.3
18616	504	0.173	0.178	-2.8	19051	503	2.820	2.310	22.1	40064	501	26.900	20.400	31.9
18616	505	0.149	0.154	-3.2	19051	504	1.990	1.630	22.1	40064	503	44.900	33.900	32.4
18707	501	0.009	0.008	12.5	19051	505	1.470	1.260	16.7	40064	504	26.900	20.300	32.5
18707	503	0.010	0.009	11.1	19795	501	0.212	0.185	14.6	40064	505	18.200	14.300	27.3
18707	504	0.006	0.005	20.0	19795	503	0.270	0.239	13.0	40075	501	42.700	34.800	22.7

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40075	503	39.100	31.800	23.0	41604	501	12.000	9.650	24.4	41670	505	0.630	0.500	26.0
40075	504	16.200	13.200	22.7	41604	503	7.150	5.740	24.6	41677	501	0.150	0.147	2.0
40075	505	21.200	17.900	18.4	41604	504	7.490	6.000	24.8	41677	503	0.270	0.260	3.8
40101	501	24.700	21.100	17.1	41604	505	5.040	4.190	20.3	41677	504	0.133	0.129	3.1
40101	503	34.800	29.700	17.2	41620	501	0.730	0.710	2.8	41677	505	0.180	0.174	3.4
40101	504	11.900	10.200	16.7	41620	503	1.290	1.270	1.6	41678	501	66.500	56.500	17.7
40101	505	9.740	8.640	12.7	41620	504	0.650	0.630	3.2	41678	503	45.400	38.500	17.9
40102	501	21.800	18.600	17.2	41620	505	0.870	0.840	3.6	41678	504	37.600	31.800	18.2
40102	503	30.800	26.200	17.6	41650	501	30.800	24.700	24.7	41678	505	26.900	23.700	13.5
40102	504	10.500	8.970	17.1	41650	503	18.300	14.700	24.5	41680	501	16.000	12.900	24.0
40102	505	8.610	7.640	12.7	41650	504	19.200	15.400	24.7	41680	503	9.540	7.650	24.7
40111	501	7.250	5.490	32.1	41650	505	12.900	10.800	19.4	41680	504	9.990	8.000	24.9
40111	503	12.100	9.140	32.4	41664	501	31.000	23.500	31.9	41680	505	6.720	5.590	20.2
40111	504	7.260	5.480	32.5	41664	503	51.600	39.000	32.3	41696	501	0.470	0.460	2.2
40111	505	4.910	3.860	27.2	41664	504	31.000	23.400	32.5	41696	503	0.840	0.830	1.2
41001	501	0.245	0.185	32.4	41664	505	21.000	16.500	27.3	41696	504	0.420	0.410	2.4
41001	503	0.410	0.310	32.3	41665	501	3.630	2.750	32.0	41696	505	0.570	0.550	3.6
41001	504	0.245	0.185	32.4	41665	503	6.050	4.570	32.4	41697	501	0.330	0.320	3.1
41001	505	0.166	0.130	27.7	41665	504	3.630	2.740	32.5	41697	503	0.590	0.580	1.7
41421	501	0.460	0.370	24.3	41665	505	2.460	1.930	27.5	41697	504	0.290	0.280	3.6
41421	503	0.280	0.221	26.7	41667	501	84.600	64.100	32.0	41697	505	0.400	0.380	5.3
41421	504	0.290	0.231	25.5	41667	503	141.000	107.000	31.8	41715	501	10.200	8.160	25.0
41421	505	0.194	0.161	20.5	41667	504	84.700	63.900	32.6	41715	503	6.050	4.860	24.5
41422	501	0.246	0.198	24.2	41667	505	57.300	45.000	27.3	41715	504	6.340	5.080	24.8
41422	503	0.147	0.118	24.6	41668	501	79.300	60.100	31.9	41715	505	4.270	3.550	20.3
41422	504	0.154	0.123	25.2	41668	503	132.000	100.000	32.0	41716	501	6.460	5.200	24.2
41422	505	0.103	0.086	19.8	41668	504	79.400	59.900	32.6	41716	503	3.850	3.090	24.6
41510	501	32.500	28.400	14.4	41668	505	53.700	42.200	27.3	41716	504	4.030	3.230	24.8
41510	503	42.100	36.700	14.7	41669	501	0.560	0.420	33.3	41716	505	2.710	2.260	19.9
41510	504	28.000	24.400	14.8	41669	503	0.930	0.700	32.9	43151	501	21.200	17.300	22.5
41510	505	29.700	26.800	10.8	41669	504	0.560	0.420	33.3	43151	503	19.500	15.800	23.4
41603	501	21.900	17.600	24.4	41669	505	0.380	0.300	26.7	43151	504	8.060	6.540	23.2
41603	503	13.000	10.400	25.0	41670	501	0.930	0.710	31.0	43151	505	10.500	8.910	17.8
41603	504	13.600	10.900	24.8	41670	503	1.560	1.180	32.2	43152	501	19.900	16.900	17.8
41603	505	9.180	7.630	20.3	41670	504	0.930	0.710	31.0	43152	503	13.600	11.500	18.3

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43152	504	11.300	9.530	18.6	43628	503	230.000	174.000	32.2	44070	501	3.360	2.540	32.3
43152	505	8.040	7.090	13.4	43628	504	138.000	104.000	32.7	44070	503	5.600	4.230	32.4
43200	501	80.900	65.800	22.9	43628	505	93.400	73.400	27.2	44070	504	3.360	2.540	32.3
43200	503	74.100	60.300	22.9	43629	501	117.000	88.500	32.2	44070	505	2.280	1.790	27.4
43200	504	30.700	24.900	23.3	43629	503	195.000	147.000	32.7	44071	501	3.740	2.830	32.2
43200	505	40.100	33.900	18.3	43629	504	117.000	88.300	32.5	44071	503	6.230	4.710	32.3
43421	501	22.200	18.000	23.3	43629	505	79.100	62.200	27.2	44071	504	3.740	2.820	32.6
43421	503	20.300	16.500	23.0	43760	501	3.890	2.950	31.9	44071	505	2.530	1.990	27.1
43421	504	8.410	6.820	23.3	43760	503	6.490	4.910	32.2	44072	501	2.580	1.950	32.3
43421	505	11.000	9.290	18.4	43760	504	3.900	2.940	32.7	44072	503	4.300	3.250	32.3
43422	501	116.000	94.700	22.5	43760	505	2.640	2.070	27.5	44072	504	2.580	1.950	32.3
43422	503	107.000	86.700	23.4	43822	501	2.200	2.150	2.3	44072	505	1.750	1.370	27.7
43422	504	44.100	35.800	23.2	43822	503	3.910	3.830	2.1	44100	501	1.600	1.370	16.8
43422	505	57.700	48.800	18.2	43822	504	1.950	1.890	3.2	44100	503	1.690	1.450	16.6
43470	501	2.760	2.710	1.8	43822	505	2.640	2.550	3.5	44100	504	3.810	3.250	17.2
43470	503	4.910	4.820	1.9	43840	501	0.027	0.026	3.8	44100	505	1.430	1.280	11.7
43470	504	2.450	2.380	2.9	43840	503	0.048	0.047	2.1	44101	501	1.670	1.430	16.8
43470	505	3.310	3.210	3.1	43840	504	0.024	0.023	4.3	44101	503	1.760	1.510	16.6
43518	501	13.300	10.100	31.7	43840	505	0.032	0.031	3.2	44101	504	3.960	3.390	16.8
43518	503	22.100	16.700	32.3	43860	501	1.730	1.690	2.4	44101	505	1.490	1.330	12.0
43518	504	13.300	10.000	33.0	43860	503	3.080	3.020	2.0	44102	501	1.300	1.120	16.1
43518	505	9.000	7.070	27.3	43860	504	1.540	1.490	3.4	44102	503	1.380	1.180	16.9
43550	501	79.000	64.400	22.7	43860	505	2.070	2.010	3.0	44102	504	3.090	2.640	17.0
43550	503	72.400	58.900	22.9	43889	501	0.620	0.610	1.6	44102	505	1.160	1.040	11.5
43550	504	30.000	24.300	23.5	43889	503	1.100	1.080	1.9	44103	501	1.150	0.990	16.2
43550	505	39.200	33.200	18.1	43889	504	0.550	0.530	3.8	44103	503	1.220	1.040	17.3
43551	501	43.900	35.700	23.0	43889	505	0.740	0.720	2.8	44103	504	2.740	2.340	17.1
43551	503	40.200	32.700	22.9	44009	501	3.910	3.230	21.1	44103	505	1.030	0.920	12.0
43551	504	16.600	13.500	23.0	44009	503	3.970	3.260	21.8	44104	501	0.480	0.410	17.1
43551	505	21.800	18.400	18.5	44009	504	2.800	2.290	22.3	44104	503	0.510	0.440	15.9
43626	501	10.600	8.040	31.8	44009	505	2.060	1.770	16.4	44104	504	1.150	0.980	17.3
43626	503	17.700	13.400	32.1	44069	501	11.300	8.590	31.5	44104	505	0.430	0.390	10.3
43626	504	10.600	8.020	32.2	44069	503	18.900	14.300	32.2	44108	501	0.570	0.490	16.3
43626	505	7.190	5.650	27.3	44069	504	11.400	8.570	33.0	44108	503	0.600	0.510	17.6
43628	501	138.000	104.000	32.7	44069	505	7.680	6.040	27.2	44108	504	1.350	1.150	17.4

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44108	505	0.510	0.450	13.3	44315	504	4.610	3.480	32.5	44435	503	84.400	71.800	17.5
44109	501	1.430	1.230	16.3	44315	505	3.120	2.450	27.3	44435	504	28.900	24.600	17.5
44109	503	1.520	1.300	16.9	44427	501	89.200	76.300	16.9	44435	505	23.600	20.900	12.9
44109	504	3.410	2.910	17.2	44427	503	126.000	107.000	17.8	44436	501	69.800	59.700	16.9
44109	505	1.280	1.140	12.3	44427	504	43.100	36.700	17.4	44436	503	98.500	83.900	17.4
44110	501	1.470	1.260	16.7	44427	505	35.200	31.200	12.8	44436	504	33.700	28.700	17.4
44110	503	1.550	1.330	16.5	44428	501	89.700	76.700	16.9	44436	505	27.500	24.400	12.7
44110	504	3.490	2.980	17.1	44428	503	127.000	108.000	17.6	44437	501	57.800	49.500	16.8
44110	505	1.310	1.170	12.0	44428	504	43.400	36.900	17.6	44437	503	81.700	69.500	17.6
44111	501	0.900	0.770	16.9	44428	505	35.400	31.400	12.7	44437	504	27.900	23.800	17.2
44111	503	0.950	0.810	17.3	44429	501	1.350	1.150	17.4	44437	505	22.800	20.300	12.3
44111	504	2.140	1.830	16.9	44429	503	1.900	1.620	17.3	44438	501	45.700	39.100	16.9
44111	505	0.810	0.720	12.5	44429	504	0.650	0.550	18.2	44438	503	64.500	54.900	17.5
44112	501	0.530	0.460	15.2	44429	505	0.530	0.470	12.8	44438	504	22.100	18.800	17.6
44112	503	0.560	0.480	16.7	44430	501	0.940	0.800	17.5	44438	505	18.000	16.000	12.5
44112	504	1.270	1.080	17.6	44430	503	1.320	1.120	17.9	44439	501	89.000	76.100	17.0
44112	505	0.480	0.430	11.6	44430	504	0.450	0.380	18.4	44439	503	126.000	107.000	17.8
44276	501	109.000	88.400	23.3	44430	505	0.370	0.330	12.1	44439	504	43.000	36.600	17.5
44276	503	99.400	80.900	22.9	44431	501	2.990	2.550	17.3	44439	505	35.100	31.200	12.5
44276	504	41.200	33.400	23.4	44431	503	4.220	3.590	17.5	44440	501	73.600	63.000	16.8
44276	505	53.900	45.500	18.5	44431	504	1.440	1.230	17.1	44440	503	104.000	88.500	17.5
44277	501	70.400	57.300	22.9	44431	505	1.180	1.050	12.4	44440	504	35.600	30.300	17.5
44277	503	64.500	52.400	23.1	44432	501	0.950	0.810	17.3	44440	505	29.100	25.800	12.8
44277	504	26.700	21.700	23.0	44432	503	1.340	1.140	17.5	45190	501	2.220	2.000	11.0
44277	505	34.900	29.500	18.3	44432	504	0.460	0.390	17.9	45190	503	3.540	3.180	11.3
44280	501	0.150	0.147	2.0	44432	505	0.370	0.330	12.1	45190	504	1.790	1.610	11.2
44280	503	0.270	0.260	3.8	44433	501	30.200	25.800	17.1	45190	505	1.570	1.460	7.5
44280	504	0.133	0.129	3.1	44433	503	42.600	36.300	17.4	45191	501	1.580	1.420	11.3
44280	505	0.180	0.174	3.4	44433	504	14.600	12.400	17.7	45191	503	2.520	2.260	11.5
44311	501	6.850	5.190	32.0	44433	505	11.900	10.600	12.3	45191	504	1.270	1.140	11.4
44311	503	11.400	8.640	31.9	44434	501	57.700	49.300	17.0	45191	505	1.110	1.040	6.7
44311	504	6.860	5.180	32.4	44434	503	81.500	69.400	17.4	45192	501	1.850	1.660	11.4
44311	505	4.640	3.650	27.1	44434	504	27.900	23.700	17.7	45192	503	2.940	2.640	11.4
44315	501	4.600	3.490	31.8	44434	505	22.800	20.200	12.9	45192	504	1.490	1.340	11.2
44315	503	7.680	5.800	32.4	44435	501	59.800	51.100	17.0	45192	505	1.300	1.220	6.6

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45193	501	1.090	0.980	11.2	45900	505	0.069	0.062	11.3	46427	504	25.600	21.700	18.0
45193	503	1.740	1.560	11.5	45901	501	0.065	0.056	16.1	46427	505	18.300	16.100	13.7
45193	504	0.880	0.790	11.4	45901	503	0.084	0.073	15.1	46603	501	2.850	2.420	17.8
45193	505	0.770	0.720	6.9	45901	504	0.056	0.048	16.7	46603	503	1.940	1.650	17.6
45210	501	1.380	1.240	11.3	45901	505	0.059	0.053	11.3	46603	504	1.610	1.360	18.4
45210	503	2.200	1.970	11.7	45937	501	0.183	0.149	22.8	46603	505	1.150	1.010	13.9
45210	504	1.110	1.000	11.0	45937	503	0.167	0.136	22.8	46604	501	3.280	2.790	17.6
45210	505	0.970	0.910	6.6	45937	504	0.069	0.056	23.2	46604	503	2.240	1.900	17.9
45334	501	46.600	37.900	23.0	45937	505	0.091	0.077	18.2	46604	504	1.860	1.570	18.5
45334	503	42.700	34.700	23.1	46004	501	29.200	23.500	24.3	46604	505	1.330	1.170	13.7
45334	504	17.700	14.400	22.9	46004	503	17.400	14.000	24.3	46606	501	8.750	7.440	17.6
45334	505	23.100	19.500	18.5	46004	504	18.300	14.600	25.3	46606	503	5.980	5.060	18.2
45380	501	0.121	0.127	-4.7	46004	505	12.300	10.200	20.6	46606	504	4.950	4.190	18.1
45380	503	0.157	0.163	-3.7	46005	501	23.400	18.800	24.5	46606	505	3.530	3.120	13.1
45380	504	0.133	0.137	-2.9	46005	503	13.900	11.200	24.1	46607	501	12.000	10.200	17.6
45380	505	0.115	0.118	-2.5	46005	504	14.600	11.700	24.8	46607	503	8.220	6.960	18.1
45450	501	13.700	11.200	22.3	46005	505	9.820	8.170	20.2	46607	504	6.800	5.760	18.1
45450	503	12.600	10.200	23.5	46112	501	0.097	0.083	16.9	46607	505	4.860	4.280	13.6
45450	504	5.200	4.220	23.2	46112	503	0.137	0.117	17.1	46622	501	6.420	6.290	2.1
45450	505	6.800	5.750	18.3	46112	504	0.047	0.040	17.5	46622	503	11.400	11.200	1.8
45678	501	0.162	0.159	1.9	46112	505	0.038	0.034	11.8	46622	504	5.700	5.530	3.1
45678	503	0.290	0.280	3.6	46202	501	2.820	2.540	11.0	46622	505	7.700	7.460	3.2
45678	504	0.144	0.140	2.9	46202	503	4.500	4.040	11.4	46700	501	163.000	132.000	23.5
45678	505	0.194	0.188	3.2	46202	504	2.280	2.040	11.8	46700	503	149.000	121.000	23.1
45771	501	0.185	0.193	-4.1	46202	505	1.990	1.860	7.0	46700	504	61.700	50.100	23.2
45771	503	0.239	0.249	-4.0	46362	501	232.000	197.000	17.8	46700	505	80.700	68.200	18.3
45771	504	0.202	0.208	-2.9	46362	503	159.000	134.000	18.7	46911	501	21.000	15.900	32.1
45771	505	0.175	0.181	-3.3	46362	504	131.000	111.000	18.0	46911	503	35.000	26.500	32.1
45819	501	0.060	0.063	-4.8	46362	505	93.800	82.700	13.4	46911	504	21.000	15.900	32.1
45819	503	0.078	0.081	-3.7	46426	501	33.900	28.800	17.7	46911	505	14.200	11.200	26.8
45819	504	0.066	0.068	-2.9	46426	503	23.200	19.600	18.4	46912	501	38.500	29.100	32.3
45819	505	0.057	0.059	-3.4	46426	504	19.200	16.200	18.5	46912	503	64.100	48.500	32.2
45900	501	0.075	0.066	13.6	46426	505	13.700	12.100	13.2	46912	504	38.500	29.100	32.3
45900	503	0.098	0.085	15.3	46427	501	45.300	38.500	17.7	46912	505	26.100	20.500	27.3
45900	504	0.065	0.057	14.0	46427	503	30.900	26.200	17.9	47050	501	0.600	0.590	1.7

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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
47050	503	1.070	1.050	1.9	47475	501	4.620	3.710	24.5	48558	505	6.950	5.460	27.3
47050	504	0.530	0.520	1.9	47475	503	2.750	2.210	24.4	48600	501	67.800	57.600	17.7
47050	505	0.720	0.700	2.9	47475	504	2.880	2.310	24.7	48600	503	46.300	39.300	17.8
47221	501	178.000	145.000	22.8	47475	505	1.940	1.610	20.5	48600	504	38.300	32.500	17.8
47221	503	163.000	133.000	22.6	47476	501	4.620	3.710	24.5	48600	505	27.400	24.200	13.2
47221	504	67.700	54.900	23.3	47476	503	2.750	2.210	24.4	48636	501	0.820	0.880	-6.8
47221	505	88.600	74.800	18.4	47476	504	2.880	2.310	24.7	48636	503	0.550	0.590	-6.8
47318	501	8.630	6.540	32.0	47476	505	1.940	1.610	20.5	48636	504	1.040	1.100	-5.5
47318	503	14.400	10.900	32.1	47477	501	6.160	4.950	24.4	48636	505	0.850	0.910	-6.6
47318	504	8.640	6.520	32.5	47477	503	3.670	2.940	24.8	48637	501	9.010	6.820	32.1
47318	505	5.850	4.590	27.5	47477	504	3.840	3.080	24.7	48637	503	15.000	11.400	31.6
47367	501	0.150	0.147	2.0	47477	505	2.590	2.150	20.5	48637	504	9.010	6.810	32.3
47367	503	0.270	0.260	3.8	47478	501	6.460	5.200	24.2	48637	505	6.100	4.790	27.3
47367	504	0.133	0.129	3.1	47478	503	3.850	3.090	24.6	48638	501	4.470	3.390	31.9
47367	505	0.180	0.174	3.4	47478	504	4.030	3.230	24.8	48638	503	7.450	5.640	32.1
47420	501	1.890	1.430	32.2	47478	505	2.710	2.260	19.9	48638	504	4.470	3.380	32.2
47420	503	3.150	2.380	32.4	48039	501	57.300	46.700	22.7	48638	505	3.030	2.380	27.3
47420	504	1.890	1.430	32.2	48039	503	52.500	42.700	23.0	48808	501	1.110	0.970	14.4
47420	505	1.280	1.010	26.7	48039	504	21.800	17.700	23.2	48808	503	1.440	1.260	14.3
47469	501	4.620	3.710	24.5	48039	505	28.500	24.100	18.3	48808	504	0.960	0.830	15.7
47469	503	2.750	2.210	24.4	48206	501	28.100	21.300	31.9	48808	505	1.020	0.920	10.9
47469	504	2.880	2.310	24.7	48206	503	46.800	35.400	32.2	48925	501	216.000	163.000	32.5
47469	505	1.940	1.610	20.5	48206	504	28.100	21.200	32.5	48925	503	359.000	272.000	32.0
47471	501	4.000	3.220	24.2	48206	505	19.000	14.900	27.5	48925	504	216.000	163.000	32.5
47471	503	2.380	1.910	24.6	48441	501	0.118	0.089	32.6	48925	505	146.000	115.000	27.0
47471	504	2.500	2.000	25.0	48441	503	0.197	0.149	32.2	49005	501	0.102	0.100	2.0
47471	505	1.680	1.400	20.0	48441	504	0.118	0.089	32.6	49005	503	0.182	0.178	2.2
47473	501	5.230	4.210	24.2	48441	505	0.080	0.063	27.0	49005	504	0.091	0.088	3.4
47473	503	3.120	2.500	24.8	48557	501	11.800	8.930	32.1	49005	505	0.122	0.119	2.5
47473	504	3.270	2.620	24.8	48557	503	19.700	14.900	32.2	49111	501	1.700	1.490	14.1
47473	505	2.200	1.830	20.2	48557	504	11.800	8.910	32.4	49111	503	2.210	1.920	15.1
47474	501	5.850	4.700	24.5	48557	505	7.990	6.270	27.4	49111	504	1.470	1.280	14.8
47474	503	3.480	2.800	24.3	48558	501	10.300	7.770	32.6	49111	505	1.560	1.400	11.4
47474	504	3.650	2.920	25.0	48558	503	17.100	12.900	32.6	49181	501	18.700	15.300	22.2
47474	505	2.460	2.040	20.6	48558	504	10.300	7.750	32.9	49181	503	17.200	14.000	22.9

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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
49181	504	7.110	5.770	23.2	49619	503	0.420	0.350	20.0	50017	501	0.032	0.034	-5.9
49181	505	9.300	7.860	18.3	49619	504	0.300	0.245	22.4	50017	503	0.041	0.045	-8.9
49183	501	22.800	18.600	22.6	49619	505	0.220	0.188	17.0	50017	504	0.037	0.039	-5.1
49183	503	20.900	17.000	22.9	49763	501	2.710	2.240	21.0	50017	505	0.044	0.048	-8.3
49183	504	8.670	7.040	23.2	49763	503	2.750	2.260	21.7	50045	501	0.073	0.078	-6.4
49183	505	11.300	9.580	18.0	49763	504	1.940	1.590	22.0	50045	503	0.094	0.103	-8.7
49184	501	48.200	39.200	23.0	49763	505	1.430	1.220	17.2	50045	504	0.085	0.089	-4.5
49184	503	44.200	35.900	23.1	49801	501	157.000	128.000	22.7	50045	505	0.101	0.109	-7.3
49184	504	18.300	14.800	23.6	49801	503	144.000	117.000	23.1	50047	501	0.008	0.009	-11.1
49184	505	23.900	20.200	18.3	49801	504	59.600	48.400	23.1	50047	503	0.011	0.012	-8.3
49185	501	43.900	35.700	23.0	49801	505	78.000	65.900	18.4	50047	504	0.010	0.010	0.0
49185	503	40.200	32.700	22.9	49802	501	13.900	11.300	23.0	50047	505	0.011	0.012	-8.3
49185	504	16.600	13.500	23.0	49802	503	12.800	10.400	23.1	51001	501	0.028	0.030	-6.7
49185	505	21.800	18.400	18.5	49802	504	5.290	4.290	23.3	51001	503	0.019	0.020	-5.0
49239	501	0.091	0.095	-4.2	49802	505	6.920	5.840	18.5	51001	504	0.036	0.038	-5.3
49239	503	0.117	0.122	-4.1	49803	501	24.700	20.100	22.9	51001	505	0.029	0.031	-6.5
49239	504	0.099	0.102	-2.9	49803	503	22.600	18.400	22.8	51005	501	0.006	0.006	0.0
49239	505	0.086	0.089	-3.4	49803	504	9.360	7.600	23.2	51005	503	0.004	0.004	0.0
49292	501	1.370	1.120	22.3	49803	505	12.200	10.300	18.4	51005	504	0.007	0.008	-12.5
49292	503	1.260	1.020	23.5	49840	501	0.620	0.610	1.6	51005	505	0.006	0.006	0.0
49292	504	0.520	0.420	23.8	49840	503	1.100	1.080	1.9	51116	501	0.071	0.076	-6.6
49292	505	0.680	0.570	19.3	49840	504	0.550	0.530	3.8	51116	503	0.047	0.051	-7.8
49333	501	10.100	8.180	23.5	49840	505	0.740	0.720	2.8	51116	504	0.090	0.095	-5.3
49333	503	9.210	7.490	23.0	49870	501	90.100	68.300	31.9	51116	505	0.074	0.079	-6.3
49333	504	3.810	3.100	22.9	49870	503	150.000	114.000	31.6	51201	501	0.011	0.012	-8.3
49333	505	4.990	4.220	18.2	49870	504	90.200	68.100	32.5	51201	503	0.014	0.016	-12.5
49617	501	0.260	0.218	19.3	49870	505	61.000	48.000	27.1	51201	504	0.013	0.013	0.0
49617	503	0.270	0.220	22.7	50010	501	0.065	0.069	-5.8	51201	505	0.015	0.016	-6.3
49617	504	0.189	0.155	21.9	50010	503	0.083	0.091	-8.8	51205	501	0.034	0.036	-5.6
49617	505	0.139	0.119	16.8	50010	504	0.075	0.079	-5.1	51205	503	0.043	0.047	-8.5
49618	501	0.222	0.183	21.3	50010	505	0.089	0.096	-7.3	51205	504	0.039	0.041	-4.9
49618	503	0.225	0.185	21.6	50015	501	0.042	0.045	-6.7	51205	505	0.046	0.050	-8.0
49618	504	0.159	0.130	22.3	50015	503	0.054	0.059	-8.5	51206	501	0.005	0.006	-16.7
49618	505	0.117	0.100	17.0	50015	504	0.049	0.051	-3.9	51206	503	0.007	0.007	0.0
49619	501	0.420	0.340	23.5	50015	505	0.058	0.063	-7.9	51206	504	0.006	0.006	0.0

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LOSS COST % CHANGE BY CLASS

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51206	505	0.007	0.008	-12.5	51250	504	0.164	0.174	-5.7	51330	503	0.033	0.036	-8.3
51210	501	0.049	0.053	-7.5	51250	505	0.135	0.143	-5.6	51330	504	0.063	0.067	-6.0
51210	503	0.033	0.035	-5.7	51251	501	0.011	0.012	-8.3	51330	505	0.052	0.055	-5.5
51210	504	0.062	0.066	-6.1	51251	503	0.015	0.016	-6.3	51333	501	0.016	0.018	-11.1
51210	505	0.051	0.054	-5.6	51251	504	0.013	0.014	-7.1	51333	503	0.011	0.012	-8.3
51220	501	0.169	0.181	-6.6	51251	505	0.016	0.017	-5.9	51333	504	0.021	0.022	-4.5
51220	503	0.113	0.121	-6.6	51252	501	0.040	0.043	-7.0	51333	505	0.017	0.018	-5.6
51220	504	0.214	0.226	-5.3	51252	503	0.052	0.057	-8.8	51340	501	0.011	0.012	-8.3
51220	505	0.175	0.187	-6.4	51252	504	0.046	0.049	-6.1	51340	503	0.014	0.015	-6.7
51221	501	0.094	0.101	-6.9	51252	505	0.055	0.060	-8.3	51340	504	0.013	0.013	0.0
51221	503	0.063	0.067	-6.0	51253	501	0.034	0.037	-8.1	51340	505	0.015	0.016	-6.3
51221	504	0.119	0.125	-4.8	51253	503	0.044	0.048	-8.3	51350	501	0.187	0.194	-3.6
51221	505	0.097	0.104	-6.7	51253	504	0.040	0.042	-4.8	51350	503	0.182	0.190	-4.2
51222	501	0.114	0.122	-6.6	51253	505	0.047	0.051	-7.8	51350	504	0.089	0.092	-3.3
51222	503	0.076	0.082	-7.3	51254	501	0.011	0.011	0.0	51350	505	0.149	0.154	-3.2
51222	504	0.145	0.153	-5.2	51254	503	0.014	0.015	-6.7	51351	501	0.167	0.174	-4.0
51222	505	0.118	0.126	-6.3	51254	504	0.012	0.013	-7.7	51351	503	0.163	0.170	-4.1
51224	501	0.120	0.128	-6.2	51254	505	0.015	0.016	-6.3	51351	504	0.080	0.083	-3.6
51224	503	0.080	0.086	-7.0	51255	501	0.330	0.350	-5.7	51351	505	0.133	0.138	-3.6
51224	504	0.151	0.160	-5.6	51255	503	0.220	0.235	-6.4	51352	501	0.230	0.239	-3.8
51224	505	0.124	0.132	-6.1	51255	504	0.420	0.440	-4.5	51352	503	0.224	0.234	-4.3
51230	501	0.020	0.022	-9.1	51255	505	0.340	0.360	-5.6	51352	504	0.110	0.113	-2.7
51230	503	0.014	0.015	-6.7	51300	501	0.111	0.116	-4.3	51352	505	0.183	0.190	-3.7
51230	504	0.026	0.027	-3.7	51300	503	0.108	0.113	-4.4	51355	501	0.156	0.163	-4.3
51230	505	0.021	0.022	-4.5	51300	504	0.053	0.055	-3.6	51355	503	0.153	0.159	-3.8
51240	501	0.133	0.143	-7.0	51300	505	0.089	0.092	-3.3	51355	504	0.075	0.077	-2.6
51240	503	0.171	0.187	-8.6	51305	501	0.111	0.116	-4.3	51355	505	0.125	0.129	-3.1
51240	504	0.154	0.162	-4.9	51305	503	0.108	0.113	-4.4	51356	501	0.169	0.175	-3.4
51240	505	0.183	0.198	-7.6	51305	504	0.053	0.055	-3.6	51356	503	0.164	0.172	-4.7
51241	501	0.400	0.420	-4.8	51305	505	0.089	0.092	-3.3	51356	504	0.081	0.083	-2.4
51241	503	0.510	0.560	-8.9	51315	501	0.059	0.062	-4.8	51356	505	0.134	0.139	-3.6
51241	504	0.460	0.480	-4.2	51315	503	0.076	0.079	-3.8	51357	501	0.084	0.087	-3.4
51241	505	0.540	0.590	-8.5	51315	504	0.064	0.066	-3.0	51357	503	0.108	0.113	-4.4
51250	501	0.130	0.139	-6.5	51315	505	0.056	0.057	-1.8	51357	504	0.091	0.094	-3.2
51250	503	0.087	0.093	-6.5	51330	501	0.050	0.054	-7.4	51357	505	0.079	0.082	-3.7

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STATE: 21 - MICHIGAN
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
51358	501	0.201	0.211	-4.7	51517	505	0.061	0.059	3.4	51613	504	0.030	0.032	-6.3
51358	503	0.260	0.270	-3.7	51550	501	0.030	0.033	-9.1	51613	505	0.036	0.039	-7.7
51358	504	0.220	0.227	-3.1	51550	503	0.039	0.043	-9.3	51625	501	0.026	0.028	-7.1
51358	505	0.191	0.197	-3.0	51550	504	0.035	0.037	-5.4	51625	503	0.017	0.018	-5.6
51359	501	0.177	0.185	-4.3	51550	505	0.042	0.045	-6.7	51625	504	0.033	0.035	-5.7
51359	503	0.228	0.238	-4.2	51551	501	0.011	0.011	0.0	51625	505	0.027	0.029	-6.9
51359	504	0.193	0.199	-3.0	51551	503	0.014	0.015	-6.7	51666	501	0.079	0.083	-4.8
51359	505	0.167	0.172	-2.9	51551	504	0.012	0.013	-7.7	51666	503	0.077	0.081	-4.9
51370	501	0.130	0.139	-6.5	51551	505	0.014	0.016	-12.5	51666	504	0.038	0.039	-2.6
51370	503	0.167	0.183	-8.7	51552	501	0.018	0.020	-10.0	51666	505	0.063	0.066	-4.5
51370	504	0.150	0.158	-5.1	51552	503	0.023	0.026	-11.5	51702	501	0.078	0.083	-6.0
51370	505	0.178	0.193	-7.8	51552	504	0.021	0.022	-4.5	51702	503	0.052	0.055	-5.5
51380	501	0.013	0.014	-7.1	51552	505	0.025	0.027	-7.4	51702	504	0.098	0.104	-5.8
51380	503	0.017	0.018	-5.6	51553	501	0.033	0.035	-5.7	51702	505	0.080	0.086	-7.0
51380	504	0.015	0.016	-6.3	51553	503	0.042	0.046	-8.7	51703	501	0.032	0.034	-5.9
51380	505	0.018	0.019	-5.3	51553	504	0.038	0.040	-5.0	51703	503	0.021	0.023	-8.7
51400	501	0.117	0.126	-7.1	51553	505	0.045	0.048	-6.3	51703	504	0.041	0.043	-4.7
51400	503	0.078	0.084	-7.1	51554	501	0.003	0.003	0.0	51703	505	0.033	0.035	-5.7
51400	504	0.148	0.157	-5.7	51554	503	0.004	0.004	0.0	51734	501	0.060	0.065	-7.7
51400	505	0.122	0.130	-6.2	51554	504	0.004	0.004	0.0	51734	503	0.040	0.043	-7.0
51401	501	0.173	0.185	-6.5	51554	505	0.004	0.005	-20.0	51734	504	0.076	0.081	-6.2
51401	503	0.115	0.124	-7.3	51575	501	0.050	0.052	-3.8	51734	505	0.062	0.067	-7.5
51401	504	0.219	0.231	-5.2	51575	503	0.049	0.051	-3.9	51741	501	0.069	0.074	-6.8
51401	505	0.179	0.191	-6.3	51575	504	0.024	0.025	-4.0	51741	503	0.089	0.097	-8.2
51500	501	0.025	0.026	-3.8	51575	505	0.040	0.041	-2.4	51741	504	0.080	0.084	-4.8
51500	503	0.032	0.035	-8.6	51576	501	0.058	0.063	-7.9	51741	505	0.095	0.103	-7.8
51500	504	0.028	0.030	-6.7	51576	503	0.075	0.082	-8.5	51752	501	0.058	0.063	-7.9
51500	505	0.034	0.037	-8.1	51576	505	0.067	0.071	-5.6	51752	503	0.075	0.082	-8.5
51516	501	0.045	0.044	2.3	51576	505	0.080	0.087	-8.0	51752	504	0.067	0.071	-5.6
51516	503	0.080	0.079	1.3	51600	501	0.040	0.043	-7.0	51752	505	0.080	0.087	-8.0
51516	504	0.040	0.039	2.6	51600	503	0.051	0.056	-8.9	51767	501	0.023	0.024	-4.2
51516	505	0.054	0.052	3.8	51600	504	0.046	0.048	-4.2	51767	503	0.023	0.024	-4.2
51517	501	0.051	0.050	2.0	51600	505	0.055	0.059	-6.8	51767	504	0.011	0.011	0.0
51517	503	0.091	0.089	2.2	51613	501	0.026	0.028	-7.1	51767	505	0.019	0.019	0.0
51517	504	0.045	0.044	2.3	51613	503	0.034	0.037	-8.1	51777	501	0.081	0.084	-3.6

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
51777	503	0.079	0.082	-3.7	51853	501	0.078	0.083	-6.0	51896	505	0.018	0.019	-5.3
51777	504	0.039	0.040	-2.5	51853	503	0.052	0.055	-5.5	51900	501	0.090	0.094	-4.3
51777	505	0.064	0.067	-4.5	51853	504	0.098	0.104	-5.8	51900	503	0.088	0.092	-4.3
51790	501	0.134	0.140	-4.3	51853	505	0.080	0.086	-7.0	51900	504	0.043	0.045	-4.4
51790	503	0.131	0.137	-4.4	51854	501	0.174	0.186	-6.5	51900	505	0.072	0.075	-4.0
51790	504	0.064	0.066	-3.0	51854	503	0.116	0.124	-6.5	51909	501	0.110	0.117	-6.0
51790	505	0.107	0.111	-3.6	51854	504	0.220	0.232	-5.2	51909	503	0.073	0.078	-6.4
51796	501	0.025	0.027	-7.4	51854	505	0.180	0.192	-6.3	51909	504	0.139	0.146	-4.8
51796	503	0.032	0.036	-11.1	51855	501	0.182	0.195	-6.7	51909	505	0.114	0.121	-5.8
51796	504	0.029	0.031	-6.5	51855	503	0.122	0.130	-6.2	51919	501	0.028	0.030	-6.7
51796	505	0.035	0.037	-5.4	51855	504	0.231	0.244	-5.3	51919	503	0.036	0.039	-7.7
51808	501	0.090	0.096	-6.2	51855	505	0.189	0.201	-6.0	51919	504	0.032	0.034	-5.9
51808	503	0.115	0.126	-8.7	51856	501	0.100	0.107	-6.5	51919	505	0.038	0.041	-7.3
51808	504	0.104	0.109	-4.6	51856	503	0.067	0.072	-6.9	51926	501	0.028	0.030	-6.7
51808	505	0.123	0.133	-7.5	51856	504	0.127	0.134	-5.2	51926	503	0.036	0.040	-10.0
51809	501	0.111	0.119	-6.7	51856	505	0.104	0.111	-6.3	51926	504	0.033	0.034	-2.9
51809	503	0.143	0.157	-8.9	51857	501	0.172	0.184	-6.5	51926	505	0.039	0.042	-7.1
51809	504	0.129	0.135	-4.4	51857	503	0.114	0.122	-6.6	51927	501	0.015	0.016	-6.3
51809	505	0.153	0.165	-7.3	51857	504	0.217	0.229	-5.2	51927	503	0.020	0.022	-9.1
51833	501	0.121	0.126	-4.0	51857	505	0.178	0.189	-5.8	51927	504	0.018	0.019	-5.3
51833	503	0.118	0.123	-4.1	51869	501	0.030	0.032	-6.3	51927	505	0.021	0.023	-8.7
51833	504	0.058	0.060	-3.3	51869	503	0.038	0.042	-9.5	51934	501	0.031	0.033	-6.1
51833	505	0.096	0.100	-4.0	51869	504	0.034	0.036	-5.6	51934	503	0.040	0.044	-9.1
51850	501	0.121	0.130	-6.9	51869	505	0.041	0.044	-6.8	51934	504	0.036	0.038	-5.3
51850	503	0.081	0.087	-6.9	51877	501	0.167	0.179	-6.7	51934	505	0.043	0.046	-6.5
51850	504	0.153	0.162	-5.6	51877	503	0.215	0.236	-8.9	51941	501	0.028	0.030	-6.7
51850	505	0.126	0.134	-6.0	51877	504	0.193	0.204	-5.4	51941	503	0.036	0.040	-10.0
51851	501	0.082	0.088	-6.8	51877	505	0.230	0.249	-7.6	51941	504	0.033	0.034	-2.9
51851	503	0.055	0.059	-6.8	51889	501	0.028	0.030	-6.7	51941	505	0.039	0.042	-7.1
51851	504	0.104	0.110	-5.5	51889	503	0.035	0.039	-10.3	51942	501	0.045	0.048	-6.3
51851	505	0.085	0.091	-6.6	51889	504	0.032	0.033	-3.0	51942	503	0.058	0.063	-7.9
51852	501	0.193	0.206	-6.3	51889	505	0.038	0.041	-7.3	51942	504	0.052	0.055	-5.5
51852	503	0.128	0.138	-7.2	51896	501	0.013	0.014	-7.1	51942	505	0.062	0.067	-7.5
51852	504	0.243	0.260	-6.5	51896	503	0.017	0.018	-5.6	51956	501	0.122	0.130	-6.2
51852	505	0.200	0.213	-6.1	51896	504	0.015	0.016	-6.3	51956	503	0.156	0.171	-8.8

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STATE: 21 - MICHIGAN
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
51956	504	0.140	0.148	-5.4	51999	503	0.035	0.038	-7.9	52341	501	0.023	0.025	-8.0
51956	505	0.167	0.181	-7.7	51999	504	0.032	0.033	-3.0	52341	503	0.016	0.017	-5.9
51957	501	0.107	0.115	-7.0	51999	505	0.037	0.041	-9.8	52341	504	0.030	0.031	-3.2
51957	503	0.138	0.151	-8.6	52002	501	0.024	0.026	-7.7	52341	505	0.024	0.026	-7.7
51957	504	0.124	0.130	-4.6	52002	503	0.031	0.034	-8.8	52342	501	0.068	0.073	-6.8
51957	505	0.147	0.159	-7.5	52002	504	0.028	0.029	-3.4	52342	503	0.045	0.049	-8.2
51958	501	0.095	0.102	-6.9	52002	505	0.033	0.036	-8.3	52342	504	0.086	0.091	-5.5
51958	503	0.122	0.134	-9.0	52075	501	0.096	0.102	-5.9	52342	505	0.071	0.075	-5.3
51958	504	0.110	0.116	-5.2	52075	503	0.064	0.068	-5.9	52343	501	0.042	0.044	-4.5
51958	505	0.131	0.142	-7.7	52075	504	0.121	0.128	-5.5	52343	503	0.028	0.030	-6.7
51959	501	0.098	0.104	-5.8	52075	505	0.099	0.105	-5.7	52343	504	0.052	0.055	-5.5
51959	503	0.125	0.137	-8.8	52076	501	0.115	0.123	-6.5	52343	505	0.043	0.046	-6.5
51959	504	0.113	0.119	-5.0	52076	503	0.077	0.082	-6.1	52401	501	0.128	0.137	-6.6
51959	505	0.134	0.145	-7.6	52076	504	0.145	0.154	-5.8	52401	503	0.086	0.092	-6.5
51960	501	0.013	0.014	-7.1	52076	505	0.119	0.127	-6.3	52401	504	0.162	0.172	-5.8
51960	503	0.017	0.018	-5.6	52109	501	0.006	0.006	0.0	52401	505	0.133	0.142	-6.3
51960	504	0.015	0.016	-6.3	52109	503	0.008	0.009	-11.1	52402	501	0.006	0.006	0.0
51960	505	0.018	0.019	-5.3	52109	504	0.007	0.007	0.0	52402	503	0.008	0.009	-11.1
51970	501	0.056	0.060	-6.7	52109	505	0.008	0.009	-11.1	52402	504	0.007	0.007	0.0
51970	503	0.072	0.079	-8.9	52134	501	0.080	0.086	-7.0	52402	505	0.008	0.009	-11.1
51970	504	0.065	0.068	-4.4	52134	503	0.103	0.113	-8.8	52432	501	0.030	0.032	-6.3
51970	505	0.077	0.083	-7.2	52134	504	0.093	0.098	-5.1	52432	503	0.038	0.042	-9.5
51982	501	0.016	0.018	-11.1	52134	505	0.110	0.119	-7.6	52432	504	0.035	0.036	-2.8
51982	503	0.021	0.023	-8.7	52137	501	0.038	0.040	-5.0	52432	505	0.041	0.045	-8.9
51982	504	0.019	0.020	-5.0	52137	503	0.025	0.027	-7.4	52433	501	0.027	0.029	-6.9
51982	505	0.023	0.024	-4.2	52137	504	0.048	0.050	-4.0	52433	503	0.035	0.039	-10.3
51985	501	0.042	0.041	2.4	52137	505	0.039	0.041	-4.9	52433	504	0.032	0.033	-3.0
51985	503	0.075	0.073	2.7	52150	501	0.148	0.158	-6.3	52433	505	0.038	0.041	-7.3
51985	504	0.037	0.036	2.8	52150	503	0.190	0.208	-8.7	52435	501	0.034	0.037	-8.1
51985	505	0.050	0.049	2.0	52150	504	0.170	0.180	-5.6	52435	503	0.044	0.048	-8.3
51986	501	0.065	0.069	-5.8	52150	505	0.203	0.219	-7.3	52435	504	0.040	0.042	-4.8
51986	503	0.083	0.091	-8.8	52315	501	0.105	0.109	-3.7	52435	505	0.047	0.051	-7.8
51986	504	0.075	0.079	-5.1	52315	503	0.102	0.107	-4.7	52438	501	0.025	0.027	-7.4
51986	505	0.089	0.096	-7.3	52315	504	0.050	0.052	-3.8	52438	503	0.032	0.035	-8.6
51999	501	0.027	0.029	-6.9	52315	505	0.084	0.087	-3.4	52438	504	0.029	0.030	-3.3

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STATE: 21 - MICHIGAN
SUBLINE: PREM/OPS

                                    LOSS COST % CHANGE BY CLASS

| | PROPOSED | PRESENT | % | | PROPOSED | PRESENT | % | | PROPOSED | PRESENT | % |
CLASS TERR	OCCURR	OCCURR	CHG	CLASS TERR	OCCURR	OCCURR	CHG	CLASS TERR	OCCURR	OCCURR	CHG
52438 505	0.034	0.037	-8.1	52744 504	0.221	0.229	-3.5	53147 503	0.011	0.012	-8.3
52440 501	0.039	0.042	-7.1	52744 505	0.370	0.380	-2.6	53147 504	0.022	0.023	-4.3
52440 503	0.050	0.055	-9.1	52767 501	0.102	0.109	-6.4	53147 505	0.018	0.019	-5.3
52440 504	0.045	0.047	-4.3	52767 503	0.068	0.073	-6.8	53229 501	0.096	0.103	-6.8
52440 505	0.054	0.058	-6.9	52767 504	0.129	0.136	-5.1	53229 503	0.064	0.069	-7.2
52467 501	0.036	0.039	-7.7	52767 505	0.105	0.112	-6.2	53229 504	0.122	0.129	-5.4
52467 503	0.046	0.051	-9.8	52911 501	0.017	0.018	-5.6	53229 505	0.100	0.106	-5.7
52467 504	0.042	0.044	-4.5	52911 503	0.022	0.024	-8.3	53271 501	0.015	0.017	-11.8
52467 505	0.049	0.054	-9.3	52911 504	0.020	0.021	-4.8	53271 503	0.020	0.022	-9.1
52469 501	0.013	0.014	-7.1	52911 505	0.024	0.025	-4.0	53271 504	0.018	0.019	-5.3
52469 503	0.016	0.018	-11.1	52967 501	0.006	0.007	-14.3	53271 505	0.021	0.023	-8.7
52469 504	0.015	0.015	0.0	52967 503	0.008	0.009	-11.1	53333 501	0.095	0.101	-5.9
52469 505	0.017	0.019	-10.5	52967 504	0.007	0.008	-12.5	53333 503	0.063	0.068	-7.4
52505 501	0.063	0.067	-6.0	52967 505	0.009	0.010	-10.0	53333 504	0.120	0.127	-5.5
52505 503	0.081	0.088	-8.0	53001 501	0.063	0.067	-6.0	53333 505	0.098	0.105	-6.7
52505 504	0.073	0.076	-3.9	53001 503	0.081	0.089	-9.0	53374 501	0.122	0.127	-3.9
52505 505	0.086	0.093	-7.5	53001 504	0.073	0.077	-5.2	53374 503	0.119	0.124	-4.0
52547 501	0.111	0.119	-6.7	53001 505	0.086	0.094	-8.5	53374 504	0.058	0.060	-3.3
52547 503	0.074	0.079	-6.3	53077 501	0.030	0.032	-6.3	53374 505	0.097	0.101	-4.0
52547 504	0.141	0.149	-5.4	53077 503	0.039	0.043	-9.3	53375 501	0.065	0.067	-3.0
52547 505	0.115	0.123	-6.5	53077 504	0.035	0.037	-5.4	53375 503	0.063	0.066	-4.5
52581 501	0.310	0.330	-6.1	53077 505	0.042	0.045	-6.7	53375 504	0.031	0.032	-3.1
52581 503	0.390	0.430	-9.3	53095 501	0.021	0.022	-4.5	53375 505	0.052	0.053	-1.9
52581 504	0.350	0.370	-5.4	53095 503	0.027	0.029	-6.9	53376 501	0.104	0.108	-3.7
52581 505	0.420	0.460	-8.7	53095 504	0.024	0.025	-4.0	53376 503	0.101	0.106	-4.7
52619 501	0.021	0.023	-8.7	53095 505	0.028	0.031	-9.7	53376 504	0.050	0.051	-2.0
52619 503	0.028	0.030	-6.7	53096 501	0.029	0.031	-6.5	53376 505	0.083	0.086	-3.5
52619 504	0.025	0.026	-3.8	53096 504	0.033	0.035	-5.7	53377 501	0.106	0.110	-3.6
52619 505	0.030	0.032	-6.3	53096 505	0.040	0.043	-7.0	53377 503	0.104	0.108	-3.7
52660 501	0.053	0.052	1.9	53096 505	0.040	0.043	-7.0	53377 504	0.051	0.052	-1.9
52660 503	0.095	0.093	2.2	53121 501	0.082	0.088	-6.8	53377 505	0.085	0.088	-3.4
52660 504	0.047	0.046	2.2	53121 503	0.105	0.115	-8.7	53403 501	0.067	0.070	-4.3
52660 505	0.064	0.062	3.2	53121 504	0.095	0.100	-5.0	53403 503	0.066	0.068	-2.9
52744 501	0.460	0.480	-4.2	53121 505	0.113	0.122	-7.4	53403 504	0.032	0.033	-3.0
52744 503	0.450	0.470	-4.3	53147 501	0.017	0.018	-5.6	53403 505	0.054	0.055	-1.8

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STATE: 21 - MICHIGAN
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<center>LOSS COST % CHANGE BY CLASS</center>

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
53425	501	0.089	0.096	-7.3	53803	505	0.221	0.235	-6.0	55371	504	0.149	0.154	-3.2
53425	503	0.059	0.064	-7.8	53907	501	0.030	0.032	-6.3	55371	505	0.248	0.260	-4.6
53425	504	0.113	0.119	-5.0	53907	503	0.039	0.042	-7.1	55426	501	0.098	0.105	-6.7
53425	505	0.093	0.098	-5.1	53907	504	0.035	0.037	-5.4	55426	503	0.065	0.070	-7.1
53565	501	0.078	0.081	-3.7	53907	505	0.041	0.045	-8.9	55426	504	0.124	0.131	-5.3
53565	503	0.076	0.080	-5.0	54012	501	0.027	0.026	3.8	55426	505	0.101	0.108	-6.5
53565	504	0.037	0.039	-5.1	54012	503	0.048	0.047	2.1	55597	501	0.008	0.009	-11.1
53565	505	0.062	0.065	-4.6	54012	504	0.024	0.023	4.3	55597	503	0.010	0.011	-9.1
53631	501	0.010	0.010	0.0	54012	505	0.032	0.031	3.2	55597	504	0.009	0.010	-10.0
53631	503	0.012	0.013	-7.7	54077	501	0.041	0.044	-6.8	55597	505	0.011	0.012	-8.3
53631	504	0.011	0.012	-8.3	54077	503	0.053	0.058	-8.6	55647	501	0.016	0.017	-5.9
53631	505	0.013	0.014	-7.1	54077	504	0.048	0.050	-4.0	55647	503	0.021	0.023	-8.7
53632	501	0.011	0.012	-8.3	54077	505	0.057	0.061	-6.6	55647	504	0.019	0.020	-5.0
53632	503	0.014	0.015	-6.7	55010	501	0.124	0.133	-6.8	55647	505	0.022	0.024	-8.3
53632	504	0.013	0.013	0.0	55010	503	0.160	0.175	-8.6	55648	501	0.007	0.008	-12.5
53632	505	0.015	0.016	-6.3	55010	504	0.144	0.151	-4.6	55648	503	0.009	0.010	-10.0
53731	501	0.010	0.011	-9.1	55010	505	0.171	0.185	-7.6	55648	504	0.008	0.009	-11.1
53731	503	0.013	0.014	-7.1	55011	501	0.034	0.036	-5.6	55648	505	0.010	0.011	-9.1
53731	504	0.012	0.012	0.0	55011	503	0.043	0.047	-8.5	55649	501	0.009	0.009	0.0
53731	505	0.014	0.015	-6.7	55011	504	0.039	0.041	-4.9	55649	503	0.011	0.012	-8.3
53732	501	0.068	0.073	-6.8	55011	505	0.046	0.050	-8.0	55649	504	0.010	0.011	-9.1
53732	503	0.088	0.096	-8.3	55012	501	0.040	0.043	-7.0	55649	505	0.012	0.013	-7.7
53732	504	0.079	0.083	-4.8	55012	503	0.051	0.056	-8.9	55715	501	0.064	0.069	-7.2
53732	505	0.094	0.102	-7.8	55012	504	0.046	0.049	-6.1	55715	503	0.083	0.091	-8.8
53733	501	0.045	0.048	-6.3	55012	505	0.055	0.060	-8.3	55715	504	0.074	0.078	-5.1
53733	503	0.057	0.063	-9.5	55013	501	0.081	0.086	-5.8	55715	505	0.088	0.096	-8.3
53733	504	0.051	0.054	-5.6	55013	503	0.054	0.058	-6.9	55716	501	0.093	0.100	-7.0
53733	505	0.061	0.066	-7.6	55013	504	0.102	0.108	-5.6	55716	503	0.119	0.131	-9.2
53734	501	0.270	0.260	3.8	55013	505	0.084	0.089	-5.6	55716	504	0.107	0.113	-5.3
53734	503	0.480	0.470	2.1	55214	501	0.032	0.035	-8.6	55716	505	0.128	0.138	-7.2
53734	504	0.240	0.233	3.0	55214	503	0.042	0.046	-8.7	55717	501	0.129	0.138	-6.5
53734	505	0.320	0.310	3.2	55214	504	0.037	0.039	-5.1	55717	503	0.086	0.092	-6.5
53803	501	0.213	0.228	-6.6	55214	505	0.045	0.048	-6.3	55717	504	0.163	0.173	-5.8
53803	503	0.142	0.152	-6.6	55371	501	0.310	0.320	-3.1	55717	505	0.134	0.143	-6.3
53803	504	0.270	0.280	-3.6	55371	503	0.300	0.320	-6.3	55718	501	0.125	0.134	-6.7

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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
55718	503	0.083	0.089	-6.7	56202	501	0.023	0.025	-8.0	56652	505	0.112	0.119	-5.9
55718	504	0.158	0.167	-5.4	56202	503	0.029	0.032	-9.4	56653	501	0.104	0.111	-6.3
55718	505	0.130	0.138	-5.8	56202	504	0.026	0.028	-7.1	56653	503	0.069	0.074	-6.8
55802	501	0.081	0.084	-3.6	56202	505	0.031	0.034	-8.8	56653	504	0.132	0.139	-5.0
55802	503	0.079	0.082	-3.7	56390	501	0.040	0.043	-7.0	56653	505	0.108	0.115	-6.1
55802	504	0.039	0.040	-2.5	56390	503	0.051	0.056	-8.9	56654	501	0.053	0.057	-7.0
55802	505	0.064	0.067	-4.5	56390	504	0.046	0.049	-6.1	56654	503	0.035	0.038	-7.9
55918	501	0.037	0.039	-5.1	56390	505	0.055	0.060	-8.3	56654	504	0.067	0.071	-5.6
55918	503	0.047	0.052	-9.6	56391	501	0.034	0.037	-8.1	56654	505	0.055	0.059	-6.8
55918	504	0.043	0.045	-4.4	56391	503	0.044	0.048	-8.3	56690	501	0.070	0.072	-2.8
55918	505	0.051	0.055	-7.3	56391	504	0.040	0.042	-4.8	56690	503	0.068	0.071	-4.2
55919	501	0.005	0.005	0.0	56391	505	0.047	0.051	-7.8	56690	504	0.033	0.034	-2.9
55919	503	0.006	0.007	-14.3	56427	501	0.055	0.059	-6.8	56690	505	0.056	0.057	-1.8
55919	504	0.006	0.006	0.0	56427	503	0.071	0.078	-9.0	56699	501	0.025	0.027	-7.4
55919	505	0.007	0.007	0.0	56427	504	0.064	0.067	-4.5	56699	503	0.033	0.036	-8.3
56040	501	0.004	0.004	0.0L	56427	505	0.076	0.082	-7.3	56699	504	0.029	0.031	-6.5
56040	503	0.004	0.005	-20.0	56488	501	0.134	0.140	-4.3	56699	505	0.035	0.038	-7.9
56040	504	0.004	0.004	0.0	56488	503	0.131	0.137	-4.4	56758	501	0.022	0.023	-4.3
56040	505	0.005	0.005	0.0	56488	504	0.064	0.066	-3.0	56758	503	0.028	0.030	-6.7
56041	501	0.023	0.025	-8.0	56488	505	0.107	0.111	-3.6	56758	504	0.025	0.026	-3.8
56041	503	0.029	0.032	-9.4	56567	501	0.091	0.097	-6.2	56758	505	0.030	0.032	-6.3
56041	504	0.026	0.028	-7.1	56567	503	0.061	0.065	-6.2	56759	501	0.022	0.024	-8.3
56041	505	0.031	0.034	-8.8	56567	504	0.115	0.121	-5.0	56759	503	0.028	0.031	-9.7
56042	501	0.029	0.031	-6.5	56567	505	0.094	0.100	-6.0	56759	504	0.026	0.027	-3.7
56042	503	0.037	0.041	-9.8	56650	501	0.280	0.300	-6.7	56759	505	0.030	0.033	-9.1
56042	504	0.033	0.035	-5.7	56650	503	0.185	0.199	-7.0	56760	501	0.032	0.034	-5.9
56042	505	0.040	0.043	-7.0	56650	504	0.350	0.370	-5.4	56760	503	0.041	0.045	-8.9
56170	501	0.088	0.094	-6.4	56650	505	0.290	0.310	-6.5	56760	504	0.037	0.039	-5.1
56170	503	0.058	0.063	-7.9	56651	501	0.151	0.162	-6.8	56760	505	0.044	0.047	-6.4
56170	504	0.111	0.117	-5.1	56651	503	0.101	0.108	-6.5	56805	501	0.042	0.045	-6.7
56170	505	0.091	0.097	-6.2	56651	504	0.191	0.202	-5.4	56805	503	0.054	0.059	-8.5
56171	501	0.043	0.046	-6.5	56651	505	0.157	0.167	-6.0	56805	504	0.048	0.051	-5.9
56171	503	0.029	0.031	-6.5	56652	501	0.108	0.116	-6.9	56805	505	0.057	0.062	-8.1
56171	504	0.054	0.058	-6.9	56652	503	0.072	0.077	-6.5	56806	501	0.030	0.032	-6.3
56171	505	0.045	0.048	-6.3	56652	504	0.137	0.144	-4.9	56806	503	0.038	0.042	-9.5

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STATE: 21 - MICHIGAN
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
56806	504	0.034	0.036	-5.6	56916	503	0.184	0.197	-6.6	57146	501	0.091	0.097	-6.2
56806	505	0.041	0.044	-6.8	56916	504	0.350	0.370	-5.4	57146	503	0.061	0.065	-6.2
56807	501	0.029	0.031	-6.5	56916	505	0.290	0.300	-3.3	57146	504	0.115	0.121	-5.0
56807	503	0.038	0.041	-7.3	56917	501	0.080	0.085	-5.9	57146	505	0.094	0.100	-6.0
56807	504	0.034	0.036	-5.6	56917	503	0.053	0.057	-7.0	57202	501	0.028	0.030	-6.7
56807	505	0.040	0.044	-9.1	56917	504	0.101	0.107	-5.6	57202	503	0.036	0.040	-10.0
56808	501	0.038	0.041	-7.3	56917	505	0.083	0.088	-5.7	57202	504	0.033	0.034	-2.9
56808	503	0.049	0.054	-9.3	56918	501	0.038	0.041	-7.3	57202	505	0.039	0.042	-7.1
56808	504	0.044	0.047	-6.4	56918	503	0.026	0.027	-3.7	57257	501	0.035	0.038	-7.9
56808	505	0.053	0.057	-7.0	56918	504	0.048	0.051	-5.9	57257	503	0.045	0.049	-8.2
56900	501	0.037	0.039	-5.1	56918	505	0.040	0.042	-4.8	57257	504	0.041	0.043	-4.7
56900	503	0.047	0.052	-9.6	56919	501	0.098	0.105	-6.7	57257	505	0.048	0.052	-7.7
56900	504	0.043	0.045	-4.4	56919	503	0.065	0.070	-7.1	57401	501	0.020	0.021	-4.8
56900	505	0.051	0.055	-7.3	56919	504	0.124	0.131	-5.3	57401	503	0.026	0.028	-7.1
56910	501	0.018	0.020	-10.0	56919	505	0.101	0.108	-6.5	57401	504	0.023	0.024	-4.2
56910	503	0.024	0.026	-7.7	56920	501	0.089	0.096	-7.3	57401	505	0.027	0.030	-10.0
56910	504	0.021	0.022	-4.5	56920	503	0.059	0.064	-7.8	57403	501	0.165	0.171	-3.5
56910	505	0.025	0.027	-7.4	56920	504	0.113	0.119	-5.0	57403	503	0.161	0.168	-4.2
56911	501	0.078	0.084	-7.1	56920	505	0.093	0.098	-5.1	57403	504	0.079	0.081	-2.5
56911	503	0.052	0.056	-7.1	56980	501	0.032	0.034	-5.9	57403	505	0.131	0.136	-3.7
56911	504	0.099	0.105	-5.7	56980	503	0.041	0.045	-8.9	57410	501	0.010	0.010	0.0
56911	505	0.081	0.086	-5.8	56980	504	0.037	0.039	-5.1	57410	503	0.012	0.014	-14.3
56912	501	0.063	0.068	-7.4	56980	505	0.044	0.047	-6.4	57410	504	0.011	0.012	-8.3
56912	503	0.042	0.045	-6.7	57001	501	0.011	0.012	-8.3	57410	505	0.013	0.014	-7.1
56912	504	0.080	0.085	-5.9	57001	503	0.014	0.015	-6.7	57411	501	0.022	0.023	-4.3
56912	505	0.066	0.070	-5.7	57001	504	0.013	0.013	0.0	57411	503	0.015	0.016	-6.3
56913	501	0.052	0.055	-5.5	57001	505	0.015	0.016	-6.3	57411	504	0.028	0.029	-3.4
56913	503	0.034	0.037	-8.1	57002	501	0.007	0.008	-12.5	57411	505	0.023	0.024	-4.2
56913	504	0.065	0.069	-5.8	57002	503	0.009	0.010	-10.0	57572	501	0.006	0.006	0.0
56913	505	0.054	0.057	-5.3	57002	504	0.008	0.009	-11.1	57572	503	0.007	0.008	-12.5
56915	501	0.310	0.330	-6.1	57002	505	0.010	0.011	-9.1	57572	504	0.007	0.007	0.0
56915	503	0.204	0.219	-6.8	57090	501	0.143	0.153	-6.5	57572	505	0.008	0.008	0.0
56915	504	0.390	0.410	-4.9	57090	503	0.095	0.102	-6.9	57600	501	0.017	0.018	-5.6
56915	505	0.320	0.340	-5.9	57090	504	0.181	0.191	-5.2	57600	503	0.022	0.024	-8.3
56916	501	0.280	0.300	-6.7	57090	505	0.149	0.158	-5.7	57600	504	0.019	0.021	-9.5

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STATE: 21 - MICHIGAN
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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
57600	505	0.023	0.025	-8.0	57800	504	0.039	0.041	-4.9	58009	503	0.027	0.029	-6.9
57611	501	0.047	0.050	-6.0	57800	505	0.047	0.051	-7.8	58009	504	0.050	0.053	-5.7
57611	503	0.031	0.034	-8.8	57808	501	0.024	0.026	-7.7	58009	505	0.041	0.044	-6.8
57611	504	0.059	0.063	-6.3	57808	503	0.016	0.017	-5.9	58010	501	0.045	0.049	-8.2
57611	505	0.049	0.052	-5.8	57808	504	0.031	0.032	-3.1	58010	503	0.058	0.064	-9.4
57625	501	0.148	0.159	-6.9	57808	505	0.025	0.027	-7.4	58010	504	0.052	0.055	-5.5
57625	503	0.190	0.209	-9.1	57809	501	0.025	0.027	-7.4	58010	505	0.062	0.068	-8.8
57625	504	0.171	0.180	-5.0	57809	503	0.017	0.018	-5.6	58020	501	0.177	0.184	-3.8
57625	505	0.204	0.220	-7.3	57809	504	0.032	0.033	-3.0	58020	503	0.173	0.180	-3.9
57651	501	0.018	0.019	-5.3	57809	505	0.026	0.028	-7.1	58020	504	0.085	0.087	-2.3
57651	503	0.023	0.025	-8.0	57810	501	0.024	0.026	-7.7	58020	505	0.141	0.146	-3.4
57651	504	0.021	0.022	-4.5	57810	503	0.016	0.017	-5.9	58056	501	0.054	0.058	-6.9
57651	505	0.025	0.027	-7.4	57810	504	0.031	0.032	-3.1	58056	503	0.070	0.076	-7.9
57690	501	0.061	0.065	-6.2	57810	505	0.025	0.027	-7.4	58056	504	0.063	0.066	-4.5
57690	503	0.041	0.044	-6.8	57871	501	0.029	0.031	-6.5	58056	505	0.074	0.081	-8.6
57690	504	0.077	0.082	-6.1	57871	503	0.019	0.021	-9.5	58057	501	0.034	0.037	-8.1
57690	505	0.063	0.067	-6.0	57871	504	0.037	0.039	-5.1	58057	503	0.044	0.048	-8.3
57716	501	0.029	0.031	-6.5	57871	505	0.030	0.032	-6.3	58057	504	0.039	0.041	-4.9
57716	503	0.019	0.021	-9.5	57913	501	0.044	0.047	-6.4	58057	505	0.047	0.051	-7.8
57716	504	0.037	0.039	-5.1	57913	503	0.057	0.062	-8.1	58058	501	0.031	0.033	-6.1
57716	505	0.030	0.032	-6.3	57913	504	0.051	0.054	-5.6	58058	503	0.039	0.043	-9.3
57725	501	0.063	0.068	-7.4	57913	505	0.061	0.066	-7.6	58058	504	0.035	0.037	-5.4
57725	503	0.042	0.045	-6.7	57997	501	0.060	0.059	1.7	58058	505	0.042	0.046	-8.7
57725	504	0.080	0.085	-5.9	57997	503	0.107	0.105	1.9	58095	501	0.043	0.046	-6.5
57725	505	0.066	0.070	-5.7	57997	504	0.053	0.052	1.9	58095	503	0.055	0.061	-9.8
57726	501	0.049	0.053	-7.5	57997	505	0.072	0.070	2.9	58095	504	0.050	0.052	-3.8
57726	503	0.033	0.035	-5.7	57998	501	0.020	0.021	-4.8	58095	505	0.059	0.064	-7.8
57726	504	0.062	0.066	-6.1	57998	503	0.025	0.028	-10.7	58096	501	0.057	0.061	-6.6
57726	505	0.051	0.054	-5.6	57998	504	0.023	0.024	-4.2	58096	503	0.074	0.081	-8.6
57798	501	0.009	0.010	-10.0	57998	505	0.027	0.029	-6.9	58096	504	0.066	0.070	-5.7
57798	503	0.012	0.013	-7.7	57999	501	0.040	0.043	-7.0	58096	505	0.079	0.085	-7.1
57798	504	0.011	0.011	0.0	57999	503	0.027	0.029	-6.9	58301	501	0.031	0.033	-6.1
57798	505	0.013	0.014	-7.1	57999	504	0.050	0.053	-5.7	58301	503	0.020	0.022	-9.1
57800	501	0.034	0.037	-8.1	57999	505	0.041	0.044	-6.8	58301	504	0.039	0.041	-4.9
57800	503	0.044	0.048	-8.3	58009	501	0.040	0.043	-7.0	58301	505	0.032	0.034	-5.9

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STATE: 21 - MICHIGAN
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                                          LOSS COST % CHANGE BY CLASS
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CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
58302	501	0.015	0.017	-11.8	58503	505	0.033	0.036	-8.3	58737	504	0.047	0.049	-4.1
58302	503	0.020	0.022	-9.1	58532	501	0.031	0.033	-6.1	58737	505	0.056	0.060	-6.7
58302	504	0.018	0.019	-5.3	58532	503	0.040	0.043	-7.0	58756	501	0.038	0.040	-5.0
58302	505	0.021	0.023	-8.7	58532	504	0.036	0.038	-5.3	58756	503	0.025	0.027	-7.4
58397	501	0.090	0.096	-6.2	58532	505	0.042	0.046	-8.7	58756	504	0.048	0.050	-4.0
58397	503	0.115	0.126	-8.7	58559	501	0.006	0.007	-14.3	58756	505	0.039	0.041	-4.9
58397	504	0.104	0.109	-4.6	58559	503	0.008	0.009	-11.1	58757	501	0.137	0.146	-6.2
58397	505	0.123	0.133	-7.5	58559	504	0.007	0.008	-12.5	58757	503	0.175	0.192	-8.9
58408	501	0.035	0.035	0.0	58559	505	0.009	0.009	0.0	58757	504	0.158	0.166	-4.8
58408	503	0.063	0.062	1.6	58560	501	0.015	0.016	-6.3	58757	505	0.188	0.203	-7.4
58408	504	0.031	0.031	0.0	58560	503	0.019	0.021	-9.5	58759	501	0.017	0.018	-5.6
58408	505	0.042	0.041	2.4	58560	504	0.018	0.018	0.0	58759	503	0.022	0.024	-8.3
58409	501	0.045	0.044	2.3	58560	505	0.021	0.023	-8.7	58759	504	0.019	0.021	-9.5
58409	503	0.080	0.079	1.3	58575	501	0.020	0.021	-4.8	58759	505	0.023	0.025	-8.0
58409	504	0.040	0.039	2.6	58575	503	0.025	0.028	-10.7	58802	501	0.019	0.021	-9.5
58409	505	0.054	0.052	3.8	58575	504	0.023	0.024	-4.2	58802	503	0.025	0.027	-7.4
58456	501	0.024	0.024	0.0	58575	505	0.027	0.029	-6.9	58802	504	0.022	0.023	-4.3
58456	503	0.043	0.042	2.4	58627	501	0.063	0.067	-6.0	58802	505	0.026	0.029	-10.3
58456	504	0.021	0.021	0.0	58627	503	0.081	0.088	-8.0	58813	501	0.092	0.099	-7.1
58456	505	0.029	0.028	3.6	58627	504	0.073	0.076	-3.9	58813	503	0.062	0.066	-6.1
58457	501	0.035	0.034	2.9	58627	505	0.086	0.093	-7.5	58813	504	0.117	0.123	-4.9
58457	503	0.062	0.061	1.6	58663	501	0.201	0.215	-6.5	58813	505	0.096	0.102	-5.9
58457	504	0.031	0.030	3.3	58663	503	0.134	0.144	-6.9	58822	501	0.053	0.057	-7.0
58457	505	0.042	0.040	5.0	58663	504	0.250	0.270	-7.4	58822	503	0.068	0.074	-8.1
58458	501	0.045	0.044	2.3	58663	505	0.209	0.222	-5.9	58822	504	0.061	0.064	-4.7
58458	503	0.080	0.079	1.3	58682	501	0.056	0.060	-6.7	58822	505	0.072	0.078	-7.7
58458	504	0.040	0.039	2.6	58682	503	0.072	0.079	-8.9	58837	501	0.186	0.199	-6.5
58458	505	0.054	0.052	3.8	58682	504	0.065	0.068	-4.4	58837	503	0.124	0.133	-6.8
58459	501	0.054	0.053	1.9	58682	505	0.077	0.083	-7.2	58837	504	0.235	0.248	-5.2
58459	503	0.096	0.094	2.1	58713	501	0.051	0.053	-3.8	58837	505	0.192	0.205	-6.3
58459	504	0.048	0.047	2.1	58713	503	0.050	0.052	-3.8	58840	501	0.056	0.059	-5.1
58459	505	0.065	0.063	3.2	58713	504	0.025	0.025	0.0	58840	503	0.037	0.040	-7.5
58503	501	0.024	0.026	-7.7	58713	505	0.041	0.042	-2.4	58840	504	0.070	0.074	-5.4
58503	503	0.031	0.034	-8.8	58737	501	0.041	0.043	-4.7	58840	505	0.058	0.061	-4.9
58503	504	0.028	0.029	-3.4	58737	503	0.052	0.057	-8.8	58873	501	0.088	0.095	-7.4

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
58873	503	0.059	0.063	-6.3	59223	501	0.092	0.098	-6.1	59647	505	0.130	0.135	-3.7
58873	504	0.112	0.118	-5.1	59223	503	0.061	0.065	-6.2	59660	501	0.072	0.077	-6.5
58873	505	0.092	0.098	-6.1	59223	504	0.116	0.122	-4.9	59660	503	0.093	0.102	-8.8
58903	501	0.012	0.013	-7.7	59223	505	0.095	0.101	-5.9	59660	504	0.083	0.088	-5.7
58903	503	0.016	0.017	-5.9	59257	501	0.006	0.007	-14.3	59660	505	0.099	0.107	-7.5
58903	504	0.014	0.015	-6.7	59257	503	0.008	0.009	-11.1	59661	501	0.035	0.038	-7.9
58903	505	0.017	0.018	-5.6	59257	504	0.007	0.008	-12.5	59661	503	0.045	0.050	-10.0
58904	501	0.009	0.010	-10.0	59257	505	0.008	0.009	-11.1	59661	504	0.041	0.043	-4.7
58904	503	0.012	0.013	-7.7	59306	501	0.039	0.041	-4.9	59661	505	0.049	0.053	-7.5
58904	504	0.011	0.011	0.0	59306	503	0.050	0.055	-9.1	59693	501	0.006	0.006	0.0
58904	505	0.013	0.014	-7.1	59306	504	0.045	0.047	-4.3	59693	503	0.008	0.008	0.0
58922	501	0.147	0.158	-7.0	59306	505	0.053	0.058	-8.6	59693	504	0.007	0.007	0.0
58922	503	0.098	0.105	-6.7	59378	501	0.060	0.064	-6.2	59693	505	0.008	0.009	-11.1
58922	504	0.186	0.197	-5.6	59378	503	0.040	0.042	-4.8	59701	501	0.003	0.003	0.0
58922	505	0.153	0.162	-5.6	59378	504	0.075	0.079	-5.1	59701	503	0.004	0.004	0.0
59005	501	0.023	0.025	-8.0	59378	505	0.062	0.066	-6.1	59701	504	0.003	0.003	0.0
59005	503	0.029	0.032	-9.4	59481	501	0.104	0.112	-7.1	59701	505	0.004	0.004	0.0
59005	504	0.026	0.028	-7.1	59481	503	0.134	0.147	-8.8	59713	501	0.065	0.069	-5.8
59005	505	0.031	0.034	-8.8	59481	504	0.120	0.127	-5.5	59713	503	0.083	0.091	-8.8
59057	501	0.170	0.182	-6.6	59481	505	0.143	0.155	-7.7	59713	504	0.075	0.079	-5.1
59057	503	0.218	0.239	-8.8	59482	501	0.370	0.380	-2.6	59713	505	0.089	0.096	-7.3
59057	504	0.196	0.206	-4.9	59482	503	0.360	0.370	-2.7	59722	501	0.033	0.036	-8.3
59057	505	0.233	0.250	-6.8	59482	504	0.175	0.181	-3.3	59722	503	0.043	0.047	-8.5
59058	501	0.110	0.118	-6.8	59482	505	0.290	0.300	-3.3	59722	504	0.039	0.041	-4.9
59058	503	0.141	0.155	-9.0	59537	501	0.064	0.069	-7.2	59722	505	0.046	0.050	-8.0
59058	504	0.127	0.134	-5.2	59537	503	0.043	0.046	-6.5	59723	501	0.013	0.014	-7.1
59058	505	0.151	0.163	-7.4	59537	504	0.081	0.086	-5.8	59723	503	0.016	0.018	-11.1
59188	501	0.350	0.370	-5.4	59537	505	0.067	0.071	-5.6	59723	504	0.015	0.015	0.0
59188	503	0.340	0.360	-5.6	59601	501	0.039	0.042	-7.1	59723	505	0.017	0.019	-10.5
59188	504	0.168	0.174	-3.4	59601	503	0.050	0.055	-9.1	59724	501	0.019	0.021	-9.5
59188	505	0.280	0.290	-3.4	59601	504	0.045	0.048	-6.3	59724	503	0.025	0.027	-7.4
59189	501	0.480	0.500	-4.0	59601	505	0.054	0.058	-6.9	59724	504	0.022	0.023	-4.3
59189	503	0.470	0.490	-4.1	59647	501	0.164	0.170	-3.5	59724	505	0.027	0.029	-6.9
59189	504	0.231	0.238	-2.9	59647	503	0.160	0.167	-4.2	59725	501	0.024	0.026	-7.7
59189	505	0.380	0.400	-5.0	59647	504	0.078	0.081	-3.7	59725	503	0.031	0.034	-8.8

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
59725	504	0.028	0.029	-3.4	59782	503	0.041	0.044	-6.8	59892	501	0.060	0.065	-7.7
59725	505	0.033	0.036	-8.3	59782	504	0.078	0.083	-6.0	59892	503	0.040	0.043	-7.0
59726	501	0.017	0.019	-10.5	59782	505	0.064	0.068	-5.9	59892	504	0.076	0.081	-6.2
59726	503	0.022	0.025	-12.0	59783	501	0.060	0.065	-7.7	59892	505	0.062	0.067	-7.5
59726	504	0.020	0.021	-4.8	59783	503	0.040	0.043	-7.0	59904	501	0.041	0.044	-6.8
59726	505	0.024	0.026	-7.7	59783	504	0.076	0.081	-6.2	59904	503	0.027	0.029	-6.9
59738	501	0.056	0.060	-6.7	59783	505	0.062	0.067	-7.5	59904	504	0.051	0.054	-5.6
59738	503	0.072	0.079	-8.9	59784	501	0.046	0.049	-6.1	59904	505	0.042	0.045	-6.7
59738	504	0.065	0.068	-4.4	59784	503	0.031	0.033	-6.1	59905	501	0.030	0.033	-9.1
59738	505	0.077	0.083	-7.2	59784	504	0.058	0.062	-6.5	59905	503	0.039	0.043	-9.3
59750	501	0.048	0.051	-5.9	59784	505	0.048	0.051	-5.9	59905	504	0.035	0.037	-5.4
59750	503	0.032	0.034	-5.9	59790	501	0.043	0.046	-6.5	59905	505	0.042	0.045	-6.7
59750	504	0.060	0.064	-6.2	59790	503	0.055	0.061	-9.8	59914	501	0.178	0.191	-6.8
59750	505	0.050	0.053	-5.7	59790	504	0.050	0.052	-3.8	59914	503	0.229	0.250	-8.4
59751	501	0.017	0.018	-5.6	59790	505	0.059	0.064	-7.8	59914	504	0.206	0.217	-5.1
59751	503	0.011	0.012	-8.3	59798	501	0.157	0.168	-6.5	59914	505	0.245	0.270	-9.3
59751	504	0.022	0.023	-4.3	59798	503	0.105	0.112	-6.2	59915	501	0.135	0.145	-6.9
59751	505	0.018	0.019	-5.3	59798	504	0.199	0.210	-5.2	59915	503	0.090	0.097	-7.2
59773	501	0.021	0.022	-4.5	59798	505	0.163	0.174	-6.3	59915	504	0.171	0.181	-5.5
59773	503	0.020	0.021	-4.8	59806	501	0.113	0.121	-6.6	59915	505	0.140	0.149	-6.0
59773	504	0.010	0.010	0.0	59806	503	0.075	0.081	-7.4	59917	501	0.025	0.027	-7.4
59773	505	0.017	0.017	0.0	59806	504	0.143	0.151	-5.3	59917	503	0.017	0.018	-5.6
59774	501	0.017	0.018	-5.6	59806	505	0.117	0.124	-5.6	59917	504	0.032	0.033	-3.0
59774	503	0.017	0.017	0.0	59867	501	0.048	0.052	-7.7	59917	505	0.026	0.028	-7.1
59774	504	0.008	0.008	0.0	59867	503	0.062	0.068	-8.8	59923	501	0.004	0.005	-20.0
59774	505	0.014	0.014	0.0	59867	504	0.056	0.059	-5.1	59923	503	0.006	0.006	0.0
59775	501	0.022	0.023	-4.3	59867	505	0.067	0.072	-6.9	59923	504	0.005	0.005	0.0
59775	503	0.021	0.022	-4.5	59886	501	0.007	0.007	0.0	59923	505	0.006	0.007	-14.3
59775	504	0.011	0.011	0.0	59886	503	0.008	0.009	-11.1	59925	501	0.181	0.190	-4.7
59775	505	0.018	0.018	0.0	59886	504	0.008	0.008	0.0	59925	503	0.234	0.244	-4.1
59781	501	0.042	0.044	-4.5	59886	505	0.009	0.010	-10.0	59925	504	0.198	0.204	-2.9
59781	503	0.028	0.030	-6.7	59889	501	0.068	0.071	-4.2	59925	505	0.172	0.177	-2.8
59781	504	0.052	0.055	-5.5	59889	503	0.067	0.070	-4.3	59926	501	0.154	0.161	-4.3
59781	505	0.043	0.046	-6.5	59889	504	0.033	0.034	-2.9	59926	503	0.199	0.208	-4.3
59782	501	0.062	0.066	-6.1	59889	505	0.055	0.056	-1.8	59926	504	0.169	0.174	-2.9

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STATE: 21 - MICHIGAN
SUBLINE: PREM/OPS
                                    LOSS COST % CHANGE BY CLASS


            PROPOSED  PRESENT    %                 PROPOSED  PRESENT    %                 PROPOSED  PRESENT    %
CLASS TERR  OCCURR    OCCURR    CHG    CLASS TERR   OCCURR    OCCURR   CHG    CLASS TERR   OCCURR    OCCURR   CHG
-----------------------------------------------------------------------------------------------------------------
59926 505    0.146    0.151    -3.3   59970 504     0.069    0.073    -5.5   60010 503    34.000    30.300   12.2
59927 501    0.104    0.108    -3.7   59970 505     0.057    0.060    -5.0   60010 504    23.700    21.100   12.3
59927 503    0.134    0.140    -4.3   59973 501     0.049    0.053    -7.5   60010 505    16.300    15.100    7.9
59927 504    0.113    0.117    -3.4   59973 503     0.063    0.070   -10.0   60011 501    36.300    32.400   12.0
59927 505    0.098    0.101    -3.0   59973 504     0.057    0.060    -5.0   60011 503    39.100    34.900   12.0

59931 501    0.080    0.086    -7.0   59973 505     0.068    0.073    -6.8   60011 504    27.300    24.300   12.3
59931 503    0.103    0.113    -8.8   59975 501     0.077    0.082    -6.1   60011 505    18.700    17.400    7.5
59931 504    0.093    0.098    -5.1   59975 503     0.051    0.055    -7.3   60012 501    59.700    53.200   12.2
59931 505    0.110    0.119    -7.6   59975 504     0.097    0.102    -4.9   60012 503    64.200    57.300   12.0
59932 501    0.086    0.093    -7.5   59975 505     0.080    0.085    -5.9   60012 504    44.800    40.000   12.0

59932 503    0.111    0.122    -9.0   59977 501     0.044    0.047    -6.4   60012 505    30.800    28.500    8.1
59932 504    0.100    0.105    -4.8   59977 503     0.029    0.031    -6.5   60013 501    51.100    45.600   12.1
59932 505    0.119    0.128    -7.0   59977 504     0.055    0.059    -6.8   60013 503    55.100    49.100   12.2
59941 501    0.027    0.029    -6.9   59977 505     0.045    0.048    -6.3   60013 504    38.400    34.200   12.3
59941 503    0.035    0.038    -7.9   59984 501     0.014    0.014     0.0   60013 505    26.400    24.500    7.8

59941 504    0.031    0.033    -6.1   59984 503     0.017    0.019   -10.5   60015 501    38.200    34.100   12.0
59941 505    0.037    0.040    -7.5   59984 504     0.016    0.016     0.0   60015 503    41.100    36.700   12.0
59947 501    0.041    0.044    -6.8   59984 505     0.019    0.020    -5.0   60015 504    28.700    25.600   12.1
59947 503    0.027    0.029    -6.9   59985 501     0.053    0.057    -7.0   60015 505    19.700    18.300    7.7
59947 504    0.051    0.054    -5.6   59985 503     0.068    0.074    -8.1   60016 501    42.900    38.300   12.0

59947 505    0.042    0.045    -6.7   59985 504     0.061    0.064    -4.7   60016 503    46.200    41.300   11.9
59955 501    0.010    0.011    -9.1   59985 505     0.073    0.079    -7.6   60016 504    32.200    28.800   11.8
59955 503    0.013    0.014    -7.1   59986 501     0.040    0.043    -7.0   60016 505    22.200    20.500    8.3
59955 504    0.012    0.013    -7.7   59986 503     0.052    0.057    -8.8   60035 501    40.700    34.600   17.6
59955 505    0.014    0.015    -6.7   59986 504     0.047    0.049    -4.1   60035 503    27.800    23.600   17.8

59963 501    0.077    0.082    -6.1   59986 505     0.055    0.060    -8.3   60035 504    23.000    19.500   17.9
59963 503    0.098    0.108    -9.3   59988 501     0.020    0.021    -4.8   60035 505    16.400    14.500   13.1
59963 504    0.088    0.093    -5.4   59988 503     0.013    0.014    -7.1   61000 501    31.300    27.900   12.2
59963 505    0.105    0.114    -7.9   59988 504     0.025    0.026    -3.8   61000 503    33.600    30.000   12.0
59964 501    0.179    0.192    -6.8   59988 505     0.020    0.022    -9.1   61000 504    23.500    20.900   12.4

59964 503    0.230    0.250    -8.0   59989 501     0.007    0.008   -12.5   61000 505    16.100    15.000    7.3
59964 504    0.207    0.218    -5.0   59989 503     0.009    0.010   -10.0   61212 501    20.800    18.600   11.8
59964 505    0.246    0.270    -8.9   59989 504     0.008    0.009   -11.1   61212 503    14.200    12.700   11.8
59970 501    0.055    0.059    -6.8   59989 505     0.010    0.011    -9.1   61212 504    11.800    10.500   12.4
59970 503    0.037    0.039    -5.1   60010 501    31.600    28.200    12.1   61212 505     8.400     7.790    7.8
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STATE: 21 - MICHIGAN
SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
61216	501	23.100	20.600	12.1	62000	505	6.380	5.920	7.8	63216	504	23.300	19.700	18.3
61216	503	15.800	14.100	12.1	62001	501	12.500	10.600	17.9	63216	505	16.600	14.600	13.7
61216	504	13.000	11.600	12.1	62001	503	8.520	7.220	18.0	63217	501	41.100	31.100	32.2
61216	505	9.320	8.650	7.7	62001	504	7.050	5.970	18.1	63217	503	68.500	51.800	32.2
61217	501	21.000	18.800	11.7	62001	505	5.040	4.440	13.5	63217	504	41.100	31.000	32.6
61217	503	14.300	12.800	11.7	62002	501	5.690	4.830	17.8	63217	505	27.800	21.900	26.9
61217	504	11.900	10.600	12.3	62002	503	3.890	3.290	18.2	63218	501	13.800	10.500	31.4
61217	505	8.480	7.870	7.8	62002	504	3.220	2.720	18.4	63218	503	23.100	17.400	32.8
61218	501	14.300	12.800	11.7	62002	505	2.300	2.030	13.3	63218	504	13.800	10.500	31.4
61218	503	9.790	8.740	12.0	62003	501	17.900	15.200	17.8	63218	505	9.370	7.360	27.3
61218	504	8.110	7.220	12.3	62003	503	12.300	10.400	18.3	64074	501	15.700	14.100	11.3
61218	505	5.800	5.380	7.8	62003	504	10.100	8.590	17.6	64074	503	25.000	22.500	11.1
61223	501	102.000	86.600	17.8	62003	505	7.250	6.390	13.5	64074	504	12.700	11.400	11.4
61223	503	69.600	59.000	18.0	63010	501	56.800	50.700	12.0	64074	505	11.100	10.300	7.8
61223	504	57.600	48.800	18.0	63010	503	61.200	54.600	12.1	64075	501	11.100	9.960	11.4
61223	505	41.200	36.300	13.5	63010	504	42.700	38.100	12.1	64075	503	17.600	15.800	11.4
61224	501	32.500	30.700	5.9	63010	505	29.300	27.200	7.7	64075	504	8.910	8.000	11.4
61224	503	22.200	20.900	6.2	63011	501	71.000	63.400	12.0	64075	505	7.790	7.280	7.0
61224	504	18.400	17.300	6.4	63011	503	76.500	68.200	12.2	65007	501	36.100	30.700	17.6
61224	505	13.100	12.900	1.6	63011	504	53.300	47.600	12.0	65007	503	24.700	20.900	18.2
61225	501	45.100	42.600	5.9	63011	505	36.700	34.000	7.9	65007	504	20.400	17.300	17.9
61225	503	30.800	29.000	6.2	63012	501	101.000	90.100	12.1	65007	505	14.600	12.900	13.2
61225	504	25.500	24.000	6.2	63012	503	109.000	97.100	12.3	66122	501	15.500	13.200	17.4
61225	505	18.200	17.800	2.2	63012	504	75.900	67.600	12.3	66122	503	10.600	8.990	17.9
61226	501	75.900	67.900	11.8	63012	505	52.200	48.300	8.1	66122	504	8.780	7.430	18.2
61226	503	51.800	46.200	12.1	63013	501	95.700	85.400	12.1	66122	505	6.270	5.530	13.4
61226	504	42.800	38.200	12.0	63013	503	103.000	91.900	12.1	66123	501	8.540	7.250	17.8
61226	505	30.700	28.400	8.1	63013	504	71.800	64.100	12.0	66123	503	5.830	4.940	18.0
61227	501	69.400	62.100	11.8	63013	505	49.400	45.800	7.9	66123	504	4.820	4.080	18.1
61227	503	47.400	42.300	12.1	63215	501	59.300	50.400	17.7	66123	505	3.450	3.040	13.5
61227	504	39.200	35.000	12.0	63215	503	40.500	34.300	18.1	66309	501	25.000	21.200	17.9
61227	505	28.000	26.000	7.7	63215	504	33.500	28.400	18.0	66309	503	17.000	14.400	18.1
62000	501	15.800	14.100	12.1	63215	505	23.900	21.100	13.3	66309	504	14.100	11.900	18.5
62000	503	10.800	9.620	12.3	63216	501	41.100	35.000	17.4	66309	505	10.100	8.880	13.7
62000	504	8.930	7.960	12.2	63216	503	28.100	23.800	18.1	66561	501	57.800	49.100	17.7

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STATE: 21 - MICHIGAN
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
66561	503	39.400	33.400	18.0	67635	501	32.800	27.900	17.6	68703	505	1.860	1.640	13.4
66561	504	32.700	27.600	18.5	67635	503	22.400	19.000	17.9	68706	501	19.700	16.700	18.0
66561	505	23.300	20.600	13.1	67635	504	18.600	15.700	18.5	68706	503	13.400	11.400	17.5
67017	501	53.600	45.600	17.5	67635	505	13.300	11.700	13.7	68706	504	11.100	9.420	17.8
67017	503	36.600	31.000	18.1	68001	501	100.000	85.200	17.4	68706	505	7.950	7.010	13.4
67017	504	30.300	25.700	17.9	68001	503	68.400	58.000	17.9	68707	501	19.500	16.500	18.2
67017	505	21.700	19.100	13.6	68001	504	56.700	48.000	18.1	68707	503	13.300	11.300	17.7
67508	501	36.900	29.700	24.2	68001	505	40.500	35.700	13.4	68707	504	11.000	9.320	18.0
67508	503	22.000	17.700	24.3	68439	501	129.000	110.000	17.3	68707	505	7.870	6.930	13.6
67508	504	23.100	18.500	24.9	68439	503	88.000	74.600	18.0	90089	501	4.160	4.280	-2.8
67508	505	15.500	12.900	20.2	68439	504	72.900	61.700	18.2	90089	503	4.160	4.280	-2.8
67509	501	27.100	21.800	24.3	68439	505	52.100	45.900	13.5	90089	504	4.160	4.280	-2.8
67509	503	16.100	12.900	24.8	68500	501	6.950	6.200	12.1	90089	505	4.160	4.280	-2.8
67509	504	16.900	13.500	25.2	68500	503	7.480	6.670	12.1	91111	501	2.150	2.270	-5.3
67509	505	11.400	9.460	20.5	68500	504	5.220	4.650	12.3	91111	503	2.150	2.270	-5.3
67510	501	15.100	12.100	24.8	68500	505	3.590	3.320	8.1	91111	504	2.150	2.270	-5.3
67510	503	8.990	7.210	24.7	68604	501	2.410	2.050	17.6	91111	505	2.150	2.270	-5.3
67510	504	9.410	7.540	24.8	68604	503	1.640	1.390	18.0	91125	501	2.510	2.580	-2.7
67510	505	6.330	5.270	20.1	68604	504	1.360	1.150	18.3	91125	503	2.510	2.580	-2.7
67511	501	16.300	13.100	24.4	68604	505	0.970	0.860	12.8	91125	504	2.510	2.580	-2.7
67511	503	9.720	7.800	24.6	68606	501	9.410	8.000	17.6	91125	505	2.510	2.580	-2.7
67511	504	10.200	8.160	25.0	68606	503	6.430	5.440	18.2	91127	501	1.450	1.530	-5.2
67511	505	6.850	5.700	20.2	68606	504	5.320	4.500	18.2	91127	503	1.450	1.530	-5.2
67512	501	69.900	56.200	24.4	68606	505	3.800	3.350	13.4	91127	504	1.450	1.530	-5.2
67512	503	41.600	33.400	24.6	68607	501	7.440	6.320	17.7	91127	505	1.450	1.530	-5.2
67512	504	43.600	34.900	24.9	68607	503	5.080	4.300	18.1	91130	501	1.120	1.200	-6.7
67512	505	29.300	24.400	20.1	68607	504	4.210	3.560	18.3	91130	503	1.120	1.200	-6.7
67513	501	44.300	35.600	24.4	68607	505	3.000	2.650	13.2	91130	504	1.120	1.200	-6.7
67513	503	26.400	21.200	24.5	68702	501	6.130	5.210	17.7	91130	505	1.120	1.200	-6.7
67513	504	27.700	22.200	24.8	68702	503	4.180	3.550	17.7	91135	501	0.310	0.330	-6.1
67513	505	18.600	15.500	20.0	68702	504	3.460	2.930	18.1	91135	503	0.310	0.330	-6.1
67634	501	46.400	39.400	17.8	68702	505	2.470	2.180	13.3	91135	504	0.310	0.330	-6.1
67634	503	31.700	26.800	18.3	68703	501	4.600	3.900	17.9	91135	505	0.310	0.330	-6.1
67634	504	26.200	22.200	18.0	68703	503	3.140	2.660	18.0	91150	501	1.370	1.440	-4.9
67634	505	18.700	16.500	13.3	68703	504	2.600	2.200	18.2	91150	503	1.370	1.440	-4.9

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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
91150	504	1.370	1.440	-4.9	91250	503	2.510	2.650	-5.3	91343	501	0.960	0.990	-3.0
91150	505	1.370	1.440	-4.9	91250	504	2.510	2.650	-5.3	91343	503	0.960	0.990	-3.0
91155	501	3.040	3.210	-5.3	91250	505	2.510	2.650	-5.3	91343	504	0.960	0.990	-3.0
91155	503	3.040	3.210	-5.3	91265	501	13.700	14.600	-6.2	91343	505	0.960	0.990	-3.0
91155	504	3.040	3.210	-5.3	91265	503	13.700	14.600	-6.2	91405	501	5.680	5.760	-1.4
91155	505	3.040	3.210	-5.3	91265	504	13.700	14.600	-6.2	91405	503	5.680	5.760	-1.4
91160	501	1.010	1.040	-2.9	91265	505	13.700	14.600	-6.2	91405	504	5.680	5.760	-1.4
91160	503	1.010	1.040	-2.9	91266	501	7.240	7.730	-6.3	91405	505	5.680	5.760	-1.4
91160	504	1.010	1.040	-2.9	91266	503	7.240	7.730	-6.3	91436	501	4.920	5.060	-2.8
91160	505	1.010	1.040	-2.9	91266	504	7.240	7.730	-6.3	91436	503	4.920	5.060	-2.8
91175	501	0.870	0.890	-2.2	91266	505	7.240	7.730	-6.3	91436	504	4.920	5.060	-2.8
91175	503	0.870	0.890	-2.2	91302	501	11.000	11.200	-1.8	91436	505	4.920	5.060	-2.8
91175	504	0.870	0.890	-2.2	91302	503	11.000	11.200	-1.8	91481	501	18.000	18.500	-2.7
91175	505	0.870	0.890	-2.2	91302	504	11.000	11.200	-1.8	91481	503	18.000	18.500	-2.7
91177	501	3.790	3.900	-2.8	91302	505	11.000	11.200	-1.8	91481	504	18.000	18.500	-2.7
91177	503	3.790	3.900	-2.8	91315	501	3.350	3.400	-1.5	91481	505	18.000	18.500	-2.7
91177	504	3.790	3.900	-2.8	91315	503	3.350	3.400	-1.5	91507	501	2.650	2.720	-2.6
91177	505	3.790	3.900	-2.8	91315	504	3.350	3.400	-1.5	91507	503	2.650	2.720	-2.6
91179	501	3.810	3.920	-2.8	91315	505	3.350	3.400	-1.5	91507	504	2.650	2.720	-2.6
91179	503	3.810	3.920	-2.8	91324	501	7.470	7.570	-1.3	91507	505	2.650	2.720	-2.6
91179	504	3.810	3.920	-2.8	91324	503	7.470	7.570	-1.3	91523	501	40.800	42.000	-2.9
91179	505	3.810	3.920	-2.8	91324	504	7.470	7.570	-1.3	91523	503	40.800	42.000	-2.9
91190	501	2.040	2.100	-2.9	91324	505	7.470	7.570	-1.3	91523	504	40.800	42.000	-2.9
91190	503	2.040	2.100	-2.9	91340	501	4.870	4.940	-1.4	91523	505	40.800	42.000	-2.9
91190	504	2.040	2.100	-2.9	91340	503	4.870	4.940	-1.4	91547	501	0.232	0.239	-2.9
91190	505	2.040	2.100	-2.9	91340	504	4.870	4.940	-1.4	91547	503	0.232	0.239	-2.9
91200	501	0.640	0.680	-5.9	91340	505	4.870	4.940	-1.4	91547	504	0.232	0.239	-2.9
91200	503	0.640	0.680	-5.9	91341	501	4.350	4.480	-2.9	91547	505	0.232	0.239	-2.9
91200	504	0.640	0.680	-5.9	91341	503	4.350	4.480	-2.9	91551	501	1.440	1.480	-2.7
91200	505	0.640	0.680	-5.9	91341	504	4.350	4.480	-2.9	91551	503	1.440	1.480	-2.7
91235	501	1.670	1.760	-5.1	91341	505	4.350	4.480	-2.9	91551	504	1.440	1.480	-2.7
91235	503	1.670	1.760	-5.1	91342	501	4.470	4.530	-1.3	91551	505	1.440	1.480	-2.7
91235	504	1.670	1.760	-5.1	91342	503	4.470	4.530	-1.3	91555	501	1.010	1.060	-4.7
91235	505	1.670	1.760	-5.1	91342	504	4.470	4.530	-1.3	91555	503	1.010	1.060	-4.7
91250	501	2.510	2.650	-5.3	91342	505	4.470	4.530	-1.3	91555	504	1.010	1.060	-4.7

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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
91555	505	1.010	1.060	-4.7	91641	504	1.040	1.110	-6.3	92102	503	4.470	4.600	-2.8
91560	501	4.000	4.270	-6.3	91641	505	1.040	1.110	-6.3	92102	504	4.470	4.600	-2.8
91560	503	4.000	4.270	-6.3	91666	501	0.900	0.920	-2.2	92102	505	4.470	4.600	-2.8
91560	504	4.000	4.270	-6.3	91666	503	0.900	0.920	-2.2	92215	501	2.390	2.530	-5.5
91560	505	4.000	4.270	-6.3	91666	504	0.900	0.920	-2.2	92215	503	2.390	2.530	-5.5
91562	501	3.200	3.300	-3.0	91666	505	0.900	0.920	-2.2	92215	504	2.390	2.530	-5.5
91562	503	3.200	3.300	-3.0	91722	501	3.360	3.590	-6.4	92215	505	2.390	2.530	-5.5
91562	504	3.200	3.300	-3.0	91722	503	3.360	3.590	-6.4	92338	501	1.720	1.770	-2.8
91562	505	3.200	3.300	-3.0	91722	504	3.360	3.590	-6.4	92338	503	1.720	1.770	-2.8
91577	501	11.500	11.800	-2.5	91722	505	3.360	3.590	-6.4	92338	504	1.720	1.770	-2.8
91577	503	11.500	11.800	-2.5	91746	501	3.200	3.300	-3.0	92338	505	1.720	1.770	-2.8
91577	504	11.500	11.800	-2.5	91746	503	3.200	3.300	-3.0	92445	501	2.200	2.350	-6.4
91577	505	11.500	11.800	-2.5	91746	504	3.200	3.300	-3.0	92445	503	2.200	2.350	-6.4
91580	501	5.280	5.640	-6.4	91746	505	3.200	3.300	-3.0	92445	504	2.200	2.350	-6.4
91580	503	5.280	5.640	-6.4	91805	501	0.201	0.207	-2.9	92445	505	2.200	2.350	-6.4
91580	504	5.280	5.640	-6.4	91805	503	0.201	0.207	-2.9	92446	501	5.650	5.810	-2.8
91580	505	5.280	5.640	-6.4	91805	504	0.201	0.207	-2.9	92446	503	5.650	5.810	-2.8
91590	501	3.330	3.420	-2.6	91805	505	0.201	0.207	-2.9	92446	504	5.650	5.810	-2.8
91590	503	3.330	3.420	-2.6	92053	501	0.500	0.510	-2.0	92446	505	5.650	5.810	-2.8
91590	504	3.330	3.420	-2.6	92053	503	0.500	0.510	-2.0	92447	501	4.940	5.080	-2.8
91590	505	3.330	3.420	-2.6	92053	504	0.500	0.510	-2.0	92447	503	4.940	5.080	-2.8
91606	501	11.000	11.700	-6.0	92053	505	0.500	0.510	-2.0	92447	504	4.940	5.080	-2.8
91606	503	11.000	11.700	-6.0	92054	501	0.170	0.175	-2.9	92447	505	4.940	5.080	-2.8
91606	504	11.000	11.700	-6.0	92054	503	0.170	0.175	-2.9	92451	501	1.670	1.760	-5.1
91606	505	11.000	11.700	-6.0	92054	504	0.170	0.175	-2.9	92451	503	1.670	1.760	-5.1
91629	501	2.240	2.390	-6.3	92054	505	0.170	0.175	-2.9	92451	504	1.670	1.760	-5.1
91629	503	2.240	2.390	-6.3	92055	501	4.750	4.890	-2.9	92451	505	1.670	1.760	-5.1
91629	504	2.240	2.390	-6.3	92055	503	4.750	4.890	-2.9	92453	501	3.130	3.220	-2.8
91629	505	2.240	2.390	-6.3	92055	504	4.750	4.890	-2.9	92453	503	3.130	3.220	-2.8
91636	501	3.840	4.100	-6.3	92055	505	4.750	4.890	-2.9	92453	504	3.130	3.220	-2.8
91636	503	3.840	4.100	-6.3	92101	501	7.430	7.640	-2.7	92453	505	3.130	3.220	-2.8
91636	504	3.840	4.100	-6.3	92101	503	7.430	7.640	-2.7	92478	501	1.550	1.590	-2.5
91636	505	3.840	4.100	-6.3	92101	504	7.430	7.640	-2.7	92478	503	1.550	1.590	-2.5
91641	501	1.040	1.110	-6.3	92101	505	7.430	7.640	-2.7	92478	504	1.550	1.590	-2.5
91641	503	1.040	1.110	-6.3	92102	501	4.470	4.600	-2.8	92478	505	1.550	1.590	-2.5

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
92593	501	21.900	23.100	-5.2	94404	505	4.200	4.320	-2.8	95357	504	1.120	1.200	-6.7
92593	503	21.900	23.100	-5.2	94569	501	2.830	2.910	-2.7	95357	505	1.120	1.200	-6.7
92593	504	21.900	23.100	-5.2	94569	503	2.830	2.910	-2.7	95410	501	4.270	4.400	-3.0
92593	505	21.900	23.100	-5.2	94569	504	2.830	2.910	-2.7	95410	503	4.270	4.400	-3.0
92663	501	0.520	0.560	-7.1	94569	505	2.830	2.910	-2.7	95410	504	4.270	4.400	-3.0
92663	503	0.520	0.560	-7.1	94590	501	12.200	12.600	-3.2	95410	505	4.270	4.400	-3.0
92663	504	0.520	0.560	-7.1	94590	503	12.200	12.600	-3.2	95455	501	4.640	4.960	-6.5
92663	505	0.520	0.560	-7.1	94590	504	12.200	12.600	-3.2	95455	503	4.640	4.960	-6.5
94007	501	10.600	10.900	-2.8	94590	505	12.200	12.600	-3.2	95455	504	4.640	4.960	-6.5
94007	503	10.600	10.900	-2.8	94617	501	3.850	3.970	-3.0	95455	505	4.640	4.960	-6.5
94007	504	10.600	10.900	-2.8	94617	503	3.850	3.970	-3.0	95487	501	2.290	2.360	-3.0
94007	505	10.600	10.900	-2.8	94617	504	3.850	3.970	-3.0	95487	503	2.290	2.360	-3.0
94099	501	2.410	2.480	-2.8	94617	505	3.850	3.970	-3.0	95487	504	2.290	2.360	-3.0
94099	503	2.410	2.480	-2.8	95124	501	1.420	1.470	-3.4	95487	505	2.290	2.360	-3.0
94099	504	2.410	2.480	-2.8	95124	503	1.420	1.470	-3.4	95505	501	2.160	2.310	-6.5
94099	505	2.410	2.480	-2.8	95124	504	1.420	1.470	-3.4	95505	503	2.160	2.310	-6.5
94225	501	8.500	8.740	-2.7	95124	505	1.420	1.470	-3.4	95505	504	2.160	2.310	-6.5
94225	503	8.500	8.740	-2.7	95233	501	3.050	3.140	-2.9	95505	505	2.160	2.310	-6.5
94225	504	8.500	8.740	-2.7	95233	503	3.050	3.140	-2.9	95620	501	1.860	1.910	-2.6
94225	505	8.500	8.740	-2.7	95233	504	3.050	3.140	-2.9	95620	503	1.860	1.910	-2.6
94276	501	4.430	4.550	-2.6	95233	505	3.050	3.140	-2.9	95620	504	1.860	1.910	-2.6
94276	503	4.430	4.550	-2.6	95305	501	3.310	3.410	-2.9	95620	505	1.860	1.910	-2.6
94276	504	4.430	4.550	-2.6	95305	503	3.310	3.410	-2.9	95625	501	5.280	5.350	-1.3
94276	505	4.430	4.550	-2.6	95305	504	3.310	3.410	-2.9	95625	503	5.280	5.350	-1.3
94304	501	2.130	2.250	-5.3	95305	505	3.310	3.410	-2.9	95625	504	5.280	5.350	-1.3
94304	503	2.130	2.250	-5.3	95306	501	4.400	4.700	-6.4	95625	505	5.280	5.350	-1.3
94304	504	2.130	2.250	-5.3	95306	503	4.400	4.700	-6.4	95647	501	2.010	2.120	-5.2
94304	505	2.130	2.250	-5.3	95306	504	4.400	4.700	-6.4	95647	504	2.010	2.120	-5.2
94381	501	4.000	4.230	-5.4	95306	505	4.400	4.700	-6.4	95647	505	2.010	2.120	-5.2
94381	503	4.000	4.230	-5.4	95310	501	7.910	8.140	-2.8	96053	501	1.530	1.610	-5.0
94381	504	4.000	4.230	-5.4	95310	503	7.910	8.140	-2.8	96053	503	1.530	1.610	-5.0
94381	505	4.000	4.230	-5.4	95310	504	7.910	8.140	-2.8	96053	504	1.530	1.610	-5.0
94404	501	4.200	4.320	-2.8	95310	505	7.910	8.140	-2.8	96053	505	1.530	1.610	-5.0
94404	503	4.200	4.320	-2.8	95357	501	1.120	1.200	-6.7	96317	501	1.160	1.240	-6.5
94404	504	4.200	4.320	-2.8	95357	503	1.120	1.200	-6.7					

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STATE: 21 - MICHIGAN
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
96317	503	1.160	1.240	-6.5	97050	501	2.640	2.670	-1.1	97651	505	5.440	5.810	-6.4
96317	504	1.160	1.240	-6.5	97050	503	2.640	2.670	-1.1	97652	501	4.720	5.040	-6.3
96317	505	1.160	1.240	-6.5	97050	504	2.640	2.670	-1.1	97652	503	4.720	5.040	-6.3
96408	501	3.700	3.810	-2.9	97050	505	2.640	2.670	-1.1	97652	504	4.720	5.040	-6.3
96408	503	3.700	3.810	-2.9	97111	501	5.110	5.260	-2.9	97652	505	4.720	5.040	-6.3
96408	504	3.700	3.810	-2.9	97111	503	5.110	5.260	-2.9	97653	501	3.020	3.110	-2.9
96408	505	3.700	3.810	-2.9	97111	504	5.110	5.260	-2.9	97653	503	3.020	3.110	-2.9
96409	501	3.420	3.520	-2.8	97111	505	5.110	5.260	-2.9	97653	504	3.020	3.110	-2.9
96409	503	3.420	3.520	-2.8	97220	501	0.300	0.320	-6.3	97653	505	3.020	3.110	-2.9
96409	504	3.420	3.520	-2.8	97220	503	0.300	0.320	-6.3	97654	501	5.260	5.410	-2.8
96409	505	3.420	3.520	-2.8	97220	504	0.300	0.320	-6.3	97654	503	5.260	5.410	-2.8
96410	501	3.000	3.090	-2.9	97220	505	0.300	0.320	-6.3	97654	504	5.260	5.410	-2.8
96410	503	3.000	3.090	-2.9	97222	501	1.110	1.170	-5.1	97654	505	5.260	5.410	-2.8
96410	504	3.000	3.090	-2.9	97222	503	1.110	1.170	-5.1	97655	501	4.200	4.490	-6.5
96410	505	3.000	3.090	-2.9	97222	504	1.110	1.170	-5.1	97655	503	4.200	4.490	-6.5
96611	501	1.120	1.130	-0.9	97222	505	1.110	1.170	-5.1	97655	504	4.200	4.490	-6.5
96611	503	1.120	1.130	-0.9	97223	501	1.670	1.760	-5.1	97655	505	4.200	4.490	-6.5
96611	504	1.120	1.130	-0.9	97223	503	1.670	1.760	-5.1	98002	501	0.760	0.810	-6.2
96611	505	1.120	1.130	-0.9	97223	504	1.670	1.760	-5.1	98002	503	0.760	0.810	-6.2
96702	501	4.260	4.380	-2.7	97223	505	1.670	1.760	-5.1	98002	504	0.760	0.810	-6.2
96702	503	4.260	4.380	-2.7	97308	501	0.560	0.600	-6.7	98002	505	0.760	0.810	-6.2
96702	504	4.260	4.380	-2.7	97308	503	0.560	0.600	-6.7	98003	501	0.940	0.970	-3.1
96702	505	4.260	4.380	-2.7	97308	504	0.560	0.600	-6.7	98003	503	0.940	0.970	-3.1
96816	501	3.990	4.110	-2.9	97308	505	0.560	0.600	-6.7	98003	504	0.940	0.970	-3.1
96816	503	3.990	4.110	-2.9	97447	501	1.840	1.970	-6.6	98003	505	0.940	0.970	-3.1
96816	504	3.990	4.110	-2.9	97447	503	1.840	1.970	-6.6	98090	501	0.127	0.131	-3.1
96816	505	3.990	4.110	-2.9	97447	504	1.840	1.970	-6.6	98090	503	0.127	0.131	-3.1
96872	501	4.120	4.400	-6.4	97447	505	1.840	1.970	-6.6	98090	504	0.127	0.131	-3.1
96872	503	4.120	4.400	-6.4	97650	501	3.530	3.630	-2.8	98090	505	0.127	0.131	-3.1
96872	504	4.120	4.400	-6.4	97650	503	3.530	3.630	-2.8	98091	501	0.138	0.142	-2.8
96872	505	4.120	4.400	-6.4	97650	504	3.530	3.630	-2.8	98091	503	0.138	0.142	-2.8
97047	501	3.400	3.440	-1.2	97650	505	3.530	3.630	-2.8	98091	504	0.138	0.142	-2.8
97047	503	3.400	3.440	-1.2	97651	501	5.440	5.810	-6.4	98091	505	0.138	0.142	-2.8
97047	504	3.400	3.440	-1.2	97651	503	5.440	5.810	-6.4	98092	501	0.420	0.430	-2.3
97047	505	3.400	3.440	-1.2	97651	504	5.440	5.810	-6.4	98092	503	0.420	0.430	-2.3

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98092	504	0.420	0.430	-2.3	98161	503	4.840	5.170	-6.4	98308	501	1.100	1.130	-2.7
98092	505	0.420	0.430	-2.3	98161	504	4.840	5.170	-6.4	98308	503	1.100	1.130	-2.7
98111	501	0.420	0.450	-6.7	98161	505	4.840	5.170	-6.4	98308	504	1.100	1.130	-2.7
98111	503	0.420	0.450	-6.7	98163	501	5.080	5.430	-6.4	98308	505	1.100	1.130	-2.7
98111	504	0.420	0.450	-6.7	98163	503	5.080	5.430	-6.4	98309	501	4.800	5.130	-6.4
98111	505	0.420	0.450	-6.7	98163	504	5.080	5.430	-6.4	98309	503	4.800	5.130	-6.4
98152	501	2.730	2.730	-6.2	98163	505	5.080	5.430	-6.4	98309	504	4.800	5.130	-6.4
98152	503	2.560	2.730	-6.2	98164	501	1.410	1.490	-5.4	98309	505	4.800	5.130	-6.4
98152	504	2.560	2.730	-6.2	98164	503	1.410	1.490	-5.4	98344	501	0.760	0.770	-1.3
98152	505	2.560	2.730	-6.2	98164	504	1.410	1.490	-5.4	98344	503	0.760	0.770	-1.3
98153	501	2.880	3.080	-6.5	98164	505	1.410	1.490	-5.4	98344	504	0.760	0.770	-1.3
98153	503	2.880	3.080	-6.5	98257	501	1.420	1.470	-3.4	98344	505	0.760	0.770	-1.3
98153	504	2.880	3.080	-6.5	98257	503	1.420	1.470	-3.4	98405	501	1.250	1.270	-1.6
98153	505	2.880	3.080	-6.5	98257	504	1.420	1.470	-3.4	98405	503	1.250	1.270	-1.6
98154	501	3.400	3.630	-6.3	98257	505	1.420	1.470	-3.4	98405	504	1.250	1.270	-1.6
98154	503	3.400	3.630	-6.3	98303	501	9.560	10.200	-6.3	98405	505	1.250	1.270	-1.6
98154	504	3.400	3.630	-6.3	98303	503	9.560	10.200	-6.3	98413	501	13.900	14.300	-2.8
98154	505	3.400	3.630	-6.3	98303	504	9.560	10.200	-6.3	98413	503	13.900	14.300	-2.8
98155	501	4.760	5.090	-6.5	98303	505	9.560	10.200	-6.3	98413	504	13.900	14.300	-2.8
98155	503	4.760	5.090	-6.5	98304	501	5.280	5.430	-2.8	98413	505	13.900	14.300	-2.8
98155	504	4.760	5.090	-6.5	98304	503	5.280	5.430	-2.8	98414	501	12.700	13.100	-3.1
98155	505	4.760	5.090	-6.5	98304	504	5.280	5.430	-2.8	98414	503	12.700	13.100	-3.1
98157	501	3.040	3.250	-6.5	98304	505	5.280	5.430	-2.8	98414	504	12.700	13.100	-3.1
98157	503	3.040	3.250	-6.5	98305	501	2.730	2.760	-1.1	98414	505	12.700	13.100	-3.1
98157	504	3.040	3.250	-6.5	98305	503	2.730	2.760	-1.1	98415	501	1.670	1.720	-2.9
98157	505	3.040	3.250	-6.5	98305	504	2.730	2.760	-1.1	98415	503	1.670	1.720	-2.9
98159	501	2.040	2.180	-6.4	98305	505	2.730	2.760	-1.1	98415	504	1.670	1.720	-2.9
98159	503	2.040	2.180	-6.4	98306	501	7.020	7.120	-1.4	98415	505	1.670	1.720	-2.9
98159	504	2.040	2.180	-6.4	98306	503	7.020	7.120	-1.4	98423	501	3.980	4.090	-2.7
98159	505	2.040	2.180	-6.4	98306	504	7.020	7.120	-1.4	98423	503	3.980	4.090	-2.7
98160	501	4.320	4.620	-6.5	98306	505	7.020	7.120	-1.4	98423	504	3.980	4.090	-2.7
98160	503	4.320	4.620	-6.5	98307	501	1.670	1.720	-2.9	98423	505	3.980	4.090	-2.7
98160	504	4.320	4.620	-6.5	98307	503	1.670	1.720	-2.9	98424	501	6.750	6.940	-2.7
98160	505	4.320	4.620	-6.5	98307	504	1.670	1.720	-2.9	98424	503	6.750	6.940	-2.7
98161	501	4.840	5.170	-6.4	98307	505	1.670	1.720	-2.9	98424	504	6.750	6.940	-2.7

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STATE: 21 - MICHIGAN
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
98424	505	6.750	6.940	-2.7	98555	504	2.410	2.480	-2.8	98677	503	16.900	17.400	-2.9
98425	501	2.770	2.850	-2.8	98555	505	2.410	2.480	-2.8	98677	504	16.900	17.400	-2.9
98425	503	2.770	2.850	-2.8	98597	501	0.540	0.560	-3.6	98677	505	16.900	17.400	-2.9
98425	504	2.770	2.850	-2.8	98597	503	0.540	0.560	-3.6	98678	501	15.000	15.400	-2.6
98425	505	2.770	2.850	-2.8	98597	504	0.540	0.560	-3.6	98678	503	15.000	15.400	-2.6
98426	501	2.450	2.520	-2.8	98597	505	0.540	0.560	-3.6	98678	504	15.000	15.400	-2.6
98426	503	2.450	2.520	-2.8	98598	501	0.186	0.191	-2.6	98678	505	15.000	15.400	-2.6
98426	504	2.450	2.520	-2.8	98598	503	0.186	0.191	-2.6	98699	501	4.880	5.020	-2.8
98426	505	2.450	2.520	-2.8	98598	504	0.186	0.191	-2.6	98699	503	4.880	5.020	-2.8
98427	501	2.380	2.450	-2.9	98598	505	0.186	0.191	-2.6	98699	504	4.880	5.020	-2.8
98427	503	2.380	2.450	-2.9	98601	501	6.210	6.390	-2.8	98699	505	4.880	5.020	-2.8
98427	504	2.380	2.450	-2.9	98601	503	6.210	6.390	-2.8	98705	501	6.960	7.440	-6.5
98427	505	2.380	2.450	-2.9	98601	504	6.210	6.390	-2.8	98705	503	6.960	7.440	-6.5
98429	501	1.000	1.070	-6.5	98601	505	6.210	6.390	-2.8	98705	504	6.960	7.440	-6.5
98429	503	1.000	1.070	-6.5	98624	501	0.980	1.000	-2.0	98705	505	6.960	7.440	-6.5
98429	504	1.000	1.070	-6.5	98624	503	0.980	1.000	-2.0	98710	501	3.390	3.490	-2.9
98429	505	1.000	1.070	-6.5	98624	504	0.980	1.000	-2.0	98710	503	3.390	3.490	-2.9
98449	501	3.420	3.520	-2.8	98624	505	0.980	1.000	-2.0	98710	504	3.390	3.490	-2.9
98449	503	3.420	3.520	-2.8	98636	501	2.050	2.170	-5.5	98710	505	3.390	3.490	-2.9
98449	504	3.420	3.520	-2.8	98636	503	2.050	2.170	-5.5	98751	501	3.720	3.970	-6.3
98449	505	3.420	3.520	-2.8	98636	504	2.050	2.170	-5.5	98751	503	3.720	3.970	-6.3
98482	501	3.670	3.770	-2.7	98636	505	2.050	2.170	-5.5	98751	504	3.720	3.970	-6.3
98482	503	3.670	3.770	-2.7	98640	501	107.000	110.000	-2.7	98751	505	3.720	3.970	-6.3
98482	504	3.670	3.770	-2.7	98640	503	107.000	110.000	-2.7	98805	501	4.430	4.550	-2.6
98482	505	3.670	3.770	-2.7	98640	504	107.000	110.000	-2.7	98805	503	4.430	4.550	-2.6
98483	501	5.420	5.570	-2.7	98640	505	107.000	110.000	-2.7	98805	504	4.430	4.550	-2.6
98483	503	5.420	5.570	-2.7	98658	501	4.920	5.260	-6.5	98805	505	4.430	4.550	-2.6
98483	504	5.420	5.570	-2.7	98658	503	4.920	5.260	-6.5	98806	501	1.910	2.020	-5.4
98483	505	5.420	5.570	-2.7	98658	504	4.920	5.260	-6.5	98806	503	1.910	2.020	-5.4
98502	501	5.190	5.340	-2.8	98658	505	4.920	5.260	-6.5	98806	504	1.910	2.020	-5.4
98502	503	5.190	5.340	-2.8	98659	501	0.880	0.940	-6.4	98806	505	1.910	2.020	-5.4
98502	504	5.190	5.340	-2.8	98659	503	0.880	0.940	-6.4	98810	501	3.850	3.900	-1.3
98502	505	5.190	5.340	-2.8	98659	504	0.880	0.940	-6.4	98810	503	3.850	3.900	-1.3
98555	501	2.410	2.480	-2.8	98659	505	0.880	0.940	-6.4	98810	504	3.850	3.900	-1.3
98555	503	2.410	2.480	-2.8	98677	501	16.900	17.400	-2.9	98810	505	3.850	3.900	-1.3

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E - SUBJECT TO CAPPING EXCEPTION

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98813	501	3.710	3.760	-1.3	99004	505	3.090	3.130	-1.3	99310	504	3.370	3.470	-2.9
98813	503	3.710	3.760	-1.3	99080	501	1.160	1.190	-2.5	99310	505	3.370	3.470	-2.9
98813	504	3.710	3.760	-1.3	99080	503	1.160	1.190	-2.5	99315	501	9.920	10.200	-2.7
98813	505	3.710	3.760	-1.3	99080	504	1.160	1.190	-2.5	99315	503	9.920	10.200	-2.7
98820	501	8.450	8.700	-2.9	99080	505	1.160	1.190	-2.5	99315	504	9.920	10.200	-2.7
98820	503	8.450	8.700	-2.9	99111	501	1.690	1.740	-2.9	99315	505	9.920	10.200	-2.7
98820	504	8.450	8.700	-2.9	99111	503	1.690	1.740	-2.9	99321	501	9.630	9.910	-2.8
98820	505	8.450	8.700	-2.9	99111	504	1.690	1.740	-2.9	99321	503	9.630	9.910	-2.8
98884	501	2.200	2.260	-2.7	99111	505	1.690	1.740	-2.9	99321	504	9.630	9.910	-2.8
98884	503	2.200	2.260	-2.7	99163	501	4.020	4.140	-2.9	99321	505	9.630	9.910	-2.8
98884	504	2.200	2.260	-2.7	99163	503	4.020	4.140	-2.9	99471	501	0.600	0.640	-6.3
98884	505	2.200	2.260	-2.7	99163	504	4.020	4.140	-2.9	99471	503	0.600	0.640	-6.3
98914	501	0.600	0.640	-6.3	99163	505	4.020	4.140	-2.9	99471	504	0.600	0.640	-6.3
98914	503	0.600	0.640	-6.3	99165	501	0.880	0.910	-3.3	99471	505	0.600	0.640	-6.3
98914	504	0.600	0.640	-6.3	99165	503	0.880	0.910	-3.3	99505	501	3.320	3.500	-5.1
98914	505	0.600	0.640	-6.3	99165	504	0.880	0.910	-3.3	99505	503	3.320	3.500	-5.1
98949	501	0.840	0.900	-6.7	99165	505	0.880	0.910	-3.3	99505	504	3.320	3.500	-5.1
98949	503	0.840	0.900	-6.7	99220	501	1.320	1.410	-6.4	99505	505	3.320	3.500	-5.1
98949	504	0.840	0.900	-6.7	99220	503	1.320	1.410	-6.4	99506	501	4.080	4.310	-5.3
98949	505	0.840	0.900	-6.7	99220	504	1.320	1.410	-6.4	99506	503	4.080	4.310	-5.3
98967	501	3.450	3.550	-2.8	99220	505	1.320	1.410	-6.4	99506	504	4.080	4.310	-5.3
98967	503	3.450	3.550	-2.8	99222	501	2.480	2.650	-6.4	99506	505	4.080	4.310	-5.3
98967	504	3.450	3.550	-2.8	99222	503	2.480	2.650	-6.4	99507	501	3.560	3.760	-5.3
98967	505	3.450	3.550	-2.8	99222	504	2.480	2.650	-6.4	99507	503	3.560	3.760	-5.3
98993	501	3.920	4.140	-5.3	99222	505	2.480	2.650	-6.4	99507	504	3.560	3.760	-5.3
98993	503	3.920	4.140	-5.3	99223	501	0.248	0.250	-0.8	99507	505	3.560	3.760	-5.3
98993	504	3.920	4.140	-5.3	99223	503	0.248	0.250	-0.8	99570	501	1.910	2.020	-5.4
98993	505	3.920	4.140	-5.3	99223	504	0.248	0.250	-0.8	99570	504	1.910	2.020	-5.4
99003	501	1.640	1.690	-3.0	99223	505	0.248	0.250	-0.8	99570	505	1.910	2.020	-5.4
99003	503	1.640	1.690	-3.0	99303	501	13.500	13.900	-2.9	99571	501	0.460	0.490	-6.1
99003	504	1.640	1.690	-3.0	99303	503	13.500	13.900	-2.9	99571	503	0.460	0.490	-6.1
99003	505	1.640	1.690	-3.0	99303	504	13.500	13.900	-2.9	99571	504	0.460	0.490	-6.1
99004	501	3.090	3.130	-1.3	99303	505	13.500	13.900	-2.9	99571	505	0.460	0.490	-6.1
99004	503	3.090	3.130	-1.3	99310	501	3.370	3.470	-2.9	99572	501	0.910	0.960	-5.2
99004	504	3.090	3.130	-1.3	99310	503	3.370	3.470	-2.9					

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STATE: 21 - MICHIGAN
SUBLINE: PREM/OPS

<div align="center">LOSS COST % CHANGE BY CLASS</div>

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
99572	503	0.910	0.960	-5.2	99746	501	2.310	2.370	-2.5	99938	505	3.100	3.190	-2.8
99572	504	0.910	0.960	-5.2	99746	503	2.310	2.370	-2.5	99943	501	8.980	9.240	-2.8
99572	505	0.910	0.960	-5.2	99746	504	2.310	2.370	-2.5	99943	503	8.980	9.240	-2.8
99573	501	0.870	0.910	-4.4	99746	505	2.310	2.370	-2.5	99943	504	8.980	9.240	-2.8
99573	503	0.870	0.910	-4.4	99760	501	0.260	0.270	-3.7	99943	505	8.980	9.240	-2.8
99573	504	0.870	0.910	-4.4	99760	503	0.260	0.270	-3.7	99946	501	6.690	6.880	-2.8
99573	505	0.870	0.910	-4.4	99760	504	0.260	0.270	-3.7	99946	503	6.690	6.880	-2.8
99600	501	1.340	1.360	-1.5	99760	505	0.260	0.270	-3.7	99946	504	6.690	6.880	-2.8
99600	503	1.340	1.360	-1.5	99777	501	6.660	6.750	-1.3	99946	505	6.690	6.880	-2.8
99600	504	1.340	1.360	-1.5	99777	503	6.660	6.750	-1.3	99948	501	4.730	4.990	-5.2
99600	505	1.340	1.360	-1.5	99777	504	6.660	6.750	-1.3	99948	503	4.730	4.990	-5.2
99613	501	8.530	8.780	-2.8	99777	505	6.660	6.750	-1.3	99948	504	4.730	4.990	-5.2
99613	503	8.530	8.780	-2.8	99793	501	2.930	3.010	-2.7	99948	505	4.730	4.990	-5.2
99613	504	8.530	8.780	-2.8	99793	503	2.930	3.010	-2.7	99952	501	5.630	5.710	-1.4
99613	505	8.530	8.780	-2.8	99793	504	2.930	3.010	-2.7	99952	503	5.630	5.710	-1.4
99614	501	3.000	3.040	-1.3	99793	505	2.930	3.010	-2.7	99952	504	5.630	5.710	-1.4
99614	503	3.000	3.040	-1.3	99826	501	0.760	0.770	-1.3	99952	505	5.630	5.710	-1.4
99614	504	3.000	3.040	-1.3	99826	503	0.760	0.770	-1.3	99953	501	6.080	6.160	-1.3
99614	505	3.000	3.040	-1.3	99826	504	0.760	0.770	-1.3	99953	503	6.080	6.160	-1.3
99620	501	0.460	0.480	-4.2	99826	505	0.760	0.770	-1.3	99953	504	6.080	6.160	-1.3
99620	503	0.460	0.480	-4.2	99827	501	0.420	0.430	-2.3	99953	505	6.080	6.160	-1.3
99620	504	0.460	0.480	-4.2	99827	503	0.420	0.430	-2.3	99954	501	4.430	4.490	-1.3
99620	505	0.460	0.480	-4.2	99827	504	0.420	0.430	-2.3	99954	503	4.430	4.490	-1.3
99650	501	0.910	0.960	-5.2	99827	505	0.420	0.430	-2.3	99954	504	4.430	4.490	-1.3
99650	503	0.910	0.960	-5.2	99851	501	1.700	1.750	-2.9	99954	505	4.430	4.490	-1.3
99650	504	0.910	0.960	-5.2	99851	503	1.700	1.750	-2.9	99955	501	5.550	5.620	-1.2
99650	505	0.910	0.960	-5.2	99851	504	1.700	1.750	-2.9	99955	503	5.550	5.620	-1.2
99709	501	2.230	2.360	-5.5	99851	505	1.700	1.750	-2.9	99955	504	5.550	5.620	-1.2
99709	503	2.230	2.360	-5.5	99917	501	2.760	2.830	-2.5	99955	505	5.550	5.620	-1.2
99709	504	2.230	2.360	-5.5	99917	503	2.760	2.830	-2.5	99963	501	0.670	0.680	-1.5
99709	505	2.230	2.360	-5.5	99917	504	2.760	2.830	-2.5	99963	503	0.670	0.680	-1.5
99718	501	1.360	1.400	-2.9	99917	505	2.760	2.830	-2.5	99963	504	0.670	0.680	-1.5
99718	503	1.360	1.400	-2.9	99938	501	3.100	3.190	-2.8	99963	505	0.670	0.680	-1.5
99718	504	1.360	1.400	-2.9	99938	503	3.100	3.190	-2.8	99969	501	2.400	2.560	-6.2
99718	505	1.360	1.400	-2.9	99938	504	3.100	3.190	-2.8	99969	503	2.400	2.560	-6.2

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
99969	504	2.400	2.560	-6.2										
99969	505	2.400	2.560	-6.2										
99975	501	4.920	4.990	-1.4										
99975	503	4.920	4.990	-1.4										
99975	504	4.920	4.990	-1.4										
99975	505	4.920	4.990	-1.4										
99988	501	2.120	2.260	-6.2										
99988	503	2.120	2.260	-6.2										
99988	504	2.120	2.260	-6.2										
99988	505	2.120	2.260	-6.2										

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STATE: 21 - MICHIGAN
SUBLINE: PRODUCTS/COMPLETED OPERATIONS
                                                LOSS COST % CHANGE BY CLASS


        PROPOSED  PRESENT    %              PROPOSED  PRESENT    %              PROPOSED  PRESENT    %
CLASS   OCCURR    OCCURR    CHG      CLASS   OCCURR    OCCURR    CHG      CLASS   OCCURR    OCCURR    CHG
-----------------------------------------------------------------------------------------------------------
10010    0.195     0.184    6.0      11259    0.118     0.131   -9.9      13759    0.103     0.111   -7.2
10026    0.017     0.018   -5.6      11288    0.069     0.069    0.0      13930    0.201     0.211   -4.7
10040    0.300     0.280    7.1      12014    0.033     0.036   -8.3      14068    0.014     0.015   -6.7
10042    0.350     0.320    9.4      12356    0.028     0.028    0.0      14101    0.040     0.038    5.3
10060    0.047     0.050   -6.0      12361    0.077     0.082   -6.1      14279    0.057     0.057    0.0

10065    0.030     0.029    3.4      12373    0.024     0.025   -4.0      14401    0.094     0.094    0.0
10066    0.058     0.061   -4.9      12374    0.048     0.049   -2.0      14527    0.189     0.181    4.4
10070    0.154     0.141    9.2      12375    0.034     0.035   -2.9      14855    0.154     0.162   -4.9
10071    0.090     0.086    4.7      12391    0.082     0.091   -9.9      14913    0.104     0.097    7.2
10073    0.450     0.410    9.8      12509    0.036     0.038   -5.3      15223    0.041     0.033   24.2 U

10075    0.172     0.173   -0.6      12510    0.024     0.025   -4.0      15224    0.046     0.049   -6.1
10100    0.043     0.042    2.4      12651    0.530     0.490    8.2      15406    0.048     0.044    9.1
10101    0.181     0.166    9.0      12707    0.640     0.650   -1.5      15538    0.012     0.013   -7.7
10107    0.227     0.197   15.2      12797    0.196     0.169   16.0      15600    0.079     0.081   -2.5
10111    0.078     0.083   -6.0      12805    0.125     0.122    2.5      15608    0.010     0.011   -9.1

10115    0.081     0.084   -3.6      13049    0.057     0.054    5.6      15733    0.037     0.038   -2.6
10140    0.021     0.021    0.0      13111    0.093     0.097   -4.1      15839    0.022     0.022    0.0
10141    0.023     0.024   -4.2      13112    0.063     0.069   -8.7      15991    0.075     0.077   -2.6
10145    0.008     0.009  -11.1      13201    0.160     0.167   -4.2      15993    0.044     0.045   -2.2
10146    0.014     0.015   -6.7      13204    1.450     1.400    3.6      16005    0.034     0.034    0.0

10255    0.147     0.131   12.2      13205    0.460     0.430    7.0      16009    0.094     0.079   19.0
10256    0.152     0.147    3.4      13314    0.016     0.017   -5.9      16403    0.130     0.106   22.6
10257    0.169     0.167    1.2      13351    0.034     0.029   17.2      16527    0.350     0.360   -2.8
10309    0.015     0.016   -6.3      13352    0.038     0.040   -5.0      16604    0.146     0.147   -0.7
10352    0.054     0.058   -6.9      13410    2.990     2.440   22.5      16676    0.013     0.014   -7.1

11020    0.125     0.126   -0.8      13412    1.140     1.010   12.9      16705    0.148     0.152   -2.6
11039    0.048     0.048    0.0      13506    0.062     0.065   -4.6      16750    0.032     0.031    3.2
11126    0.022     0.020   10.0      13507    0.160     0.178  -10.1      16900    0.068     0.064    6.3
11127    0.008     0.008    0.0      13590    0.740     0.740    0.0      16901    0.082     0.082    0.0
11128    0.073     0.072    1.4      13621    0.320     0.360  -11.1      16902    0.057     0.061   -6.6

11203    0.520     0.540   -3.7      13670    0.015     0.013   15.4      16905    0.068     0.064    6.3
11204    1.380     1.460   -5.5      13673    0.011     0.010   10.0      16906    0.082     0.082    0.0
11234    0.059     0.062   -4.8      13715    0.165     0.154    7.1      16910    0.055     0.055    0.0
11248    0.018     0.019   -5.3      13716    0.114     0.121   -5.8      16911    0.038     0.038    0.0
11258    0.171     0.187   -8.6      13720    0.048     0.050   -4.0      16915    0.046     0.047   -2.1




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STATE: 21 - MICHIGAN
SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
16916	0.037	0.037	0.0	51116	0.690	0.570	21.1	51666	0.101	0.103	-1.9
16920	0.112	0.108	3.7	51205	0.071	0.083	-14.5	51734	0.310	0.310	0.0
16921	0.044	0.049	-10.2	51206	0.390	0.450	-13.3	51741	0.260	0.250	4.0
16930	0.129	0.111	16.2	51220	2.280	2.580	-11.6	51752	0.165	0.159	3.8
16931	0.053	0.045	17.8	51221	1.780	1.940	-8.2	51767	0.008	0.009	-11.1
16940	0.044	0.049	-10.2	51222	3.670	3.120	17.6	51777	0.078	0.076	2.6
16941	0.064	0.068	-5.9	51224	1.450	1.330	9.0	51808	0.730	0.730	0.0
18078	0.130	0.155	-16.1	51230	0.790	0.790	0.0	51809	0.153	0.158	-3.2
18109	0.030	0.031	-3.2	51240	0.185	0.182	1.6	51833	0.060	0.072	-16.7
18110	0.027	0.026	3.8	51241	0.260	0.300	-13.3	51869	0.136	0.140	-2.9
18205	0.350	0.310	12.9	51252	0.100	0.101	-1.0	51877	0.212	0.220	-3.6
18206	0.098	0.088	11.4	51254	0.039	0.045	-13.3	51889	0.012	0.014	-14.3
18335	0.017	0.018	-5.6	51300	0.160	0.173	-7.5	51896	0.018	0.020	-10.0
18435	0.051	0.047	8.5	51305	0.960	1.030	-6.8	51900	0.095	0.093	2.2
18436	0.093	0.105	-11.4	51315	0.106	0.106	0.0	51909	0.056	0.057	-1.8
18501	0.010	0.011	-9.1	51330	0.530	0.430	23.3 U	51926	0.038	0.040	-5.0
18506	0.006	0.006	0.0	51333	0.340	0.310	9.7	51927	0.131	0.115	13.9
18507	0.008	0.008	0.0	51350	0.135	0.142	-4.9	51934	0.125	0.142	-12.0
18616	0.590	0.540	9.3	51351	0.042	0.045	-6.7	51941	0.041	0.039	5.1
18707	0.004	0.003	33.3 N	51352	0.108	0.114	-5.3	51956	0.221	0.246	-10.2
18708	0.019	0.015	26.7 U	51355	0.094	0.096	-2.1	51957	0.420	0.400	5.0
18834	0.120	0.127	-5.5	51356	0.620	0.690	-10.1	51958	0.410	0.390	5.1
18911	0.017	0.018	-5.6	51357	0.660	0.530	24.5 U	51960	0.350	0.360	-2.8
18912	0.024	0.024	0.0	51358	0.141	0.149	-5.4	51970	0.238	0.250	-4.8
18920	0.016	0.017	-5.9	51359	0.780	0.840	-7.1	51982	0.083	0.085	-2.4
45771	0.164	0.176	-6.8	51370	4.570	5.000	-8.6	51986	0.103	0.107	-3.7
45819	0.051	0.051	0.0	51380	0.044	0.050	-12.0	51999	0.440	0.460	-4.3
45900	0.034	0.042	-19.0	51500	0.119	0.109	9.2	52002	0.129	0.118	9.3
45901	0.049	0.047	4.3	51550	0.390	0.360	8.3	52075	0.243	0.250	-2.8
49239	0.600	0.650	-7.7	51551	0.910	0.920	-1.1	52134	0.630	0.700	-10.0
49617	0.144	0.130	10.8	51552	0.159	0.159	0.0	52315	0.260	0.240	8.3
49618	0.047	0.041	14.6	51575	0.020	0.020	0.0	52433	1.020	1.200	-15.0
49619	0.098	0.095	3.2	51576	0.093	0.075	24.0 U	52469	0.104	0.109	-4.6
50010	0.490	0.580	-15.5	51600	0.191	0.198	-3.5	52505	0.216	0.203	6.4
51001	0.450	0.460	-2.2	51613	0.139	0.138	0.7	52547	0.078	0.088	-11.4

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E - SUBJECT TO CAPPING EXCEPTION

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STATE: 21 - MICHIGAN
SUBLINE: PRODUCTS/COMPLETED OPERATIONS
                                        LOSS COST % CHANGE BY CLASS


      PROPOSED  PRESENT    %              PROPOSED  PRESENT    %              PROPOSED  PRESENT    %
CLASS OCCURR    OCCURR     CHG      CLASS OCCURR    OCCURR     CHG      CLASS OCCURR    OCCURR     CHG
------------------------------------------------------------------------------------------------------
52581   2.950     3.680   -19.8 L   56391   0.320     0.320     0.0    58397   0.740     0.830   -10.8
52744   0.081     0.094   -13.8     56427   0.125     0.125     0.0    58503   0.076     0.061    24.6 U
52911   0.450     0.520   -13.5     56488   0.034     0.034     0.0    58575   0.120     0.123    -2.4
52967   0.062     0.064    -3.1     56690   0.350     0.360    -2.8    58627   0.013     0.016   -18.8
53001   0.330     0.330     0.0     56699   0.057     0.051    11.8    58663   1.280     1.590   -19.5 L

53077   0.207     0.197     5.1     56758   0.148     0.155    -4.5    58737   0.630     0.740   -14.9
53121   0.440     0.460    -4.3     56759   0.080     0.093   -14.0    58802   0.480     0.450     6.7
53333   0.239     0.213    12.2     56760   0.098     0.106    -7.5    58837   0.162     0.165    -1.8
53374   0.310     0.380   -18.4     56912   0.090     0.084     7.1    58840   0.127     0.111    14.4
53375   0.223     0.250   -10.8     56916   0.205     0.187     9.6    58873   0.030     0.030     0.0

53376   0.194     0.187     3.7     57001   0.026     0.021    23.8    58904   0.128     0.131    -2.3
53377   0.195     0.211    -7.6     57002   0.106     0.110    -3.6    58922   0.168     0.187   -10.2
53565   0.108     0.124   -12.9     57090   0.660     0.630     4.8    59005   0.096     0.096     0.0
53631   0.022     0.022     0.0     57146   0.720     0.670     7.5    59188   0.055     0.056    -1.8
53632   0.034     0.035    -2.9     57257   0.035     0.036    -2.8    59189   0.300     0.300     0.0

53732   0.450     0.460    -2.2     57401   0.096     0.098    -2.0    59223   0.088     0.077    14.3
53733   0.270     0.260     3.8     57403   0.035     0.036    -2.8    59257   0.013     0.015   -13.3
53907   0.103     0.111    -7.2     57410   0.162     0.130    24.6 U  59378   0.150     0.152    -1.3
54077   0.400     0.370     8.1     57572   0.108     0.094    14.9    59481   0.099     0.088    12.5
55010   1.080     1.100    -1.8     57600   0.034     0.033     3.0    59537   0.210     0.168    25.0 U

55011   1.570     1.260    24.6 U   57611   0.062     0.064    -3.1    59601   2.370     2.310     2.6
55012   1.180     1.170     0.9     57651   0.041     0.043    -4.7    59647   0.170     0.176    -3.4
55013   1.140     0.990    15.2     57690   0.490     0.510    -3.9    59660   1.180     1.140     3.5
55214   0.088     0.089    -1.1     57716   0.082     0.087    -5.7    59701   0.290     0.244    18.9
55371   0.119     0.130    -8.5     57725   0.088     0.091    -3.3    59713   0.310     0.330    -6.1

55597   1.790     1.780     0.6     57726   0.021     0.019    10.5    59722   0.031     0.032    -3.1
55647   0.062     0.056    10.7     57810   0.107     0.109    -1.8    59723   0.037     0.038    -2.6
55715   0.224     0.234    -4.3     57871   0.118     0.116     1.7    59724   0.019     0.022   -13.6
55716   0.520     0.520     0.0     57913   0.290     0.310    -6.5    59725   0.116     0.104    11.5
55802   0.009     0.009     0.0     57998   0.058     0.059    -1.7    59726   0.024     0.024     0.0

55918   2.740     3.190   -14.1     57999   0.071     0.071     0.0    59738   0.064     0.066    -3.0
55919   3.650     3.640     0.3     58095   1.990     1.830     8.7    59750   0.222     0.240    -7.5
56040   0.033     0.040   -17.5     58096   1.230     1.040    18.3    59773   0.028     0.028     0.0
56202   0.089     0.100   -11.0     58301   0.088     0.082     7.3    59774   0.150     0.152    -1.3
56390   0.640     0.630     1.6     58302   0.055     0.055     0.0    59775   0.188     0.189    -0.5
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STATE: 21 - MICHIGAN
SUBLINE: PRODUCTS/COMPLETED OPERATIONS

                              LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
59781	0.068	0.076	-10.5	91341	4.090	3.620	13.0	96409	9.590	10.200	-6.0
59782	0.460	0.490	-6.1	91342	2.740	2.840	-3.5	96410	7.320	7.000	4.6
59798	0.500	0.460	8.7	91343	1.500	1.350	11.1	96611	1.550	1.590	-2.5
59886	0.108	0.112	-3.6	91436	2.520	2.390	5.4	97221	1.020	0.910	12.1
59889	0.165	0.153	7.8	91507	2.940	2.980	-1.3	97222	1.640	1.850	-11.4
59904	0.061	0.066	-7.6	91551	0.640	0.570	12.3	97223	2.310	1.900	21.6
59905	0.132	0.130	1.5	91555	0.780	0.780	0.0	97447	3.780	3.170	19.2
59914	0.680	0.620	9.7	91560	3.390	3.590	-5.6	97650	2.790	2.660	4.9
59915	0.750	0.780	-3.8	91577	2.830	2.460	15.0	97651	3.200	3.140	1.9
59917	0.205	0.165	24.2	91746	4.470	4.020	11.2	97652	4.040	3.860	4.7
59923	0.004	0.005	-20.0	92053	0.420	0.390	7.7	97653	2.950	2.710	8.9
59925	1.190	1.090	9.2	92054	0.160	0.177	-9.6	97654	2.760	2.690	2.6
59926	0.450	0.420	7.1	92055	0.191	0.212	-9.9	97655	4.000	3.710	7.8
59927	1.420	1.560	-9.0	92101	2.970	2.650	12.1	98002	0.650	0.660	-1.5
59931	0.550	0.590	-6.8	92102	2.840	2.340	21.4	98152	0.610	0.470	29.8 U
59932	0.880	0.930	-5.4	92215	1.920	1.940	-1.0	98157	0.420	0.390	7.7
59947	0.320	0.330	-3.0	92338	1.480	1.220	21.3	98163	0.208	0.237	-12.2
59955	0.143	0.147	-2.7	92446	1.680	1.750	-4.0	98164	0.062	0.072	-13.9
59963	0.410	0.450	-8.9	92447	1.620	1.540	5.2	98303	5.450	6.050	-9.9
59964	0.069	0.061	13.1	92451	2.220	2.070	7.2	98304	2.690	2.660	1.1
59970	0.183	0.182	0.5	92478	1.630	1.680	-3.0	98305	1.370	1.170	17.1
59975	0.227	0.243	-6.6	94007	4.180	4.050	3.2	98306	0.620	0.620	0.0
59984	0.053	0.055	-3.6	94276	3.280	3.230	1.5	98307	0.380	0.410	-7.3
59988	0.059	0.060	-1.7	94381	8.860	8.690	2.0	98308	0.740	0.570	29.8 U
59989	0.044	0.045	-2.2	94404	4.460	4.770	-6.5	98309	1.270	1.420	-10.6
91111	4.490	4.510	-0.4	94569	3.310	2.930	13.0	98344	0.680	0.590	15.3
91125	1.880	2.190	-14.2	95124	0.520	0.430	20.9	98449	19.000	17.400	9.2
91127	1.160	1.270	-8.7	95310	0.880	1.100	-20.0 L	98482	5.680	5.410	5.0
91150	4.000	3.700	8.1	95410	2.360	2.430	-2.9	98483	16.000	14.700	8.8
91155	26.800	23.300	15.0	95455	1.260	1.450	-13.1	98502	3.190	3.030	5.3
91235	2.530	2.380	6.3	95505	1.700	1.520	11.8	98636	2.680	2.890	-7.3
91265	2.780	3.260	-14.7	95625	3.080	2.690	14.5	98659	0.350	0.400	-12.5
91266	1.050	0.860	22.1	95647	5.340	4.710	13.4	98677	8.440	8.310	1.6
91280	1.970	1.570	25.5	96053	4.150	3.880	7.0	98678	11.100	10.000	11.0
91340	6.910	7.050	-2.0	96408	13.700	11.400	20.2	98805	0.940	0.850	10.6

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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
98806	3.300	3.070	7.5										
98813	1.350	1.630	-17.2										
98820	2.550	2.540	0.4										
98884	1.220	1.010	20.8										
98914	0.380	0.430	-11.6										
98949	0.245	0.280	-12.5										
98967	8.510	6.550	29.9 U										
98993	3.170	3.790	-16.4										
99003	1.170	1.130	3.5										
99004	1.200	1.210	-0.8										
99080	7.180	7.990	-10.1										
99163	0.460	0.520	-11.5										
99315	1.870	1.480	26.4										
99321	2.250	2.320	-3.0										
99613	2.090	2.080	0.5										
99650	0.960	0.880	9.1										
99746	2.150	2.010	7.0										
99803	7.910	7.090	11.6										
99826	0.400	0.350	14.3										
99827	0.390	0.420	-7.1										
99946	1.840	2.000	-8.0										
99948	21.800	22.400	-2.7										
99952	14.200	14.300	-0.7										
99953	8.670	7.730	12.2										
99954	7.070	7.550	-6.4										
99955	5.740	6.890	-16.7										
99969	1.690	1.580	7.0										

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SECTION B

EXPLANATORY MATERIAL

TABLE OF CONTENTS

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.

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. 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 BASE	The experience used in this review is the latest available simplified data as reported under the ISO Commercial Statistical Plan. The data is aggregated on an accident year basis. The review is conducted on $100,000 basic limit basis - indemnity losses are limited to $100,000 per occurrence. Also, bodily injury and property damage deductible data is included. In addition, fringe losses (Coverage B) are included.

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.

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

INCURRED
LOSSES
& LAE

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

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

- developed to an ultimate settlement basis by the application of loss development factors;

- loaded for unallocated loss adjustment expenses;

- placed on the prospective cost/frequency level by the application of trend factors. Losses are trended to one year beyond the assumed effective date.

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

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

EXPERIENCE
RATIO

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

EXPECTED
EXPERIENCE
RATIO

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

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

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

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.

PRODUCTS(Cont'd)

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

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

LOCAL PRODUCTS/
COMPLETED
OPERATIONS

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

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

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

EXPLANATORY NOTES TO DETERMINATION OF INDICATED
LOSS COST LEVEL CHANGE

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

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

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

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

<u>EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS</u>

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:

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

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

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

TOP_i is the relative change for the ith type of policy;

CG_j is the relative change for the jth class group;

TER_k is the relative change for the kth territory;

W_{ijk} is the aggregate loss costs at current level for the ith

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

r_{ijk} is the relative change for the ith 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;

ITERATIVE
PROCEDURE
(Cont'd)

For Manufacturers and Contractors, and Products:

$$TOP_i = \frac{\sum\limits_{j} W_{ij} r_{ij}}{\sum\limits_{j} W_{ij} CG_j} \qquad \text{where } 1 \le i \le m$$

$$CG_j = \frac{\sum\limits_{i} W_{ij} r_{ij}}{\sum\limits_{i} W_{ij} TOP_i} \qquad \text{where } 1 \le j \le n$$

TOP_i is the relative change for the ith type of policy;

CG_j is the relative change for the jth class group;

W_{ij} is the aggregate loss costs at current level for the ith

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

r_{ij} is the relative change for the ith 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;

ITERATIVE
PROCEDURE
(Cont'd)

For Local Products/Completed Operations:

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

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

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

TOP_i is the relative change for the ith type of policy;

CG_j is the relative change for the jth class group;

ST_k is the relative change for the kth state;

W_{ijk} is the aggregate loss costs at current level for the ith

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

r_{ijk} is the relative change for the ith 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;

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:

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

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:

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

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.

<u>EXPLANATORY NOTES TO</u>

<u>IMPLICIT PACKAGE MODIFICATION FACTORS</u>

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 September 30, 2019. Products/Completed Operations data is evaluated as of March 31, 2019.

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

The immature experience reported as of 15 and 27 months for accident years ending 6/30/2019 and 6/30/2018 must be adjusted to an ultimate exposure development basis. This adjustment is accomplished through the use of an exposure development factor. Exposures are assumed to be mature at 39 months. Exposure development factors are based on experience evaluated as of September 30, 2019 for Premises/ Operations and March 31, 2019 for Products/Completed Operations.

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

<u>EXPLANATION OF EXPOSURE DEVELOPMENT</u>

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.

<u>EXPLANATION OF LOSS DEVELOPMENT</u>

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 September 30, 2019. Products/Completed Operations data is evaluated as of March 31, 2019.

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

The immature experience reported as of 15, 27 and 39 months for accident years ending 6/30/2019, 6/30/2018 and 6/30/2017 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 June 30, 2019 evaluated as of September 30, 2019. If an analogous procedure is used for ALAE, the variability of the experience can lead to unusually high (or low) estimates of ultimate ALAE.

INCREMENTAL ALAE PERCENTAGES

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

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

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

EXPLANATION OF ALLOCATED LOSS ADJUSTMENT EXPENSE (ALAE) DEVELOPMENT

DESCRIPTION OF METHODOLOGY

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

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

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

Ultimate ALAE = (Incurred ALAE at 15 months) +
(sum of incremental ALAE percentages) * (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).

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

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

* Calculated using the Modified Bondy Procedure.

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

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

$V = BTOF2^{(P1)}$ $X = BTOF4^{(P3)}$ Where the powers P1, P2, P3, P4 and P5

$W = BTOF3^{(P2)}$ $Y = BTOF5^{(P4)}$ are defined as follows:

                 $Z = BTOF6^{(P5)}$

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

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

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

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

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

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

UNALLOCATED LOSS ADJUSTMENT FACTOR METHODOLOGY

BACKGROUND

Allocated loss adjustment expense is reported on a unit transaction basis with the loss records and is thus included with indemnity loss data. Since the prospective loss costs include all loss adjustment expenses, we must load for unallocated loss adjustment expense.

IMPORTANCE OF APPLICATION

The unallocated loss adjustment expense factor is necessary to account for loss adjustment expenses which cannot be allocated to a particular claim.

METHODOLOGY FOR LIABILITY COVERAGES

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.

Starting with the 2011 review, experience for CMP Liability has been included with the data used to select the ULAE factor.

For this review the factor is 1.085.

EXPLANATION OF TREND CALCULATION

EXPOSURE
TREND

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

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

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

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

SEVERITY
TREND

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

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

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

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

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

CREDIBILITY STANDARDS

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

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

The rule for Owners, Landlords and Tenants is:

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

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

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

For Manufacturers and Contractors:

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

For Owners, Landlords and Tenants:

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

For Products:

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

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

CREDIBILITY STANDARDS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION C

CALCULATION OF INDICATIONS

TABLE OF CONTENTS

Determination of Indicated Loss Cost Level Change:

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

(1) ACCIDENT YEAR ENDING	(2) AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	(3) $100,000 BASIC LIMIT INCURRED LOSSES (B)	(4) YEAR WEIGHTS	(5) EXPERIENCE RATIO	(6) NUMBER OF INCURRED OCCURRENCES
06/30/2017	$16,588,343	$14,551,065	0.20	0.877	616
06/30/2018	17,179,683	15,364,113	0.30	0.894	664
06/30/2019	17,517,271	18,770,639	0.50	1.072	652

(7)   WEIGHTED EXPERIENCE RATIO 0.980

(8)   EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C).........................   1.034

(9)   CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED
      OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)...............   0.55

(10) CREDIBILITY-WEIGHTED EXPERIENCE RATIO
      {(7) X (9)} + {(8) X {1.0 -(9)}}.................................   1.004

(11) INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
      {(10)-1} X 100%.. + 0.4 %

(12) STATEWIDE INDICATED MONOLINE CHANGE
      (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)............ - 3.4 %

(13) STATEWIDE SELECTED MONOLINE CHANGE................................ - 3.4 %

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

(B)   INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS.
      IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE
      OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 12/01/2020.
      FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C)   THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.034). THE NET TREND IS THE
      ANNUAL NET TREND FACTOR (1.034) TO AN EXPONENT (1.000), THE PERIOD
      FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (12/01/2020) TO ONE
      YEAR BEYOND THE ASSUMED EFFECTIVE DATE (12/01/2021).

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

(1)	(2)	(3) $100,000	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
06/30/2017	$18,443,929	$17,560,721	0.20	0.952	910
06/30/2018	19,441,857	23,069,901	0.30	1.187	944
06/30/2019	19,168,538	22,441,629	0.50	1.171	1,010

(7) WEIGHTED EXPERIENCE RATIO 1.132

(8) EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C)...................... 1.033

(9) CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED
OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS)............... 0.69

(10) CREDIBILITY-WEIGHTED EXPERIENCE RATIO
{(7) X (9)} + {(8) X {1.0 -(9)}}................................. 1.101

(11) INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
{(10)-1} X 100%... + 10.1 %

(12) STATEWIDE INDICATED MONOLINE CHANGE
(SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)........... + 15.7 %

(13) STATEWIDE SELECTED MONOLINE CHANGE................................ + 15.7 %

(14) STATEWIDE ADJUSTED MONOLINE CHANGE@.............................. + 14.7 %

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

(B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS.
IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE
OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 12/01/2020.
FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.033). THE NET TREND IS THE
ANNUAL NET TREND FACTOR (1.033) TO AN EXPONENT (1.000), THE PERIOD
FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (12/01/2020) TO ONE
YEAR BEYOND THE ASSUMED EFFECTIVE DATE (12/01/2021).

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

MICHIGAN
PRODUCTS
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 LIMITS INCURRED LOSSES(B)	(4) YEAR WEIGHTS	(5) EXPERIENCE RATIO	(6) NUMBER OF INCURRED OCCURRENCES
12/31/2016	$101,545,304	$116,523,158	0.20	1.147	1,959
12/31/2017	105,720,327	115,874,882	0.30	1.096	1,826
12/31/2018	107,600,597	104,719,629	0.50	0.973	1,695

(7)   WEIGHTED EXPERIENCE RATIO 1.045

(8)   INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
                {(7)-1.00}X 100% .... + 4.5 %

(9)   INDICATED MULTISTATE MONOLINE CHANGE .... − 0.1 %
      (SEE SECTION D – BASIC LIMIT RELATIVE CHANGE ANALYSIS)

(10) INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C).............. + 0.3 %

(11) SELECTED STATEWIDE MONOLINE CHANGE................................ + 0.3 %

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

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

(C) THE INDICATED STATEWIDE PRODUCTS CHANGE IS CALCULATED BY DETERMINING THE
     EFFECT, ON STATEWIDE LOSS COST LEVELS, OF IMPLEMENTING THE INDICATED MULTISTATE
     LOSS COSTS. THE DIFFERENCE BETWEEN THE INDICATED MULTISTATE CHANGE AND THE
     INDICATED STATEWIDE CHANGE IS A RESULT OF A DIFFERENCE IN THE DISTRIBUTION OF
     RISKS BY CLASS IN THIS JURISDICTION VERSUS THE MULTISTATE.(SEE SECTION A –
     PRODUCTS CLASS GROUP LOSS COST LEVEL CHANGE).

MICHIGAN
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
12/31/2016	$285,063,359	$337,794,306	0.20	1.185	6,228
12/31/2017	297,507,215	323,082,763	0.30	1.086	5,614
12/31/2018	305,260,757	332,169,074	0.50	1.088	5,528

(7)   WEIGHTED EXPERIENCE RATIO..   1.107

(8)   INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE
                        {(7)- 1.00} x 100%.................. + 10.7 %

(9)   INDICATED MULTISTATE MONOLINE CHANGE
      (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)............ + 9.0 %

(10) INDICATED STATEWIDE MONOLINE CHANGE (C)
      (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)............ + 5.1 %

(11) SELECTED STATEWIDE MONOLINE CHANGE............................... + 5.1 %

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

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

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

SECTION D

RELATIVE CHANGE ANALYSIS

TABLE OF CONTENTS

MICHIGAN
MANUFACTURERS AND CONTRACTORS
BASIC LIMIT RELATIVE CHANGE ANALYSIS

TOP	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 1.004 OR + 0.4%
10	0.856	0.208	0.968	0.962	
33	0.588	0.033	0.983	0.977	
34	0.949	0.112	0.994	0.988	
35	0.891	0.018	0.998	0.992	
36	0.908	0.152	0.985	0.979	
37	1.200	0.120	1.022	1.016	
38	1.137	0.287	1.038	1.031	

CLASS GROUP					(5) INDICATED MONOLINE CHANGE
30	0.882	0.117	0.985	0.983	− 5.0%
31	1.158	0.173	1.026	1.023	− 1.2%
32	1.036	0.271	1.010	1.007	− 2.7%
33	0.770	0.105	0.973	0.970	− 6.3%
34	0.985	0.142	0.998	0.995	− 3.8%
35	1.063	0.042	1.003	1.000	− 3.4%
36	0.613	0.086	0.959	0.956	− 7.6%
37	0.650	0.067	0.972	0.969	− 6.4%
38	1.659	0.122	1.064	1.061	+ 2.5%

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                    OVERALL MONOLINE INDICATION -   3.4%
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* Monoline/multiline ALCCL for the latest year was used to weight the indicated monoline change by class group.

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                                        MICHIGAN
                              MANUFACTURERS AND CONTRACTORS
                              BASIC LIMIT RELATIVE CHANGE ANALYSIS
                              -----------------------------------
                           SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


                                       (1)             (2)          (3)       (4)       (5)       (6)
                                  FISCAL A.Y.E.    FISCAL A.Y.E.
                                06/30/2019 AGGREGATE  2015 - 2019   FIVE YEAR
                                  LOSS COSTS AT    AGG LOSS COST   EXPERIENCE           NUMBER OF  BAL CELL
   TYPE OF POLICY          CLASS GROUP   CURRENT LEVEL  CURRENT LEVEL  RATIO   RELATIV. OCCURRENCES RELATIV.

10 MONOLINE           30 SERVICE            $304,900      $1,026,647   0.625    0.631        31     0.946
                      31 LIGHT CONTRACTING   339,568       1,461,159   1.256    1.268       105     0.984
                      32 MEDIUM CONTRCTING  2,652,165      12,383,899   0.915    0.924       478     0.969
                      33 HEAVY CONTRACTING   400,158       1,933,113   0.634    0.640        52     0.934
                      34 DEALER OR DISTRIB   229,622         821,316   0.275    0.278        17     0.958
                      35 LGT. MANUFACTURER   121,137         577,960   0.842    0.850        11     0.962
                      36 MED. MANUFACTURER   476,783       2,366,094   0.191    0.193        19     0.920
                      37 HVY. MANUFACTURER   173,635         729,910   0.666    0.672         9     0.932
                      38 MISC. OPERATION     252,089       1,212,548   1.909    1.928        63     1.021
                         TOTAL *          $4,950,057     $22,512,646   0.839               785

33 MULT OFFICE        31 LIGHT CONTRACTING    $8,704         $58,144   0.255    0.258         2     0.999
                      32 MEDIUM CONTRCTING    26,375         121,639   0.000    0.000         0     0.983
                      33 HEAVY CONTRACTING   119,171         582,168   0.280    0.282         5     0.948
                      38 MISC. OPERATION     316,438       1,461,763   1.091    1.101        13     1.036
                         TOTAL *            $470,688      $2,223,714   0.809                20

34 MULT MERCANTILE    30 SERVICE             $37,193        $177,434   0.087    0.088         3     0.971
                      32 MEDIUM CONTRCTING   135,283         578,106   2.304    2.326        20     0.995
                      34 DEALER OR DISTRIB   894,307       4,476,239   0.783    0.791       174     0.983
                      38 MISC. OPERATION      64,989         301,155   1.176    1.187        31     1.048
                         TOTAL *          $1,131,772      $5,532,934   0.965               228

35 MULT INSTITUT.     31 LIGHT CONTRACTING   $26,400        $129,968   2.988    3.017         4     1.015
                      32 MEDIUM CONTRCTING    57,031         237,734   0.004    0.005         2     0.999
                         TOTAL *             $83,431        $367,702   0.949                 6

36 MULT SERVICES      30 SERVICE             $61,180        $344,963   1.304    1.316        35     0.963
                      31 LIGHT CONTRACTING   157,774       1,140,151   0.270    0.273        26     1.002
                      32 MEDIUM CONTRCTING   149,846         933,287   0.332    0.335        15     0.986
                      33 HEAVY CONTRACTING    60,510         318,581   1.352    1.365         7     0.950
                      34 DEALER OR DISTRIB   668,485       3,283,924   1.286    1.298       170     0.975
                      36 MED. MANUFACTURER    24,280         135,205   0.722    0.729         6     0.937
                      38 MISC. OPERATION     677,939       2,796,793   1.300    1.312       158     1.039
                         TOTAL *          $1,800,014      $8,952,904   1.118               417
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                                 MICHIGAN
                     MANUFACTURERS AND CONTRACTORS
                    BASIC LIMIT RELATIVE CHANGE ANALYSIS
                    -----------------------------------
                 SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


                                        (1)              (2)         (3)      (4)       (5)         (6)
                                    FISCAL A.Y.E.    FISCAL A.Y.E.
                                  06/30/2019 AGGREGATE 2015 - 2019  FIVE YEAR
                                    LOSS COSTS AT   AGG LOSS COST  EXPERIENCE         NUMBER OF    BAL CELL
       TYPE OF POLICY              CLASS GROUP      CURRENT LEVEL   CURRENT LEVEL  RATIO   RELATIV. OCCURRENCES  RELATIV.
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TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 – 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
37 MULT INDUST/PROC.	31 LIGHT CONTRACTING	$619	$3,134	0.270	0.273	0	1.039
	32 MEDIUM CONTRCTING	178,054	912,407	0.365	0.368	34	1.023
	33 HEAVY CONTRACTING	94,929	473,631	1.389	1.402	12	0.986
	34 DEALER OR DISTRIB	23,645	97,733	0.714	0.721	7	1.011
	35 LGT. MANUFACTURER	131,424	817,310	1.319	1.331	22	1.016
	36 MED. MANUFACTURER	803,854	3,866,927	0.919	0.928	111	0.971
	37 HVY. MANUFACTURER	972,755	4,909,488	0.752	0.759	74	0.984
	38 MISC. OPERATION	9,721	58,677	0.016	0.016	1	1.078
	TOTAL *	$2,215,001	$11,139,307	0.838		261	
38 MULT CONTRACTORS	30 SERVICE	$785,802	$3,783,345	1.037	1.047	178	1.013
	31 LIGHT CONTRACTING	1,479,967	6,386,988	1.291	1.304	403	1.055
	32 MEDIUM CONTRCTING	3,549,937	16,641,210	1.176	1.187	778	1.038
	33 HEAVY CONTRACTING	1,024,313	4,718,130	0.811	0.818	124	1.001
	38 MISC. OPERATION	14,041	49,771	2.462	2.485	2	1.094
	TOTAL *	$6,854,060	$31,579,444	1.133		1,485	
TOTAL ALL TOP	30 SERVICE	$1,189,075	$5,332,389	0.915		247	
	31 LIGHT CONTRACTING	2,013,032	9,179,544	1.223		540	
	32 MEDIUM CONTRCTING	6,748,691	31,808,282	1.042		1,327	
	33 HEAVY CONTRACTING	1,699,081	8,025,623	0.783		200	
	34 DEALER OR DISTRIB	1,816,059	8,679,212	0.903		368	
	35 LGT. MANUFACTURER	252,561	1,395,270	1.090		33	
	36 MED. MANUFACTURER	1,304,917	6,368,226	0.649		136	
	37 HVY. MANUFACTURER	1,146,390	5,639,398	0.739		83	
	38 MISC. OPERATION	1,335,217	5,880,707	1.362		268	
	TOTAL *	$17,505,023	$82,308,651	0.991		3,202	

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

TOP	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 1.101 OR + 10.1%
10	1.233	0.257	1.055	1.053	
31	1.261	0.100	1.023	1.021	
32	1.123	0.129	1.015	1.013	
33	1.054	0.199	1.010	1.008	
34	1.021	0.271	1.006	1.003	
35	0.711	0.188	0.938	0.935	
36	0.424	0.148	0.881	0.878	

CLASS GROUP					(5) INDICATED MONOLINE CHANGE
01	0.887	0.149	0.982	0.984	+ 13.5%
02	1.007	0.185	1.001	1.003	+ 15.5%
03	0.886	0.115	0.986	0.988	+ 13.7%
04	5.319	0.025	1.043	1.045	+ 20.4%
05	0.700	0.034	0.988	0.990	+ 14.6%
06	0.629	0.088	0.960	0.962	+ 11.4%
07	2.296	0.148	1.131	1.133	+ 30.8%
08	0.887	0.034	0.996	0.998	+ 15.9%
09	0.707	0.150	0.949	0.951	+ 10.2%
10	1.408	0.183	1.065	1.067	+ 23.3%
11	0.735	0.155	0.953	0.955	+ 10.9%
12	1.006	0.272	1.002	1.004	+ 16.6%
13	2.023	0.071	1.051	1.053	+ 21.7%
16	1.551	0.029	1.013	1.015	+ 15.3%

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                    OVERALL MONOLINE INDICATION +  15.7%
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* Monoline/multiline ALCCL for the latest year was used to weight the indicated monoline change by class group.

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                              MICHIGAN
                  OWNERS, LANDLORDS AND TENANTS
                  BASIC LIMIT RELATIVE CHANGE ANALYSIS
                  -----------------------------------


                (1)          (2)         (3)          (4)          (5)
              BAILEY
              FORMULA     CREDIBILITY   Z-WTD      BALANCED      INDICATED
TERRITORY     RELATIV.        Z        RELATIV.   RELATIV.    MONOLINE CHG.
   501         1.040        0.178       1.007       1.008     +  16.7%
   503         1.032        0.285       1.009       1.010     +  16.6%
   504         1.046        0.221       1.010       1.011     +  17.2%

   505         0.906        0.318       0.969       0.970     +  12.9%
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* Monoline/multiline ALCCL for the latest year was used to weight the indicated monoline change by class group.

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                                         MICHIGAN
                              OWNERS, LANDLORDS AND TENANTS
                             BASIC LIMIT RELATIVE CHANGE ANALYSIS
                             ------------------------------------

                         SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


            TERRITORY     501
                                         (1)            (2)          (3)       (4)        (5)        (6)
                                     FISCAL A.Y.E.  FISCAL A.Y.E.
                                   06/30/2019 AGGREGATE  2015 - 2019  FIVE YEAR
                                     LOSS COSTS AT   AGG LOSS COST  EXPERIENCE            NUMBER OF  BAL CELL
          TYPE OF POLICY           CLASS GROUP  CURRENT LEVEL  CURRENT LEVEL  RATIO    RELATIV.  OCCURRENCES  RELATIV.

10 MONOLINE              01 FOOD&BEV.(RETAIL)        $15,044        $31,050       2.999     2.712          1      1.044
                         02 RESTAURANTS               53,244        217,399       1.153     1.043         16      1.065
                         03 STORES                    15,155         51,701       1.870     1.691          5      1.048
                         04 VENDING & RENTAL             396          3,465       0.000     0.000          0      1.109
                         05 FOOD & BEV. DIST.          7,036         40,519       0.000     0.000          0      1.050
                         06 NON-FOOD&BEV.DIST          2,530         19,780       3.533     3.194         13      1.021
                         07 CLUBS,AMSMT&SPRTS         22,659         83,764       4.963     4.488         17      1.202
                         08 HEALTH CARE FACIL          2,533         15,116       0.027     0.025          0      1.059
                         09 HOTELS AND MOTELS         50,733        194,397       1.679     1.518         30      1.009
                         10 SCHLS & CHURCHES          57,345        327,920       0.740     0.669         10      1.132
                         11 APARTMENTS               390,595      1,199,705       1.211     1.095         32      1.014
                         12 BUILDINGS&OFFICES        353,291      2,006,484       0.554     0.501         40      1.065
                         13 MISC. PREMISES            29,026        158,654       0.122     0.110          2      1.118
                         16 GOVT SUBDIVISIONS          1,421          1,421       0.000     0.000          0      1.077
                            TOTAL *                $1,001,008     $4,351,375      1.055                   166

31 MULT MOTEL/HOTEL      09 HOTELS AND MOTELS       $139,027       $469,050       0.933     0.843         30      0.979
                            TOTAL *                 $139,027       $469,050       0.933                    30

32 MULT APARTMENT        11 APARTMENTS              $325,633     $1,106,330       0.726     0.656         22      0.975
                         12 BUILDINGS&OFFICES        47,171        124,743       0.075     0.068          2      1.024
                            TOTAL *                 $372,804     $1,231,073       0.643                    24

33 MULT OFFICE           12 BUILDINGS&OFFICES       $632,327     $3,101,386       1.342     1.214         73      1.020
                         13 MISC. PREMISES            8,493         54,887       0.000     0.000          0      1.070
                            TOTAL *                 $640,820     $3,156,273       1.325                    73

34 MULT MERCANTILE       01 FOOD&BEV.(RETAIL)       $212,246       $917,561       0.968     0.875         30      0.995
                         02 RESTAURANTS             226,002      1,186,110       2.576     2.330         91      1.014
                         03 STORES                   51,757        291,624       0.673     0.608          6      0.999
                         04 VENDING & RENTAL            398          2,269       0.000     0.000          0      1.056
                         05 FOOD & BEV. DIST.        44,127        206,625       0.313     0.283          5      1.001
                         06 NON-FOOD&BEV.DIST        49,294        258,019       1.397     1.263          5      0.973
                         12 BUILDINGS&OFFICES        87,046        524,651       1.172     1.060         16      1.015
                            TOTAL *                 $670,870     $3,386,859      1.501                   153
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                                    MICHIGAN
                          OWNERS, LANDLORDS AND TENANTS
                          BASIC LIMIT RELATIVE CHANGE ANALYSIS
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                          SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


          TERRITORY     501
                                          (1)            (2)          (3)       (4)       (5)       (6)
                                      FISCAL A.Y.E.  FISCAL A.Y.E.
                                      06/30/2019 AGGREGATE  2015 - 2019  FIVE YEAR
                                      LOSS COSTS AT  AGG LOSS COST  EXPERIENCE           NUMBER OF   BAL CELL
       TYPE OF POLICY              CLASS GROUP      CURRENT LEVEL  CURRENT LEVEL   RATIO    RELATIV. OCCURRENCES RELATIV.

35 MULT INSTITUT.          08 HEALTH CARE FACIL        $69,773       $306,194     1.314    1.188        5       0.941
                           10 SCHLS & CHURCHES         239,865     1,301,836      1.111    1.005       68       1.006
                           12 BUILDINGS&OFFICES          17,177        40,909     0.000    0.000        0       0.946
                           16 GOVT SUBDIVISIONS           4,692        52,872     1.576    1.425        7       0.957
                                 TOTAL *               $331,507     $1,701,811    1.103                80

36 MULT SERVICES           03 STORES                    $5,800        $26,588     0.271    0.245        2       0.875
                           04 VENDING & RENTAL           2,708        10,751      0.000    0.000        0       0.925
                           07 CLUBS,AMSMT&SPRTS          76,110       380,510     0.527    0.477       13       1.003
                           08 HEALTH CARE FACIL              5            11      0.000    0.000        0       0.884
                           09 HOTELS AND MOTELS             62          1,485     0.000    0.000        0       0.842
                           10 SCHLS & CHURCHES           1,502          6,072     0.000    0.000        0       0.945
                           12 BUILDINGS&OFFICES          69,540       398,344     1.842    1.666       23       0.889
                           13 MISC. PREMISES             31,678       142,928     2.542    2.298        9       0.933
                                 TOTAL *               $187,405      $966,689     1.336                47

TOTAL ALL     TOP          01 FOOD&BEV.(RETAIL)        $227,290      $948,611     1.102               31
                           02 RESTAURANTS              279,246     1,403,509     2.305              107
                           03 STORES                    72,712       369,913     0.890               13
                           04 VENDING & RENTAL           3,502        16,485     0.000                0
                           05 FOOD & BEV. DIST.         51,163       247,144     0.270                5
                           06 NON-FOOD&BEV.DIST          51,824       277,799     1.501               18
                           07 CLUBS,AMSMT&SPRTS          98,769       464,274     1.545               30
                           08 HEALTH CARE FACIL          72,311       321,321     1.268                5
                           09 HOTELS AND MOTELS         189,822       664,932     1.132               60
                           10 SCHLS & CHURCHES          298,712     1,635,828     1.034               78
                           11 APARTMENTS                716,228     2,306,035     0.990               54
                           12 BUILDINGS&OFFICES       1,206,552     6,196,517     1.059              154
                           13 MISC. PREMISES            69,197       356,469     1.215               11
                           16 GOVT SUBDIVISIONS          6,113        54,293     1.209                7
                                 TOTAL *             $3,343,441   $15,263,130     1.166              573




   * TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.
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                              MICHIGAN
                    OWNERS, LANDLORDS AND TENANTS
                  BASIC LIMIT RELATIVE CHANGE ANALYSIS
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                  SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


          TERRITORY    503
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		(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 FOOD&BEV.(RETAIL)	$27,249	$89,559	0.102	0.092	3	1.047
	02 RESTAURANTS	83,146	347,037	2.334	2.111	54	1.067
	03 STORES	87,205	474,105	1.534	1.387	28	1.051
	04 VENDING & RENTAL	1,871	11,011	0.000	0.000	0	1.111
	05 FOOD & BEV. DIST.	38,738	129,335	0.000	0.000	0	1.053
	06 NON-FOOD&BEV.DIST	170,025	734,619	0.217	0.196	9	1.023
	07 CLUBS,AMSMT&SPRTS	121,473	661,211	5.414	4.895	78	1.205
	08 HEALTH CARE FACIL	13,978	96,067	0.357	0.323	0	1.061
	09 HOTELS AND MOTELS	240,996	1,154,063	0.837	0.757	91	1.011
	10 SCHLS & CHURCHES	47,036	271,023	0.347	0.314	11	1.134
	11 APARTMENTS	722,476	3,564,892	0.786	0.710	50	1.016
	12 BUILDINGS&OFFICES	563,568	2,841,778	1.972	1.784	168	1.067
	13 MISC. PREMISES	9,626	48,172	0.032	0.029	3	1.120
	TOTAL *	$2,127,387	$10,422,872	1.376		495	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	$233,387	$1,142,275	1.188	1.074	39	0.981
	TOTAL *	$233,387	$1,142,275	1.188		39	
32 MULT APARTMENT	11 APARTMENTS	$1,015,226	$3,342,194	0.912	0.825	104	0.977
	12 BUILDINGS&OFFICES	190,288	380,910	1.102	0.997	9	1.026
	TOTAL *	$1,205,514	$3,723,104	0.942		113	
33 MULT OFFICE	12 BUILDINGS&OFFICES	$1,182,831	$5,750,147	1.163	1.052	242	1.022
	13 MISC. PREMISES	7,024	31,202	0.000	0.000	0	1.072
	TOTAL *	$1,189,855	$5,781,349	1.156		242	
34 MULT MERCANTILE	01 FOOD&BEV.(RETAIL)	$357,301	$1,570,109	1.322	1.195	102	0.997
	02 RESTAURANTS	758,322	3,236,790	1.347	1.218	151	1.017
	03 STORES	210,314	1,083,623	1.254	1.134	35	1.001
	04 VENDING & RENTAL	3,149	11,692	0.000	0.000	0	1.059
	05 FOOD & BEV. DIST.	28,930	142,993	0.077	0.070	1	1.003
	06 NON-FOOD&BEV.DIST	363,548	1,604,143	0.484	0.438	26	0.975
	12 BUILDINGS&OFFICES	231,140	1,243,547	0.979	0.885	49	1.017
	TOTAL *	$1,952,704	$8,892,897	1.107		364	

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                              MICHIGAN
                    OWNERS, LANDLORDS AND TENANTS
                 BASIC LIMIT RELATIVE CHANGE ANALYSIS
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               SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


        TERRITORY      503
                                         (1)              (2)         (3)        (4)        (5)        (6)
                                     FISCAL A.Y.E.    FISCAL A.Y.E.
                                   06/30/2019 AGGREGATE  2015 - 2019  FIVE YEAR
                                     LOSS COSTS AT    AGG LOSS COST  EXPERIENCE          NUMBER OF  BAL CELL
        TYPE OF POLICY             CLASS GROUP        CURRENT LEVEL  CURRENT LEVEL  RATIO    RELATIV. OCCURRENCES RELATIV.

35 MULT INSTITUT.      07 CLUBS,AMSMT&SPRTS               $42            $213       0.000    0.000         0      1.071
                       08 HEALTH CARE FACIL             63,209         290,689      0.510    0.461         2      0.943
                       10 SCHLS & CHURCHES             197,568         907,412      1.234    1.116        95      1.008
                       12 BUILDINGS&OFFICES              2,319          13,036      0.000    0.000         0      0.948
                       13 MISC. PREMISES                   309             549      0.000    0.000         0      0.995
                       16 GOVT SUBDIVISIONS             8,585          30,258      0.000    0.000         0      0.959
                          TOTAL *                    $272,032      $1,242,157      1.015                  97

36 MULT SERVICES       03 STORES                      $27,305        $134,423      0.263    0.238         6      0.877
                       04 VENDING & RENTAL             7,484          46,915      0.803    0.726         3      0.927
                       07 CLUBS,AMSMT&SPRTS           401,353       1,732,359      0.504    0.456        45      1.005
                       08 HEALTH CARE FACIL            2,381           7,624      0.000    0.000         0      0.885
                       09 HOTELS AND MOTELS            3,193         145,727      0.744    0.673         4      0.844
                       10 SCHLS & CHURCHES             1,956          10,759      0.108    0.098         1      0.947
                       12 BUILDINGS&OFFICES           86,791         409,599      0.447    0.404        23      0.890
                       13 MISC. PREMISES              84,024         281,155      2.424    2.192        36      0.935
                          TOTAL *                    $614,487      $2,768,561      0.749                 118

TOTAL ALL    TOP       01 FOOD&BEV.(RETAIL)          $384,550      $1,659,668      1.235                 105
                       02 RESTAURANTS                841,468       3,583,827      1.445                 205
                       03 STORES                     324,824       1,692,151      1.246                  69
                       04 VENDING & RENTAL            12,504          69,618      0.480                   3
                       05 FOOD & BEV. DIST.           67,668         272,328      0.033                   1
                       06 NON-FOOD&BEV.DIST          533,573       2,338,762      0.399                  35
                       07 CLUBS,AMSMT&SPRTS          522,868       2,393,783      1.644                 123
                       08 HEALTH CARE FACIL           79,568         394,380      0.468                   2
                       09 HOTELS AND MOTELS          477,576       2,442,065      1.008                 134
                       10 SCHLS & CHURCHES           246,560       1,189,194      1.056                 107
                       11 APARTMENTS               1,737,702       6,907,086      0.859                 154
                       12 BUILDINGS&OFFICES        2,256,937      10,639,017      1.312                 491
                       13 MISC. PREMISES             100,983         361,078      2.020                  39
                       16 GOVT SUBDIVISIONS           8,585          30,258      0.000                   0
                          TOTAL *                  $7,595,366     $33,973,215      1.134               1,468




    * TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.
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                                          MICHIGAN
                             OWNERS, LANDLORDS AND TENANTS
                             BASIC LIMIT RELATIVE CHANGE ANALYSIS
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                             SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


        TERRITORY      504
                                            (1)            (2)           (3)       (4)        (5)         (6)
                                        FISCAL A.Y.E.  FISCAL A.Y.E.
                                        06/30/2019 AGGREGATE  2015 - 2019  FIVE YEAR
                                        LOSS COSTS AT  AGG LOSS COST  EXPERIENCE           NUMBER OF   BAL CELL
        TYPE OF POLICY          CLASS GROUP        CURRENT LEVEL  CURRENT LEVEL   RATIO    RELATIV.   OCCURRENCES  RELATIV.

10 MONOLINE              01 FOOD&BEV.(RETAIL)      $12,480        $41,630       0.496      0.448          3        1.047
                         02 RESTAURANTS            24,423        202,206       2.051      1.855         33        1.068
                         03 STORES                 19,144        185,378       1.151      1.041         10        1.052
                         04 VENDING & RENTAL          355          7,498       0.000      0.000          0        1.112
                         05 FOOD & BEV. DIST.          1           4,613       0.000      0.000          0        1.053
                         06 NON-FOOD&BEV.DIST       13,865         57,871       0.312      0.282          2        1.024
                         07 CLUBS,AMSMT&SPRTS       29,522        179,580       6.944      6.279         28        1.206
                         08 HEALTH CARE FACIL          707          7,680       7.686      6.950          1        1.062
                         09 HOTELS AND MOTELS       80,218        367,420       0.969      0.876         66        1.012
                         10 SCHLS & CHURCHES        19,428        297,519       0.614      0.555          7        1.135
                         11 APARTMENTS             300,075      1,277,246       1.211      1.095         41        1.017
                         12 BUILDINGS&OFFICES      224,709      1,173,595       0.815      0.737         59        1.068
                         13 MISC. PREMISES           2,681         26,533       1.545      1.397          4        1.121
                            TOTAL *               $727,608     $3,828,769       1.283                   254

31 MULT MOTEL/HOTEL      09 HOTELS AND MOTELS      $80,907       $490,126       0.608      0.549         29        0.982
                            TOTAL *                $80,907       $490,126       0.608                    29

32 MULT APARTMENT        11 APARTMENTS            $374,288     $1,655,500       1.198      1.083         60        0.978
                         12 BUILDINGS&OFFICES       39,149        115,019       3.051      2.759          8        1.027
                            TOTAL *               $413,437     $1,770,519       1.373                    68

33 MULT OFFICE           12 BUILDINGS&OFFICES     $488,882     $2,402,721       0.993      0.898        114        1.023
                         13 MISC. PREMISES           4,004         18,866       0.591      0.534          2        1.073
                            TOTAL *               $492,886     $2,421,587       0.989                   116

34 MULT MERCANTILE       01 FOOD&BEV.(RETAIL)     $138,049       $661,884       0.467      0.422         48        0.998
                         02 RESTAURANTS           256,979      1,188,373       1.333      1.206         74        1.017
                         03 STORES                 65,669        347,127       1.036      0.937         31        1.002
                         04 VENDING & RENTAL          823          4,545     184.615    166.938          1        1.059
                         05 FOOD & BEV. DIST.       25,349        142,609       3.416      3.089          8        1.004
                         06 NON-FOOD&BEV.DIST       66,605        348,264       1.768      1.598         17        0.975
                         12 BUILDINGS&OFFICES      102,384        583,511       0.721      0.652         49        1.018
                            TOTAL *               $655,858     $3,276,313       1.380                   228
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                                               MICHIGAN
                                   OWNERS, LANDLORDS AND TENANTS
                                  BASIC LIMIT RELATIVE CHANGE ANALYSIS
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                           SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


        TERRITORY     504
                                              (1)            (2)         (3)      (4)       (5)        (6)
                                          FISCAL A.Y.E.  FISCAL A.Y.E.
                                          06/30/2019 AGGREGATE  2015 - 2019  FIVE YEAR
                                          LOSS COSTS AT  AGG LOSS COST  EXPERIENCE           NUMBER OF  BAL CELL
        TYPE OF POLICY      CLASS GROUP   CURRENT LEVEL  CURRENT LEVEL    RATIO    RELATIV.  OCCURRENCES RELATIV.
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TYPE OF POLICY	CLASS GROUP	(1) AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) AGG LOSS COST CURRENT LEVEL	(3) EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	$2,689	$9,647	0.000	0.000	0	1.072
	08 HEALTH CARE FACIL	41,773	195,372	0.270	0.244	6	0.944
	10 SCHLS & CHURCHES	160,367	843,213	0.899	0.813	98	1.009
	12 BUILDINGS&OFFICES	669	3,367	1.354	1.224	1	0.949
	13 MISC. PREMISES	3,690	18,406	0.000	0.000	0	0.996
	16 GOVT SUBDIVISIONS	433	336,183	0.000	0.000	0	0.960
	TOTAL *	$209,621	$1,406,188	0.746		105	
36 MULT SERVICES	03 STORES	$25,205	$98,345	0.889	0.804	7	0.877
	04 VENDING & RENTAL	10,956	48,374	0.029	0.026	2	0.928
	07 CLUBS,AMSMT&SPRTS	161,195	802,630	0.316	0.286	42	1.006
	08 HEALTH CARE FACIL	143	1,324	0.000	0.000	0	0.886
	09 HOTELS AND MOTELS	4,058	47,465	3.271	2.958	1	0.845
	10 SCHLS & CHURCHES	342	1,130	1.477	1.336	0	0.947
	12 BUILDINGS&OFFICES	29,801	168,937	1.604	1.450	19	0.891
	13 MISC. PREMISES	26,699	108,395	0.979	0.885	10	0.935
	TOTAL *	$258,399	$1,276,600	0.624		81	
TOTAL ALL TOP	01 FOOD&BEV.(RETAIL)	$150,529	$703,514	0.470		51	
	02 RESTAURANTS	281,402	1,390,579	1.396		107	
	03 STORES	110,018	630,850	1.022		48	
	04 VENDING & RENTAL	12,134	60,417	12.547		3	
	05 FOOD & BEV. DIST.	25,350	147,222	3.416		8	
	06 NON-FOOD&BEV.DIST	80,470	406,135	1.517		19	
	07 CLUBS,AMSMT&SPRTS	193,406	991,857	1.323		70	
	08 HEALTH CARE FACIL	42,623	204,376	0.392		7	
	09 HOTELS AND MOTELS	165,183	905,011	0.848		96	
	10 SCHLS & CHURCHES	180,137	1,141,862	0.869		105	
	11 APARTMENTS	674,363	2,932,746	1.204		101	
	12 BUILDINGS&OFFICES	885,594	4,447,150	1.028		250	
	13 MISC. PREMISES	37,074	172,200	0.881		16	
	16 GOVT SUBDIVISIONS	433	336,183	0.000		0	
	TOTAL *	$2,838,716	$14,470,102	1.149		881	

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

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                                              MICHIGAN
                                   OWNERS, LANDLORDS AND TENANTS
                                   BASIC LIMIT RELATIVE CHANGE ANALYSIS
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                               SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


          TERRITORY        505
                                              (1)             (2)           (3)       (4)        (5)        (6)
                                          FISCAL A.Y.E.   FISCAL A.Y.E.
                                       06/30/2019 AGGREGATE  2015 - 2019   FIVE YEAR
                                          LOSS COSTS AT    AGG LOSS COST  EXPERIENCE           NUMBER OF    BAL CELL
          TYPE OF POLICY               CLASS GROUP           CURRENT LEVEL   CURRENT LEVEL    RATIO    RELATIV.  OCCURRENCES   RELATIV.
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TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV.(RETAIL)	$18,561	$116,395	4.287	3.876	13	1.005
	02 RESTAURANTS	26,566	197,142	1.314	1.188	13	1.025
	03 STORES	45,281	390,410	0.059	0.053	14	1.009
	04 VENDING & RENTAL	1,482	14,604	0.000	0.000	0	1.067
	05 FOOD & BEV. DIST.	3,793	34,280	13.820	12.497	2	1.011
	06 NON-FOOD&BEV.DIST	34,224	163,176	0.267	0.242	6	0.982
	07 CLUBS,AMSMT&SPRTS	62,071	366,244	3.650	3.301	62	1.157
	08 HEALTH CARE FACIL	2,333	20,213	0.000	0.000	0	1.019
	09 HOTELS AND MOTELS	61,621	431,607	0.768	0.694	32	0.971
	10 SCHLS & CHURCHES	30,007	142,899	3.348	3.027	8	1.089
	11 APARTMENTS	398,438	1,829,272	1.329	1.202	50	0.976
	12 BUILDINGS&OFFICES	242,940	1,291,158	0.891	0.806	75	1.025
	13 MISC. PREMISES	18,647	82,840	1.057	0.956	4	1.076
	16 GOVT SUBDIVISIONS	344	958	0.000	0.000	0	1.036
	TOTAL *	$946,308	$5,081,198	1.393		279	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	$193,060	$1,090,273	0.931	0.841	82	0.942
	TOTAL *	$193,060	$1,090,273	0.931		82	
32 MULT APARTMENT	11 APARTMENTS	$446,887	$2,273,536	0.627	0.567	76	0.938
	12 BUILDINGS&OFFICES	71,156	197,948	2.927	2.646	19	0.986
	TOTAL *	$518,043	$2,471,484	0.943		95	
33 MULT OFFICE	12 BUILDINGS&OFFICES	$607,111	$3,215,526	1.316	1.190	281	0.981
	13 MISC. PREMISES	9,778	40,824	0.346	0.313	3	1.030
	TOTAL *	$616,889	$3,256,350	1.301		284	
34 MULT MERCANTILE	01 FOOD&BEV.(RETAIL)	$434,798	$2,340,039	0.789	0.714	202	0.958
	02 RESTAURANTS	967,361	4,440,007	0.449	0.406	188	0.976
	03 STORES	295,945	1,275,978	0.696	0.629	74	0.961
	04 VENDING & RENTAL	6,694	24,583	0.000	0.000	0	1.017
	05 FOOD & BEV. DIST.	49,718	239,578	0.198	0.179	5	0.963
	06 NON-FOOD&BEV.DIST	228,380	1,109,947	1.177	1.065	64	0.936
	12 BUILDINGS&OFFICES	165,923	846,178	1.245	1.126	48	0.977
	13 MISC. PREMISES	506	1,747	0.000	0.000	0	1.025
	TOTAL *	$2,149,325	$10,278,057	0.683		581	

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                                        MICHIGAN
                             OWNERS, LANDLORDS AND TENANTS
                            BASIC LIMIT RELATIVE CHANGE ANALYSIS
                            -----------------------------------
                       SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


        TERRITORY      505
                                         (1)           (2)         (3)      (4)       (5)         (6)
                                     FISCAL A.Y.E.  FISCAL A.Y.E.
                                     06/30/2019 AGGREGATE  2015 - 2019  FIVE YEAR
                                      LOSS COSTS AT   AGG LOSS COST  EXPERIENCE            NUMBER OF   BAL CELL
        TYPE OF POLICY                CLASS GROUP    CURRENT LEVEL  CURRENT LEVEL   RATIO   RELATIV.  OCCURRENCES  RELATIV.

35 MULT INSTITUT.        07 CLUBS,AMSMT&SPRTS         $99,149       $397,230      0.326    0.295        23       1.028
                         08 HEALTH CARE FACIL          48,363        237,072      0.758    0.685         8       0.906
                         10 SCHLS & CHURCHES          322,185      1,602,190      1.516    1.371       308       0.968
                         12 BUILDINGS&OFFICES           5,340         26,902      2.485    2.247         8       0.911
                         13 MISC. PREMISES              1,947          7,134      0.000    0.000         0       0.956
                         16 GOVT SUBDIVISIONS          45,976        226,438      1.402    1.268         9       0.921
                            TOTAL *                  $522,960     $2,496,966      1.214               356

36 MULT SERVICES         03 STORES                    $33,159       $145,030      1.705    1.542        21       0.842
                         04 VENDING & RENTAL           10,753         56,756      1.287    1.163         6       0.890
                         07 CLUBS,AMSMT&SPRTS         270,424      1,343,490      1.310    1.185        91       0.966
                         08 HEALTH CARE FACIL             196            604      0.000    0.000         0       0.850
                         09 HOTELS AND MOTELS          20,170        120,992      0.328    0.296         3       0.811
                         10 SCHLS & CHURCHES            3,675         30,006      0.000    0.000         0       0.909
                         12 BUILDINGS&OFFICES          48,219        235,855      0.295    0.267        11       0.855
                         13 MISC. PREMISES             69,352        263,032      1.438    1.300        20       0.898
                            TOTAL *                  $455,948     $2,195,765      1.196               152

TOTAL ALL    TOP         01 FOOD&BEV.(RETAIL)        $453,359     $2,456,434      0.932               215
                         02 RESTAURANTS              993,927      4,637,149      0.472               201
                         03 STORES                   374,385      1,811,418      0.708               109
                         04 VENDING & RENTAL          18,929         95,943      0.731                 6
                         05 FOOD & BEV. DIST.         53,511        273,858      1.163                 7
                         06 NON-FOOD&BEV.DIST        262,604      1,273,123      1.059                70
                         07 CLUBS,AMSMT&SPRTS        431,644      2,106,964      1.421               176
                         08 HEALTH CARE FACIL         50,892        257,889      0.720                 8
                         09 HOTELS AND MOTELS        274,851      1,642,872      0.850               117
                         10 SCHLS & CHURCHES         355,867      1,775,095      1.655               316
                         11 APARTMENTS               845,325      4,102,808      0.958               126
                         12 BUILDINGS&OFFICES      1,140,689      5,813,567      1.278               442
                         13 MISC. PREMISES           100,230        395,577      1.225                27
                         16 GOVT SUBDIVISIONS         46,320        227,396      1.392                 9
                            TOTAL *                $5,402,533    $26,870,093      1.007             1,829




     * TOTALS IN COLUMN (3) ARE AVERAGES USING COLUMN (1) AS WEIGHTS.
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                                            MICHIGAN
                                 OWNERS, LANDLORDS AND TENANTS
                              BASIC LIMIT RELATIVE CHANGE ANALYSIS
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                           SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS
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TERRITORY   ALL

TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 FOOD&BEV.(RETAIL)	$73,334	$278,634	1.822		20	
	02 RESTAURANTS	187,379	963,784	1.817		116	
	03 STORES	166,785	1,101,594	1.120		57	
	04 VENDING & RENTAL	4,104	36,578	0.000		0	
	05 FOOD & BEV. DIST.	49,568	208,747	1.058		2	
	06 NON-FOOD&BEV.DIST	220,644	975,446	0.269		30	
	07 CLUBS,AMSMT&SPRTS	235,725	1,290,799	5.098		185	
	08 HEALTH CARE FACIL	19,551	139,076	0.537		1	
	09 HOTELS AND MOTELS	433,568	2,147,487	0.950		219	
	10 SCHLS & CHURCHES	153,816	1,039,361	1.113		36	
	11 APARTMENTS	1,811,584	7,871,115	1.067		173	
	12 BUILDINGS&OFFICES	1,384,508	7,313,015	1.233		342	
	13 MISC. PREMISES	59,980	316,199	0.462		13	
	16 GOVT SUBDIVISIONS	1,765	2,379	0.000		0	
	TOTAL *	$4,802,311	$23,684,214	1.299		1,194	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	$646,381	$3,191,724	0.984		180	
	TOTAL *	$646,381	$3,191,724	0.984		180	
32 MULT APARTMENT	11 APARTMENTS	$2,162,034	$8,377,560	0.875		262	
	12 BUILDINGS&OFFICES	347,764	818,620	1.556		38	
	TOTAL *	$2,509,798	$9,196,180	0.969		300	
33 MULT OFFICE	12 BUILDINGS&OFFICES	$2,911,151	$14,469,780	1.205		710	
	13 MISC. PREMISES	29,299	145,779	0.196		5	
	TOTAL *	$2,940,450	$14,615,559	1.195		715	
34 MULT MERCANTILE	01 FOOD&BEV.(RETAIL)	$1,142,394	$5,489,593	0.950		382	
	02 RESTAURANTS	2,208,664	10,051,280	1.078		504	
	03 STORES	623,685	2,998,352	0.918		146	
	04 VENDING & RENTAL	11,064	43,089	13.733		1	
	05 FOOD & BEV. DIST.	148,124	731,805	0.759		19	
	06 NON-FOOD&BEV.DIST	707,827	3,320,373	0.892		112	
	12 BUILDINGS&OFFICES	586,493	3,197,887	1.038		162	
	13 MISC. PREMISES	506	1,747	0.000		0	
	TOTAL *	$5,428,757	$25,834,126	1.021		1,326	

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                               MICHIGAN
                     OWNERS, LANDLORDS AND TENANTS
                    BASIC LIMIT RELATIVE CHANGE ANALYSIS
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                 SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS


          TERRITORY     ALL
                                       (1)           (2)         (3)       (4)       (5)       (6)
                                   FISCAL A.Y.E.  FISCAL A.Y.E.
                                 06/30/2019 AGGREGATE  2015 - 2019  FIVE YEAR
                                   LOSS COSTS AT    AGG LOSS COST  EXPERIENCE           NUMBER OF   BAL CELL
        TYPE OF POLICY              CLASS GROUP    CURRENT LEVEL   CURRENT LEVEL  RATIO   RELATIV.  OCCURRENCES  RELATIV.
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TYPE OF POLICY	CLASS GROUP	(1) FISCAL A.Y.E. 06/30/2019 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) FISCAL A.Y.E. 2015 - 2019 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
35 MULT INSTITUT.	07 CLUBS,AMSMT&SPRTS	$101,880	$407,090	0.318		23	
	08 HEALTH CARE FACIL	223,118	1,029,327	0.770		21	
	10 SCHLS & CHURCHES	919,985	4,654,651	1.242		569	
	12 BUILDINGS&OFFICES	25,505	84,214	0.556		9	
	13 MISC. PREMISES	5,946	26,089	0.000		0	
	16 GOVT SUBDIVISIONS	59,686	645,751	1.204		16	
	TOTAL *	$1,336,120	$6,847,122	1.073		638	
36 MULT SERVICES	03 STORES	$91,469	$404,386	0.959		36	
	04 VENDING & RENTAL	31,901	162,796	0.632		11	
	07 CLUBS,AMSMT&SPRTS	909,082	4,258,989	0.712		191	
	08 HEALTH CARE FACIL	2,725	9,563	0.000		0	
	09 HOTELS AND MOTELS	27,483	315,669	0.810		8	
	10 SCHLS & CHURCHES	7,475	47,967	0.096		1	
	12 BUILDINGS&OFFICES	234,351	1,212,735	0.977		76	
	13 MISC. PREMISES	211,753	795,510	1.936		75	
	TOTAL *	$1,516,239	$7,207,615	0.935		398	
TOTAL ALL TOP	01 FOOD&BEV.(RETAIL)	$1,215,728	$5,768,227	1.003		402	
	02 RESTAURANTS	2,396,043	11,015,064	1.136		620	
	03 STORES	881,939	4,504,332	0.960		239	
	04 VENDING & RENTAL	47,069	242,463	3.656		12	
	05 FOOD & BEV. DIST.	197,692	940,552	0.834		21	
	06 NON-FOOD&BEV.DIST	928,471	4,295,819	0.744		142	
	07 CLUBS,AMSMT&SPRTS	1,246,687	5,956,878	1.509		399	
	08 HEALTH CARE FACIL	245,394	1,177,966	0.743		22	
	09 HOTELS AND MOTELS	1,107,432	5,654,880	0.966		407	
	10 SCHLS & CHURCHES	1,081,276	5,741,979	1.216		606	
	11 APARTMENTS	3,973,618	16,248,675	0.962		435	
	12 BUILDINGS&OFFICES	5,489,772	27,096,251	1.204		1,337	
	13 MISC. PREMISES	307,484	1,285,324	1.442		93	
	16 GOVT SUBDIVISIONS	61,451	648,130	1.170		16	
	TOTAL *	$19,180,056	$90,576,540	1.106		4,751	

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

	(1) BAILEY FORMULA	(2) CREDIBILITY	(3) Z-WTD	(4) BALANCED	MULTISTATE COVERAGE
TOP	RELATIV.	Z	RELATIV.	RELATIV.	IND. OF 1.045 OR + 4.5%
10	0.881	0.317	0.961	0.956	
34	0.979	0.343	0.993	0.987	
36	1.029	0.185	1.005	1.000	
37	1.086	0.477	1.040	1.035	

CLASS GROUP	BAILEY FORMULA RELATIV. (1)	CREDIBILITY Z (2)	Z-WTD RELATIV. (3)	BALANCED RELATIV. (4)	(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE
3	0.867	0.446	0.938	0.942	– 5.9%	– 1.5%	– 1.5%
4	1.109	0.383	1.040	1.044	+ 4.3%	+ 7.1%	+ 7.1%
5	1.079	0.130	1.010	1.014	+ 1.2%	– 1.9%	– 1.9%
6	0.977	0.310	0.993	0.996	– 0.5%	– 4.8%	– 4.8%
7	0.998	0.143	1.000	1.003	+ 0.2%	– 0.8%	– 0.8%
OVERALL MONOLINE INDICATION					– 0.1%	+ 0.3%	+ 0.3%

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

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

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

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

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                              MICHIGAN
                  LOCAL PRODUCTS/COMPLETED OPERATIONS
                  BASIC LIMIT RELATIVE CHANGE ANALYSIS
                  --------------------------------------------


             (1)           (2)          (3)          (4)
           BAILEY                                              MULTISTATE
           FORMULA      CREDIBILITY    Z-WTD      BALANCED       COVERAGE
  TOP      RELATIV.         Z         RELATIV.    RELATIV.     IND. OF 1.107
                                                              OR  +  10.7%
   10       0.982         0.722        0.987        0.985


   34       0.956         0.510        0.977        0.975
   36       0.955         0.521        0.976        0.974
   37       1.094         0.137        1.012        1.010
   38       1.018         0.965        1.017        1.015


                                                        (5)          (6)          (7)
                                                     INDICATED    INDICATED    SELECTED
                                                     MULTISTATE   STATEWIDE    STATEWIDE
                                                     MONOLINE     MONOLINE     MONOLINE
  CLASS                                              CHANGE       CHANGE#*     CHANGE
  GROUP
    1       0.924         0.511        0.960        0.958    +    4.8%    +    0.6%    +    0.6%
    2       1.075         0.497        1.037        1.033    +   12.7%    +    7.3%    +    7.2%
   11       1.085         0.347        1.029        1.025    +   11.3%    +   11.0%    +   10.2%


   12       1.008         1.000        1.008        1.005    +    9.2%    +    5.1%    +    5.2%
   13       0.835         0.264        0.954        0.951    +    3.6%    +    1.1%    +    1.3%
                                       OVERALL MONOLINE INDICATION  +    9.0%    +    5.1%    +    5.1%
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 # 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.

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                                                 MULTISTATE
                                   LOCAL PRODUCTS/COMPLETED OPERATIONS
                                    BASIC LIMIT RELATIVE CHANGE ANALYSIS *
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                   (1)              (2)             (3)             (4)             (5)                    (6)
                 BAILEY
                 FORMULA        CREDIBILITY       Z-WTD          BALANCED        INDICATED **            SELECTED
       STATE     RELATIV            Z             RELATIV        RELATIV.        MONOLINE CHG.         MONOLINE CHG.
                  2.014           0.233            1.177           1.179
                  1.233           0.389            1.085           1.086
                  1.171           0.453            1.074           1.075
                  1.178           0.356            1.060           1.061
                  1.074           0.618            1.045           1.046
                  1.180           0.253            1.043           1.044
                  1.179           0.212            1.035           1.037
                  1.272           0.136            1.033           1.035
                  1.328           0.112            1.032           1.033
                  1.218           0.158            1.032           1.033
                  1.090           0.361            1.032           1.033
                  1.178           0.187            1.031           1.032
                  1.136           0.234            1.030           1.032
                  1.120           0.256            1.029           1.031
                  1.071           0.429            1.030           1.031
                  1.080           0.366            1.029           1.030
                  1.110           0.243            1.026           1.027
                  1.145           0.182            1.025           1.026
                  1.191           0.130            1.023           1.024
                  1.029           0.365            1.011           1.012
                  1.034           0.310            1.011           1.012
                  1.025           0.391            1.010           1.011
                  1.062           0.148            1.009           1.010
                  1.020           0.251            1.005           1.006
                  1.001           0.453            1.001           1.002
                  0.985           0.557            0.992           0.993
                  0.980           0.455            0.991           0.992
                  0.903           0.095            0.990           0.992
                  0.963           0.334            0.987           0.989
                  0.935           0.183            0.988           0.989
                  0.891           0.134            0.985           0.986
                  0.961           0.471            0.981           0.982
                  0.912           0.222            0.980           0.981
                  0.931           0.299            0.979           0.980
                  0.934           0.313            0.979           0.980
                  0.925           0.285            0.978           0.979
                  0.844           0.164            0.973           0.974
                  0.837           0.156            0.973           0.974
                  0.944           0.489            0.972           0.973
   MICHIGAN       0.901           0.378            0.961           0.962            5.1%                    5.1%
                  0.540           0.066            0.960           0.961
                  0.797           0.215            0.952           0.954
                  0.896           0.451            0.952           0.953
                  0.906           0.570            0.945           0.946
                  0.857           0.416            0.938           0.939
                  0.466           0.087            0.936           0.937
                  0.686           0.179            0.935           0.936
                  0.780           0.288            0.931           0.932
                  0.623           0.154            0.930           0.931
                  0.777           0.304            0.926           0.927
                  0.848           0.553            0.913           0.914
                  0.562           0.170            0.907           0.908

* Sorted by balanced relative change.        ** The indicated monoline change is based on the selected multistate monoline change.
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                                    MICHIGAN
                      LOCAL PRODUCTS/COMPLETED OPERATIONS
                      BASIC LIMIT RELATIVE CHANGE ANALYSIS
                      ----------------------------------------
                  SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS
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		(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 RET.STRS-FOOD/DRG	$10,259	$51,785	3.827	3.347	16	0.908
	02 RET.STRS-NTFD/DRG	19,264	134,833	1.928	1.686	10	0.979
	11 COMP. OPS. (LOW)	64,009	277,779	3.059	2.675	15	0.972
	12 COMP. OPS. (MED)	1,318,859	5,519,681	0.905	0.792	101	0.952
	13 COMP. OPS. (HGH)	157,796	704,148	0.214	0.187	4	0.901
	TOTAL *	$1,570,187	$6,688,226	0.955		146	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	$243,742	$1,028,088	1.397	1.222	96	0.899
	02 RET.STRS-NTFD/DRG	145,228	626,169	0.798	0.698	19	0.970
	12 COMP. OPS. (MED)	49,246	211,681	0.407	0.356	2	0.943
	TOTAL *	$438,216	$1,865,938	1.088		117	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	$16,471	$80,885	4.444	3.886	4	0.898
	02 RET.STRS-NTFD/DRG	327,385	1,484,603	1.748	1.529	107	0.969
	11 COMP. OPS. (LOW)	68,622	321,562	0.768	0.672	18	0.962
	12 COMP. OPS. (MED)	98,437	466,760	1.334	1.166	21	0.942
	13 COMP. OPS. (HGH)	61,110	272,184	1.211	1.059	12	0.891
	TOTAL *	$572,025	$2,625,994	1.579		162	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	$7	$35	0.000	0.000	0	0.931
	11 COMP. OPS. (LOW)	2,102	13,173	0.000	0.000	0	0.997
	12 COMP. OPS. (MED)	61,447	267,097	2.706	2.366	10	0.977
	13 COMP. OPS. (HGH)	352	1,201	0.000	0.000	0	0.924
	TOTAL *	$63,908	$281,506	2.601		10	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	$242,353	$1,115,067	0.310	0.271	19	1.002
	12 COMP. OPS. (MED)	3,922,987	17,554,272	0.875	0.765	305	0.982
	13 COMP. OPS. (HGH)	334,748	1,598,092	2.437	2.131	28	0.929
	TOTAL *	$4,500,088	$20,267,431	0.961		352	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	$270,479	$1,160,793	1.675		116	
	02 RET.STRS-NTFD/DRG	491,877	2,245,605	1.475		136	
	11 COMP. OPS. (LOW)	377,086	1,727,581	0.858		52	
	12 COMP. OPS. (MED)	5,450,976	24,019,491	0.907		439	
	13 COMP. OPS. (HGH)	554,006	2,575,625	1.667		44	
	TOTAL *	$7,144,424	$31,729,095	1.032		787	

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

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                                   MULTISTATE
                       LOCAL PRODUCTS/COMPLETED OPERATIONS
                        BASIC LIMIT RELATIVE CHANGE ANALYSIS
                        --------------------------------------------
                     SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS
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		(1) CALENDAR A.Y.E. 12/31/2018 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2014 - 2018 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
10 MONOLINE	01 RET.STRS-FOOD/DRG	$2,151,747	$9,207,997	0.954		570	
	02 RET.STRS-NTFD/DRG	2,295,068	11,448,808	1.305		473	
	11 COMP. OPS. (LOW)	3,892,639	18,163,511	1.628		651	
	12 COMP. OPS. (MED)	83,135,280	371,618,514	1.130		5,859	
	13 COMP. OPS. (HGH)	7,417,394	33,727,804	0.856		270	
	TOTAL *	$98,892,128	$444,166,634	1.129		7,823	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	$7,378,051	$34,825,684	1.019		3,165	
	02 RET.STRS-NTFD/DRG	4,658,506	21,948,411	1.063		619	
	12 COMP. OPS. (MED)	2,025,900	9,715,471	1.280		128	
	TOTAL *	$14,062,457	$66,489,566	1.071		3,912	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	$731,256	$3,413,076	1.191		192	
	02 RET.STRS-NTFD/DRG	11,447,132	45,559,628	1.208		2,628	
	11 COMP. OPS. (LOW)	3,038,264	13,955,703	1.001		463	
	12 COMP. OPS. (MED)	3,961,069	19,707,043	1.159		722	
	13 COMP. OPS. (HGH)	1,089,073	5,588,052	0.594		73	
	TOTAL *	$20,266,794	$88,223,502	1.134		4,078	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	$9,836	$70,552	0.697		1	
	11 COMP. OPS. (LOW)	114,352	544,481	0.929		18	
	12 COMP. OPS. (MED)	3,289,833	16,165,376	1.259		263	
	13 COMP. OPS. (HGH)	47,462	274,715	0.769		0	
	TOTAL *	$3,461,483	$17,055,124	1.240		282	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	$8,332,796	$39,387,506	1.147		683	
	12 COMP. OPS. (MED)	145,126,584	693,295,478	1.168		12,596	
	13 COMP. OPS. (HGH)	13,781,272	64,521,309	1.051		709	
	TOTAL *	$167,240,652	$797,204,293	1.157		13,988	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	$10,270,890	$47,517,309	1.017		3,928	
	02 RET.STRS-NTFD/DRG	18,400,706	78,956,847	1.183		3,720	
	11 COMP. OPS. (LOW)	15,378,051	72,051,201	1.239		1,815	
	12 COMP. OPS. (MED)	237,538,666	1,110,501,882	1.157		19,568	
	13 COMP. OPS. (HGH)	22,335,201	104,111,880	0.963		1,052	
	TOTAL *	$303,923,514	$1,413,139,119	1.144		30,083	

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

SECTION E

SUPPORTING MATERIAL -- PREMISES/OPERATIONS

TABLE OF CONTENTS

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


                            $100,000                                              TRENDED $100,000
                ACCIDENT    BASIC LIMIT         EXPOSURE                            BASIC LIMIT
TYPE OF           YEAR    AGGREGATE LOSS COSTS DEVELOPMENT  EXPOSURE    AVERAGE   AGGREGATE LOSS COSTS
POLICY           ENDING    AT CURRENT LEVEL  X  FACTOR+  X  TREND#  X   IPMF*   =  AT CURRENT LEVEL
--------        --------  -------------------- -----------  --------   -------    --------------------

MONOLINE        06/30/2017       $4,018,757      1.000       1.090                      $4,380,445
                06/30/2018        4,359,470      1.000       1.063                       4,634,117
                06/30/2019        4,696,556      1.023       1.031                       4,953,519


MULTILINE       06/30/2017      $10,945,057      1.000       1.085      1.028          $12,207,898
                06/30/2018       11,512,746      1.000       1.059      1.029           12,545,566
                06/30/2019       11,576,298      1.023       1.031      1.029           12,563,752


TOTAL           06/30/2017                                                             $16,588,343
                06/30/2018                                                              17,179,683
                06/30/2019                                                              17,517,271
```

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

   #   AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND
       AN ASSUMED EFFECTIVE DATE OF 12/01/2020 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND
       FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E - AVERAGE ANNUAL EXPOSURE TRENDS.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	06/30/2017	$2,704,761		0.983		1.085		1.242		1.000		$3,582,892
		06/30/2018	2,017,847		1.132		1.085		1.188		1.000		2,944,292
		06/30/2019	2,233,973		1.492		1.085		1.137		1.000		4,111,847
BI	ALAE	06/30/2017	$2,331,683				1.085		1.242		1.000		$3,142,106
		06/30/2018	1,812,375				1.085		1.188		1.000		2,336,115
		06/30/2019	2,573,522				1.085		1.137		1.000		3,174,813
PD	B/L INDEMNITY	06/30/2017	$3,584,805		1.005		1.085		1.242		1.000		$4,854,930
		06/30/2018	4,119,494		1.045		1.085		1.188		1.000		5,548,893
		06/30/2019	3,984,022		1.137		1.085		1.137		1.000		5,588,206
PD	ALAE	06/30/2017	$702,801				1.085		1.242		1.000		$947,074
		06/30/2018	689,212				1.085		1.188		1.000		888,380
		06/30/2019	1,090,880				1.085		1.137		1.000		1,345,759
MED PAY#	B/L INDEMNITY	06/30/2017	$79,195				1.085		1.242		1.000		$106,721
		06/30/2018	84,262				1.085		1.188		1.000		108,612
		06/30/2019	120,549				1.085		1.137		1.000		148,715
FRINGE	B/L INDEMNITY	06/30/2017	$191,744		1.086		1.085		1.000		1.000		$225,934
		06/30/2018	364,503		1.199		1.085		1.000		1.000		474,187
		06/30/2019	358,019		1.581		1.085		1.000		1.000		614,140
FRINGE	ALAE	06/30/2017	$109,000				1.085		1.000		1.000		$118,265
		06/30/2018	490,712				1.085		1.000		1.000		532,423
		06/30/2019	951,979				1.085		1.000		1.000		1,032,897
	TOTAL FULL COVERAGE	06/30/2017											$12,977,921
		06/30/2018											12,832,902
		06/30/2019											16,016,376

* 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.

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	06/30/2017	$204,900		1.148		1.085		1.242		1.000		$316,982
		06/30/2018	218,739		1.506		1.085		1.188		1.000		424,617
		06/30/2019	235,341		2.405		1.085		1.137		1.000		698,237
BI	ALAE	06/30/2017	$136,704				1.085		1.242		1.000		$184,218
		06/30/2018	355,404				1.085		1.188		1.000		458,109
		06/30/2019	172,049				1.085		1.137		1.000		212,247
PD	B/L INDEMNITY	06/30/2017	$632,560		1.032		1.085		1.242		1.000		$879,696
		06/30/2018	1,018,796		1.072		1.085		1.188		1.000		1,407,759
		06/30/2019	1,061,953		1.171		1.085		1.137		1.000		1,534,095
PD	ALAE	06/30/2017	$131,590				1.085		1.242		1.000		$177,327
		06/30/2018	180,243				1.085		1.188		1.000		232,330
		06/30/2019	238,929				1.085		1.137		1.000		294,754
MED PAY#	B/L INDEMNITY	06/30/2017	$11,072				1.085		1.242		1.000		$14,920
		06/30/2018	6,514				1.085		1.188		1.000		8,396
		06/30/2019	12,102				1.085		1.137		1.000		14,930
	TOTAL DED COVERAGE	06/30/2017											$1,573,144
		06/30/2018											2,531,210
		06/30/2019											2,754,263
	TOTAL	06/30/2017											$14,551,065
		06/30/2018											15,364,113
		06/30/2019											18,770,639

* 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.

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

TYPE OF POLICY	ACCIDENT YEAR ENDING	$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	X	EXPOSURE DEVELOPMENT FACTOR+	X	EXPOSURE TREND#	X	AVERAGE IPMF*	=	TRENDED $100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	06/30/2017	$4,893,639		1.000		1.010				$4,942,575
	06/30/2018	5,435,892		1.000		1.007				5,473,943
	06/30/2019	4,756,534		1.003		1.006				4,799,428
MULTILINE	06/30/2017	$14,171,972		1.000		1.020		0.934		$13,501,354
	06/30/2018	14,733,931		1.000		1.015		0.934		13,967,914
	06/30/2019	15,155,357		1.003		1.011		0.935		14,369,110
TOTAL	06/30/2017									$18,443,929
	06/30/2018									19,441,857
	06/30/2019									19,168,538

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

AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDED FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 12/01/2020 BY AN EXPONENTIAL PROJECTION OF THE AVERAGE ANNUAL EXPOSURE TREND FACTOR. THE DERIVATION OF THIS EXPOSURE TREND FACTOR IS SHOWN IN SECTION E – AVERAGE ANNUAL EXPOSURE TRENDS.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	06/30/2017	$6,987,221		0.982		1.085		1.213		0.976		$8,813,661
		06/30/2018	7,982,020		1.035		1.085		1.166		0.981		10,252,988
		06/30/2019	7,696,424		1.221		1.085		1.121		0.985		11,258,389
BI	ALAE	06/30/2017	$2,847,315				1.085		1.213		0.976		$3,657,429
		06/30/2018	3,824,319				1.085		1.166		0.981		4,746,259
		06/30/2019	4,014,795				1.085		1.121		0.985		4,809,888
PD	B/L INDEMNITY	06/30/2017	$680,825		1.006		1.085		1.271		0.976		$921,846
		06/30/2018	753,261		1.054		1.085		1.211		0.981		1,023,361
		06/30/2019	975,540		1.135		1.085		1.153		0.985		1,364,383
PD	ALAE	06/30/2017	$446,001				1.085		1.271		0.976		$600,290
		06/30/2018	566,008				1.085		1.211		0.981		729,567
		06/30/2019	693,257				1.085		1.153		0.985		854,259
MED PAY#	B/L INDEMNITY	06/30/2017	$966,033				1.085		1.213		0.976		$1,240,887
		06/30/2018	1,038,694				1.085		1.166		0.981		1,289,095
		06/30/2019	1,116,258				1.085		1.121		0.985		1,337,323
FRINGE	B/L INDEMNITY	06/30/2017	$142,535		1.043		1.085		1.050		0.976		$165,301
		06/30/2018	199,252		1.276		1.085		1.040		0.981		281,440
		06/30/2019	157,099		1.665		1.085		1.029		0.985		287,653
FRINGE	ALAE	06/30/2017	$173,107				1.085		1.050		0.976		$192,479
		06/30/2018	1,080,247				1.085		1.040		0.981		1,195,791
		06/30/2019	530,552				1.085		1.029		0.985		583,458
	TOTAL FULL COVERAGE	06/30/2017											$15,591,893
		06/30/2018											19,518,501
		06/30/2019											20,495,351

* 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.

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


                                    $100,000                                                   $100,000
                                      BASIC                                                  BASIC LIMIT
                          ACCIDENT      LIMIT    B/L INDEMNITY  UNALLOCATED                   DEVELOPED &
                  LOSS      YEAR       LOSSES    DEVELOPMENT    LOSS ADJ    SEVERITY FREQUENCY TRENDED LOSS
REPORT TYPE    DESCRIPTION ENDING     AND ALAE*  X FACTOR   X  FACTOR   X   TREND  X  TREND  =   AND LAE
--------------- --------------- ---------- ---------- ---------- ---------- -------- --------- -----------
     BI        B/L INDEMNITY 06/30/2017  $969,115    1.040       1.085      1.213    0.976    $1,294,640
                             06/30/2018 1,404,699    1.251       1.085      1.166    0.981     2,180,911
                             06/30/2019   499,631    1.737       1.085      1.121    0.985     1,039,730

     BI        ALAE        06/30/2017  $434,766                1.085      1.213    0.976      $558,465
                           06/30/2018   805,126                1.085      1.166    0.981       999,220
                           06/30/2019   266,258                1.085      1.121    0.985       318,988

     PD        B/L INDEMNITY 06/30/2017   $38,880    1.194       1.085      1.271    0.976       $62,482
                             06/30/2018   130,262    1.225       1.085      1.211    0.981       205,682
                             06/30/2019   131,458    1.350       1.085      1.153    0.985       218,684

     PD        ALAE        06/30/2017    $8,238                1.085      1.271    0.976       $11,088
                           06/30/2018    85,815                1.085      1.211    0.981       110,613
                           06/30/2019   262,731                1.085      1.153    0.985       323,748

  MED  PAY#    B/L INDEMNITY 06/30/2017   $32,817                1.085      1.213    0.976       $42,154
                             06/30/2018    44,296                1.085      1.166    0.981        54,975
                             06/30/2019    37,668                1.085      1.121    0.985        45,128


               TOTAL
               DED COVERAGE 06/30/2017                                                        $1,968,829
                            06/30/2018                                                         3,551,400
                            06/30/2019                                                         1,946,277


               TOTAL       06/30/2017                                                        $17,560,721
                           06/30/2018                                                         23,069,901
                           06/30/2019                                                         22,441,629
```

* 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.

```
                                MICHIGAN
                            Premises/Operations
                       Manufacturers and Contractors
                            Subline Code 334
                           Combined Single Limit


                 Implicit Package Modification Factors (A) by Type of Policy
            Type
             of                                                      Implicit Package
          Policy (B)              Description                      Modification Factors
          ----------              -----------                      --------------------

             31               Not Applicable                              --
             32               Not Applicable                              --
             33               Office Policy                              1.055
             34               Mercantile Policy                          1.321
             35               Institutional Policy                       0.707
             36               Service Policy                             1.098
             37               Industrial/Processing Policy               0.883
             38               Contractors Policy                         1.034
```

(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.

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


              Implicit Package Modification Factors (A) by Type of Policy
          Type
           of                                                   Implicit Package
        Policy (B)              Description                    Modification Factors
        ----------              -----------                    --------------------


            31            Motel/Hotel Policy                          0.896
            32            Apartment House Policy                      0.973
            33            Office Policy                               0.946
            34            Mercantile Policy                           0.983
            35            Institutional Policy                        0.918
            36            Service Policy                              0.765
            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.

MICHIGAN

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	1.026	1.022	0.8031	1.023	26,000,000
27 to 39 Months	1.001	1.000	0.5689	1.000	80,000,000

Accident Year Ending	27:15	Exposure Development From 39:27	ULT:39	Factor
6/30/2017			1.000	1.000
6/30/2018		1.000	1.000	1.000
6/30/2019	1.023	1.000	1.000	1.023

(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) x (4)} + {(2) x {1.000-(4)}}

MICHIGAN

PREMISES/OPERATIONS
OWNERS LANDLORDS AND TENANTS

FULL & DEDUCTIBLE COMBINED
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.004	1.002	0.6404	1.003	75,000,000
27 to 39 Months	1.000	1.000	0.3759	1.000	222,000,000

| Accident
Year Ending | Exposure Development From | | | | |
	27:15	39:27	ULT:39		Factor
6/30/2017			1.000		1.000
6/30/2018		1.000	1.000		1.000
6/30/2019	1.003	1.000	1.000		1.003

(a) See Section E - Multistate Premium Development.
(b) See Section E - Statewide Premium Development.
(c) Credibility is based upon the statewide premium for each evaluation period. Exposures are assumed to be mature at 39 months.
(d) {(3) x (4)} + {(2) x {1.000-(4)}}

MICHIGAN
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
6/30/2012	28,906,333	29,724,260	28,471,168	28,467,614	28,467,614	28,467,614	28,467,615	28,467,634
6/30/2013	29,548,979	28,972,265	28,986,854	29,083,534	29,088,848	29,088,892	29,089,329	
6/30/2014	31,352,678	31,892,056	32,199,314	32,188,155	32,183,890	32,184,770		
6/30/2015	33,601,066	34,692,744	34,680,685	34,687,553	34,687,234			
6/30/2016	34,248,306	34,864,282	34,749,822	34,743,534				
6/30/2017	35,274,866	36,013,206	35,991,434					
6/30/2018	36,514,057	37,500,548						
6/30/2019	36,271,962							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2012	1.028	0.958	1.000	1.000	1.000	1.000	1.000
6/30/2013	0.980	1.001	1.003	1.000	1.000	1.000	
6/30/2014	1.017	1.010	1.000	1.000	1.000		
6/30/2015	1.032	1.000	1.000	1.000			
6/30/2016	1.018	0.997	1.000				
6/30/2017	1.021	0.999					
6/30/2018	1.027						
6/30/2019							

Average Best 3 of 5

27:15	39:27
1.022	1.000

MICHIGAN
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
6/30/2012	38,340,647	38,784,695	38,376,534	38,377,327	38,373,208	38,373,382	38,373,382	38,372,271
6/30/2013	38,788,729	38,736,756	38,722,235	38,737,403	38,735,931	38,740,250	38,736,582	
6/30/2014	41,294,443	41,437,304	41,387,853	41,382,264	41,388,811	41,385,284		
6/30/2015	43,657,874	43,680,182	43,673,899	43,682,659	43,664,417			
6/30/2016	45,288,027	45,389,820	45,437,975	45,418,296				
6/30/2017	44,451,815	44,638,042	44,578,250					
6/30/2018	43,815,130	43,670,927						
6/30/2019	42,581,619							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
6/30/2012	1.012	0.989	1.000	1.000	1.000	1.000	1.000
6/30/2013	0.999	1.000	1.000	1.000	1.000	1.000	
6/30/2014	1.003	0.999	1.000	1.000	1.000		
6/30/2015	1.001	1.000	1.000	1.000			
6/30/2016	1.002	1.001	1.000				
6/30/2017	1.004	0.999					
6/30/2018	0.997						
6/30/2019							

Average Best 3 of 5

27:15	39:27
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	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months
6/30/2012	1,431,881,874	1,486,732,089	1,406,909,274	1,406,634,858	1,406,854,875	1,407,090,813	1,407,072,643	1,407,086,359
6/30/2013	1,479,103,068	1,465,979,221	1,467,864,691	1,468,923,067	1,468,990,272	1,469,008,918	1,468,899,617	
6/30/2014	1,521,066,626	1,569,181,782	1,572,502,561	1,573,176,061	1,573,367,945	1,573,176,888		
6/30/2015	1,603,604,030	1,646,733,499	1,646,755,193	1,646,986,523	1,646,774,319			
6/30/2016	1,608,801,269	1,650,330,526	1,646,454,838	1,646,639,427				
6/30/2017	1,657,549,629	1,697,607,069	1,699,785,737					
6/30/2018	1,727,251,552	1,763,080,169						
6/30/2019	1,814,205,861							

LINK RATIOS

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

Average Best 3 of 5

27:15	39:27
1.026	1.001

MULTISTATE
OWNERS LANDLORDS AND TENANTS

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

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

LINK RATIOS

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

Average Best 3 of 5

27:15	39:27
1.004	1.000

LOSS DEVELOPMENT DATA
TABLE OF CONTENTS

Premises/Operations

Manufacturers & Contractors
Bodily Injury
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibilty Constant(Ki)
15 to 27 Months	1.590	1.242	0.7818	1.318	1,300,000
27 to 39 Months	1.330	1.102	0.7810	1.152	1,600,000
39 to 51 Months	1.072	0.993	0.7938	1.009	1,800,000
51 to 63 Months	0.999	0.979	0.7685	0.984	2,200,000
63 to 75 Months	0.994	0.990	0.7492	0.991	2,600,000
75 to 87 Months	0.998	0.991	0.7245	0.993	3,100,000
87 to 99 Months	0.997	0.999	0.7178	0.998	3,600,000
99 to 111 Months	0.999	1.000	0.6796	1.000	4,300,000
111 to 123 Months	0.999	1.000	0.6389	1.000	5,100,000
123 to 135 Months	1.001	1.000	0.5896	1.000	6,000,000
135 to 147 Months	1.001	1.000	0.5492	1.000	7,100,000
147 to 159 Months	1.000	1.000	0.5158	1.000	8,500,000
159 to 171 Months	1.000	1.000	0.4756	1.000	10,100,000
171 to 183 Months	1.000	1.000	0.4449	1.000	12,000,000
183 to 195 Months	1.000	1.000	0.3670	1.000	14,300,000
195 to 207 Months	1.001	1.000	0.3918	1.001	17,000,000
207 to 219 Months	1.001	1.000	0.3448	1.001	20,300,000
219 to 231 Months	1.001	1.000	0.2656	1.001	24,100,000
231 to 243 Months	1.001	1.000	0.1062	1.001	28,800,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	39:27	Loss Development From 51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			1.009	0.984	0.991	0.993	0.998	1.000	1.000	1.000	1.000
6/30/2018		1.152	1.009	0.984	0.991	0.993	0.998	1.000	1.000	1.000	1.000
6/30/2019	1.318	1.152	1.009	0.984	0.991	0.993	0.998	1.000	1.000	1.000	1.000

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		0.983
6/30/2018	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		1.132
6/30/2019	1.000	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.004		1.492

(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)}}

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                              MICHIGAN

                         Premises/Operations

                      Manufacturers & Contractors
                            Bodily Injury
                      Full and Deductible Coverage
                                ALAE

              Calculation of Cumulative Incremental Factors
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	(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	0.0650	0.0832	0.7818	0.0793	1,300,000
27 to 39 Months	0.0999	0.0845	0.7810	0.0879	1,600,000
39 to 51 Months	0.0891	0.1091	0.7938	0.1050	1,800,000
51 to 63 Months	0.0446	0.0247	0.7685	0.0293	2,200,000
63 to 75 Months	0.0252	0.0080	0.7492	0.0123	2,600,000
75 to 87 Months	0.0096	-0.0016	0.7245	0.0015	3,100,000
87 to 99 Months	0.0054	-0.0007	0.7178	0.0010	3,600,000
99 to 111 Months	0.0029	0.0011	0.6796	0.0017	4,300,000
111 to 123 Months	0.0023	0.0000	0.6389	0.0008	5,100,000
123 to 135 Months	0.0011	0.0000	0.5896	0.0005	6,000,000
135 to 147 Months	0.0005	0.0000	0.5492	0.0002	7,100,000
147 to 159 Months	0.0012	0.0000	0.5158	0.0006	8,500,000
159 to 171 Months	0.0008	0.0000	0.4756	0.0004	10,100,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

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                        Cumulative Incremental Factors
   Months-to-Ultimate     15      27      39      51      63      75      87
                         0.321   0.241   0.153   0.048   0.019   0.007   0.005

   Months-to-Ultimate     99     111     123     135     147     159     171
                         0.004   0.003   0.002   0.001   0.001   0.000   0.000
```

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/19	$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	1,512,748	5,352,522	0.153	818,935	2,331,683
6/30/2018	565,250	5,174,779	0.241	1,247,125	1,812,375
6/30/2019	330,223	6,988,466	0.321	2,243,299	2,573,522

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/19	$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	93,025	285,488	0.153	43,679	136,704
6/30/2018	136,800	907,072	0.241	218,604	355,404
6/30/2019	10,611	502,925	0.321	161,438	172,049

(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)}}

MICHIGAN

Premises/Operations

Manufacturers & Contractors
Property Damage
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

	(1)	(2)	(3)	(4)	(5)	
	EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
15 to 27 Months		1.111	1.081	0.7545	1.088	2,800,000
27 to 39 Months		1.051	1.037	0.7672	1.040	2,900,000
39 to 51 Months		1.015	1.005	0.7344	1.008	3,000,000
51 to 63 Months		1.006	0.997	0.7120	1.000	3,200,000
63 to 75 Months		1.006	0.990	0.6973	0.995	3,300,000
75 to 87 Months		1.005	0.984	0.7021	0.990	3,500,000
87 to 99 Months		1.005	1.000	0.7027	1.001	3,600,000
99 to 111 Months		1.006	1.000	0.6958	1.002	3,800,000
111 to 123 Months		1.003	1.000	0.7078	1.001	4,000,000
123 to 135 Months		1.001	1.000	0.7139	1.000	4,200,000
135 to 147 Months		1.002	1.000	0.6912	1.001	4,400,000
147 to 159 Months		1.002	1.000	0.6812	1.001	4,600,000
159 to 171 Months		1.002	1.000	0.6834	1.001	4,800,000
171 to 183 Months		1.001	1.000	0.6806	1.000	5,000,000
183 to 195 Months		1.001	1.000	0.6485	1.000	5,300,000
195 to 207 Months		1.001	1.000	0.6364	1.000	5,600,000
207 to 219 Months		1.001	1.000	0.6404	1.000	5,800,000
219 to 231 Months		1.001	1.000	0.5534	1.000	6,100,000
231 to 243 Months		1.001	1.000	0.3659	1.001	6,400,000
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
6/30/2017			1.008	1.000	0.995	0.990	1.001	1.002	1.001	1.000	1.001
6/30/2018		1.040	1.008	1.000	0.995	0.990	1.001	1.002	1.001	1.000	1.001
6/30/2019	1.088	1.040	1.008	1.000	0.995	0.990	1.001	1.002	1.001	1.000	1.001

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.001	1.004		1.005
6/30/2018	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.001	1.004		1.045
6/30/2019	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.001	1.004		1.137

(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)}}

Premises/Operations

Manufacturers & Contractors
Property Damage
Full and Deductible Coverage
ALAE

Calculation of Cumulative Incremental Factors

	(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
15 to 27 Months	0.0451	0.0188	0.7545	0.0253	2,800,000
27 to 39 Months	0.0490	-0.0047	0.7672	0.0078	2,900,000
39 to 51 Months	0.0410	0.0082	0.7344	0.0169	3,000,000
51 to 63 Months	0.0339	0.0130	0.7120	0.0190	3,200,000
63 to 75 Months	0.0179	0.0041	0.6973	0.0083	3,300,000
75 to 87 Months	0.0099	0.0023	0.7021	0.0046	3,500,000
87 to 99 Months	0.0084	0.0002	0.7027	0.0026	3,600,000
99 to 111 Months	0.0109	0.0000	0.6958	0.0033	3,800,000
111 to 123 Months	0.0072	0.0000	0.7078	0.0021	4,000,000
123 to 135 Months	0.0047	0.0000	0.7139	0.0014	4,200,000
135 to 147 Months	0.0043	0.0000	0.6912	0.0013	4,400,000
147 to 159 Months	0.0043	0.0000	0.6812	0.0014	4,600,000
159 to 171 Months	0.0042	0.0000	0.6834	0.0013	4,800,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors

Months-to-Ultimate	15	27	39	51	63	75	87
	0.095	0.070	0.062	0.045	0.026	0.018	0.013

Months-to-Ultimate	99	111	123	135	147	159	171
	0.011	0.007	0.005	0.004	0.003	0.001	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 9/30/19	$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	438,696	4,259,754	0.062	264,105	702,801
6/30/2018	329,548	5,138,074	0.070	359,664	689,212
6/30/2019	489,849	6,326,628	0.095	601,031	1,090,880

Deductible Coverage

A.Y.E.	Reported ALAE as of 9/30/19	$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
6/30/2017	90,650	660,392	0.062	40,940	131,590
6/30/2018	74,965	1,503,920	0.070	105,278	180,243
6/30/2019	54,766	1,938,534	0.095	184,163	238,929

(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)}}

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                                    MICHIGAN

                                Premises/Operations

                            Manufacturers & Contractors
                                      Fringe
                                  Full Coverage
                                      ALAE

                      Calculation of Cumulative Incremental Factors

            (1)                 (2)

         EVALUATION         MULTISTATE
           PERIOD           RATIO (A)

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


                             Cumulative Incremental Factors
       Months-to-Ultimate      15       27       39       51       63       75       87
                             0.691    0.537    0.371    0.229    0.132    0.088    0.030

       Months-to-Ultimate      99      111      123      135      147      159      171
                             0.023    0.005    0.003    0.003    0.002    0.002    0.000


                   Reported ALAE      $500,000       ALAE     Additional   Ultimate
         A.Y.E.    as of 9/30/19   Ultimate Indemnity   Factor       ALAE        ALAE
       6/30/2017        20,363          238,914       0.371       88,637     109,000
       6/30/2018        12,199          891,087       0.537      478,513     490,712
       6/30/2019        68,844        1,278,056       0.691      883,135     951,979


    (A) See Section E - Multistate Loss Development.
    Note: Fringe Incremental ALAE Factors are calculated using multistate data.
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Premises/Operations

Owners, Landlords & Tenants
Bodily Injury
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

	(1)	(2)	(3)	(4)	(5)
	EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
15 to 27 Months	1.398	1.157	0.9057	1.180	1,600,000
27 to 39 Months	1.183	1.038	0.8929	1.054	2,100,000
39 to 51 Months	1.049	1.035	0.8794	1.037	2,700,000
51 to 63 Months	0.999	0.954	0.8536	0.961	3,400,000
63 to 75 Months	0.993	0.994	0.8130	0.994	4,300,000
75 to 87 Months	0.994	1.000	0.7790	0.999	5,500,000
87 to 99 Months	0.996	0.993	0.7659	0.994	7,100,000
99 to 111 Months	0.998	0.996	0.7492	0.997	9,000,000
111 to 123 Months	1.000	1.000	0.6962	1.000	11,600,000
123 to 135 Months	1.000	1.000	0.6258	1.000	14,800,000
135 to 147 Months	1.000	1.000	0.5417	1.000	19,000,000
147 to 159 Months	1.000	1.000	0.4623	1.000	24,400,000
159 to 171 Months	1.001	1.000	0.3883	1.001	31,400,000
171 to 183 Months	1.000	1.000	0.3290	1.000	40,300,000
183 to 195 Months	1.000	1.000	0.2835	1.000	52,000,000
195 to 207 Months	1.000	1.000	0.2617	1.000	67,000,000
207 to 219 Months	1.000	1.000	0.2357	1.000	86,500,000
219 to 231 Months	1.000	1.000	0.1481	1.000	111,700,000
231 to 243 Months	1.000	1.000	0.0633	1.000	144,600,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	39:27	Loss Development From 51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
6/30/2017			1.037	0.961	0.994	0.999	0.994	0.997	1.000	1.000	1.000
6/30/2018		1.054	1.037	0.961	0.994	0.999	0.994	0.997	1.000	1.000	1.000
6/30/2019	1.180	1.054	1.037	0.961	0.994	0.999	0.994	0.997	1.000	1.000	1.000

Accident Year Ending	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
6/30/2017	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.982
6/30/2018	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.035
6/30/2019	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	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) x (4)} + {(2) x {1.000-(4)}}

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                              MICHIGAN

                         Premises/Operations

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

                 Calculation of Cumulative Incremental Factors

        (1)            (2)         (3)          (4)          (5)

     EVALUATION     MULTISTATE    STATE                   WEIGHTED     Credibility
      PERIOD        RATIO (A)   RATIO (B)   CREDIBILITY(C)  RATIO (D)   Constant(Ki)

   15 to   27 Months   0.0675      0.0876      0.9057      0.0857      1,600,000
   27 to   39 Months   0.0813      0.0607      0.8929      0.0629      2,100,000
   39 to   51 Months   0.0593      0.0660      0.8794      0.0652      2,700,000
   51 to   63 Months   0.0287      0.0145      0.8536      0.0166      3,400,000
   63 to   75 Months   0.0133      0.0061      0.8130      0.0075      4,300,000
   75 to   87 Months   0.0059      0.0006      0.7790      0.0018      5,500,000
   87 to   99 Months   0.0034     -0.0002      0.7659      0.0007      7,100,000
   99 to  111 Months   0.0032      0.0006      0.7492      0.0012      9,000,000
  111 to  123 Months   0.0013      0.0004      0.6962      0.0007     11,600,000
  123 to  135 Months   0.0012      0.0001      0.6258      0.0005     14,800,000
  135 to  147 Months   0.0005      0.0000      0.5417      0.0002     19,000,000
  147 to  159 Months   0.0009      0.0000      0.4623      0.0005     24,400,000
  159 to  171 Months   0.0009      0.0000      0.3883      0.0006     31,400,000
  171 to Ultimate       A multistate ratio of 0.0000 has been used.


                        Cumulative Incremental Factors
   Months-to-Ultimate      15       27       39       51       63       75       87
                         0.244    0.158    0.095    0.030    0.014    0.006    0.004

   Months-to-Ultimate      99      111      123      135      147      159      171
                         0.004    0.002    0.002    0.001    0.001    0.001    0.000

Full Coverage
              Reported ALAE     $500,000        ALAE    Additional   Ultimate
   A.Y.E.     as of 9/30/19  Ultimate Indemnity  Factor    ALAE        ALAE
   6/30/2017     1,892,645       10,049,142      0.095    954,670    2,847,315
   6/30/2018     1,788,933       12,882,178      0.158  2,035,386    3,824,319
   6/30/2019       855,943       12,946,116      0.244  3,158,852    4,014,795

Deductible Coverage
              Reported ALAE     $500,000        ALAE    Additional   Ultimate
   A.Y.E.     as of 9/30/19  Ultimate Indemnity  Factor    ALAE        ALAE
   6/30/2017       324,569        1,159,992      0.095    110,197      434,766
   6/30/2018       454,989        2,216,038      0.158    350,137      805,126
   6/30/2019        74,749          784,873      0.244    191,509      266,258

(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)}}
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MICHIGAN

Premises/Operations

Owners, Landlords & Tenants
Property Damage
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

	(1)	(2)	(3)	(4)	(5)	
	EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
15 to 27 Months	1.128	1.043	0.5994	1.077	1,100,000
27 to 39 Months	1.053	1.045	0.5826	1.048	1,300,000
39 to 51 Months	1.029	0.978	0.5497	1.001	1,500,000
51 to 63 Months	1.010	0.954	0.4638	0.984	1,700,000
63 to 75 Months	1.004	0.996	0.4525	1.000	1,900,000
75 to 87 Months	1.007	1.000	0.4503	1.004	2,200,000
87 to 99 Months	1.001	1.000	0.4535	1.001	2,500,000
99 to 111 Months	1.005	1.001	0.4597	1.003	2,700,000
111 to 123 Months	1.003	1.000	0.4493	1.002	3,100,000
123 to 135 Months	1.001	1.000	0.4492	1.001	3,600,000
135 to 147 Months	1.001	1.000	0.3846	1.001	4,100,000
147 to 159 Months	1.000	1.000	0.3289	1.000	4,600,000
159 to 171 Months	1.000	1.000	0.2484	1.000	5,200,000
171 to 183 Months	1.000	1.000	0.2481	1.000	6,000,000
183 to 195 Months	1.001	1.000	0.2503	1.001	6,700,000
195 to 207 Months	1.002	1.000	0.2623	1.001	7,700,000
207 to 219 Months	1.001	1.000	0.2557	1.001	8,700,000
219 to 231 Months	1.001	1.000	0.1744	1.001	9,900,000
231 to 243 Months	1.001	1.000	0.0854	1.001	11,300,000
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
6/30/2017			1.001	0.984	1.000	1.004	1.001	1.003	1.002	1.001	1.001
6/30/2018		1.048	1.001	0.984	1.000	1.004	1.001	1.003	1.002	1.001	1.001
6/30/2019	1.077	1.048	1.001	0.984	1.000	1.004	1.001	1.003	1.002	1.001	1.001

Accident Year Ending	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
6/30/2017	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.004		1.006
6/30/2018	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.004		1.054
6/30/2019	1.000	1.000	1.000	1.001	1.001	1.001	1.001	1.001	1.004		1.135

(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)}}

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                                  MICHIGAN

                             Premises/Operations

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

                    Calculation of Cumulative Incremental Factors

          (1)              (2)          (3)            (4)          (5)

       EVALUATION      MULTISTATE      STATE                      WEIGHTED     Credibility
        PERIOD         RATIO (A)     RATIO (B)    CREDIBILITY(C)   RATIO (D)    Constant(Ki)

   15 to   27 Months    0.0754        0.1276        0.5994         0.1067      1,100,000
   27 to   39 Months    0.0908        0.0956        0.5826         0.0936      1,300,000
   39 to   51 Months    0.0711        0.0580        0.5497         0.0639      1,500,000
   51 to   63 Months    0.0462        0.0496        0.4638         0.0477      1,700,000
   63 to   75 Months    0.0343        0.0198        0.4525         0.0277      1,900,000
   75 to   87 Months    0.0181        0.0000        0.4503         0.0100      2,200,000
   87 to   99 Months    0.0198        0.0000        0.4535         0.0108      2,500,000
   99 to  111 Months    0.0167        0.0000        0.4597         0.0090      2,700,000
  111 to  123 Months    0.0110        0.0016        0.4493         0.0067      3,100,000
  123 to  135 Months    0.0104        0.0002        0.4492         0.0058      3,600,000
  135 to  147 Months    0.0057        0.0000        0.3846         0.0035      4,100,000
  147 to  159 Months    0.0020        0.0000        0.3289         0.0013      4,600,000
  159 to  171 Months    0.0018        0.0000        0.2484         0.0014      5,200,000
  171 to  Ultimate            A multistate ratio of 0.0000 has been used.


                            Cumulative Incremental Factors
     Months-to-Ultimate      15        27        39        51        63        75        87
                           0.388     0.282     0.188     0.124     0.076     0.049     0.039

     Months-to-Ultimate      99       111       123       135       147       159       171
                           0.028     0.019     0.012     0.006     0.003     0.001     0.000

Full Coverage
                  Reported ALAE      $500,000         ALAE     Additional   Ultimate
     A.Y.E.       as of 9/30/19  Ultimate Indemnity  Factor      ALAE        ALAE
   6/30/2017         202,199         1,296,838        0.188     243,802     446,001
   6/30/2018         196,527         1,310,223        0.282     369,481     566,008
   6/30/2019          64,779         1,619,783        0.388     628,478     693,257

Deductible Coverage
                  Reported ALAE      $500,000         ALAE     Additional   Ultimate
     A.Y.E.       as of 9/30/19  Ultimate Indemnity  Factor      ALAE        ALAE
   6/30/2017             564            40,824        0.188       7,674       8,238
   6/30/2018           1,320           299,629        0.282      84,495      85,815
   6/30/2019           2,912           669,638        0.388     259,819     262,731

  (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)}}
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                              MICHIGAN

                         Premises/Operations

                   Owners, Landlords & Tenants
                               Fringe
                           Full Coverage
                               ALAE

                  Calculation of Cumulative Incremental Factors

          (1)                  (2)

       EVALUATION        MULTISTATE
         PERIOD          RATIO (A)

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


                         Cumulative Incremental Factors
    Months-to-Ultimate      15      27      39      51      63      75      87
                          1.088   0.841   0.648   0.447   0.296   0.164   0.080

    Months-to-Ultimate      99     111     123     135     147     159     171
                          0.048   0.041   0.029   0.023   0.020   0.003   0.000


                 Reported ALAE      $500,000        ALAE    Additional   Ultimate
       A.Y.E.    as of 9/30/19  Ultimate Indemnity  Factor     ALAE        ALAE
     6/30/2017         54,606          182,872       0.648    118,501     173,107
     6/30/2018        265,327          968,991       0.841    814,920   1,080,247
     6/30/2019        134,694          363,841       1.088    395,858     530,552

   (A) See Section E - Multistate Loss Development.
   Note: Fringe Incremental ALAE Factors are calculated using multistate data.
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PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MICHIGAN
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	2,121,830	3,680,688	4,118,776	3,693,497	3,561,173	3,567,708	3,530,673	3,430,488	3,430,488	3,430,488	3,430,488
6/30/2001	2,479,692	4,372,503	5,570,046	5,717,655	5,529,732	5,408,695	5,305,260	5,295,260	5,295,259	5,295,259	5,295,259
6/30/2002	1,439,292	2,546,923	2,474,341	2,111,831	1,987,962	1,903,102	1,903,162	1,903,162	1,903,162	1,903,162	1,969,025
6/30/2003	1,585,607	2,988,219	3,474,315	3,773,346	3,793,790	3,687,948	3,687,948	3,687,948	3,687,948	3,687,948	3,687,948
6/30/2004	1,335,803	1,885,947	2,646,113	2,679,466	2,623,802	2,632,952	2,632,952	2,632,952	2,632,952	2,632,952	2,632,952
6/30/2005	1,745,034	2,816,872	3,629,578	3,850,945	3,499,868	3,354,230	3,296,715	3,296,715	3,296,715	3,296,715	3,296,715
6/30/2006	2,462,643	2,767,849	3,208,199	3,352,475	3,266,848	3,231,848	3,231,848	3,231,848	3,231,848	3,231,848	3,231,848
6/30/2007	1,562,592	2,027,172	2,239,473	2,420,685	2,421,678	2,475,318	2,443,318	2,459,338	2,424,696	2,424,696	2,524,696
6/30/2008	2,370,968	3,527,563	3,324,389	3,210,399	2,854,832	2,854,828	2,892,184	2,892,184	2,892,184	2,892,184	2,892,184
6/30/2009	2,368,801	3,345,842	4,017,342	3,978,876	3,438,674	3,387,277	3,307,277	3,304,776	3,304,776	3,304,776	3,304,776
6/30/2010	2,256,249	3,130,001	3,467,055	2,921,985	2,851,286	2,846,287	2,827,626	2,827,626	2,827,626	2,827,626	
6/30/2011	1,973,955	2,747,991	3,008,372	3,007,683	3,085,492	3,095,387	3,089,387	2,989,387	2,989,387		
6/30/2012	2,067,705	2,612,942	3,312,741	3,347,133	3,397,640	3,295,880	3,239,556	3,235,790			
6/30/2013	1,319,460	2,062,392	2,144,410	2,015,715	1,843,854	1,762,218	1,763,452				
6/30/2014	1,374,670	2,215,635	2,487,257	2,816,330	2,526,041	2,546,121					
6/30/2015	1,507,799	1,983,019	2,428,972	2,469,700	2,488,653						
6/30/2016	1,389,831	1,787,788	2,012,716	1,916,337							
6/30/2017	1,771,459	1,934,465	2,046,181								
6/30/2018	1,497,134	1,683,529									
6/30/2019	2,116,579										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	3,430,488	3,430,488	3,430,488	3,430,488	3,420,488	3,420,488	3,420,488	3,420,488	3,420,488
6/30/2001	5,295,253	5,295,253	5,295,253	5,295,253	5,295,253	5,295,253	5,295,253	5,295,253	
6/30/2002	1,969,025	1,969,025	1,969,025	1,969,025	1,969,025	1,969,025	1,969,025		
6/30/2003	3,687,948	3,687,948	3,687,948	3,687,948	3,687,948	3,687,948			
6/30/2004	2,632,952	2,632,952	2,632,952	2,632,952	2,717,952				
6/30/2005	3,296,715	3,296,715	3,296,715	3,296,715					
6/30/2006	3,231,848	3,231,848	3,231,848						
6/30/2007	2,524,696	2,524,696							
6/30/2008	2,892,184								

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

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.735	1.119	0.897	0.964	1.002	0.990	0.972	1.000	1.000	1.000	1.000
6/30/2001	1.763	1.274	1.027	0.967	0.978	0.981	0.998	1.000	1.000	1.000	1.000
6/30/2002	1.770	0.972	0.853	0.941	0.957	1.000	1.000	1.000	1.000	1.035	1.000
6/30/2003	1.885	1.163	1.086	1.005	0.972	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2004	1.412	1.403	1.013	0.979	1.003	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.614	1.289	1.061	0.909	0.958	0.983	1.000	1.000	1.000	1.000	1.000
6/30/2006	1.124	1.159	1.045	0.974	0.989	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2007	1.297	1.105	1.081	1.000	1.022	0.987	1.007	0.986	1.000	1.041	1.000
6/30/2008	1.488	0.942	0.966	0.889	1.000	1.013	1.000	1.000	1.000	1.000	1.000
6/30/2009	1.412	1.201	0.990	0.864	0.985	0.976	0.999	1.000	1.000	1.000	
6/30/2010	1.387	1.108	0.843	0.976	0.998	0.993	1.000	1.000	1.000		
6/30/2011	1.392	1.095	1.000	1.026	1.003	0.998	0.968	1.000			
6/30/2012	1.264	1.268	1.010	1.015	0.970	0.983	0.999				
6/30/2013	1.563	1.040	0.940	0.915	0.956	1.001					
6/30/2014	1.612	1.123	1.132	0.897	1.008						
6/30/2015	1.315	1.225	1.017	1.008							
6/30/2016	1.286	1.126	0.952								
6/30/2017	1.092	1.058									
6/30/2018	1.125										
3 Yr Mean	1.168	1.136	1.034	0.940	0.978	0.994	0.989	1.000	1.000	1.014	1.000
Best 3/5	1.242	1.102	0.993	0.979	0.990	0.991	0.999	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	1.000	1.000	1.000	0.997	1.000	1.000	1.000	1.000
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000	1.032	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000					
6/30/2006	1.000	1.000						
6/30/2007	1.000							
3 Yr Mean	1.000	1.000	1.000	1.011	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.990	0.991	0.999	1.000	1.000	1.000	1.000
6/30/2016				0.979	0.990	0.991	0.999	1.000	1.000	1.000	1.000
6/30/2017			0.993	0.979	0.990	0.991	0.999	1.000	1.000	1.000	1.000
6/30/2018		1.102	0.993	0.979	0.990	0.991	0.999	1.000	1.000	1.000	1.000
6/30/2019	1.242	1.102	0.993	0.979	0.990	0.991	0.999	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.980
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.960
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.953
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.050
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.304

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

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MICHIGAN
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
6/30/2000	427,419	747,268	1,155,829	1,547,506	1,889,236	1,988,509	1,895,193	1,785,487	1,784,173	1,784,595	1,790,595
6/30/2001	368,912	859,844	1,851,589	2,509,226	2,688,918	2,781,092	2,757,379	2,783,081	2,784,042	2,784,042	2,784,042
6/30/2002	162,267	392,647	745,385	876,055	1,082,990	1,077,916	1,090,619	1,126,861	1,138,539	1,156,204	1,317,463
6/30/2003	125,411	906,923	935,576	1,283,400	1,378,382	1,347,726	1,347,925	1,347,925	1,347,925	1,347,925	1,347,925
6/30/2004	74,678	273,255	706,157	995,504	1,116,118	1,166,280	1,167,643	1,167,568	1,167,568	1,167,568	1,167,568
6/30/2005	663,613	1,391,940	2,103,768	2,589,628	2,828,991	2,777,355	2,780,933	2,780,933	2,780,933	2,780,933	2,780,933
6/30/2006	330,923	723,246	1,353,906	1,803,445	2,691,899	2,294,087	2,323,543	2,323,543	2,323,543	2,323,543	2,323,543
6/30/2007	128,564	392,484	746,648	977,345	1,182,195	1,214,417	1,291,125	1,346,541	1,374,291	1,372,815	1,372,816
6/30/2008	155,573	757,834	1,282,804	1,742,013	1,967,514	2,077,562	2,101,045	2,101,045	2,101,045	2,101,045	2,101,045
6/30/2009	203,046	1,117,795	2,157,091	2,717,523	2,912,176	3,013,475	2,943,107	2,931,246	2,931,246	2,931,246	2,931,246
6/30/2010	286,870	653,255	1,124,717	1,335,531	1,480,216	1,686,437	1,614,507	1,615,144	1,615,144	1,615,144	
6/30/2011	275,198	337,764	708,501	1,109,946	1,465,695	1,398,469	1,433,220	1,416,602	1,432,845		
6/30/2012	262,130	616,673	1,210,606	1,751,284	1,831,284	1,754,833	1,757,814	1,757,402			
6/30/2013	221,530	862,516	1,289,763	1,202,772	1,267,209	1,268,937	1,294,823				
6/30/2014	174,385	540,497	728,562	1,294,527	1,549,999	1,773,904					
6/30/2015	149,223	555,504	1,338,091	2,039,570	1,595,418						
6/30/2016	194,261	570,191	954,026	1,453,955							
6/30/2017	533,418	1,195,407	1,300,430								
6/30/2018	246,067	502,058									
6/30/2019	314,709										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	1,791,195	1,791,195	1,791,195	1,791,113	1,784,595	1,784,595	1,784,595	1,784,595	1,784,595
6/30/2001	2,784,042	2,784,042	2,784,042	2,784,042	2,784,042	2,784,042	2,784,042	2,784,042	
6/30/2002	1,344,736	1,359,961	1,391,529	1,391,529	1,391,529	1,391,529	1,391,529		
6/30/2003	1,347,925	1,347,925	1,347,925	1,347,925	1,347,925	1,347,925			
6/30/2004	1,167,568	1,167,568	1,167,568	1,167,568	1,167,568				
6/30/2005	2,780,933	2,780,933	2,780,933	2,780,933					
6/30/2006	2,323,543	2,323,543	2,323,543						
6/30/2007	1,372,816	1,372,815							
6/30/2008	2,101,045								

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

Increments

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	319,849	408,561	391,677	341,730	99,273	-93,316	-109,706	-1,314	422	6,000	600	0	0
6/30/2001	490,932	991,745	657,637	179,692	92,174	-23,713	25,702	961	0	0	0	0	0
6/30/2002	230,380	352,738	130,670	206,935	-5,074	12,703	36,242	11,678	17,665	161,259	27,273	15,225	31,568
6/30/2003	781,512	28,653	347,824	94,982	-30,656	199	0	0	0	0	0	0	0
6/30/2004	198,577	432,902	289,347	120,614	50,162	1,363	-75	0	0	0	0	0	0
6/30/2005	728,327	711,828	485,860	239,363	-51,636	3,578	0	0	0	0	0	0	0
6/30/2006	392,323	630,660	449,539	888,454	-397,812	29,456	0	0	0	0	0	0	0
6/30/2007	263,920	354,164	230,697	204,850	32,222	76,708	55,416	27,750	-1,476	1	0	-1	
6/30/2008	602,261	524,970	459,209	225,501	110,048	23,483	0	0	0	0	0		
6/30/2009	914,749	1,039,296	560,432	194,653	101,299	-70,368	-11,861	0	0	0			
6/30/2010	366,385	471,462	210,814	144,685	206,221	-71,930	637	0	0				
6/30/2011	62,566	370,737	401,445	355,749	-67,226	34,751	-16,618	16,243					
6/30/2012	354,543	593,933	540,678	80,000	-76,451	2,981	-412						
6/30/2013	640,986	427,247	-86,991	64,437	1,728	25,886							
6/30/2014	366,112	188,065	565,965	255,472	223,905								
6/30/2015	406,281	782,587	701,479	-444,152									
6/30/2016	375,930	383,835	499,929										
6/30/2017	661,989	105,023											
6/30/2018	255,991												

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0597	0.0763	0.0732	0.0638	0.0185	-0.0174	-0.0205	-0.0002	0.0001	0.0011	0.0001	0.0000	0.0000
6/30/2001	0.0527	0.1064	0.0705	0.0193	0.0099	-0.0025	0.0028	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0711	0.1088	0.0403	0.0638	-0.0016	0.0039	0.0112	0.0036	0.0054	0.0497	0.0084	0.0047	0.0097
6/30/2003	0.1219	0.0045	0.0543	0.0148	-0.0048	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0452	0.0986	0.0659	0.0275	0.0114	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.1235	0.1207	0.0824	0.0406	-0.0088	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.0570	0.0917	0.0653	0.1291	-0.0578	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0442	0.0594	0.0387	0.0343	0.0054	0.0129	0.0093	0.0047	-0.0002	0.0000	0.0000	0.0000	
6/30/2008	0.0901	0.0785	0.0687	0.0337	0.0165	0.0035	0.0000	0.0000	0.0000	0.0000	0.0000		
6/30/2009	0.1519	0.1726	0.0931	0.0323	0.0168	-0.0117	-0.0020	0.0000	0.0000	0.0000			
6/30/2010	0.0810	0.1043	0.0466	0.0320	0.0456	-0.0159	0.0001	0.0000	0.0000				
6/30/2011	0.0128	0.0758	0.0821	0.0728	-0.0137	0.0071	-0.0034	0.0033					
6/30/2012	0.0688	0.1152	0.1049	0.0155	-0.0148	0.0006	-0.0001						
6/30/2013	0.1582	0.1055	-0.0215	0.0159	0.0004	0.0064							
6/30/2014	0.0613	0.0315	0.0947	0.0428	0.0375								
6/30/2015	0.0740	0.1425	0.1277	-0.0808									
6/30/2016	0.1140	0.1164	0.1517										
6/30/2017	0.1604	0.0254											
6/30/2018	0.0617												
Best 3/5	0.0832	0.0845	0.1091	0.0247	0.0080	-0.0016	-0.0007	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MICHIGAN
PROPERTY DAMAGE – OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	3,060,331	3,588,083	3,717,320	3,631,592	3,536,586	3,656,574	3,740,457	3,713,453	3,693,822	3,693,822	3,693,822
6/30/2001	3,301,005	3,636,846	3,460,137	3,775,679	4,035,148	3,864,912	3,864,912	3,864,912	3,864,912	3,864,912	3,864,912
6/30/2002	2,601,985	2,763,975	3,101,411	2,833,085	2,739,620	2,723,904	2,820,479	2,771,079	2,771,079	2,771,079	2,771,079
6/30/2003	3,192,780	3,377,524	3,212,406	3,165,463	3,218,538	3,159,212	3,159,212	3,169,212	3,178,712	3,178,712	3,178,712
6/30/2004	3,153,385	3,784,211	3,572,710	3,973,098	3,881,072	3,924,506	3,919,506	3,840,431	3,839,506	3,839,506	3,839,506
6/30/2005	3,779,512	3,890,819	3,668,546	3,749,606	3,628,143	3,647,136	3,662,119	3,646,119	3,646,119	3,647,285	3,647,285
6/30/2006	2,669,920	2,900,142	3,058,178	3,037,875	2,829,946	2,970,203	2,945,895	2,913,860	2,873,862	2,876,033	2,876,033
6/30/2007	3,030,286	3,538,895	3,439,060	3,381,719	3,290,718	3,304,218	3,304,218	3,304,218	3,304,218	3,304,218	3,304,218
6/30/2008	3,154,350	3,283,646	3,442,275	3,580,624	3,651,645	3,652,131	3,667,831	3,666,931	3,666,831	3,666,831	3,666,831
6/30/2009	2,905,944	3,350,235	3,494,756	3,581,528	3,621,748	3,622,748	3,511,626	3,511,526	3,511,526	3,511,526	3,510,914
6/30/2010	2,430,289	2,585,451	2,520,995	2,612,570	2,607,177	2,495,920	2,508,821	2,508,821	2,508,821	2,508,821	
6/30/2011	2,464,194	2,924,867	2,698,120	2,743,910	2,752,183	2,755,073	2,655,073	2,670,073	2,670,073		
6/30/2012	3,226,721	3,386,664	3,425,013	3,397,806	3,324,558	3,404,713	3,346,492	3,261,505			
6/30/2013	2,048,626	2,078,861	2,283,679	2,091,014	2,091,013	2,091,013	2,091,013				
6/30/2014	1,834,097	1,834,212	1,916,802	2,136,864	2,184,863	2,119,863					
6/30/2015	3,388,456	3,568,792	3,413,693	3,683,340	3,636,905						
6/30/2016	2,558,325	2,749,624	2,965,039	2,799,992							
6/30/2017	2,903,235	3,238,424	3,196,498								
6/30/2018	3,143,023	3,551,798									
6/30/2019	3,430,210										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	3,693,822	3,693,822	3,693,822	3,693,822	3,693,822	3,693,822	3,693,822	3,693,822	3,693,822
6/30/2001	3,864,912	3,864,912	3,864,912	3,864,912	3,864,912	3,864,912	3,864,912	3,864,912	
6/30/2002	2,771,079	2,771,079	2,771,079	2,771,079	2,771,079	2,771,079	2,771,079		
6/30/2003	3,165,613	3,165,613	3,165,613	3,165,613	3,165,613	3,165,613			
6/30/2004	3,839,506	3,839,506	3,839,506	3,839,506	3,839,506				
6/30/2005	3,647,285	3,647,285	3,647,285	3,647,285					
6/30/2006	2,876,096	2,876,096	2,876,096						
6/30/2007	3,304,218	3,304,218							
6/30/2008	3,666,831								

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MICHIGAN
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.172	1.036	0.977	0.974	1.034	1.023	0.993	0.995	1.000	1.000	1.000
6/30/2001	1.102	0.951	1.091	1.069	0.958	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2002	1.062	1.122	0.913	0.967	0.994	1.035	0.982	1.000	1.000	1.000	1.000
6/30/2003	1.058	0.951	0.985	1.017	0.982	1.000	1.003	1.003	1.000	1.000	0.996
6/30/2004	1.200	0.944	1.112	0.977	1.011	0.999	0.980	1.000	1.000	1.000	1.000
6/30/2005	1.029	0.943	1.022	0.968	1.005	1.004	0.996	1.000	1.000	1.000	1.000
6/30/2006	1.086	1.054	0.993	0.932	1.050	0.992	0.989	0.986	1.001	1.000	1.000
6/30/2007	1.168	0.972	0.983	0.973	1.004	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2008	1.041	1.048	1.040	1.020	1.000	1.004	1.000	1.000	1.000	1.000	1.000
6/30/2009	1.153	1.043	1.025	1.011	1.000	0.969	1.000	1.000	1.000	1.000	
6/30/2010	1.064	0.975	1.036	0.998	0.957	1.005	1.000	1.000	1.000		
6/30/2011	1.187	0.922	1.017	1.003	1.001	0.964	1.006	1.000			
6/30/2012	1.050	1.011	0.992	0.978	1.024	0.983	0.975				
6/30/2013	1.015	1.099	0.916	1.000	1.000	1.000					
6/30/2014	1.000	1.045	1.115	1.022	0.970						
6/30/2015	1.053	0.957	1.079	0.987							
6/30/2016	1.075	1.078	0.944								
6/30/2017	1.115	0.987									
6/30/2018	1.130										
3 Yr Mean	1.107	1.007	1.046	1.003	0.998	0.982	0.994	1.000	1.000	1.000	1.000
Best 3/5	1.081	1.037	1.005	0.997	0.990	0.984	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
6/30/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2004	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000					
6/30/2006	1.000	1.000						
6/30/2007	1.000							
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.990	0.984	1.000	1.000	1.000	1.000	1.000
6/30/2016				0.997	0.990	0.984	1.000	1.000	1.000	1.000	1.000
6/30/2017			1.005	0.997	0.990	0.984	1.000	1.000	1.000	1.000	1.000
6/30/2018		1.037	1.005	0.997	0.990	0.984	1.000	1.000	1.000	1.000	1.000
6/30/2019	1.081	1.037	1.005	0.997	0.990	0.984	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
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.974
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.971
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.976
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.012
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.094

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

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MICHIGAN
PROPERTY DAMAGE - 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
6/30/2000	118,106	320,510	472,140	667,463	678,720	694,444	761,537	777,038	779,131	779,131	779,131
6/30/2001	270,601	237,323	526,303	800,482	1,027,170	1,207,771	1,376,355	1,386,835	1,386,106	1,386,106	1,386,106
6/30/2002	119,329	197,790	293,053	339,217	351,075	356,557	401,004	376,891	376,891	376,891	376,891
6/30/2003	436,235	539,813	649,271	701,780	734,359	788,167	754,612	790,871	787,978	796,378	796,378
6/30/2004	209,789	476,769	700,088	948,346	1,215,348	1,179,261	1,173,176	1,173,546	1,173,176	1,173,176	1,173,176
6/30/2005	248,226	346,587	563,342	555,163	548,835	572,426	573,510	573,636	573,636	573,656	573,656
6/30/2006	550,364	539,524	711,939	769,366	881,795	902,095	924,142	931,871	948,509	988,155	993,931
6/30/2007	242,809	525,295	716,130	698,684	668,992	443,621	443,621	443,621	443,621	443,621	443,621
6/30/2008	238,677	669,553	951,915	1,064,423	1,253,598	1,262,952	1,323,610	1,324,708	1,324,708	1,324,708	1,324,733
6/30/2009	250,838	409,727	641,873	670,328	810,885	817,331	778,992	778,992	778,992	779,017	779,042
6/30/2010	715,024	555,516	446,580	752,576	804,953	516,281	516,863	517,013	517,013	517,013	
6/30/2011	110,620	193,963	256,326	258,662	361,064	366,682	434,686	435,555	435,555		
6/30/2012	250,332	452,919	599,097	645,945	683,002	730,553	761,173	771,425			
6/30/2013	102,286	263,065	396,734	426,319	426,319	426,319	426,319				
6/30/2014	171,452	123,107	137,681	155,363	165,683	232,051					
6/30/2015	280,093	371,764	316,533	334,510	451,495						
6/30/2016	89,565	583,574	321,899	355,881							
6/30/2017	388,783	362,982	340,008								
6/30/2018	139,856	319,391									
6/30/2019	334,064										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	779,131	779,131	779,131	779,131	779,131	779,131	779,131	779,131	779,131
6/30/2001	1,386,106	1,386,106	1,386,106	1,386,106	1,386,106	1,386,106	1,386,106	1,386,106	
6/30/2002	376,891	376,891	376,891	376,891	376,891	376,891	376,891		
6/30/2003	796,378	796,378	796,378	796,378	796,378	796,378			
6/30/2004	1,173,176	1,173,176	1,173,176	1,173,176	1,173,176				
6/30/2005	573,656	573,656	573,656	573,656					
6/30/2006	1,012,680	1,012,680	1,012,680						
6/30/2007	443,621	448,734							
6/30/2008	1,324,758								

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

Increments

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	202,404	151,630	195,323	11,257	15,724	67,093	15,501	2,093	0	0	0	0	0
6/30/2001	-33,278	288,980	274,179	226,688	180,601	168,584	10,480	-729	0	0	0	0	0
6/30/2002	78,461	95,263	46,164	11,858	5,482	44,447	-24,113	0	0	0	0	0	0
6/30/2003	103,578	109,458	52,509	32,579	53,808	-33,555	36,259	-2,893	8,400	0	0	0	0
6/30/2004	266,980	223,319	248,258	267,002	-36,087	-6,085	370	-370	0	0	0	0	0
6/30/2005	98,361	216,755	-8,179	-6,328	23,591	1,084	126	0	20	0	0	0	0
6/30/2006	-10,840	172,415	57,427	112,429	20,300	22,047	7,729	16,638	39,646	5,776	18,749	0	0
6/30/2007	282,486	190,835	-17,446	-29,692	-225,371	0	0	0	0	0	0	5,113	
6/30/2008	430,876	282,362	112,508	189,175	9,354	60,658	1,098	0	0	25	25		
6/30/2009	158,889	232,146	28,455	140,557	6,446	-38,339	0	0	25	25			
6/30/2010	-159,508	-108,936	305,996	52,377	-288,672	582	150	0	0				
6/30/2011	83,343	62,363	2,336	102,402	5,618	68,004	869	0					
6/30/2012	202,587	146,178	46,848	37,057	47,551	30,620	10,252						
6/30/2013	160,779	133,669	29,585	0	0	0							
6/30/2014	-48,345	14,574	17,682	10,320	66,368								
6/30/2015	91,671	-55,231	17,977	116,985									
6/30/2016	494,009	-261,675	33,982										
6/30/2017	-25,801	-22,974											
6/30/2018	179,535												

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0446	0.0334	0.0430	0.0025	0.0035	0.0148	0.0034	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2001	-0.0064	0.0557	0.0528	0.0437	0.0348	0.0325	0.0020	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2002	0.0245	0.0297	0.0144	0.0037	0.0017	0.0139	-0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2003	0.0213	0.0225	0.0108	0.0067	0.0111	-0.0069	0.0075	-0.0006	0.0017	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.0532	0.0445	0.0495	0.0532	-0.0072	-0.0012	0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0216	0.0477	-0.0018	-0.0014	0.0052	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	-0.0032	0.0513	0.0171	0.0335	0.0060	0.0066	0.0023	0.0050	0.0118	0.0017	0.0056	0.0000	0.0000
6/30/2007	0.0662	0.0447	-0.0041	-0.0070	-0.0528	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	
6/30/2008	0.0858	0.0562	0.0224	0.0377	0.0019	0.0121	0.0002	0.0000	0.0000	0.0000	0.0000		
6/30/2009	0.0393	0.0574	0.0070	0.0347	0.0016	-0.0095	0.0000	0.0000	0.0000	0.0000			
6/30/2010	-0.0542	-0.0370	0.1040	0.0178	-0.0981	0.0002	0.0001	0.0000	0.0000				
6/30/2011	0.0288	0.0215	0.0008	0.0354	0.0019	0.0235	0.0003	0.0000					
6/30/2012	0.0440	0.0317	0.0102	0.0080	0.0103	0.0066	0.0022						
6/30/2013	0.0730	0.0607	0.0134	0.0000	0.0000	0.0000							
6/30/2014	-0.0162	0.0049	0.0059	0.0035	0.0222								
6/30/2015	0.0215	-0.0129	0.0042	0.0274									
6/30/2016	0.1257	-0.0666	0.0086										
6/30/2017	-0.0067	-0.0060											
6/30/2018	0.0417												
Best 3/5	0.0188	-0.0047	0.0082	0.0130	0.0041	0.0023	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	6,343,102	8,998,138	10,441,124	10,436,102	9,962,093	9,901,938	9,811,078	9,930,369	9,930,078	9,886,448	9,876,448
6/30/2001	7,226,974	9,179,822	9,143,524	9,602,289	9,756,722	9,714,049	9,954,549	9,781,548	9,735,548	9,635,548	9,635,548
6/30/2002	6,183,037	7,064,387	7,384,823	7,274,464	7,272,208	7,187,247	7,272,960	7,265,899	7,264,399	7,264,399	7,264,399
6/30/2003	5,558,946	6,862,143	7,423,387	7,477,453	7,119,017	7,145,056	7,070,057	6,981,356	6,953,205	6,853,205	6,853,205
6/30/2004	6,021,821	6,765,998	7,007,698	6,793,731	6,598,370	6,504,480	6,432,980	6,435,340	6,458,102	6,458,102	6,458,102
6/30/2005	6,841,249	7,860,188	7,218,027	7,220,004	6,719,335	6,546,585	6,446,586	6,451,535	6,451,535	6,451,535	6,451,535
6/30/2006	7,083,018	7,735,049	8,067,521	8,134,543	7,220,595	7,104,270	7,001,488	7,028,354	7,029,354	7,019,048	7,019,048
6/30/2007	6,468,945	7,222,590	7,358,508	7,636,326	7,684,281	7,374,518	7,421,343	7,590,450	7,517,419	7,510,085	7,510,085
6/30/2008	9,004,115	9,351,655	9,655,642	9,177,667	8,358,231	7,968,752	7,917,591	7,930,091	7,925,091	7,925,091	7,925,091
6/30/2009	8,767,901	9,720,637	10,297,587	10,434,016	9,585,521	9,463,090	9,491,990	9,317,990	9,317,990	9,317,990	9,317,990
6/30/2010	8,876,878	10,345,905	10,298,932	9,771,315	9,601,087	9,540,113	9,544,113	9,444,113	9,344,113	9,344,113	
6/30/2011	8,785,131	9,525,121	9,672,102	8,964,101	8,191,381	8,126,134	8,126,134	8,126,002	8,123,502		
6/30/2012	5,170,113	5,951,287	5,816,607	5,896,887	5,578,830	5,559,667	5,552,911	5,494,503			
6/30/2013	5,596,256	5,326,119	5,702,539	5,950,314	5,781,761	5,696,707	5,696,685				
6/30/2014	6,801,382	7,742,610	7,248,655	7,605,149	7,334,839	7,306,356					
6/30/2015	4,983,251	5,548,663	6,413,836	6,276,017	5,980,778						
6/30/2016	4,048,239	5,884,941	6,032,332	6,668,788							
6/30/2017	5,088,556	6,080,880	6,189,712								
6/30/2018	6,222,144	7,082,079									
6/30/2019	6,178,246										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	9,976,448	9,879,448	9,879,448	9,779,448	9,779,448	9,779,448	9,779,448	9,779,448	9,779,448
6/30/2001	9,635,548	9,635,548	9,635,548	9,635,548	9,635,548	9,635,548	9,635,548	9,635,548	
6/30/2002	7,264,399	7,264,399	7,264,399	7,264,399	7,264,399	7,264,399	7,264,399		
6/30/2003	6,853,205	6,853,205	6,853,205	6,853,205	6,853,205	6,853,205			
6/30/2004	6,533,740	6,458,102	6,458,102	6,458,102	6,458,102				
6/30/2005	6,451,535	6,451,535	6,451,535	6,451,535					
6/30/2006	7,019,048	7,019,048	7,019,048						
6/30/2007	7,510,085	7,510,085							
6/30/2008	7,825,091								

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

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.419	1.160	1.000	0.955	0.994	0.991	1.012	1.000	0.996	0.999	1.010
6/30/2001	1.270	0.996	1.050	1.016	0.996	1.025	0.983	0.995	0.990	1.000	1.000
6/30/2002	1.143	1.045	0.985	1.000	0.988	1.012	0.999	1.000	1.000	1.000	1.000
6/30/2003	1.234	1.082	1.007	0.952	1.004	0.990	0.987	0.996	0.986	1.000	1.000
6/30/2004	1.124	1.036	0.969	0.971	0.986	0.989	1.000	1.004	1.000	1.000	1.012
6/30/2005	1.149	0.918	1.000	0.931	0.974	0.985	1.001	1.000	1.000	1.000	1.000
6/30/2006	1.092	1.043	1.008	0.888	0.984	0.986	1.004	1.000	0.999	1.000	1.000
6/30/2007	1.117	1.019	1.038	1.006	0.960	1.006	1.023	0.990	0.999	1.000	1.000
6/30/2008	1.039	1.033	0.950	0.911	0.953	0.994	1.002	0.999	1.000	1.000	0.987
6/30/2009	1.109	1.059	1.013	0.919	0.987	1.003	0.982	1.000	1.000	1.000	
6/30/2010	1.165	0.995	0.949	0.983	0.994	1.000	0.990	0.989	1.000		
6/30/2011	1.084	1.015	0.927	0.914	0.992	1.000	1.000	1.000			
6/30/2012	1.151	0.977	1.014	0.946	0.997	0.999	0.989				
6/30/2013	0.952	1.071	1.043	0.972	0.985	1.000					
6/30/2014	1.138	0.936	1.049	0.964	0.996						
6/30/2015	1.113	1.156	0.979	0.953							
6/30/2016	1.454	1.025	1.106								
6/30/2017	1.195	1.018									
6/30/2018	1.138										
3 Yr Mean	1.262	1.066	1.045	0.963	0.993	1.000	0.993	0.996	1.000	1.000	0.996
Best 3/5	1.157	1.038	1.035	0.954	0.994	1.000	0.993	0.996	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	0.990	1.000	0.990	1.000	1.000	1.000	1.000	1.000
6/30/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
6/30/2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
6/30/2003	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
6/30/2004	0.988	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
6/30/2005	1.000	1.000	1.000					
6/30/2006	1.000	1.000						
6/30/2007	1.000							
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.994	1.000	0.993	0.996	1.000	1.000	1.000
6/30/2016				0.954	0.994	1.000	0.993	0.996	1.000	1.000	1.000
6/30/2017			1.035	0.954	0.994	1.000	0.993	0.996	1.000	1.000	1.000
6/30/2018		1.038	1.035	0.954	0.994	1.000	0.993	0.996	1.000	1.000	1.000
6/30/2019	1.157	1.038	1.035	0.954	0.994	1.000	0.993	0.996	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.983
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.938
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.971
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.008
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.166

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

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MICHIGAN
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
6/30/2000	1,000,318	1,795,540	2,513,019	2,575,624	2,710,257	2,863,206	2,784,949	2,803,392	2,767,401	2,759,092	2,754,592
6/30/2001	981,715	1,928,540	2,425,522	2,988,481	3,503,923	3,824,979	5,062,851	5,069,328	5,073,014	4,980,094	4,921,357
6/30/2002	1,400,311	1,407,546	2,141,060	2,403,943	2,743,935	2,829,447	3,010,563	3,014,667	2,981,102	2,922,455	2,923,999
6/30/2003	944,450	1,583,188	2,485,702	3,122,651	3,145,535	3,173,130	3,149,537	3,151,103	3,152,543	3,152,543	3,152,543
6/30/2004	723,989	1,250,022	2,331,952	2,593,863	2,634,667	2,648,209	2,661,376	2,661,423	2,661,369	2,661,369	2,661,369
6/30/2005	720,852	2,177,996	3,003,156	3,714,747	3,748,029	3,817,385	3,621,119	3,612,452	3,612,452	3,621,272	3,621,272
6/30/2006	582,344	1,332,860	2,081,281	2,496,266	2,674,023	2,747,104	2,741,157	2,741,157	2,749,400	2,760,360	2,760,360
6/30/2007	570,639	1,321,603	2,023,164	2,842,944	3,009,219	3,126,825	3,227,904	3,295,736	3,232,988	3,233,205	3,233,205
6/30/2008	349,679	1,171,353	2,624,846	3,149,239	3,540,921	3,564,818	3,506,179	3,545,406	3,551,997	3,552,273	3,554,718
6/30/2009	693,812	1,699,358	3,409,937	3,981,450	4,384,906	4,404,039	4,411,668	4,370,249	4,371,819	4,387,950	4,397,398
6/30/2010	904,345	2,390,272	3,296,185	4,121,127	4,377,147	4,406,837	4,425,028	4,381,701	4,394,251	4,395,301	
6/30/2011	1,070,923	2,051,822	3,158,925	3,643,287	3,913,293	3,988,453	4,010,922	4,025,646	4,046,859		
6/30/2012	984,373	2,066,815	2,767,456	3,205,551	3,422,713	3,498,335	3,486,240	3,496,353			
6/30/2013	781,202	1,588,369	2,082,236	2,746,196	2,797,254	2,883,764	2,883,738				
6/30/2014	1,047,675	2,108,555	2,833,337	3,248,028	3,385,679	3,400,617					
6/30/2015	696,749	1,437,385	2,179,749	2,826,307	2,834,569						
6/30/2016	496,437	1,798,146	2,104,125	2,763,410							
6/30/2017	717,435	1,334,080	1,751,359								
6/30/2018	777,046	1,536,514									
6/30/2019	622,125										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	2,762,547	2,755,764	2,755,764	2,718,257	2,718,257	2,718,257	2,718,257	2,718,257	2,718,257
6/30/2001	4,922,267	4,920,191	4,921,657	4,895,142	4,895,142	4,895,142	4,895,142	4,895,142	
6/30/2002	2,921,923	2,923,389	2,896,874	2,896,874	2,896,874	2,896,874	2,896,874		
6/30/2003	3,153,101	3,153,101	3,153,101	3,153,101	3,153,101	3,153,101			
6/30/2004	2,661,369	2,661,294	2,661,294	2,661,294	2,661,294				
6/30/2005	3,621,272	3,621,272	3,621,272	3,621,272					
6/30/2006	2,760,360	2,760,360	2,760,360						
6/30/2007	3,233,205	3,233,205							
6/30/2008	3,554,718								

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

Increments

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	795,222	717,479	62,605	134,633	152,949	-78,257	18,443	-35,991	-8,309	-4,500	7,955	-6,783	0
6/30/2001	946,825	496,982	562,959	515,442	321,056	1,237,872	6,477	3,686	-92,920	-58,737	910	-2,076	1,466
6/30/2002	7,235	733,514	262,883	339,992	85,512	181,116	4,104	-33,565	-58,647	1,544	-2,076	1,466	-26,515
6/30/2003	638,738	902,514	636,949	22,884	27,595	-23,593	1,566	1,440	0	0	558	0	0
6/30/2004	526,033	1,081,930	261,911	40,804	13,542	13,167	47	-54	0	0	0	-75	0
6/30/2005	1,457,144	825,160	711,591	33,282	69,356	-196,266	-8,667	0	8,820	0	0	0	0
6/30/2006	750,516	748,421	414,985	177,757	73,081	-5,947	0	8,243	10,960	0	0	0	0
6/30/2007	750,964	701,561	819,780	166,275	117,606	101,079	67,832	-62,748	217	0	0	0	
6/30/2008	821,674	1,453,493	524,393	391,682	23,897	-58,639	39,227	6,591	276	2,445	0		
6/30/2009	1,005,546	1,710,579	571,513	403,456	19,133	7,629	-41,419	1,570	16,131	9,448			
6/30/2010	1,485,927	905,913	824,942	256,020	29,690	18,191	-43,327	12,550	1,050				
6/30/2011	980,899	1,107,103	484,362	270,006	75,160	22,469	14,724	21,213					
6/30/2012	1,082,442	700,641	438,095	217,162	75,622	-12,095	10,113						
6/30/2013	807,167	493,867	663,960	51,058	86,510	-26							
6/30/2014	1,060,880	724,782	414,691	137,651	14,938								
6/30/2015	740,636	742,364	646,558	8,262									
6/30/2016	1,301,709	305,979	659,285										
6/30/2017	616,645	417,279											
6/30/2018	759,468												

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0604	0.0545	0.0048	0.0102	0.0116	-0.0059	0.0014	-0.0027	-0.0006	-0.0003	0.0006	-0.0005	0.0000
6/30/2001	0.0665	0.0349	0.0395	0.0362	0.0225	0.0869	0.0005	0.0003	-0.0065	-0.0041	0.0001	-0.0001	0.0001
6/30/2002	0.0007	0.0707	0.0253	0.0328	0.0082	0.0174	0.0004	-0.0032	-0.0056	0.0001	-0.0002	0.0001	-0.0026
6/30/2003	0.0677	0.0956	0.0675	0.0024	0.0029	-0.0025	0.0002	0.0002	0.0000	0.0000	0.0001	0.0000	0.0000
6/30/2004	0.0593	0.1219	0.0295	0.0046	0.0015	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.1527	0.0865	0.0746	0.0035	0.0073	-0.0206	-0.0009	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.0853	0.0851	0.0472	0.0202	0.0083	-0.0007	0.0000	0.0009	0.0012	0.0000	0.0000	0.0000	0.0000
6/30/2007	0.0689	0.0644	0.0752	0.0153	0.0108	0.0093	0.0062	-0.0058	0.0000	0.0000	0.0000	0.0000	
6/30/2008	0.0829	0.1466	0.0529	0.0395	0.0024	-0.0059	0.0040	0.0007	0.0000	0.0002	0.0000		
6/30/2009	0.0808	0.1374	0.0459	0.0324	0.0015	0.0006	-0.0033	0.0001	0.0013	0.0008			
6/30/2010	0.1048	0.0639	0.0582	0.0180	0.0021	0.0013	-0.0031	0.0009	0.0001				
6/30/2011	0.0864	0.0975	0.0426	0.0238	0.0066	0.0020	0.0013	0.0019					
6/30/2012	0.1382	0.0895	0.0559	0.0277	0.0097	-0.0015	0.0013						
6/30/2013	0.1008	0.0617	0.0830	0.0064	0.0108	0.0000							
6/30/2014	0.1031	0.0704	0.0403	0.0134	0.0015								
6/30/2015	0.0859	0.0861	0.0750	0.0010									
6/30/2016	0.1323	0.0311	0.0670										
6/30/2017	0.0739	0.0500											
6/30/2018	0.0689												
Best 3/5	0.0876	0.0607	0.0660	0.0145	0.0061	0.0006	-0.0002	0.0006	0.0004	0.0001	0.0000	0.0000	0.0000

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
6/30/2000	856,137	1,273,391	995,782	1,158,932	1,099,882	1,076,059	1,097,278	1,117,778	1,080,278	1,080,278	1,055,278
6/30/2001	1,025,548	800,607	947,310	1,108,054	1,108,187	1,041,187	1,041,187	1,041,187	1,000,187	1,040,187	1,040,187
6/30/2002	747,986	860,619	812,950	921,225	910,893	900,393	897,893	897,893	897,893	897,893	897,893
6/30/2003	622,370	581,280	626,050	707,924	825,967	803,564	803,564	803,564	803,564	803,564	803,564
6/30/2004	701,012	625,735	548,534	592,790	605,289	545,289	535,289	535,289	535,289	535,289	535,289
6/30/2005	414,061	556,701	658,484	634,866	637,966	640,616	640,616	640,616	640,616	640,616	640,616
6/30/2006	407,141	496,025	588,425	563,423	563,423	550,923	550,923	535,923	535,923	535,923	535,923
6/30/2007	876,186	1,043,654	1,009,067	978,686	978,686	971,186	971,186	971,186	1,010,699	1,071,186	1,071,186
6/30/2008	872,141	905,725	856,402	862,700	862,698	955,198	955,198	955,198	955,198	955,198	955,198
6/30/2009	660,196	807,701	744,117	786,426	879,426	908,485	909,426	909,426	909,426	909,426	872,612
6/30/2010	484,203	601,680	652,210	619,590	676,302	683,801	683,801	663,801	664,801	663,801	
6/30/2011	656,996	843,452	828,550	765,285	724,199	724,199	724,199	724,199	724,436		
6/30/2012	449,318	515,776	569,997	681,216	691,117	666,497	666,497	666,497			
6/30/2013	493,061	517,437	489,384	466,708	421,144	411,144	453,152				
6/30/2014	525,068	426,576	548,627	510,057	457,828	499,827					
6/30/2015	650,197	478,630	478,879	493,944	549,380						
6/30/2016	580,587	676,357	803,494	762,262							
6/30/2017	572,731	659,565	610,775								
6/30/2018	492,849	705,967									
6/30/2019	978,046										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	1,055,278	1,055,278	1,055,278	1,055,278	1,055,278	1,055,278	1,055,278	1,055,278	1,055,278
6/30/2001	1,036,313	1,036,313	1,036,313	1,036,313	1,036,313	1,036,313	1,036,313	1,036,313	
6/30/2002	897,893	897,893	897,893	897,893	897,893	897,893	897,893		
6/30/2003	803,564	803,564	803,564	803,564	803,564	804,259			
6/30/2004	535,289	535,289	535,289	535,289	535,292				
6/30/2005	640,616	640,616	640,616	640,616					
6/30/2006	542,923	542,923	543,581						
6/30/2007	1,071,186	1,071,310							
6/30/2008	955,198								

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MICHIGAN
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.487	0.782	1.164	0.949	0.978	1.020	1.019	0.966	1.000	0.977	1.000
6/30/2001	0.781	1.183	1.170	1.000	0.940	1.000	1.000	0.961	1.040	1.000	0.996
6/30/2002	1.151	0.945	1.133	0.989	0.988	0.997	1.000	1.000	1.000	1.000	1.000
6/30/2003	0.934	1.077	1.131	1.167	0.973	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2004	0.893	0.877	1.081	1.021	0.901	0.982	1.000	1.000	1.000	1.000	1.000
6/30/2005	1.344	1.183	0.964	1.005	1.004	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2006	1.218	1.186	0.958	1.000	0.978	1.000	0.973	1.000	1.000	1.000	1.013
6/30/2007	1.191	0.967	0.970	1.000	0.992	1.000	1.000	1.041	1.060	1.000	1.000
6/30/2008	1.039	0.946	1.007	1.000	1.107	1.000	1.000	1.000	1.000	1.000	1.000
6/30/2009	1.223	0.921	1.057	1.118	1.033	1.001	1.000	1.000	1.000	0.960	
6/30/2010	1.243	1.084	0.950	1.092	1.011	1.000	0.971	1.002	0.998		
6/30/2011	1.284	0.982	0.924	0.946	1.000	1.000	1.000	1.000			
6/30/2012	1.148	1.105	1.195	1.015	0.964	1.000	1.000				
6/30/2013	1.049	0.946	0.954	0.902	0.976	1.102					
6/30/2014	0.812	1.286	0.930	0.898	1.092						
6/30/2015	0.736	1.001	1.031	1.112							
6/30/2016	1.165	1.188	0.949								
6/30/2017	1.152	0.926									
6/30/2018	1.432										
3 Yr Mean	1.250	1.038	0.970	0.971	1.011	1.034	0.990	1.001	0.999	0.987	1.004
Best 3/5	1.043	1.045	0.978	0.954	0.996	1.000	1.000	1.001	1.000	1.000	1.000

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
6/30/2015					0.996	1.000	1.000	1.001	1.000	1.000	1.000
6/30/2016				0.954	0.996	1.000	1.000	1.001	1.000	1.000	1.000
6/30/2017			0.978	0.954	0.996	1.000	1.000	1.001	1.000	1.000	1.000
6/30/2018		1.045	0.978	0.954	0.996	1.000	1.000	1.001	1.000	1.000	1.000
6/30/2019	1.043	1.045	0.978	0.954	0.996	1.000	1.000	1.001	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
6/30/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.997
6/30/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.951
6/30/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.930
6/30/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.972
6/30/2019	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.014

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

PREMISES/OPERATIONS (Subline Code 334)
OWNERS, LANDLORDS AND TENANTS
FULL COVERAGE
MICHIGAN
PROPERTY DAMAGE - 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
6/30/2000	36,593	161,406	223,153	288,806	258,496	259,841	259,841	265,963	266,498	269,448	270,622
6/30/2001	140,975	197,784	307,920	499,963	515,290	474,735	475,238	475,239	469,415	469,415	469,415
6/30/2002	20,453	138,228	242,589	273,694	314,151	315,416	316,013	317,237	317,237	317,237	317,365
6/30/2003	31,478	45,499	70,169	125,854	143,336	148,993	150,217	150,217	150,217	150,217	150,217
6/30/2004	70,923	271,731	145,726	189,156	202,740	205,727	205,727	205,727	205,727	205,727	205,727
6/30/2005	25,803	61,644	254,181	247,867	260,668	309,977	312,045	312,045	312,045	312,045	312,045
6/30/2006	39,773	130,207	201,091	282,000	301,228	306,915	314,706	315,451	323,841	325,664	326,055
6/30/2007	154,579	250,304	220,396	217,862	243,032	245,786	245,786	245,786	288,272	334,096	337,009
6/30/2008	81,008	443,974	856,559	1,106,070	1,288,542	1,429,505	1,495,883	1,495,883	1,495,883	1,495,883	1,495,883
6/30/2009	73,463	178,983	249,294	287,126	335,372	363,426	348,437	348,437	348,437	348,437	342,508
6/30/2010	41,916	191,305	247,954	256,788	288,899	338,949	338,949	340,830	340,830	342,091	
6/30/2011	38,147	147,547	270,985	522,772	886,735	890,523	890,523	890,523	890,523		
6/30/2012	31,263	118,943	282,566	407,951	407,391	407,391	407,391	407,391			
6/30/2013	58,336	91,452	86,337	94,014	112,688	151,676	152,215				
6/30/2014	74,421	53,527	77,088	70,116	109,103	109,641					
6/30/2015	114,474	228,757	394,305	478,729	506,159						
6/30/2016	34,888	184,539	471,509	482,016							
6/30/2017	144,350	388,300	130,347								
6/30/2018	123,391	182,737									
6/30/2019	85,420										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	272,254	272,468	272,468	272,468	272,468	272,468	272,468	272,468	272,468
6/30/2001	464,103	464,103	464,103	464,103	464,103	464,103	464,103	464,103	
6/30/2002	325,737	325,737	325,737	325,737	325,737	325,737	325,737		
6/30/2003	150,217	150,217	150,217	150,217	150,217	150,217			
6/30/2004	205,727	205,727	205,727	205,727	205,727				
6/30/2005	312,045	312,045	312,045	312,045					
6/30/2006	322,492	322,492	322,492						
6/30/2007	337,009	337,009							
6/30/2008	1,495,883								

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

Increments

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	124,813	61,747	65,653	-30,310	1,345	0	6,122	535	2,950	1,174	1,632	214	0
6/30/2001	56,809	110,136	192,043	15,327	-40,555	503	1	-5,824	0	0	-5,312	0	0
6/30/2002	117,775	104,361	31,105	40,457	1,265	597	1,224	0	0	128	8,372	0	0
6/30/2003	14,021	24,670	55,685	17,482	5,657	1,224	0	0	0	0	0	0	0
6/30/2004	200,808	-126,005	43,430	13,584	2,987	0	0	0	0	0	0	0	0
6/30/2005	35,841	192,537	-6,314	12,801	49,309	2,068	0	0	0	0	0	0	0
6/30/2006	90,434	70,884	80,909	19,228	5,687	7,791	745	8,390	1,823	391	-3,563	0	0
6/30/2007	95,725	-29,908	-2,534	25,170	2,754	0	0	42,486	45,824	2,913	0	0	
6/30/2008	362,966	412,585	249,511	182,472	140,963	66,378	0	0	0	0	0		
6/30/2009	105,520	70,311	37,832	48,246	28,054	-14,989	0	0	0	-5,929			
6/30/2010	149,389	56,649	8,834	32,111	50,050	0	1,881	0	1,261				
6/30/2011	109,400	123,438	251,787	363,963	3,788	0	0	0					
6/30/2012	87,680	163,623	125,385	-560	0	0	0						
6/30/2013	33,116	-5,115	7,677	18,674	38,988	539							
6/30/2014	-20,894	23,561	-6,972	38,987	538								
6/30/2015	114,283	165,548	84,424	27,430									
6/30/2016	149,651	286,970	10,507										
6/30/2017	243,950	-257,953											
6/30/2018	59,346												

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.1183	0.0585	0.0622	-0.0287	0.0013	0.0000	0.0058	0.0005	0.0028	0.0011	0.0015	0.0002	0.0000
6/30/2001	0.0494	0.0958	0.1670	0.0133	-0.0353	0.0004	0.0000	-0.0051	0.0000	0.0000	-0.0046	0.0000	0.0000
6/30/2002	0.1161	0.1029	0.0307	0.0399	0.0012	0.0006	0.0012	0.0000	0.0000	0.0001	0.0083	0.0000	0.0000
6/30/2003	0.0128	0.0225	0.0508	0.0159	0.0052	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2004	0.3733	-0.2342	0.0807	0.0253	0.0056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2005	0.0527	0.2832	-0.0093	0.0188	0.0725	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/30/2006	0.1649	0.1292	0.1475	0.0351	0.0104	0.0142	0.0014	0.0153	0.0033	0.0007	-0.0065	0.0000	0.0000
6/30/2007	0.0729	-0.0228	-0.0019	0.0192	0.0021	0.0000	0.0000	0.0324	0.0349	0.0022	0.0000	0.0000	
6/30/2008	0.3114	0.3540	0.2141	0.1566	0.1209	0.0570	0.0000	0.0000	0.0000	0.0000	0.0000		
6/30/2009	0.0744	0.0496	0.0267	0.0340	0.0198	-0.0106	0.0000	0.0000	0.0000	-0.0042			
6/30/2010	0.1653	0.0627	0.0098	0.0355	0.0554	0.0000	0.0021	0.0000	0.0014				
6/30/2011	0.0890	0.1004	0.2049	0.2962	0.0031	0.0000	0.0000	0.0000					
6/30/2012	0.1128	0.2105	0.1613	-0.0007	0.0000	0.0000	0.0000						
6/30/2013	0.0714	-0.0110	0.0166	0.0403	0.0841	0.0012							
6/30/2014	-0.0324	0.0365	-0.0108	0.0604	0.0008								
6/30/2015	0.2002	0.2900	0.1479	0.0481									
6/30/2016	0.1362	0.2613	0.0096										
6/30/2017	0.1994	-0.2109											
6/30/2018	0.0472												

| Best 3/5 | 0.1276 | 0.0956 | 0.0580 | 0.0496 | 0.0198 | 0.0000 | 0.0000 | 0.0000 | 0.0016 | 0.0002 | 0.0000 | 0.0000 | 0.0000 |

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

$100,000 Basic Limit Losses as of:

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

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

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

Link Ratios

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

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

Development From

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

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

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

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

$100,000 Basic Limit Losses as of:

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

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	14,101,933	14,192,333	14,174,834	14,179,829	14,174,829	14,081,329	14,081,329	14,118,829	14,081,330
6/30/2001	15,121,324	15,341,604	15,364,508	15,325,308	15,322,807	15,325,807	15,328,308	15,425,308	
6/30/2002	15,840,417	15,884,346	15,980,006	16,094,407	15,955,735	16,003,235	16,000,235		
6/30/2003	15,874,835	15,931,302	15,927,133	15,878,132	15,935,632	15,935,632			
6/30/2004	16,455,910	16,519,410	16,519,410	16,617,000	16,617,000				
6/30/2005	15,860,795	15,635,162	15,712,662	15,712,662					
6/30/2006	19,373,011	19,397,709	19,397,710						
6/30/2007	19,993,916	19,989,865							
6/30/2008	20,795,571								

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

Link Ratios

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

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

Development From

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

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

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

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

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

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

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

Increments

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

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0445	0.0757	0.0777	0.0494	0.0182	0.0273	0.0049	-0.0070	0.0106	-0.0098	0.0007	0.0006	0.0003
6/30/2001	0.0583	0.0887	0.0809	0.0551	0.0210	0.0100	0.0076	0.0050	0.0029	0.0059	0.0034	0.0002	0.0028
6/30/2002	0.0628	0.0953	0.0932	0.0450	0.0188	0.0288	0.0056	0.0014	0.0046	-0.0001	0.0008	0.0023	0.0015
6/30/2003	0.0669	0.0851	0.0802	0.0390	0.0272	0.0103	0.0079	0.0046	0.0025	0.0002	0.0012	0.0021	0.0004
6/30/2004	0.0563	0.0963	0.0774	0.0380	0.0309	0.0091	0.0067	0.0016	0.0023	0.0010	0.0001	0.0000	0.0002
6/30/2005	0.0692	0.0875	0.0815	0.0461	0.0162	0.0083	0.0052	0.0076	0.0011	0.0012	0.0006	0.0026	0.0006
6/30/2006	0.0682	0.0958	0.0722	0.0515	0.0240	0.0239	0.0110	0.0036	0.0082	0.0008	0.0030	0.0014	0.0041
6/30/2007	0.0661	0.0950	0.0723	0.0367	0.0215	0.0087	0.0055	0.0021	0.0023	0.0004	0.0007	0.0000	
6/30/2008	0.0576	0.1034	0.0777	0.0501	0.0217	0.0187	0.0063	0.0040	0.0025	0.0015	-0.0001		
6/30/2009	0.0583	0.0875	0.0775	0.0435	0.0383	0.0096	0.0048	0.0020	0.0022	0.0041			
6/30/2010	0.0715	0.1159	0.0993	0.0509	0.0228	0.0080	0.0096	0.0034	0.0011				
6/30/2011	0.0805	0.0822	0.0853	0.0424	0.0438	0.0081	0.0050	0.0033					
6/30/2012	0.0669	0.1089	0.0885	0.0518	0.0246	0.0202	0.0048						
6/30/2013	0.0701	0.0996	0.0946	0.0508	0.0260	0.0112							
6/30/2014	0.0639	0.1032	0.0869	0.0407	0.0249								
6/30/2015	0.0613	0.1081	0.0754	0.0376									
6/30/2016	0.0704	0.0946	0.0920										
6/30/2017	0.0656	0.0969											
6/30/2018	0.0655												
Best 3/5	0.0650	0.0999	0.0891	0.0446	0.0252	0.0096	0.0054	0.0029	0.0023	0.0011	0.0005	0.0012	0.0008

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

$100,000 Basic Limit Losses as of:

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

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	135,042,548	134,460,077	134,354,087	134,358,231	134,451,389	134,436,831	134,618,768	134,864,917	135,028,887
6/30/2001	137,921,069	137,846,788	137,993,210	138,039,074	138,150,533	138,314,301	138,567,514	138,697,227	
6/30/2002	114,862,133	115,091,628	115,521,153	116,025,857	116,114,984	115,939,109	116,483,665		
6/30/2003	98,388,268	98,446,522	98,658,658	98,649,807	98,683,986	98,779,275			
6/30/2004	111,026,272	111,148,486	111,578,489	111,780,808	111,814,658				
6/30/2005	108,930,584	109,410,208	109,462,907	109,501,990					
6/30/2006	113,955,874	114,657,351	114,683,094						
6/30/2007	120,456,218	120,515,234							
6/30/2008	128,120,392								

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

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

Development From

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

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

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

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

$100,000 Basic Limit Losses as of:

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

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	28,588,071	28,403,187	28,402,784	28,357,784	28,360,115	28,208,092	28,224,659	28,227,838	28,229,522
6/30/2001	32,263,545	32,436,704	32,545,972	32,554,564	32,454,377	32,503,444	32,516,722	32,528,767	
6/30/2002	26,539,135	26,580,664	26,418,748	26,284,831	26,294,995	26,207,234	26,194,214		
6/30/2003	24,786,803	24,727,745	24,681,698	24,768,514	24,727,942	24,735,216			
6/30/2004	26,500,572	26,467,889	26,504,604	26,512,560	26,621,775				
6/30/2005	27,121,437	27,300,316	27,365,808	27,212,795					
6/30/2006	26,880,154	26,803,603	26,817,228						
6/30/2007	27,801,753	27,793,534							
6/30/2008	31,765,718								

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

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

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

Development From

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

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

 * Calculated Using Modified Bondy Method

 @ Three year mean Excludes Modified Bondy ratios

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

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

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

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

Increments

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

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0419	0.0278	0.0430	0.0311	0.0322	0.0194	0.0173	0.0177	0.0074	-0.0010	0.0088	-0.0007	-0.0024
6/30/2001	0.0261	0.0521	0.0595	0.0591	0.0330	0.0283	0.0175	0.0097	0.0050	0.0102	0.0082	-0.0009	-0.0019
6/30/2002	0.0472	0.0418	0.0440	0.0419	0.0316	0.0166	0.0078	0.0092	0.0015	0.0033	0.0045	0.0014	0.0064
6/30/2003	0.0493	0.0538	0.0534	0.0403	0.0071	0.0292	0.0052	0.0088	0.0090	0.0078	0.0068	0.0083	0.0021
6/30/2004	0.0472	0.0555	0.0500	0.0290	0.0203	0.0076	0.0104	0.0084	0.0033	0.0035	0.0031	0.0024	0.0132
6/30/2005	0.0340	0.0410	0.0436	0.0312	0.0196	0.0207	0.0098	0.0082	0.0035	0.0027	-0.0007	0.0055	0.0024
6/30/2006	0.0418	0.0526	0.0410	0.0358	0.0283	0.0160	0.0138	0.0106	0.0080	0.0059	0.0060	0.0040	0.0037
6/30/2007	0.0409	0.0496	0.0435	0.0373	0.0290	0.0147	0.0104	0.0139	0.0059	0.0039	0.0043	0.0033	
6/30/2008	0.0457	0.0517	0.0427	0.0337	0.0113	0.0117	0.0209	0.0104	0.0127	0.0059	0.0055		
6/30/2009	0.0413	0.0452	0.0430	0.0309	0.0140	0.0097	0.0077	0.0078	0.0076	0.0044			
6/30/2010	0.0570	0.0371	0.0452	0.0259	0.0115	0.0191	0.0062	0.0127	0.0051				
6/30/2011	0.0361	0.0489	0.0341	0.0186	0.0150	0.0077	0.0107	0.0095					
6/30/2012	0.0384	0.0382	0.0169	0.0232	0.0160	0.0040	0.0067						
6/30/2013	0.0552	0.0600	0.0537	0.0399	0.0243	0.0124							
6/30/2014	0.0549	0.0578	0.0365	0.0386	0.0228								
6/30/2015	0.0406	0.0494	0.0501	0.0557									
6/30/2016	0.0566	0.0394	0.0365										
6/30/2017	0.0357	0.0398											
6/30/2018	0.0400												
Best 3/5	0.0451	0.0490	0.0410	0.0339	0.0179	0.0099	0.0084	0.0109	0.0072	0.0047	0.0043	0.0043	0.0042

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

$100,000 Basic Limit Losses as of:

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

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	16,811,343	16,809,632	16,797,616	16,841,200	16,822,759	16,820,943	16,814,113	16,814,128	16,814,113
6/30/2001	17,144,098	17,100,152	17,343,088	17,228,088	17,328,088	17,308,079	17,408,063	17,408,063	
6/30/2002	14,520,574	14,459,463	14,448,932	14,479,752	14,467,248	14,467,248	14,467,248		
6/30/2003	11,460,804	11,460,804	11,560,804	11,568,804	11,568,804	11,668,804			
6/30/2004	19,365,888	19,388,540	19,370,888	19,370,891	19,380,888				
6/30/2005	16,599,823	16,538,843	16,533,843	16,533,843					
6/30/2006	17,013,392	16,999,226	17,001,574						
6/30/2007	15,099,813	15,099,813							
6/30/2008	11,702,849								

PREMISES/OPERATIONS (Subline Code 334)
MANUFACTURERS AND CONTRACTORS
FULL COVERAGE
MULTISTATE
FRINGE COVERAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
Link Ratios

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

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

Development From

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

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

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

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

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

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

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

Increments

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

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.1025	0.1149	0.1074	0.0348	0.0493	0.0263	0.0227	0.0630	0.0365	0.0156	0.0077	0.0006	0.0004
6/30/2001	0.1686	0.1387	0.0928	0.0679	0.0245	0.0238	0.0244	0.0242	0.0090	0.0092	0.0064	0.0080	0.0467
6/30/2002	0.2185	0.1538	0.0564	0.0598	0.0536	0.0071	0.0135	0.0053	0.0062	0.0026	0.0024	0.0017	0.0060
6/30/2003	0.1365	0.1087	0.1586	0.0458	0.0413	0.0103	0.0276	0.0176	0.0037	0.0024	0.0073	-0.0004	0.0000
6/30/2004	0.1094	0.1485	0.1867	0.2528	0.1127	-0.1338	-0.0017	0.0328	-0.0011	0.0482	-0.0092	0.0033	0.0207
6/30/2005	0.0952	0.2409	0.0910	0.0878	0.0372	0.0108	0.0066	0.0162	0.0484	0.0005	0.0025	0.0006	0.0003
6/30/2006	0.1043	0.1871	0.1718	0.0700	0.0502	0.0204	0.0047	0.0134	-0.0050	0.0075	0.0018	0.0000	0.0001
6/30/2007	0.0928	0.1066	0.0783	0.0635	0.0382	0.0124	0.0304	0.0026	0.0012	-0.0015	0.0000	0.0000	
6/30/2008	0.1869	0.2835	0.0791	0.0764	0.0613	0.0230	0.0400	0.0138	0.0040	0.0026	-0.0002		
6/30/2009	0.1103	0.2547	0.3031	0.0768	0.0859	0.0740	0.0201	0.0559	0.0361	-0.0102			
6/30/2010	0.1979	0.2304	0.1317	0.1270	0.0183	0.0270	0.0062	0.0227	0.0005				
6/30/2011	0.1507	0.4195	0.2876	0.1849	0.1234	0.1451	-0.0155	0.0157					
6/30/2012	0.2033	0.2716	0.2951	0.0201	0.0891	0.0466	-0.0050						
6/30/2013	0.1659	0.2949	0.1209	0.0778	0.0215	0.0537							
6/30/2014	0.1836	0.2312	0.1110	0.2614	0.0216								
6/30/2015	0.1038	0.1472	0.1510	0.0293									
6/30/2016	0.2065	0.1172	0.1546										
6/30/2017	0.1399	0.1014											
6/30/2018	0.1402												
Best 3/5	0.1546	0.1652	0.1422	0.0973	0.0441	0.0581	0.0071	0.0174	0.0019	0.0005	0.0005	0.0002	0.0021

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

$100,000 Basic Limit Losses as of:

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

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	377,006,618	376,726,118	376,546,965	376,817,471	376,767,018	376,698,866	376,740,446	376,650,625	376,939,948
6/30/2001	354,616,842	354,637,553	355,009,091	355,316,831	355,462,989	355,337,210	355,316,039	355,372,513	
6/30/2002	326,975,412	327,270,867	327,768,761	327,343,975	327,540,529	327,500,561	327,613,294		
6/30/2003	348,859,483	348,961,968	349,092,076	349,059,810	349,058,165	349,419,463			
6/30/2004	362,132,620	362,075,860	362,094,302	361,985,356	362,176,970				
6/30/2005	343,391,641	343,456,591	343,794,109	344,246,746					
6/30/2006	351,508,430	351,266,572	351,669,797						
6/30/2007	373,723,700	374,282,276							
6/30/2008	395,472,953								

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

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.356	1.124	1.017	1.002	0.989	0.985	0.994	0.998	1.000	0.999	1.000
6/30/2001	1.293	1.118	1.052	1.000	0.981	0.996	0.994	0.998	0.997	0.999	1.001
6/30/2002	1.254	1.196	1.039	0.987	0.989	0.991	0.998	0.999	0.998	1.001	0.999
6/30/2003	1.344	1.191	1.016	0.978	0.983	0.995	0.992	0.996	0.999	1.000	1.000
6/30/2004	1.342	1.079	1.015	0.988	0.989	0.994	0.996	0.999	0.998	0.999	1.001
6/30/2005	1.167	1.131	1.012	1.001	0.984	0.994	0.997	0.996	1.002	1.000	1.000
6/30/2006	1.311	1.119	1.031	0.985	0.982	0.991	0.997	0.998	1.000	0.999	0.999
6/30/2007	1.276	1.114	1.014	0.984	0.985	0.993	0.995	0.997	1.000	1.000	1.000
6/30/2008	1.256	1.121	1.013	0.985	0.987	0.994	0.996	1.000	0.998	0.999	1.000
6/30/2009	1.274	1.105	1.001	0.985	0.993	0.991	0.995	0.998	0.999	1.002	
6/30/2010	1.260	1.120	1.006	0.986	0.989	0.993	0.997	0.998	1.000		
6/30/2011	1.263	1.112	1.016	0.983	0.990	0.992	0.996	0.999			
6/30/2012	1.277	1.120	1.001	0.995	0.992	0.997	1.001				
6/30/2013	1.271	1.090	1.017	1.003	0.996	1.000					
6/30/2014	1.273	1.143	1.070	1.000	1.002						
6/30/2015	1.361	1.209	1.059	1.016							
6/30/2016	1.417	1.196	1.076								
6/30/2017	1.421	1.225									
6/30/2018	1.415										
3 Yr Mean	1.418	1.210	1.068	1.006	0.997	0.996	0.998	0.998	0.999	1.000	1.000
Best 3/5	1.398	1.183	1.049	0.999	0.993	0.994	0.996	0.998	1.000	1.000	1.000

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

Development From

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

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

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

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

$100,000 Basic Limit Losses as of:

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

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	15,975,678	15,975,928	16,175,928	16,175,928	16,170,928	16,170,928	16,271,928	16,271,928	16,270,928
6/30/2001	23,931,607	23,936,607	23,936,606	23,836,606	23,836,606	23,936,606	23,936,608	23,937,606	
6/30/2002	20,540,140	20,695,639	20,682,100	20,907,639	20,952,302	20,952,693	20,952,693		
6/30/2003	22,653,991	22,647,623	22,640,930	22,640,930	22,656,930	22,656,930			
6/30/2004	24,756,101	24,778,602	24,828,601	24,828,601	24,828,601				
6/30/2005	20,382,898	20,377,898	20,377,923	20,434,343					
6/30/2006	21,339,282	21,439,282	21,439,282						
6/30/2007	23,120,009	23,120,109							
6/30/2008	23,975,135								

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

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

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

Development From

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

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

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

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

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

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

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

Increments

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

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0615	0.0562	0.0412	0.0202	0.0097	0.0083	0.0035	0.0045	0.0027	0.0001	0.0039	0.0007	-0.0001
6/30/2001	0.0547	0.0590	0.0397	0.0262	0.0208	0.0057	0.0041	0.0028	0.0053	0.0028	-0.0003	0.0019	0.0030
6/30/2002	0.0473	0.0778	0.0437	0.0385	0.0111	0.0109	0.0051	0.0014	0.0032	-0.0001	0.0011	0.0032	0.0010
6/30/2003	0.0614	0.0718	0.0630	0.0285	0.0093	0.0073	0.0030	0.0034	0.0028	0.0002	0.0020	0.0010	0.0010
6/30/2004	0.0641	0.0800	0.0512	0.0165	0.0116	0.0039	0.0030	0.0014	0.0022	0.0017	0.0012	0.0016	0.0007
6/30/2005	0.0684	0.0820	0.0530	0.0247	0.0109	0.0063	0.0054	0.0023	0.0032	0.0010	-0.0003	0.0012	0.0039
6/30/2006	0.0775	0.0771	0.0569	0.0227	0.0138	0.0085	-0.0009	0.0031	0.0027	0.0013	0.0016	0.0002	0.0008
6/30/2007	0.0728	0.0724	0.0576	0.0262	0.0112	0.0044	0.0023	0.0055	0.0015	0.0011	-0.0003	0.0004	
6/30/2008	0.0684	0.0907	0.0636	0.0318	0.0147	0.0064	0.0043	0.0020	-0.0017	0.0013	0.0004		
6/30/2009	0.0703	0.0804	0.0674	0.0255	0.0128	0.0066	0.0057	0.0034	0.0007	0.0100			
6/30/2010	0.0681	0.0852	0.0495	0.0255	0.0152	0.0052	0.0018	0.0043	0.0017				
6/30/2011	0.0737	0.0861	0.0560	0.0251	0.0111	0.0060	0.0024	-0.0005					
6/30/2012	0.0703	0.0863	0.0579	0.0316	0.0138	0.0072	0.0034						
6/30/2013	0.0751	0.0816	0.0656	0.0344	0.0105	0.0038							
6/30/2014	0.0719	0.0825	0.0622	0.0279	0.0150								
6/30/2015	0.0700	0.0823	0.0577	0.0265									
6/30/2016	0.0720	0.0800	0.0529										
6/30/2017	0.0606	0.0780											
6/30/2018	0.0606												
Best 3/5	0.0675	0.0813	0.0593	0.0287	0.0133	0.0059	0.0034	0.0032	0.0013	0.0012	0.0005	0.0009	0.0009

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

$100,000 Basic Limit Losses as of:

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

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	50,141,838	50,115,808	50,253,392	50,424,823	50,449,282	50,446,462	50,801,125	50,642,171	50,812,834
6/30/2001	47,140,502	47,333,281	47,446,927	47,420,602	47,546,707	47,620,704	47,612,461	47,698,862	
6/30/2002	41,696,166	41,552,332	41,473,009	41,701,952	41,745,098	41,852,533	41,822,073		
6/30/2003	39,488,984	39,542,906	39,620,919	39,661,926	39,678,176	39,757,999			
6/30/2004	38,786,137	38,890,204	38,865,610	38,866,813	39,074,482				
6/30/2005	36,639,491	36,525,948	36,428,527	36,436,167					
6/30/2006	34,050,039	33,938,924	34,091,114						
6/30/2007	36,857,236	36,919,058							
6/30/2008	41,033,414								

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

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

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

Development From

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

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

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

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

$100,000 Basic Limit Losses as of:

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

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	2,892,173	2,863,048	2,863,048	2,862,948	2,862,948	2,862,948	2,962,948	2,962,948	2,962,948
6/30/2001	3,141,337	3,141,646	2,991,646	3,016,748	3,041,748	3,131,210	3,131,210	3,141,109	
6/30/2002	2,298,833	2,326,834	2,318,833	2,318,833	2,418,833	2,418,833	2,423,833		
6/30/2003	1,967,583	1,967,583	2,067,583	2,267,583	2,360,914	2,365,692			
6/30/2004	3,314,400	3,316,276	3,324,176	3,314,664	3,314,564				
6/30/2005	2,722,247	2,718,033	2,718,033	2,724,061					
6/30/2006	2,458,857	2,554,047	2,563,194						
6/30/2007	2,554,812	2,640,182							
6/30/2008	1,474,301								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
6/30/2000	1.233	1.022	1.041	0.958	1.072	1.009	1.058	0.988	1.000	0.997	1.009
6/30/2001	1.159	1.132	1.059	0.999	1.027	1.044	0.926	1.050	1.008	1.019	0.999
6/30/2002	1.173	1.037	1.057	1.050	1.050	0.972	0.970	1.048	1.000	1.003	1.002
6/30/2003	1.028	1.037	1.086	1.009	0.941	1.002	1.030	1.013	0.999	1.001	1.004
6/30/2004	1.060	1.123	1.140	1.054	0.994	0.973	1.030	0.982	1.021	1.000	1.031
6/30/2005	1.005	0.972	1.169	0.979	1.065	0.944	1.045	0.986	1.004	0.999	1.002
6/30/2006	1.151	1.130	0.974	1.027	1.058	1.046	1.005	0.995	1.001	0.973	1.002
6/30/2007	1.309	1.219	0.935	0.994	0.937	0.988	1.010	1.040	1.000	1.000	1.000
6/30/2008	1.288	0.771	1.027	0.960	1.022	0.985	0.995	1.001	1.000	1.015	0.997
6/30/2009	0.765	1.158	0.937	1.012	0.975	1.046	0.965	1.000	1.000	1.002	
6/30/2010	1.000	0.975	1.054	1.051	1.021	1.025	0.976	1.048	0.951		
6/30/2011	1.095	1.150	0.947	1.064	1.007	0.986	0.998	1.000			
6/30/2012	1.279	1.097	1.172	0.990	1.238	1.020	0.951				
6/30/2013	1.040	1.046	0.993	1.112	0.984	1.000					
6/30/2014	1.001	0.894	1.087	1.050	0.969						
6/30/2015	1.057	0.928	1.091	0.929							
6/30/2016	1.125	1.168	1.087								
6/30/2017	1.124	1.105									
6/30/2018	1.213										
3 Yr Mean	1.154	1.067	1.088	1.030	1.064	1.002	0.975	1.016	0.984	1.006	1.000
Best 3/5	1.102	1.026	1.088	1.035	1.004	1.015	0.979	1.014	1.000	1.000	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
6/30/2000	0.990	1.000	1.000	1.000	1.000	1.035	1.000	1.000
6/30/2001	1.000	0.952	1.008	1.008	1.029	1.000	1.003	1.001 *
6/30/2002	1.012	0.997	1.000	1.043	1.000	1.002	1.001 *	1.001 *
6/30/2003	1.000	1.051	1.097	1.041	1.002	1.002 *	1.001 *	1.001 *
6/30/2004	1.001	1.002	0.997	1.000	1.016 *	1.002 *	1.001 *	1.001 *
6/30/2005	0.998	1.000	1.002					
6/30/2006	1.039	1.004						
6/30/2007	1.033							
3 Yr Mean	1.023	1.002	1.032	1.028	1.010 @	1.012 @	1.002 @	1.000 @
Best 3/5	1.011	1.002	1.003	1.016	1.006 *	1.002 *	1.001 *	1.001 *

Development From

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

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

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

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

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

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

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

Increments

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

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0865	0.0699	0.0654	0.0197	0.0191	0.0556	0.0067	0.0013	0.0065	0.0076	0.0080	0.0031	0.0034
6/30/2001	0.0747	0.1102	0.0525	0.0699	0.0638	0.0538	0.0577	0.0233	0.0008	-0.0009	0.0076	0.0037	-0.0001
6/30/2002	0.0765	0.0389	0.0839	0.0719	0.1280	0.0601	0.0571	0.0329	0.0110	0.0157	0.0129	0.0016	-0.0003
6/30/2003	0.0661	0.0741	0.0753	0.0653	0.0287	0.0274	0.0138	0.0072	0.0080	0.0033	0.0009	0.0009	-0.0009
6/30/2004	0.0711	0.0816	0.0724	0.0751	0.0564	0.0387	0.0137	0.0257	0.0156	0.0004	0.0158	0.0013	0.0011
6/30/2005	0.0750	0.1178	0.0728	0.0613	0.0400	0.0206	0.0153	0.0191	0.0370	0.0055	-0.0022	0.0067	0.0046
6/30/2006	0.0836	0.0934	0.0846	0.0387	0.0828	0.0505	0.0163	0.0012	0.0089	0.0702	0.0073	-0.0029	0.0049
6/30/2007	0.1083	0.0954	0.1031	0.0437	0.0438	0.0531	0.0134	0.0392	0.0076	0.0056	0.0035	0.0037	
6/30/2008	0.0865	0.1071	0.0909	0.0855	0.0454	0.0167	0.0206	0.0211	0.0164	0.0191	0.0063		
6/30/2009	0.0789	0.1050	0.0575	0.0723	0.0326	0.0203	0.0218	0.0163	0.0839	0.0065			
6/30/2010	0.0908	0.0988	0.0820	0.0596	0.0349	0.0425	0.0171	0.0127	0.0043				
6/30/2011	0.1034	0.0702	0.0713	0.0592	0.0328	0.0062	0.0074	0.0048					
6/30/2012	0.0793	0.0923	0.0715	0.0490	0.0352	0.0279	0.0227						
6/30/2013	0.0779	0.1012	0.1053	0.0324	0.0071	0.0055							
6/30/2014	0.0723	0.0529	0.0352	0.0184	0.0618								
6/30/2015	0.0759	0.0930	0.0629	0.0570									
6/30/2016	0.0699	0.1070	0.0789										
6/30/2017	0.0780	0.0782											
6/30/2018	0.1027												
Best 3/5	0.0754	0.0908	0.0711	0.0462	0.0343	0.0181	0.0198	0.0167	0.0110	0.0104	0.0057	0.0020	0.0018

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

$100,000 Basic Limit Losses as of:

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

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
6/30/2000	30,290,710	30,289,710	30,501,027	30,401,027	30,401,027	30,404,527	30,440,669	30,628,527	30,653,558
6/30/2001	35,900,028	36,084,728	36,084,728	36,174,728	36,185,063	36,184,962	36,289,463	36,289,462	
6/30/2002	21,812,002	21,895,477	21,995,477	21,948,827	21,940,977	22,071,578	22,171,577		
6/30/2003	14,511,006	14,575,907	14,580,204	14,657,704	14,775,202	14,775,202			
6/30/2004	18,590,926	18,666,037	18,710,837	18,823,231	18,823,231				
6/30/2005	19,875,461	20,000,458	20,072,853	19,972,853					
6/30/2006	22,288,817	22,150,317	22,250,316						
6/30/2007	22,452,980	22,513,876							
6/30/2008	18,280,545								

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

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

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

Development From

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

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

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

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

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

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

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

Increments

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

Incremental Percentages

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
6/30/2000	0.0640	0.2079	0.0357	0.0478	0.0414	0.0518	0.0430	0.0528	0.0529	-0.0088	0.0007	-0.0048	0.0004
6/30/2001	0.1863	0.1060	0.1168	0.0571	0.0824	0.0259	0.0128	0.0148	0.0200	0.0006	-0.0007	0.0000	0.0001
6/30/2002	0.1345	0.1210	0.1042	-0.0055	0.0639	0.0367	-0.0035	0.0039	0.0044	-0.0007	0.0024	0.0013	0.0018
6/30/2003	0.2162	0.1262	0.1417	0.0796	0.0580	0.3477	0.0788	0.1526	0.0091	0.0115	-0.0013	0.1196	0.0003
6/30/2004	0.1298	0.1604	0.1562	0.1030	0.0156	0.0023	0.0296	0.0090	-0.0042	0.0053	-0.0012	0.0068	-0.0006
6/30/2005	0.1643	0.1647	0.0757	0.0427	0.0581	-0.0027	-0.0002	0.0277	0.0299	0.0121	0.0095	0.0413	-0.0088
6/30/2006	0.1874	0.1308	0.0959	0.0518	0.0386	0.1113	0.0377	0.0721	0.0795	0.0033	0.0076	0.0027	0.0072
6/30/2007	0.1453	0.2522	0.1081	0.0596	0.0121	-0.1114	0.0860	0.0010	0.0009	0.0020	0.0009	0.0027	
6/30/2008	0.1796	0.1858	0.1416	0.0226	0.0327	0.0276	0.0232	0.0034	0.0088	0.0105	0.0016		
6/30/2009	0.1889	0.1507	0.2061	0.2341	0.0955	0.0270	0.0180	0.0130	0.0183	-0.1206			
6/30/2010	0.2847	0.2568	0.0717	0.1510	0.1180	0.0641	0.0547	0.0050	0.0107				
6/30/2011	0.3858	0.2847	0.2270	0.2037	0.0974	0.0761	0.0187	0.0126					
6/30/2012	0.3434	0.1453	0.5225	0.0681	0.1719	0.1116	0.0807						
6/30/2013	0.2906	0.1951	0.2514	0.1665	0.1040	0.1982							
6/30/2014	0.3025	0.2238	0.0471	0.2052	0.1992								
6/30/2015	0.1805	0.2352	0.2923	0.0847									
6/30/2016	0.1996	0.1388	0.0596										
6/30/2017	0.2386	0.1599											
6/30/2018	0.3072												
Best 3/5	0.2469	0.1929	0.2011	0.1516	0.1313	0.0839	0.0322	0.0070	0.0126	0.0053	0.0033	0.0169	0.0031

<div align="center">

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

</div>

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

<div align="center">Incurred Percentage</div>

Item *	2014	2015	2016	2017	2018	2014 - 2018 Mean
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.5%	8.1%	8.5%	8.1%	7.0%	8.2%

6. Selected   8.5%

Notes: All dollar amounts are displayed in thousands.

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

PREMISES / OPERATIONS
TREND SUMMARY
AVERAGE ANNUAL PERCENT CHANGES

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

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

(3)	FREQUENCY TREND	M&C	OL&T
	Selected	0.0%	- 0.5%

(4)	TOTAL ANNUAL NET TREND	+ 3.4%	+ 3.3%

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

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

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

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

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

CHANGE IN EXPOSURES		MANUFACTURERS	CONTRACTORS
1/1/2017 to 1/1/2022	(2022:2/2017:2)	1.052	1.109
1/1/2018 to 1/1/2022	(2022:2/2018:2)	1.039	1.074
1/1/2019 to 1/1/2022	(2022:2/2019:2)	1.024	1.036

AVERAGE ANNUAL TREND FACTOR			
1/1/2017 to 1/1/2022	(5.0 YRS)	1.010	1.021
1/1/2018 to 1/1/2022	(4.0 YRS)	1.010	1.018
1/1/2019 to 1/1/2022	(3.0 YRS)	1.008	1.012

* Projected values are identified by a 'P' in column (1).
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PREMISES / OPERATIONS
OWNERS, LANDLORDS AND TENANTS
AVERAGE ANNUAL EXPOSURE TRENDS [1]

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

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

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

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

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

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

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

	Change In Exposures*							Average Annual Trend Factor					
1/1/2017 to 1/1/2022 (2022:2/2017:2)	0.931	0.929	0.976	1.082	1.063	1.100	1/1/2017 to 1/1/2022 (5.0 Years)	-1.4%	-1.5%	-0.5%	1.6%	1.2%	1.9%

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

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

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

CHANGE IN EXPOSURES			AVERAGE ANNUAL TREND FACTOR		
1/1/2017 to 1/1/2022	(2022:2/2017:2)	1.102	1/1/2017 to 1/1/2022	(5.0 YRS)	1.020
1/1/2018 to 1/1/2022	(2022:2/2018:2)	1.067	1/1/2018 to 1/1/2022	(4.0 YRS)	1.016
1/1/2019 to 1/1/2022	(2022:2/2019:2)	1.034	1/1/2019 to 1/1/2022	(3.0 YRS)	1.011

* Projected values are identified by a 'P' in column (1).
@ Based on a year-ended quarterly implicit price deflator of state and local government expenditures. GDP accounts are based on 2012 dollars.

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

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

	10 Year	8 Year	6 Year
Goodness of Fit Statistic, R-Squared:	0.936	0.904	0.863

Average Annual Severity Trend (10 yr)   + 4.1%
Average Annual Severity Trend (8 yr)   + 4.2%
Average Annual Severity Trend (6 yr)   + 4.8%

Selected Annual Severity Trend   + 4.5%

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

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

(1)	(2)	(3)	(4)	(5)		
Accident	Basic Limit	Occurrences	(2)/(3)	Exponential		
Year	Paid	at	Actual	Curve of		
Ending	Losses *	Ultimate	Severity	Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2009	$ 166,786,475	15,221	$ 10,958	$ 10,602		
6/30/2010	165,560,608	15,591	10,619	10,869		
12/31/2010	169,511,123	16,140	10,503	11,143		
6/30/2011	175,185,043	16,218	10,802	11,424		
12/31/2011	178,200,069	16,030	11,117	11,713	$ 12,027	
6/30/2012	171,166,242	15,315	11,176	12,008	12,298	
12/31/2012	182,222,087	14,398	12,656	12,311	12,575	
6/30/2013	182,896,889	13,822	13,232	12,621	12,858	
12/31/2013	176,657,072	13,041	13,546	12,940	13,147	$ 13,996
6/30/2014	183,108,491	12,708	14,409	13,266	13,443	14,179
12/31/2014	184,234,738	12,485	14,756	13,601	13,745	14,364
6/30/2015	182,719,812	12,187	14,993	13,944	14,055	14,552
12/31/2015	181,519,836	12,263	14,802	14,296	14,371	14,742
6/30/2016	181,577,722	12,437	14,600	14,656	14,695	14,935
12/31/2016	187,699,571	12,699	14,781	15,026	15,025	15,130
6/30/2017	187,479,162	12,660	14,809	15,405	15,363	15,328
12/31/2017	198,129,894	12,478	15,878	15,794	15,709	15,528
6/30/2018	198,836,145	12,565	15,825	16,192	16,063	15,731
12/31/2018	197,899,451	12,400	15,960	16,600	16,424	15,937
6/30/2019	196,352,560	12,081	16,253	17,019	16,794	16,145

Goodness of Fit Statistic, R-Squared:	0.897	0.824	0.807

Average Annual Severity Trend (10 yr)	+ 5.1%
Average Annual Severity Trend (8 yr)	+ 4.6%
Average Annual Severity Trend (6 yr)	+ 2.6%
Selected Annual Severity Trend	+ 4.5%

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

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

(1)	(2)	(3)	(4)	(5)		
Accident	Basic Limit	Occurrences	(2)/(3)	Exponential		
Year	Paid	at	Actual	Curve of		
Ending	Losses *	Ultimate	Severity	Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2009	$ 23,727,055	515	$ 46,072	$ 40,081		
6/30/2010	22,834,697	604	37,806	40,029		
12/31/2010	18,644,387	574	32,482	39,977		
6/30/2011	18,603,120	504	36,911	39,926		
12/31/2011	18,857,007	500	37,714	39,874	$ 41,871	
6/30/2012	18,369,412	474	38,754	39,823	41,616	
12/31/2012	16,582,405	439	37,773	39,771	41,363	
6/30/2013	17,923,327	423	42,372	39,720	41,111	
12/31/2013	23,458,969	474	49,491	39,669	40,861	$ 45,151
6/30/2014	22,900,787	526	43,538	39,617	40,612	44,227
12/31/2014	20,406,375	508	40,170	39,566	40,365	43,322
6/30/2015	22,271,191	513	43,414	39,515	40,119	42,435
12/31/2015	20,544,898	525	39,133	39,464	39,874	41,566
6/30/2016	21,575,377	529	40,785	39,413	39,632	40,716
12/31/2016	19,932,691	483	41,269	39,362	39,390	39,882
6/30/2017	16,638,613	515	32,308	39,312	39,150	39,066
12/31/2017	22,739,690	549	41,420	39,261	38,912	38,266
6/30/2018	26,419,036	556	47,516	39,210	38,675	37,483
12/31/2018	17,832,335	519	34,359	39,160	38,439	36,716
6/30/2019	16,680,880	492	33,904	39,109	38,205	35,965
Goodness of Fit Statistic, R-Squared:				0.004	0.064	0.326
Average Annual Severity Trend (10 yr)				- 0.3%		
Average Annual Severity Trend (8 yr)				- 1.2%		
Average Annual Severity Trend (6 yr)				- 4.1%		
Selected Annual Severity Trend				0.0%		

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

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

(1) Accident Year 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
12/31/2009	$ 631,697,147	19,190	$ 32,918	$ 32,318		
6/30/2010	649,384,967	19,772	32,844	33,044		
12/31/2010	679,989,083	20,120	33,797	33,786		
6/30/2011	706,040,379	20,420	34,576	34,546		
12/31/2011	693,639,284	19,556	35,469	35,322	$ 35,169	
6/30/2012	632,588,124	17,277	36,614	36,116	35,976	
12/31/2012	598,038,420	16,386	36,497	36,927	36,802	
6/30/2013	632,849,703	17,125	36,955	37,757	37,646	
12/31/2013	682,175,634	18,101	37,687	38,605	38,510	$ 38,442
6/30/2014	758,994,700	19,245	39,439	39,473	39,394	39,337
12/31/2014	751,824,475	18,444	40,763	40,360	40,298	40,253
6/30/2015	741,371,872	17,773	41,713	41,267	41,222	41,191
12/31/2015	770,650,459	17,980	42,862	42,194	42,168	42,150
6/30/2016	743,503,511	16,859	44,101	43,142	43,136	43,132
12/31/2016	743,205,883	16,972	43,790	44,112	44,126	44,136
6/30/2017	774,704,688	17,612	43,987	45,103	45,138	45,164
12/31/2017	810,415,611	18,224	44,470	46,116	46,174	46,215
6/30/2018	887,140,288	18,962	46,785	47,153	47,234	47,291
12/31/2018	896,651,764	18,347	48,872	48,212	48,318	48,393
6/30/2019	854,872,588	16,807	50,864	49,296	49,426	49,520

Goodness of Fit Statistic, R-Squared:	0.982	0.970	0.942

Average Annual Severity Trend (10 yr)	+ 4.5%
Average Annual Severity Trend (8 yr)	+ 4.6%
Average Annual Severity Trend (6 yr)	+ 4.7%
Selected Annual Severity Trend	+ 4.0%

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

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

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

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

Goodness of Fit Statistic, R-Squared:	0.884	0.852	0.865

Average Annual Severity Trend (10 yr)	+ 4.9%
Average Annual Severity Trend (8 yr)	+ 5.2%
Average Annual Severity Trend (6 yr)	+ 6.7%
Selected Annual Severity Trend	+ 5.0%

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

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

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

Goodness of Fit Statistic, R-Squared:	0.302	0.443	0.035

Average Annual Severity Trend (10 yr)	- 3.8%
Average Annual Severity Trend (8 yr)	- 6.1%
Average Annual Severity Trend (6 yr)	- 1.7%
Selected Annual Severity Trend	+ 1.0%

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

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

PREMISES/OPERATIONS
MANUFACTURERS AND CONTRACTORS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES[1]
MULTISTATE
Manual Classes (Full and Deductible Coverage)
Monoline and Multiline Combined
CGL Policies Only

Bodily Injury and Property Damage Combined

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

Selected Annual Frequency Trend: 0.0%

[1] Occurrences are based on reported paid amounts developed to ultimate using paid development factors.
[2] Frequency is per $1,000,000 Aggregate Loss Costs at Current Level.

PREMISES/OPERATIONS
OWNERS, LANDLORDS AND TENANTS

FREQUENCY TREND INCLUDING FRINGE OCCURRENCES[1]
MULTISTATE
Manual Classes (Full and Deductible Coverage)
Monoline and Multiline Combined
CGL Policies Only

Bodily Injury and Property Damage Combined

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

Selected Annual Frequency Trend: - 0.5%

[1] Occurrences are based on reported paid amounts developed to ultimate using paid development factors.
[2] Frequency is per $1,000,000 Aggregate Loss Costs at Current Level.

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

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

CLASS GROUP 05

Code	Diff	
10140	0.46	
10141	0.92	
10145	4.43	
12361	1.00	*
13049	0.52	
13112	0.85	
13670	0.56	
15223	0.66	

CLASS GROUP 06

Code	Diff	
10010	1.59	
10040	1.21	
10070	0.91	
10111	1.99	
11127	5.07	
11128	6.84	
11203	11.79	
12362	1.00	*
12373	0.38	
12391	0.75	
12707	6.56	
12797	1.38	
13715	1.00	
13930	2.13	
14527	4.07	
16005	0.53	
16501	1.12	
16527	1.72	
16705	3.19	
18078	1.81	
18205	2.79	

Code	Diff
18707	0.15
18833	1.79

CLASS GROUP 07

Code	Diff	
10015	2.95	
10052	2.04	
10054	1.81	
10110	10.04	
10117	2.93	
10120	6.57	
10331	4.00	
10332	6.90	
10378	4.05	
10379	1.88	
10380	3.21	
10381	2.78	
11138	1.00	*
16670	1.66	
40045	91.94	
40046	18.17	
40047	6.48	
40059	2.32	
40061	1.23	
40063	41.16	
40064	12.10	
40111	3.26	
41001	0.11	
41664	13.92	
41665	1.63	
41667	38.05	
41668	35.67	
41669	0.25	
41670	0.42	
43518	5.97	

Code	Diff
43626	4.77
43628	61.99
43629	52.53
43760	1.75
44069	5.10
44070	1.51
44071	1.68
44072	1.16
44311	3.08
44315	2.07
46911	9.44
46912	17.29
47318	3.88
47420	0.85
48206	12.62
48441	0.053
48557	5.30
48558	4.61
48637	4.05
48638	2.01
48925	96.91
49870	40.51
63217	18.47
63218	6.22

CLASS GROUP 08

Code	Diff
40101	254.14
40102	224.55
44427	918.85
44428	924.07
44429	13.85
44430	9.63
44431	30.76
44432	9.75

Code	Diff	
44433	310.66	
44434	594.24	
44435	615.31	
44436	718.67	
44437	595.63	
44438	470.71	
44439	916.25	
44440	758.14	
46112	1.00	*

CLASS GROUP 09

Code	Diff	
45190	1.00	*
45191	0.71	
45192	0.83	
45193	0.49	
45210	0.62	
46202	1.27	
64074	7.06	
64075	4.97	

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

CLASS GROUP 10

41421	0.015	
41422	0.008	
41603	0.71	
41604	0.39	
41650	1.00	*
41680	0.52	
41715	0.33	
41716	0.21	
46004	0.95	
46005	0.76	
47469	0.15	
47471	0.13	
47473	0.17	
47474	0.19	
47475	0.15	
47476	0.15	
47477	0.20	
47478	0.21	
67508	1.20	
67509	0.88	
67510	0.49	
67511	0.53	
67512	2.27	
67513	1.44	

CLASS GROUP 11

60010	1.00	*
60011	1.15	
60012	1.89	
60013	1.62	
60015	1.21	
60016	1.36	

61000	0.99	
63010	1.80	
63011	2.25	
63012	3.20	
63013	3.03	
68500	0.22	

CLASS GROUP 12

41678	3.04	
43152	0.91	
46362	10.61	
46426	1.55	
46427	2.07	
46603	0.13	
46604	0.15	
46606	0.40	
46607	0.55	
48600	3.10	
60035	1.86	
61212	1.00	*
61216	1.11	
61217	1.01	
61218	0.69	
61223	4.66	
61224	1.65	
61225	2.29	
61226	3.65	
61227	3.34	
62000	0.76	
62001	0.57	
62002	0.26	
62003	0.82	
63215	2.71	
63216	1.88	

65007	1.65
66122	0.71
66123	0.39
66309	1.14
66561	2.64
67017	2.45
67634	2.12
67635	1.50
68001	4.58
68439	5.89
68604	0.11
68606	0.43
68607	0.34
68702	0.28
68703	0.21
68706	0.90
68707	0.89

CLASS GROUP 13

40075	1.87
43151	0.93
43200	3.54
43421	0.97
43422	5.09
43550	3.46
43551	1.92
44276	4.75
44277	3.08
45334	2.04
45450	0.60
45937	0.008
46700	7.12
47221	7.81
48039	2.51

49181	0.82	
49183	1.00	*
49184	2.11	
49185	1.92	
49292	0.060	
49333	0.44	
49801	6.88	
49802	0.61	
49803	1.08	

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

40140	(a)
41210	(a)

CLASS GROUP 14

10020	(a)	41666	(a)
10119	(a)	41672	(a)
10135	(a)	41673	(a)
10375	(a)	41700	(a)
11101	(a)	43007	(a)
11120	(a)	43117	(a)
11160	(a)	43215	(a)
13208	(a)	43424	(a)
13461	(a)	43517	(a)
15119	(a)	43754	(a)
15120	(a)	43945	(a)
15300	(a)	43946	(a)
16722	(a)	43990	(a)
16723	(a)	43991	(a)
18200	(a)	44105	(a)
18991	(a)	44106	(a)
19061	(a)	44113	(a)
40005	(a)	44193	(a)
40006	(a)	44194	(a)
40010	(a)	44222	(a)
40015	(a)	44500	(a)
40020	(a)	44501	(a)
40026	(a)	45224	(a)
40031	(a)	45225	(a)
40032	(a)	45523	(a)
40040	(a)	45524	(a)
40041	(a)	45539	(a)
40042	(a)	45993	(a)
40066	(a)	46510	(a)
40067	(a)	46590	(a)
40069	(a)	46671	(a)
40072	(a)	46773	(a)
40115	(a)	46822	(a)
40117	(a)		

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

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

CLASS GROUP 16

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

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

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

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

CLASS GROUP 32 (cont'd)

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

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

CLASS GROUP 33

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

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

CLASS GROUP 34

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

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

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

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

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

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

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

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

CLASS GROUP 38								
		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	CLASS GROUP 39			91588	(a)	99987	(a)
15607	0.17				91589	(a)		
15699	0.42	11205	(a)		91591	(a)		
16471	0.24	13206	(a)		91618	(a)		
41620	1.21	13207	(a)		94444	(a)		
41677	0.25	13411	(a)		94638	(a)		
41696	0.79	15060	(a)		95358	(a)		
41697	0.55	15061	(a)		95630	(a)		
43470	4.60	18575	(a)		95648	(a)		
43822	3.66	41675	(a)		96703	(a)		
43840	0.045	41679	(a)		96930	(a)		
43860	2.88	44010	(a)		97002	(a)		
43889	1.03	51211	(a)		97003	(a)		
44280	0.25	52876	(a)		97221	(a)		
45678	0.27	53901	(a)		98150	(a)		
		53902	(a)		98151	(a)		
		53903	(a)		98156	(a)		
		53904	(a)					

<center>CLASS EXCEPTIONS</center>

\# The following class exceptions apply by state:

<u>Class Group 10</u>
47469   Not valid for New Jersey

<u>Class Group 13</u>
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

<u>Class Group 14</u>
49910   Valid only for New York
49913   Valid only for New York

<u>Class Group 32</u>
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

<u>Class Group 33</u>
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}

<u>Class Group 35</u>
51029   Valid only for Hawaii, with a differential of 1.00
51098   Valid only for Hawaii, with a differential of 1.00

<u>Class Group 38</u>
41620   Not valid for New York

<u>Class Group 39</u>
93169   Valid only for Louisiana

SECTION F

SUPPORTING MATERIAL -- PRODUCTS

TABLE OF CONTENTS

```
                                   MULTISTATE
                                    PRODUCTS
                        CALCULATION OF AGGREGATE LOSS COSTS
                                AT CURRENT LEVEL
```

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

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

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

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

MULTISTATE
PRODUCTS
OCCURRENCE
FULL COVERAGE
CALCULATION OF INCURRED LOSSES

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

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

MULTISTATE
PRODUCTS
OCCURRENCE
DED COVERAGE
CALCULATION OF INCURRED LOSSES

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

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

```
                              MULTISTATE
                               Products
                           Subline Code 336
                         Combined Single Limit


           Implicit Package Modification Factors (A) by Type of Policy
        Type
         of                                             Implicit Package
       Policy (B)              Description              Modification Factors
       ----------              -----------              --------------------

          31             Not Applicable                             --
          32             Not Applicable                             --
          33             Not Applicable                             --
          34             Mercantile Policy                        0.843
          35             Not Applicable                             --
          36             Service Policy                           0.909
          37             Industrial/Processing Policy             0.866
          38             Not Applicable                             --
```

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

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

MULTISTATE
PRODUCTS

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

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

LINK RATIOS

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

Average Best 3 of 5

27:15	39:27
1.006	1.000

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

MULTISTATE PRODUCTS LOSS DEVELOPMENT DATA

TABLE OF CONTENTS

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

$100,000 Basic Limit Losses as of:

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

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

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

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

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

Development From

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

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

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

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

$100,000 Basic Limit Losses as of:

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

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

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                         PRODUCTS (Subline Code 336)
                                 DEDUCTIBLE
                                 MULTISTATE
                          BODILY INJURY - OCCURRENCE
              INCURRED ACCIDENT YEAR  BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
                                   Link Ratios
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A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.397	1.377	1.178	1.106	0.897	1.199	0.875	0.990	0.935	1.115	1.000
12/31/2000	1.229	1.175	1.190	0.943	0.976	1.114	1.042	1.048	0.932	1.083	1.031
12/31/2001	2.064	1.378	1.202	0.868	1.132	1.188	0.982	1.020	0.958	1.011	1.012
12/31/2002	1.998	1.315	0.956	1.169	0.999	1.045	0.896	0.966	1.003	0.998	1.000
12/31/2003	1.436	1.038	1.741	0.841	0.972	1.041	0.994	1.002	1.004	1.002	1.000
12/31/2004	1.216	1.557	1.060	1.000	0.947	0.938	0.993	1.000	1.001	1.007	0.998
12/31/2005	1.394	1.759	1.046	0.660	1.003	1.032	0.946	0.913	0.996	1.004	1.003
12/31/2006	1.768	1.121	0.982	0.853	0.960	1.018	1.029	0.943	1.003	1.017	0.985
12/31/2007	1.296	0.945	1.146	1.026	0.818	1.003	1.051	1.002	1.011	1.005	1.008
12/31/2008	1.399	1.226	1.052	1.056	1.026	1.057	0.987	0.963	0.994	0.999	
12/31/2009	1.085	1.174	1.118	1.176	1.098	0.966	0.997	1.058	0.999		
12/31/2010	1.796	1.081	1.051	1.061	1.087	0.981	0.917	1.221			
12/31/2011	1.357	1.247	0.862	0.986	1.003	1.056	1.004				
12/31/2012	1.220	1.392	0.934	0.918	1.132	1.061					
12/31/2013	1.416	1.065	1.176	1.071	1.046						
12/31/2014	2.134	1.162	1.142	0.972							
12/31/2015	1.352	0.994	1.256								
12/31/2016	1.289	1.382									
12/31/2017	2.594										
3 Yr Mean	1.745	1.179	1.191	0.987	1.060	1.033	0.973	1.081	1.001	1.007	0.999
Best 3/5	1.634	1.203	1.084	1.006	1.077	1.031	0.996	1.008	0.999	1.005	1.000

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

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

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

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     *  Calculated Using Modified Bondy Method
     @  Three year mean Excludes Modified Bondy ratios
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PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

Allocated Expenses as of:

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

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

Increments

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

Incremental Percentages

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0858	0.1033	0.0996	0.0779	0.0399	0.0151	0.0046	0.0291	0.0411	0.0214	0.0125	0.0152	0.0173
12/31/2000	0.1003	0.1333	0.1183	0.0547	0.0429	0.0751	0.0226	0.0371	0.0246	0.0059	0.0107	0.0098	0.0125
12/31/2001	0.1052	0.1006	0.0695	0.0988	0.0513	0.0543	0.0509	0.0115	-0.0008	0.0104	0.0092	0.0105	0.0086
12/31/2002	0.0761	0.1545	0.1474	0.1194	0.1057	0.0099	0.0262	0.0179	0.0159	0.0096	0.0855	-0.0028	-0.0009
12/31/2003	0.0893	0.1440	0.1665	0.1210	0.0455	0.0202	0.0321	-0.0094	0.0300	0.0362	-0.0020	0.0082	-0.0210
12/31/2004	0.0812	0.1284	0.1471	0.1082	0.0103	0.0553	0.0317	0.0332	0.0447	0.0055	0.0058	0.0046	0.0048
12/31/2005	0.0534	0.0837	0.0745	0.0775	0.0738	0.0031	0.0116	0.0073	0.0123	0.0100	0.0060	0.0035	0.0043
12/31/2006	0.1263	0.0543	0.0819	0.0519	0.0449	0.0581	0.0381	-0.0265	0.0023	0.0005	0.0004	0.0050	
12/31/2007	0.1157	0.0953	0.1012	0.0826	0.0474	0.0298	0.0059	0.0059	0.1117	0.0002	0.0027		
12/31/2008	0.0706	0.1229	0.1696	0.1226	0.0657	-0.0027	0.0127	0.0094	0.0050	0.0045			
12/31/2009	0.0686	0.1212	0.0868	0.0624	0.0288	0.0016	0.0073	-0.0002	0.0027				
12/31/2010	0.0999	0.1138	0.1527	0.0661	0.0214	0.0061	0.0050	0.0035					
12/31/2011	0.1139	0.1609	0.1209	0.0706	0.0453	0.0380	-0.0021						
12/31/2012	0.1325	0.2463	0.1476	0.0967	0.0787	0.0059							
12/31/2013	0.1127	0.1336	0.0973	0.0741	0.0494								
12/31/2014	0.0838	0.1144	0.1177	0.0888									
12/31/2015	0.0903	0.1277	0.1499										
12/31/2016	0.1050	0.2055											
12/31/2017	0.0841												
Best 3/5	0.0931	0.1556	0.1287	0.0778	0.0412	0.0045	0.0060	0.0030	0.0067	0.0035	0.0030	0.0044	0.0027

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


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


    Best 3/5    1.008     1.009     1.015 *    1.012 *    1.011 *    1.011 *    1.043 *


   171 to Ultimate Factor:  1.114



                     Cumulative Incremental Factors
 Months-to-Ultimate      15       27       39       51       63       75       87
                       0.530    0.437    0.282    0.153    0.075    0.034    0.029

 Months-to-Ultimate      99      111      123      135      147      159      171
                       0.023    0.020    0.014    0.010    0.007    0.003    0.000



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


 *  Calculated Using Modified Bondy Method
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PRODUCTS (Subline Code 336)
FULL COVERAGE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

$100,000 Basic Limit Losses as of:

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

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

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

Link Ratios

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

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

Development From

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

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

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

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

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

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

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

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

Development From

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

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

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

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

Allocated Expenses as of:

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

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

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

Increments

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

Incremental Percentages

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0268	0.0811	0.0958	0.0627	0.0889	0.0509	0.0526	0.0470	0.0694	0.0177	0.0233	-0.0167	0.0053
12/31/2000	0.0386	0.0834	0.1325	0.0934	0.1120	0.0869	0.0321	0.0213	0.0288	0.0155	0.0182	0.0124	0.0057
12/31/2001	0.0460	0.0741	0.1118	0.1125	0.0619	0.0848	0.0466	0.0425	-0.0260	0.0065	0.0155	0.0148	0.0174
12/31/2002	0.0711	0.1115	0.0711	0.0684	0.0439	0.0238	0.0729	-0.0268	0.0147	0.0200	0.0136	0.0111	0.0079
12/31/2003	0.0763	0.0923	0.1343	0.0675	0.0724	0.0631	0.0385	0.0441	0.0359	0.0286	0.0450	0.0071	0.0233
12/31/2004	0.0489	0.1177	0.1071	0.0998	0.0962	0.0633	0.0481	0.0564	0.0493	0.0323	0.0431	0.0120	0.0021
12/31/2005	0.0928	0.1270	0.0102	0.0515	0.0531	0.0949	0.0684	0.0453	0.0511	0.0477	0.0359	0.0453	0.0158
12/31/2006	0.0683	0.1048	0.0934	0.0649	0.0718	0.0373	0.0750	0.1062	0.0203	0.0270	0.0035	0.0068	
12/31/2007	0.0565	0.0625	0.0959	0.0781	0.0623	0.0405	0.0652	0.0330	0.0523	0.0336	0.0204		
12/31/2008	0.0766	0.1020	0.0943	0.0818	0.0640	0.0332	0.0293	0.0183	0.0205	0.0079			
12/31/2009	0.1301	0.1521	0.0803	0.0748	0.0926	0.0237	0.0375	0.0372	0.0155				
12/31/2010	0.0828	0.1346	0.1425	0.0908	0.0521	0.0419	0.0119	0.0147					
12/31/2011	0.0661	0.1080	0.1038	0.0702	0.0578	0.0375	0.0353						
12/31/2012	0.1106	0.1175	0.1664	0.0546	0.0642	0.1034							
12/31/2013	0.0907	0.0878	0.0958	0.0662	0.0507								
12/31/2014	0.0700	0.0863	0.0726	0.0526									
12/31/2015	0.0882	0.1072	0.0794										
12/31/2016	0.1364	0.1451											
12/31/2017	0.0525												
Best 3/5	0.0830	0.1042	0.0930	0.0637	0.0581	0.0375	0.0340	0.0295	0.0306	0.0310	0.0332	0.0101	0.0137

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


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


  Best 3/5      1.004     1.003     1.001 *   1.000 *   1.000 *   1.000 *   1.000 *


 171 to Ultimate Factor:  1.008



                   Cumulative Incremental Factors
 Months-to-Ultimate      15       27       39       51       63       75       87
                       0.621    0.538    0.434    0.341    0.278    0.220    0.182

 Months-to-Ultimate      99      111      123      135      147      159      171
                       0.148    0.119    0.088    0.057    0.024    0.014    0.000



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


 *  Calculated Using Modified Bondy Method
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<div align="center">

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

</div>

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

<div align="center">Incurred Percentage</div>

	2014	2015	2016	2017	2018	2014 - 2018 Mean
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.5%	8.1%	8.5%	8.1%	7.0%	8.2%

6. Selected   8.5%

Notes: All dollar amounts are displayed in thousands.

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

PRODUCTS TREND SUMMARY

(1) <u>EXPOSURE TREND</u>   <u>PRODUCTS</u>

Average Annual Percent Change

a) 7/1/2016 to 7/1/2021 AYE 12/31/2016   + 1.3%
b) 7/1/2017 to 7/1/2021 AYE 12/31/2017   + 1.4%
c) 7/1/2018 to 7/1/2021 AYE 12/31/2018   + 1.3%

(2) <u>OCCURRENCE SEVERITY</u>   <u>BODILY INJURY</u>   <u>PROPERTY DAMAGE</u>

a) Fitted
       All Years   + 4.6%   + 4.4%
       Eight Years   + 3.7%   + 4.8%
       Six Years   + 3.0%   + 5.1%

b) Selected   + 3.0%   + 6.0%

(3) <u>FREQUENCY TREND</u>

Selected   - 1.5%

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

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

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

CHANGE IN EXPOSURES   PRODUCTS

    7/1/2016 to 7/1/2021   (2021:4/2016:4)   1.067

    7/1/2017 to 7/1/2021   (2021:4/2017:4)   1.057

    7/1/2018 to 7/1/2021   (2021:4/2018:4)   1.041

AVERAGE ANNUAL TREND FACTOR

    7/1/2016 to 7/1/2021   (5.0 YRS)   1.013

    7/1/2017 to 7/1/2021   (4.0 YRS)   1.014

    7/1/2018 to 7/1/2021   (3.0 YRS)   1.013

* Projected values are identified by a 'P' in column (1).
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OCCURRENCE SEVERITY TREND
MULTISTATE
PRODUCTS
Calculation of Annual Trend Factor
Based on Average Occurrence Severity
Full Coverage Occurrence Data
Monoline and Multiline Combined
Bodily Injury

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

Average Annual Severity Trend (10 yr) + 4.6%
Average Annual Severity Trend (8 yr) + 3.7%
Average Annual Severity Trend (6 yr) + 3.0%

Selected Annual Severity Trend + 3.0%

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

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

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

	10 Year	8 Year	6 Year
Goodness of Fit Statistic, R-Squared:	0.599	0.582	0.607

Average Annual Severity Trend (10 yr)	+ 4.4%
Average Annual Severity Trend (8 yr)	+ 4.8%
Average Annual Severity Trend (6 yr)	+ 5.1%
Selected Annual Severity Trend	+ 6.0%

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

PRODUCTS

FREQUENCY TREND
MULTISTATE

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

Bodily Injury and Property Damage Combined

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

Selected Annual Frequency Trend: - 1.5%

[1] Occurrences are based on reported paid amounts developed to ultimate using paid development factors.
[2] Frequency is per $1,000,000 Aggregate Loss Costs at Current Level.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

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

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

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

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

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

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

$K =$ The number of classes within the class group.

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

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

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

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:

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

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

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

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

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

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

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

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

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes (Cont'd)

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

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

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

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

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS
CLASS GROUP: 03
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .942 *   1.000

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

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

L - CAPPED DOWN
U - CAPPED UP
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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 *  .942 *   1.000


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




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


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U - CAPPED UP
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                                                    LOSS COST % CHANGE BY CLASS
SUBLINE: PRODUCTS
CLASS GROUP: 04
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.044 *   1.000
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	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI-STATE OCCUR (8)	PROPOSED MULTI-STATE OCCUR (9)	STATE-WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
CLASS												
10010	129803	644093	1.23203	.1273	1.094	1.013	1.058	.184	.195	6.0	.184	.195
10040	742489	4043356	1.18404	.3224	1.109	1.027	1.072	.280	.300	7.1	.280	.300
10070	1611598	8963972	1.19639	.4880	1.133	1.049	1.095	.141	.154	9.2	.141	.154
10101	329349	1687342	1.34162	.1981	1.127	1.044	1.090	.166	.181	9.0	.166	.181
10111	184837	842580	.38108	.1417	.975	.903	.943	.083	.078	-6.0	.083	.078
10255	2341872	10785181	1.23909	.5305	1.161	1.075	1.122	.131	.147	12.2	.131	.147
10256	11008	55413	.99045	.0815	1.067	.988	1.031	.147	.152	3.4	.147	.152
10257	3033512	12895158	1.02241	.5717	1.044	.967	1.010	.167	.169	1.2	.167	.169
11126	144902	715703	1.42449	.1325	1.120	1.037	1.083	.020	.022	10.0	.020	.022
11203	8874	36762	.00000	.0800	.988	.915	.955	.540	.520	-3.7	.540	.520
11248	9911	50307	.00000	.0811	.986	.913	.953	.019	.018	-5.3	.019	.018
12391	1597669	7534975	.74912	.4489	.928	.859	.897	.091	.082	-9.9	.091	.082
12509	43795	209831	.04034	.0940	.976	.904	.944	.038	.036	-5.3	.038	.036
12651	579219	2767112	1.25361	.2603	1.120	1.037	1.083	.490	.530	8.2	.490	.530
12707	294500	1017929	.70205	.1541	1.016	.941	.982	.650	.640	-1.5	.650	.640
12797	1016214	4684545	1.43674	.3498	1.201	1.112	1.161	.169	.196	16.0	.169	.196
13201	32046	103961	.12846	.0854	.993	.919	.959	.167	.160	-4.2	.167	.160
13204	1134469	6535576	1.06460	.4178	1.070	.991	1.035	1.400	1.450	3.6	1.400	1.450
13205	305694	1463843	1.19784	.1839	1.096	1.015	1.060	.430	.460	7.0	.430	.460
13314	119	482	.00000	.0770	.991	.918	.958	.017	.016	-5.9	.017	.016
13410	2862718	14790089	1.39678	.6030	1.268	1.174	1.226	2.440	2.990	22.5	2.440	2.990
13412	586455	3501588	1.38543	.2973	1.166	1.080	1.128	1.010	1.140	12.9	1.010	1.140
13590	3911061	17277202	1.00651	.6377	1.031	.955	.997	.740	.740	0.0	.740	.740
13715	1711513	8536428	1.15083	.4769	1.110	1.028	1.073	.154	.165	7.1	.154	.165
13930	1120922	4936834	.82400	.3600	.984	.911	.951	.211	.201	-4.7	.211	.201
14068	6739	39460	.00000	.0802	.987	.914	.954	.015	.014	-6.7	.015	.014
14527	342227	1644340	1.10932	.1954	1.080	1.000	1.044	.181	.189	4.4	.181	.189
14855	15400	120453	.05639	.0868	.985	.912	.952	.162	.154	-4.9	.162	.154
16005	356543	1752474	.95351	.2022	1.049	.971	1.014	.034	.034	0.0	.034	.034
16009	33022	156321	2.86933	.0897	1.235	1.144	1.194	.079	.094	19.0	.079	.094
16527	4913152	22173136	.98667	.6909	1.013	.938	.979	.360	.350	-2.8	.360	.350
16705	234200	875965	.59749	.1441	1.005	.931	.972	.152	.148	-2.6	.152	.148
16750	436085	1821197	1.00629	.2064	1.060	.981	1.024	.031	.032	3.2	.031	.032
18205	409843	2023613	1.50814	.2186	1.168	1.081	1.129	.310	.350	12.9	.310	.350
18616	2640988	11002187	1.18986	.5351	1.136	1.052	1.098	.540	.590	9.3	.540	.590
18707	11908	56794	4.84250	.0816	1.381	1.279	1.335	.003	.004	33.3	.003	.004 N
45771	152655	638426	.19541	.1269	.962	.891	.930	.176	.164	-6.8	.176	.164

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


L - CAPPED DOWN
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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS
CLASS GROUP: 04
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.044 *   1.000

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

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

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U - CAPPED UP
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E - SUBJECT TO CAPPING EXCEPTION

SUBLINE: PRODUCTS
CLASS GROUP: 05
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.013 *   1.000

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

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

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

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                                    LOSS COST % CHANGE BY CLASS
SUBLINE: PRODUCTS
CLASS GROUP: 06
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX *  .996 *   1.000
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			5 YEAR					PRESENT	PROPOSED	STATE-		
	AYE 2018	5 YEAR	MONO/MULTI					MULTI-	MULTI-	WIDE	PRESENT	PROPOSED
	MONO/MULTI	MONO/MULTI	EXPERIENCE		FORMULA		CHANGE	STATE	STATE	%	STATEWIDE	STATEWIDE
	ALCCL	ALCCL	RATIO	CRED.	ER	INDEX	FACTOR	OCCUR	OCCUR	CHANGE	OCCUR	OCCUR
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
15733	6663	40088	.03911	.0324	1.010	.985	.981	.038	.037	-2.6	.038	.037
51001	4483	6936	.00000	.0272	1.014	.989	.985	.460	.450	-2.2	.460	.450
51116	631631	2987528	1.61692	.3449	1.240	1.210	1.205	.570	.690	21.1	.570	.690
51240	60289	252885	1.11128	.0646	1.047	1.021	1.017	.182	.185	1.6	.182	.185
51241	398561	1890233	.49436	.2554	.902	.880	.876	.300	.260	-13.3	.300	.260
51330	159165	745756	5.70138	.1316	1.655	1.615	1.609	.430	.530	23.3	.430	.530 U
51370	188610	485122	.00000	.0974	.941	.918	.914	5.000	4.570	-8.6	5.000	4.570
51500	322150	1583578	1.42369	.2258	1.128	1.100	1.096	.109	.119	9.2	.109	.119
51550	14084	60235	3.33844	.0356	1.124	1.097	1.093	.360	.390	8.3	.360	.390
51551	2445	47958	.29987	.0336	1.017	.992	.988	.920	.910	-1.1	.920	.910
51552	2585	21460	.53015	.0295	1.027	1.002	.998	.159	.159	0.0	.159	.159
51600	136764	648012	.60877	.1191	.991	.967	.963	.198	.191	-3.5	.198	.191
51734	25104	53542	.94167	.0345	1.039	1.014	1.010	.310	.310	0.0	.310	.310
51741	128078	670814	1.33913	.1220	1.078	1.052	1.048	.250	.260	4.0	.250	.260
51777	130678	641491	1.10594	.1182	1.050	1.024	1.020	.076	.078	2.6	.076	.078
51808	140245	710467	.90283	.1271	1.025	1.000	.996	.730	.730	0.0	.730	.730
51809	52120	115157	.00000	.0440	.996	.972	.968	.158	.153	-3.2	.158	.153
51877	98271	383929	.44984	.0834	.993	.969	.965	.220	.212	-3.6	.220	.212
51896	688935	3441683	.74265	.3760	.930	.907	.903	.020	.018	-10.0	.020	.018
51900	12030	56422	1.19533	.0350	1.048	1.022	1.018	.093	.095	2.2	.093	.095
51909	0	759	.00000	.0262	1.015	.990	.986	.057	.056	-1.8	.057	.056
51926	242825	1237425	.70721	.1895	.979	.955	.951	.040	.038	-5.0	.040	.038
51927	331655	1741014	1.57827	.2413	1.172	1.143	1.138	.115	.131	13.9	.115	.131
51934	169043	764549	.01838	.1340	.905	.883	.879	.142	.125	-12.0	.142	.125
51956	1633547	7764567	.83444	.5700	.924	.901	.897	.246	.221	-10.2	.246	.221
51957	1199338	6083901	1.13548	.5109	1.090	1.063	1.059	.400	.420	5.0	.400	.420
51960	4183	33896	.00000	.0314	1.010	.985	.981	.360	.350	-2.8	.360	.350
51982	8268	56927	.00000	.0350	1.006	.981	.977	.085	.083	-2.4	.085	.083
51986	38465	249898	.20058	.0642	.988	.964	.960	.107	.103	-3.7	.107	.103
51999	135849	722703	.66516	.1287	.994	.970	.966	.460	.440	-4.3	.460	.440
52075	47273	225850	.33691	.0607	.999	.975	.971	.250	.243	-2.8	.250	.243
52134	2335007	11333471	.85571	.6579	.920	.898	.894	.700	.630	-10.0	.700	.630
52315	434286	2071142	1.38224	.2718	1.135	1.107	1.103	.240	.260	8.3	.240	.260
52505	55795	240014	1.88247	.0627	1.095	1.068	1.064	.203	.216	6.4	.203	.216
52547	233537	1205580	.32449	.1860	.909	.887	.883	.088	.078	-11.4	.088	.078
52911	958327	4559605	.68681	.4412	.885	.863	.860	.520	.450	-13.5	.520	.450
52967	29487	130562	.06542	.0464	.997	.973	.969	.064	.062	-3.1	.064	.062

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


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

SUBLINE: PRODUCTS
CLASS GROUP: 06
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX *  .996 *   1.000
```

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

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


L - CAPPED DOWN
U - CAPPED UP
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION
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                                          LOSS COST % CHANGE BY CLASS
SUBLINE: PRODUCTS
CLASS GROUP: 06
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX *  .996 *   1.000
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| | AYE 2018 MONO/MULTI ALCCL | 5 YEAR MONO/MULTI ALCCL | 5 YEAR MONO/MULTI EXPERIENCE RATIO | CRED. | FORMULA ER | INDEX | CHANGE FACTOR | PRESENT MULTI-STATE OCCUR | PROPOSED MULTI-STATE OCCUR | STATE-WIDE % CHANGE | PRESENT STATEWIDE OCCUR | PROPOSED STATEWIDE OCCUR |
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
58301	77103	247755	2.09027	.0639	1.109	1.082	1.078	.082	.088	7.3	.082	.088
58302	44551	232484	.76868	.0616	1.025	1.000	.996	.055	.055	0.0	.055	.055
58397	1440834	5633085	.78100	.4922	.914	.892	.888	.830	.740	-10.8	.830	.740
58575	26172	92765	.00000	.0406	1.000	.976	.972	.123	.120	-2.4	.123	.120
58663	1463116	6273340	.55383	.5184	.789	.770	.767	1.590	1.280	-19.5	1.590	1.280 L
58802	28363	182262	2.20058	.0542	1.105	1.078	1.074	.450	.480	6.7	.450	.480
58837	7600	41749	.00000	.0327	1.008	.983	.979	.165	.162	-1.8	.165	.162
58840	3886	13420	5.80112	.0282	1.176	1.147	1.142	.111	.127	14.4	.111	.127
58873	237631	1009427	.93769	.1636	1.025	1.000	.996	.030	.030	0.0	.030	.030
58904	11786	57446	.00000	.0351	1.006	.981	.977	.131	.128	-2.3	.131	.128
58922	1192474	5490688	.80316	.4860	.926	.903	.899	.187	.168	-10.2	.187	.168
59005	171273	854165	.91947	.1451	1.024	.999	.995	.096	.096	0.0	.096	.096
59188	321	972	.00000	.0262	1.015	.990	.986	.056	.055	-1.8	.056	.055
59189	4360	15413	.00000	.0285	1.013	.988	.984	.300	.300	0.0	.300	.300
59223	120370	601825	2.27852	.1131	1.182	1.153	1.148	.077	.088	14.3	.077	.088
59378	0	52	.00000	.0261	1.015	.990	.986	.152	.150	-1.3	.152	.150
59481	83569	354019	2.54948	.0792	1.162	1.134	1.129	.088	.099	12.5	.088	.099
59701	3659	53399	6.47937	.0345	1.230	1.200	1.195	.244	.290	18.9	.244	.290
59713	326896	1504045	.76038	.2178	.981	.957	.953	.330	.310	-6.1	.330	.310
59722	58084	277751	.46562	.0683	1.003	.979	.975	.032	.031	-3.1	.032	.031
59723	13603	98150	.00000	.0414	.999	.975	.971	.038	.037	-2.6	.038	.037
59726	96958	688208	1.08508	.1243	1.048	1.022	1.018	.024	.024	0.0	.024	.024
59738	9774	58404	.00000	.0353	1.005	.980	.976	.066	.064	-3.0	.066	.064
59773	1	232	.00000	.0261	1.015	.990	.986	.028	.028	0.0	.028	.028
59774	903	1719	.00000	.0264	1.015	.990	.986	.152	.150	-1.3	.152	.150
59775	0	0	.00000	.0000	.000	.000	.000	.189	.188	-0.5	.189	.188
59798	686293	3182185	1.22730	.3586	1.109	1.082	1.078	.460	.500	8.7	.460	.500
59886	19174	116421	.00000	.0442	.996	.972	.968	.112	.108	-3.6	.112	.108
59889	11249	77718	2.83138	.0383	1.111	1.084	1.080	.153	.165	7.8	.153	.165
59914	754179	3575524	1.25843	.3846	1.125	1.098	1.094	.620	.680	9.7	.620	.680
59915	166847	580536	.60667	.1102	.994	.970	.966	.780	.750	-3.8	.780	.750
59917	65053	345965	4.03154	.0781	1.276	1.245	1.240	.165	.205	24.2	.165	.205
59931	157624	727687	.39466	.1293	.959	.936	.932	.590	.550	-6.8	.590	.550
59932	55156	269839	.00000	.0671	.972	.948	.944	.930	.880	-5.4	.930	.880
59947	14211	100306	.00000	.0417	.999	.975	.971	.330	.320	-3.0	.330	.320
59955	16698	92312	.00000	.0405	1.000	.976	.972	.147	.143	-2.7	.147	.143
59970	19173	100498	.87050	.0418	1.035	1.010	1.006	.182	.183	0.5	.182	.183

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


L - CAPPED DOWN
U - CAPPED UP
N - NOT SUBJECT TO CAPPING
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```

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                                                 LOSS COST % CHANGE BY CLASS
SUBLINE: PRODUCTS
CLASS GROUP: 06
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX *  .996 *   1.000


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

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

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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 * 1.003 *   1.000


                         5 YEAR                                          PRESENT   PROPOSED  STATE-
          AYE 2018   5 YEAR    MONO/MULTI                                MULTI-    MULTI-    WIDE     PRESENT    PROPOSED
          MONO/MULTI MONO/MULTI EXPERIENCE        FORMULA      CHANGE    STATE     STATE     %        STATEWIDE  STATEWIDE
          ALCCL      ALCCL     RATIO      CRED.    ER    INDEX FACTOR     OCCUR     OCCUR     CHANGE   OCCUR      OCCUR
CLASS     (1)        (2)       (3)        (4)      (5)   (6)   (7)        (8)       (9)       (10)     (11)       (12)
-----     ----------  ---------- ----------  ------  -------  -----  -------  ---------  ---------  ------  ---------  ---------
49239       68346      412471    .68425     .1332    .901  .916  .919        .650      .600      -7.7      .650       .600
50010       42105      213949    .04838     .1160    .831  .845  .848        .580      .490     -15.5      .580       .490
51205        3266        8167    .00000     .0975    .843  .857  .860        .083      .071     -14.5      .083       .071
51206        4568       29611    .00000     .0995    .841  .855  .858        .450      .390     -13.3      .450       .390
51220      107472      451136    .44385     .1365    .867  .881  .884       2.580     2.280     -11.6     2.580      2.280
51221      616280     2662714    .80705     .2895    .897  .912  .915       1.940     1.780      -8.2     1.940      1.780
51222      106289      971222   2.16583     .1781   1.153 1.172 1.176       3.120     3.670      17.6     3.120      3.670
51224      680612     3312985   1.34645     .3247   1.068 1.085 1.088       1.330     1.450       9.0     1.330      1.450
51230           0           0    .00000     .0000    .000  .000  .000        .790      .790       0.0      .790       .790
51252     1933540     8579189   1.01074     .5180    .974  .990  .993        .101      .100      -1.0      .101       .100
51254        6288       18336    .00000     .0985    .842  .856  .859        .045      .039     -13.3      .045       .039
51333      177428      409127   1.88783     .1329   1.061 1.078 1.081        .310      .340       9.7      .310       .340
51958      282950     1375872   1.38392     .2078   1.027 1.044 1.047        .390      .410       5.1      .390       .410
51970      779460     3633163    .93386     .3407    .934  .949  .952        .250      .238      -4.8      .250       .238
52433      147816      400368    .17212     .1322    .833  .847  .850       1.200     1.020     -15.0     1.200      1.020
52581       34747     1209284    .11380     .1958    .773  .786  .788       3.680     2.950     -19.8     3.680      2.950  L
52744       10165       11526    .00000     .0978    .843  .857  .860        .094      .081     -13.8      .094       .081
53077      134389      640514   1.55702     .1521   1.029 1.046 1.049        .197      .207       5.1      .197       .207
55597           0           0    .00000     .0000    .000  .000  .000       1.780     1.790       0.6     1.780      1.790
55918         108        7338    .00000     .0974    .843  .857  .860       3.190     2.740     -14.1     3.190      2.740
55919           0           0    .00000     .0000    .000  .000  .000       3.640     3.650       0.3     3.640      3.650
56912      877737     4076544   1.27343     .3618   1.057 1.074 1.077        .084      .090       7.1      .084       .090
57146      392492     1595496   1.44372     .2230   1.048 1.065 1.068        .670      .720       7.5      .670       .720
58737       30405      140966    .00000     .1096    .832  .846  .849        .740      .630     -14.9      .740       .630
59601      177159      490034   1.44222     .1397   1.005 1.021 1.024       2.310     2.370       2.6     2.310      2.370
59660      488381     2466144   1.23156     .2781   1.017 1.034 1.037       1.140     1.180       3.5     1.140      1.180
59724       37681      121778    .00831     .1078    .834  .848  .851        .022      .019     -13.6      .022       .019
59725      426137     2153255   1.56260     .2592   1.097 1.115 1.118        .104      .116      11.5      .104       .116
59750        7845       38547    .68802     .1003    .909  .924  .927        .240      .222      -7.5      .240       .222
59781      491766     2486418    .71799     .2793    .874  .888  .891        .076      .068     -10.5      .076       .068
59782      391006     1658601    .86861     .2273    .919  .934  .937        .490      .460      -6.1      .490       .460
```

X-TILDE: 1.089   X-TILDE (MONOLINE):   .984   PI-TILDE: .0058740
TAU SQUARED: .03000   SIGMA SQUARED: 294539.44808

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

SECTION G

SUPPORTING MATERIAL -- LOCAL PRODUCTS/COMPLETED OPERATIONS

TABLE OF CONTENTS

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

TYPE OF POLICY	ACCIDENT YEAR ENDING	$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	EXPOSURE TREND#	AVERAGE IPMF*	TRENDED $100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	12/31/2016	$79,728,640	1.000	1.128		$89,933,906
	12/31/2017	86,199,771	1.000	1.098		94,647,349
	12/31/2018	91,515,149	1.022	1.062		99,327,248
MULTILINE	12/31/2016	$175,132,791	1.000	1.130	0.986	$195,129,453
	12/31/2017	186,638,893	1.000	1.099	0.989	202,859,866
	12/31/2018	191,459,955	1.022	1.062	0.991	205,933,509
TOTAL	12/31/2016					$285,063,359
	12/31/2017					297,507,215
	12/31/2018					305,260,757

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

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

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

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

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

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

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

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

```
                                    MICHIGAN

                         Local Products/Completed Operations
                                 Subline Code 336
                               Combined Single Limit


                    Implicit Package Modification Factors (A) by Type of Policy
           Type
            of                                                      Implicit Package
         Policy (B)                    Description                   Modification Factors
         ---------                    -----------                   --------------------

            31                     Not Applicable                           --
            32                     Not Applicable                           --
            33                     Not Applicable                           --
            34                     Mercantile Policy                       1.099
            35                     Not Applicable                           --
            36                     Service Policy                          1.229
            37                     Industrial/Processing Policy            0.658
            38                     Contractors Policy                      0.949
```

(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.

MICHIGAN

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) Credibility (c)	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.022	1.025	0.8829	1.025	5,000,000
27 to 39 Months	1.000	1.000	0.7084	1.000	15,000,000

Accident Year Ending	Exposure Development From				Factor
	27:15	39:27	ULT:39		
12/31/2016			1.000		1.000
12/31/2017		1.000	1.000		1.000
12/31/2018	1.025	1.000	1.000		1.025

(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) x (4)} + {(2) x {1.000-(4)}}

MICHIGAN
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
12/31/2011	8,738,053	8,761,980	8,762,447	8,763,678	8,763,678	8,763,773	8,763,773	8,763,773
12/31/2012	9,147,383	9,232,659	9,237,221	9,236,813	9,237,388	9,237,388	9,237,388	
12/31/2013	9,661,398	9,828,063	9,739,645	9,741,089	9,741,182	9,741,182		
12/31/2014	10,785,410	11,047,038	11,034,331	11,035,014	11,035,006			
12/31/2015	12,061,442	12,364,413	12,379,137	12,378,612				
12/31/2016	12,687,919	13,031,765	13,037,144					
12/31/2017	12,959,203	13,296,348						
12/31/2018	13,200,292							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2011	1.003	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.009	1.000	1.000	1.000	1.000	1.000	
12/31/2013	1.017	0.991	1.000	1.000	1.000		
12/31/2014	1.024	0.999	1.000	1.000			
12/31/2015	1.025	1.001	1.000				
12/31/2016	1.027	1.000					
12/31/2017	1.026						
12/31/2018							

Average Best 3 of 5

27:15	39:27
1.025	1.000

MULTISTATE
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
12/31/2011	402,939,396	411,400,813	411,106,492	411,069,882	411,039,584	411,052,309	411,052,224	411,052,914
12/31/2012	440,752,735	450,346,818	450,323,727	450,018,512	450,048,049	450,046,154	450,027,591	
12/31/2013	498,518,668	509,510,229	508,843,480	508,797,707	508,829,793	508,799,691		
12/31/2014	550,938,805	564,476,906	564,049,349	564,153,593	564,138,889			
12/31/2015	584,590,720	597,187,349	596,932,950	596,982,581				
12/31/2016	610,932,211	624,043,373	624,287,580					
12/31/2017	631,529,680	641,677,183						
12/31/2018	649,512,149							

LINK RATIOS

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87
12/31/2011	1.021	0.999	1.000	1.000	1.000	1.000	1.000
12/31/2012	1.022	1.000	0.999	1.000	1.000	1.000	
12/31/2013	1.022	0.999	1.000	1.000	1.000		
12/31/2014	1.025	0.999	1.000	1.000			
12/31/2015	1.022	1.000	1.000				
12/31/2016	1.021	1.000					
12/31/2017	1.016						
12/31/2018							

Average Best 3 of 5

27:15	39:27
1.022	1.000

MICHIGAN

Completed Operations
Bodily Injury
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

	(1)	(2)	(3)	(4)	(5)	
	EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
	15 to 27 Months	1.960	4.755	0.5464	3.487	360,000
	27 to 39 Months	1.486	1.795	0.5794	1.665	380,000
	39 to 51 Months	1.091	0.917	0.7112	0.967	410,000
	51 to 63 Months	1.009	0.958	0.7223	0.972	430,000
	63 to 75 Months	1.002	0.865	0.6007	0.920	470,000
	75 to 87 Months	0.983	1.000	0.4953	0.991	500,000
	87 to 99 Months	0.990	1.000	0.5033	0.995	540,000
	99 to 111 Months	0.997	1.000	0.5195	0.999	570,000
	111 to 123 Months	0.992	1.000	0.5771	0.997	610,000
	123 to 135 Months	1.001	1.000	0.5269	1.000	660,000
	135 to 147 Months	1.002	1.000	0.5485	1.001	710,000
	147 to 159 Months	1.001	1.000	0.4581	1.001	760,000
	159 to 171 Months	1.001	1.000	0.4930	1.001	820,000
	171 to 183 Months	1.002	1.000	0.4487	1.001	880,000
	183 to 195 Months	1.000	1.000	0.4567	1.000	950,000
	195 to 207 Months	1.000	1.000	0.4728	1.000	1,000,000
	207 to 219 Months	1.000	1.000	0.5120	1.000	1,100,000
	219 to 231 Months	1.000	1.000	0.4343	1.000	1,200,000
	231 to 243 Months	1.000	1.000	0.2419	1.000	1,300,000
	243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
			Loss Development From								
12/31/2016			0.967	0.972	0.920	0.991	0.995	0.999	0.997	1.000	1.001
12/31/2017		1.665	0.967	0.972	0.920	0.991	0.995	0.999	0.997	1.000	1.001
12/31/2018	3.487	1.665	0.967	0.972	0.920	0.991	0.995	0.999	0.997	1.000	1.001

Accident Year Ending	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
12/31/2016	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	0.853
12/31/2017	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.420
12/31/2018	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	4.950

(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) x (4)} + {(2) x {1.000-(4)}}

```
                                MICHIGAN


                          Completed Operations
                             Bodily Injury
                             Full Coverage
                                 ALAE

                Calculation of Cumulative Incremental Factors

              (1)                (2)

          EVALUATION        MULTISTATE
            PERIOD          RATIO (A)

     15 to   27 Months        0.0604
     27 to   39 Months        0.1264
     39 to   51 Months        0.1138
     51 to   63 Months        0.0832
     63 to   75 Months        0.0471
     75 to   87 Months        0.0277
     87 to   99 Months        0.0098
     99 to  111 Months        0.0117
    111 to  123 Months        0.0078
    123 to  135 Months        0.0027
    135 to  147 Months        0.0054
    147 to  159 Months        0.0055
    159 to  171 Months        0.0031
    171 to Ultimate     A multistate link ratio factor of 1.012 has been used.


                         Cumulative Incremental Factors
       Months-to-Ultimate     15      27      39      51      63      75      87
                            0.505   0.444   0.318   0.204   0.121   0.074   0.046

       Months-to-Ultimate     99     111     123     135     147     159     171
                            0.036   0.024   0.017   0.014   0.009   0.003   0.000


              Reported ALAE     $500,000        ALAE    Additional    ALAE at    171-Ultimate  Ultimate
    A.Y.E     as of 3/31/19   Ultimate Indemnity Factor    ALAE      171 Months    Factor       ALAE
 12/31/2016       59,397          147,989       0.318     47,059      106,456      1.012       107,730
 12/31/2017       66,281        1,101,771       0.444    489,186      555,467      1.012       562,130
 12/31/2018            0          458,678       0.505    231,633      231,633      1.012       234,411


    (A) See Section G - Multistate Loss Development.
    Note: Completed Operations Incremental ALAE Factors are calculated using multistate data.
```

MICHIGAN

Completed Operations
Property Damage
Full Coverage
Incurred Losses excluding ALAE

Calculation of Loss Development Factors

	(1)	(2)	(3)	(4)	(5)
	EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY(C)	WEIGHTED RATIO (D)	Credibility Constant(Ki)
15 to 27 Months	1.185	1.177	0.7419	1.179	1,100,000
27 to 39 Months	1.095	1.058	0.7184	1.068	1,200,000
39 to 51 Months	1.046	0.960	0.7396	0.982	1,200,000
51 to 63 Months	1.037	1.014	0.6886	1.021	1,300,000
63 to 75 Months	1.032	0.999	0.6609	1.010	1,400,000
75 to 87 Months	1.028	1.003	0.6320	1.012	1,500,000
87 to 99 Months	1.028	1.010	0.6809	1.016	1,600,000
99 to 111 Months	1.042	0.993	0.7230	1.007	1,700,000
111 to 123 Months	1.016	1.001	0.7354	1.005	1,800,000
123 to 135 Months	1.027	1.000	0.7290	1.007	2,000,000
135 to 147 Months	1.012	0.996	0.7026	1.001	2,100,000
147 to 159 Months	1.009	1.000	0.6637	1.003	2,300,000
159 to 171 Months	1.005	1.000	0.6393	1.002	2,400,000
171 to 183 Months	1.004	1.000	0.6143	1.002	2,600,000
183 to 195 Months	1.002	1.000	0.5986	1.001	2,800,000
195 to 207 Months	1.002	1.000	0.6351	1.001	3,000,000
207 to 219 Months	1.002	1.000	0.6350	1.001	3,200,000
219 to 231 Months	1.002	1.000	0.5481	1.001	3,400,000
231 to 243 Months	1.002	1.000	0.3093	1.001	3,700,000
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
12/31/2016			0.982	1.021	1.010	1.012	1.016	1.007	1.005	1.007	1.001
12/31/2017		1.068	0.982	1.021	1.010	1.012	1.016	1.007	1.005	1.007	1.001
12/31/2018	1.179	1.068	0.982	1.021	1.010	1.012	1.016	1.007	1.005	1.007	1.001

Accident Year Ending	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
12/31/2016	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.008	1.084
12/31/2017	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.008	1.157
12/31/2018	1.003	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.008	1.364

(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) x (4)} + {(2) x {1.000-(4)}}

```
                                    MICHIGAN


                             Completed Operations
                              Property Damage
                               Full Coverage
                                   ALAE

                    Calculation of Cumulative Incremental Factors

            (1)                 (2)

         EVALUATION          MULTISTATE
           PERIOD            RATIO (A)

       15 to  27 Months        0.0686
       27 to  39 Months        0.0750
       39 to  51 Months        0.0707
       51 to  63 Months        0.0579
       63 to  75 Months        0.0463
       75 to  87 Months        0.0344
       87 to  99 Months        0.0306
       99 to 111 Months        0.0332
      111 to 123 Months        0.0328
      123 to 135 Months        0.0302
      135 to 147 Months        0.0192
      147 to 159 Months        0.0178
      159 to 171 Months        0.0075
      171 to Ultimate      A multistate link ratio factor of 1.032 has been used.



                            Cumulative Incremental Factors
        Months-to-Ultimate      15       27       39       51       63       75       87
                              0.524    0.456    0.381    0.310    0.252    0.206    0.171

        Months-to-Ultimate      99      111      123      135      147      159      171
                              0.141    0.108    0.075    0.044    0.025    0.007    0.000


                Reported ALAE      $500,000        ALAE    Additional    ALAE at    171-Ultimate   Ultimate
      A.Y.E     as of 3/31/19  Ultimate Indemnity  Factor     ALAE      171 Months     Factor        ALAE
   12/31/2016       395,020        1,787,022       0.381     680,855    1,075,875      1.032       1,110,294
   12/31/2017       154,827        2,836,731       0.456   1,293,549    1,448,376      1.032       1,494,713
   12/31/2018       122,992        3,252,063       0.524   1,704,082    1,827,074      1.032       1,885,525


     (A) See Section G - Multistate Loss Development.
     Note: Completed Operations Incremental ALAE Factors are calculated using multistate data.
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COMPLETED OPERATIONS (Subline Code 336)
FULL COVERAGE
MICHIGAN
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	200,292	366,792	424,392	533,108	486,808	488,308	464,808	464,808	464,808	464,808	414,808
12/31/2000	246,882	472,454	489,754	656,804	581,454	491,454	506,454	506,454	506,454	506,454	506,454
12/31/2001	243,702	257,395	268,834	261,085	232,798	232,798	232,798	232,798	232,798	232,798	232,798
12/31/2002	72,550	259,984	371,436	293,835	347,436	157,436	157,436	157,436	157,436	157,436	157,436
12/31/2003	266,172	288,339	301,738	396,839	378,339	416,340	408,339	408,339	408,339	408,339	408,339
12/31/2004	196,756	251,450	165,411	151,081	150,411	150,411	150,411	150,411	150,411	150,411	150,411
12/31/2005	144,000	244,851	289,851	238,851	238,851	313,851	238,492	238,492	238,492	238,492	238,492
12/31/2006	47,184	95,184	153,684	188,684	188,684	253,684	253,684	253,684	253,684	253,684	253,684
12/31/2007	1,500	107,000	124,500	230,508	320,500	270,500	270,500	270,500	370,500	370,500	370,500
12/31/2008	102,000	75,568	97,798	111,000	111,000	111,000	111,000	111,000	111,000	111,000	111,000
12/31/2009	79,000	355,850	505,207	237,500	352,500	352,500	351,032	351,032	351,032	351,032	
12/31/2010	81,000	195,790	104,250	96,750	253,221	154,250	154,250	154,250	154,250		
12/31/2011	136,350	238,250	167,000	142,000	142,000	42,000	42,000	42,000			
12/31/2012	89,599	123,408	344,591	350,097	295,408	294,408	294,408				
12/31/2013	5,081	165,634	326,243	304,867	269,746	267,081					
12/31/2014	21,600	227,697	478,966	463,600	458,600						
12/31/2015	264,005	155,936	204,542	154,284							
12/31/2016	120,933	139,884	150,091								
12/31/2017	48,730	125,000									
12/31/2018	43,125										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	414,808	414,808	414,808	414,808	414,808	414,808	414,808	414,808	414,808
12/31/2000	506,454	506,454	506,454	506,454	506,454	506,454	506,454	506,454	
12/31/2001	232,798	232,798	232,798	232,798	232,798	232,798	232,798		
12/31/2002	157,436	157,436	157,436	157,436	157,436	157,436			
12/31/2003	408,339	408,339	408,339	408,339	408,339				
12/31/2004	150,411	150,411	150,411	150,411					
12/31/2005	238,492	238,492	238,492						
12/31/2006	253,684	253,684							
12/31/2007	370,500								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.831	1.157	1.256	0.913	1.003	0.952	1.000	1.000	1.000	0.892	1.000
12/31/2000	1.914	1.037	1.341	0.885	0.845	1.031	1.000	1.000	1.000	1.000	1.000
12/31/2001	1.056	1.044	0.971	0.892	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2002	3.584	1.429	0.791	1.182	0.453	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.083	1.046	1.315	0.953	1.100	0.981	1.000	1.000	1.000	1.000	1.000
12/31/2004	1.278	0.658	0.913	0.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.700	1.184	0.824	1.000	1.314	0.760	1.000	1.000	1.000	1.000	1.000
12/31/2006	2.017	1.615	1.228	1.000	1.344	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	71.333	1.164	1.851	1.390	0.844	1.000	1.370	1.000	1.000	1.000	1.000
12/31/2008	0.741	1.294	1.135	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
12/31/2009	4.504	1.420	0.470	1.484	1.000	0.996	1.000	1.000	1.000		
12/31/2010	2.417	0.532	0.928	2.617	0.609	1.000	1.000	1.000			
12/31/2011	1.747	0.701	0.850	1.000	0.296	1.000	1.000				
12/31/2012	1.377	2.792	1.016	0.844	0.997	1.000					
12/31/2013	32.599	1.970	0.934	0.885	0.990						
12/31/2014	10.542	2.104	0.968	0.989							
12/31/2015	0.591	1.312	0.754								
12/31/2016	1.157	1.073									
12/31/2017	2.565										
3 Yr Mean	1.438	1.496	0.885	0.906	0.761	1.000	1.000	1.000	1.000	1.000	1.000
Best 3/5	4.755	1.795	0.917	0.958	0.865	1.000	1.000	1.000	1.000	1.000	1.000

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.865	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015				0.958	0.865	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016			0.917	0.958	0.865	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017		1.795	0.917	0.958	0.865	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018	4.755	1.795	0.917	0.958	0.865	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.865
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.829
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.760
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.364
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	6.486

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

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

Allocated Expenses as of:

A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	12,293	51,275	177,319	343,807	396,757	512,013	520,058	528,632	529,889	529,889	530,489
12/31/2000	19,091	97,413	192,721	273,748	308,850	310,707	322,540	322,540	322,540	322,540	322,540
12/31/2001	13,203	46,891	127,352	255,591	257,705	257,109	257,109	257,109	280,684	280,684	280,684
12/31/2002	11,493	57,118	92,325	134,858	180,488	120,243	120,243	120,243	120,243	120,243	120,243
12/31/2003	41,522	40,253	40,253	51,385	84,346	141,498	142,414	142,414	142,414	142,414	142,414
12/31/2004	7,024	40,252	68,513	74,385	75,855	75,855	75,855	75,855	75,855	75,855	75,855
12/31/2005	3,938	6,045	110,534	97,055	97,055	103,154	144,528	144,528	144,528	144,528	144,528
12/31/2006	8,083	27,384	33,648	41,425	52,004	53,590	53,590	53,590	53,590	53,590	53,590
12/31/2007	0	50,631	166,371	257,197	287,660	356,855	356,855	360,291	360,291	360,291	360,291
12/31/2008	14,999	37,112	56,419	61,733	87,776	94,820	94,820	94,820	94,820	94,820	94,820
12/31/2009	0	38,818	112,123	188,091	315,311	316,064	316,064	316,064	316,064	316,064	
12/31/2010	4,086	44,186	51,313	73,340	163,342	231,730	247,837	247,837	247,837		
12/31/2011	16,176	264,405	306,707	318,295	336,486	338,246	338,246	338,246			
12/31/2012	16,345	64,357	125,951	202,213	193,444	193,057	193,057				
12/31/2013	1	17,459	86,823	253,450	291,487	264,799					
12/31/2014	7,020	86,415	246,511	269,089	284,624						
12/31/2015	20,276	109,282	236,193	272,212							
12/31/2016	5,235	19,166	59,397								
12/31/2017	1,271	39,704									
12/31/2018	0										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	530,489	530,489	530,489	530,489	530,489	530,489	530,489	532,926	542,036
12/31/2000	322,540	322,540	323,712	323,712	323,712	323,712	323,712	323,712	
12/31/2001	280,684	280,684	280,684	280,684	280,684	281,710	281,710		
12/31/2002	120,243	120,243	120,243	120,243	120,243	120,243			
12/31/2003	142,414	142,414	142,414	142,414	142,414				
12/31/2004	75,855	75,855	75,855	75,855					
12/31/2005	144,528	144,528	144,528						
12/31/2006	53,590	53,590							
12/31/2007	360,291								

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	1,126,119	1,247,529	1,278,946	1,614,192	1,705,547	1,664,458	1,693,458	1,657,185	1,658,185	1,667,185	1,657,185
12/31/2000	1,680,320	2,181,505	2,165,850	2,441,876	2,379,746	2,456,644	2,488,894	2,553,311	2,515,862	2,468,362	2,466,122
12/31/2001	1,147,017	1,189,394	1,360,855	1,431,223	1,412,669	1,457,370	1,473,370	1,443,421	1,448,421	1,448,681	1,448,370
12/31/2002	1,073,666	1,076,587	1,206,669	1,362,202	1,339,262	1,291,756	1,292,732	1,291,808	1,294,067	1,291,755	1,333,005
12/31/2003	1,357,011	1,392,501	1,403,915	1,399,512	1,385,659	1,369,770	1,432,538	1,401,191	1,402,191	1,416,190	1,416,190
12/31/2004	1,716,808	1,527,990	1,519,543	1,334,708	1,394,265	1,530,190	1,414,215	1,414,215	1,414,215	1,414,215	1,414,215
12/31/2005	954,684	1,069,966	1,256,190	1,303,378	1,415,962	1,429,772	1,472,631	1,472,632	1,462,631	1,462,631	1,440,220
12/31/2006	1,142,377	1,635,010	1,664,175	1,734,390	1,677,797	1,637,457	1,619,857	1,699,860	1,669,860	1,733,195	1,748,291
12/31/2007	1,023,228	1,409,994	1,611,198	1,803,067	1,775,390	1,801,186	1,816,112	1,771,842	1,771,842	1,771,842	1,771,842
12/31/2008	1,680,579	1,917,905	1,726,321	1,862,987	1,985,338	1,911,327	1,821,945	1,875,172	1,868,798	1,875,298	1,875,298
12/31/2009	1,526,596	1,313,366	1,286,885	1,285,254	1,366,290	1,362,611	1,362,611	1,362,615	1,362,611	1,362,611	
12/31/2010	916,500	1,129,725	1,264,251	1,126,746	1,133,953	1,140,553	1,151,053	1,199,053	1,174,053		
12/31/2011	795,114	870,602	1,044,749	875,395	900,395	900,395	900,395	900,395			
12/31/2012	476,596	819,473	623,238	538,135	551,611	535,611	539,677				
12/31/2013	800,760	973,462	1,325,286	1,264,970	1,277,116	1,277,116					
12/31/2014	847,391	958,053	1,008,690	1,071,895	1,070,903						
12/31/2015	789,870	934,949	1,074,940	1,233,679							
12/31/2016	1,085,495	1,167,681	1,135,003								
12/31/2017	1,286,688	1,690,683									
12/31/2018	1,215,306										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	1,657,185	1,657,185	1,657,185	1,657,185	1,657,185	1,657,185	1,657,185	1,657,185	1,657,185
12/31/2000	2,465,811	2,465,811	2,465,811	2,465,811	2,465,811	2,465,811	2,465,811	2,465,811	
12/31/2001	1,448,370	1,448,370	1,448,370	1,448,370	1,443,370	1,443,370	1,443,370		
12/31/2002	1,311,255	1,311,255	1,311,255	1,311,255	1,311,255	1,311,255			
12/31/2003	1,416,190	1,416,190	1,416,190	1,416,190	1,416,190				
12/31/2004	1,414,215	1,414,215	1,414,215	1,414,215					
12/31/2005	1,422,631	1,422,631	1,422,631						
12/31/2006	1,701,291	1,701,191							
12/31/2007	1,771,842								

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.108	1.025	1.262	1.057	0.976	1.017	0.979	1.001	1.005	0.994	1.000
12/31/2000	1.298	0.993	1.127	0.975	1.032	1.013	1.026	0.985	0.981	0.999	1.000
12/31/2001	1.037	1.144	1.052	0.987	1.032	1.011	0.980	1.003	1.000	1.000	1.000
12/31/2002	1.003	1.121	1.129	0.983	0.965	1.001	0.999	1.002	0.998	1.032	0.984
12/31/2003	1.026	1.008	0.997	0.990	0.989	1.046	0.978	1.001	1.010	1.000	1.000
12/31/2004	0.890	0.994	0.878	1.045	1.097	0.924	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.121	1.174	1.038	1.086	1.010	1.030	1.000	0.993	1.000	0.985	0.988
12/31/2006	1.431	1.018	1.042	0.967	0.976	0.989	1.049	0.982	1.038	1.009	0.973
12/31/2007	1.378	1.143	1.119	0.985	1.015	1.008	0.976	1.000	1.000	1.000	1.000
12/31/2008	1.141	0.900	1.079	1.066	0.963	0.953	1.029	0.997	1.003	1.000	
12/31/2009	0.860	0.980	0.999	1.063	0.997	1.000	1.000	1.000	1.000		
12/31/2010	1.233	1.119	0.891	1.006	1.006	1.009	1.042	0.979			
12/31/2011	1.095	1.200	0.838	1.029	1.000	1.000	1.000				
12/31/2012	1.719	0.761	0.863	1.025	0.971	1.008					
12/31/2013	1.216	1.361	0.954	1.010	1.000						
12/31/2014	1.131	1.053	1.063	0.999							
12/31/2015	1.184	1.150	1.148								
12/31/2016	1.076	0.972									
12/31/2017	1.314										
3 Yr Mean	1.191	1.058	1.055	1.011	0.990	1.006	1.014	0.992	1.001	1.003	0.987
Best 3/5	1.177	1.058	0.960	1.014	0.999	1.003	1.010	0.993	1.001	1.000	0.996

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

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.999	1.003	1.010	0.993	1.001	1.000	0.996
12/31/2015				1.014	0.999	1.003	1.010	0.993	1.001	1.000	0.996
12/31/2016			0.960	1.014	0.999	1.003	1.010	0.993	1.001	1.000	0.996
12/31/2017		1.058	0.960	1.014	0.999	1.003	1.010	0.993	1.001	1.000	0.996
12/31/2018	1.177	1.058	0.960	1.014	0.999	1.003	1.010	0.993	1.001	1.000	0.996

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.002
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.016
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.975
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.032
12/31/2018	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.215

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

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

Allocated Expenses as of:

A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	17,291	184,042	346,804	503,815	620,543	665,441	687,429	686,043	686,043	686,043	686,043
12/31/2000	77,221	193,346	421,226	561,049	661,230	936,056	967,940	1,012,188	1,007,150	1,007,150	1,007,378
12/31/2001	55,866	195,610	479,970	624,611	660,811	688,311	706,072	713,363	714,772	717,729	717,729
12/31/2002	66,402	194,566	345,882	545,736	621,124	666,670	664,273	696,971	742,051	736,546	740,686
12/31/2003	168,256	439,862	736,378	810,487	825,682	827,447	842,131	908,998	919,021	934,150	934,150
12/31/2004	176,276	361,881	578,703	656,149	689,470	703,017	775,121	788,271	788,271	788,271	788,271
12/31/2005	60,308	223,122	382,019	519,716	606,873	647,821	660,062	671,467	694,351	698,811	699,805
12/31/2006	140,464	336,484	576,838	737,117	839,980	839,305	839,971	900,054	886,978	901,606	913,133
12/31/2007	68,388	182,503	297,929	445,637	520,494	594,494	618,711	618,711	618,796	618,796	618,796
12/31/2008	132,665	402,598	626,332	647,437	794,469	905,932	973,462	995,040	1,010,453	1,018,164	1,018,164
12/31/2009	146,727	240,836	417,007	683,605	735,614	748,965	782,072	863,080	878,364	878,364	
12/31/2010	116,615	513,606	917,564	965,059	985,576	990,116	994,069	1,001,800	1,006,823		
12/31/2011	73,217	124,488	148,630	202,608	209,805	251,432	251,585	251,585			
12/31/2012	52,598	109,680	158,250	168,536	251,542	286,296	290,908				
12/31/2013	93,914	180,633	308,977	466,221	486,415	490,358					
12/31/2014	95,545	159,527	350,625	668,963	661,733						
12/31/2015	64,721	148,453	291,860	346,728							
12/31/2016	108,333	264,654	372,626								
12/31/2017	98,370	152,499									
12/31/2018	117,758										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	686,043	686,043	686,043	686,043	686,043	686,043	686,043	686,043	686,043
12/31/2000	1,007,378	1,007,378	1,007,378	1,007,378	1,007,378	1,007,378	1,007,378	1,007,378	
12/31/2001	717,729	717,729	717,729	717,729	717,728	717,728	717,728		
12/31/2002	743,544	743,544	743,544	743,544	743,544	743,544			
12/31/2003	934,150	934,150	934,150	934,150	934,150				
12/31/2004	788,271	788,271	788,271	788,271					
12/31/2005	699,805	699,805	699,805						
12/31/2006	907,633	907,533							
12/31/2007	618,796								

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	4,956,833	6,997,254	9,702,054	11,503,345	11,550,057	11,806,217	11,486,813	11,275,709	11,277,262	11,301,812	11,324,606
12/31/2000	3,161,020	7,032,572	9,020,885	10,626,496	10,512,292	10,857,836	10,356,898	10,420,083	10,270,732	10,309,376	10,306,797
12/31/2001	3,122,564	6,716,472	8,908,525	9,878,483	10,467,130	10,520,411	10,353,113	10,107,990	10,003,388	9,901,935	9,923,305
12/31/2002	2,897,561	6,865,145	9,002,579	9,805,765	10,739,856	10,865,771	11,151,148	11,357,869	11,502,501	11,555,831	11,589,549
12/31/2003	3,612,890	6,617,194	9,969,513	10,646,523	10,531,387	10,340,245	10,114,947	10,077,141	10,060,673	10,097,074	10,148,084
12/31/2004	4,686,540	7,094,003	9,584,995	10,682,560	10,795,982	10,316,931	10,629,712	10,584,946	10,568,534	10,603,697	10,708,555
12/31/2005	4,166,570	7,107,994	9,954,107	11,194,209	10,993,689	11,195,470	11,511,084	11,421,373	11,338,779	11,435,715	11,391,261
12/31/2006	4,486,358	8,514,115	12,455,387	13,076,313	12,929,083	13,111,153	12,966,886	13,179,515	13,090,804	13,005,483	12,932,373
12/31/2007	4,289,508	8,282,118	11,145,959	12,269,098	12,290,037	12,327,570	12,034,326	12,184,965	12,381,873	12,167,398	12,147,985
12/31/2008	4,236,718	7,704,790	10,965,360	11,869,482	11,630,179	11,626,770	12,289,095	12,070,191	12,126,593	12,082,352	12,246,758
12/31/2009	4,868,191	7,733,590	10,813,605	11,349,866	11,444,053	11,835,965	11,440,685	11,428,102	11,314,699	11,155,367	
12/31/2010	4,787,074	9,758,644	12,146,043	13,409,582	14,363,567	14,411,482	13,965,812	13,822,151	13,714,384		
12/31/2011	4,592,218	7,281,911	10,926,404	12,942,917	12,904,776	11,881,715	11,971,646	11,755,069			
12/31/2012	3,366,624	7,210,935	13,070,709	12,851,616	13,154,080	13,084,601	12,729,945				
12/31/2013	4,432,335	9,778,399	11,756,233	13,418,362	13,483,211	13,579,893					
12/31/2014	5,447,688	8,149,646	12,314,193	13,091,886	12,678,787						
12/31/2015	4,437,364	8,197,069	12,273,824	13,104,598							
12/31/2016	3,002,552	8,418,869	12,205,818								
12/31/2017	5,253,013	9,593,527									
12/31/2018	6,008,084										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	11,281,838	11,243,570	11,229,697	11,229,396	11,229,397	11,229,396	11,229,396	11,229,395	11,229,395
12/31/2000	10,343,090	10,395,934	10,338,583	10,391,837	10,386,833	10,401,832	10,401,832	10,400,282	
12/31/2001	9,974,307	9,977,990	10,015,032	10,058,239	10,034,875	10,004,674	10,099,719		
12/31/2002	11,522,754	11,553,287	11,697,521	11,698,231	11,687,193	11,731,321			
12/31/2003	10,183,588	10,196,646	10,235,388	10,215,387	10,215,887				
12/31/2004	10,772,825	10,969,285	10,905,069	10,912,070					
12/31/2005	11,284,522	11,236,614	11,175,273						
12/31/2006	12,934,372	12,926,819							
12/31/2007	12,172,480								

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                    COMPLETED OPERATIONS (Subline Code 336)
                               FULL COVERAGE
                                 MULTISTATE
                          BODILY INJURY - OCCURRENCE
           INCURRED ACCIDENT YEAR  BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
                                  Link Ratios
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A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.412	1.387	1.186	1.004	1.022	0.973	0.982	1.000	1.002	1.002	0.996
12/31/2000	2.225	1.283	1.178	0.989	1.033	0.954	1.006	0.986	1.004	1.000	1.004
12/31/2001	2.151	1.326	1.109	1.060	1.005	0.984	0.976	0.990	0.990	1.002	1.005
12/31/2002	2.369	1.311	1.089	1.095	1.012	1.026	1.019	1.013	1.005	1.003	0.994
12/31/2003	1.832	1.507	1.068	0.989	0.982	0.978	0.996	0.998	1.004	1.005	1.003
12/31/2004	1.514	1.351	1.115	1.011	0.956	1.030	0.996	0.998	1.003	1.010	1.006
12/31/2005	1.706	1.400	1.125	0.982	1.018	1.028	0.992	0.993	1.009	0.996	0.991
12/31/2006	1.898	1.463	1.050	0.989	1.014	0.989	1.016	0.993	0.993	0.994	1.000
12/31/2007	1.931	1.346	1.101	1.002	1.003	0.976	1.013	1.016	0.983	0.998	1.002
12/31/2008	1.819	1.423	1.082	0.980	1.000	1.057	0.982	1.005	0.996	1.014	
12/31/2009	1.589	1.398	1.050	1.008	1.034	0.967	0.999	0.990	0.986		
12/31/2010	2.039	1.245	1.104	1.071	1.003	0.969	0.990	0.992			
12/31/2011	1.586	1.500	1.185	0.997	0.921	1.008	0.982				
12/31/2012	2.142	1.813	0.983	1.024	0.995	0.973					
12/31/2013	2.206	1.202	1.141	1.005	1.007						
12/31/2014	1.496	1.511	1.063	0.968							
12/31/2015	1.847	1.497	1.068								
12/31/2016	2.804	1.450									
12/31/2017	1.826										
3 Yr Mean	2.159	1.486	1.091	0.999	0.974	0.983	0.990	0.996	0.988	1.002	0.998
Best 3/5	1.960	1.486	1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.005	0.994	1.005	1.000	1.001	1.000	1.000	1.000 *
12/31/2001	1.000	1.004	1.004	0.998	0.997	1.010	1.000 *	1.000 *
12/31/2002	1.003	1.012	1.000	0.999	1.004	1.000 *	1.000 *	1.000 *
12/31/2003	1.001	1.004	0.998	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.018	0.994	1.001					
12/31/2005	0.996	0.995						
12/31/2006	0.999							
3 Yr Mean	1.004	0.998	1.000	0.999	1.001 @	1.003 @	1.000 @	1.000 @
Best 3/5	1.001	1.001	1.002	1.000	1.000 *	1.000 *	1.000 *	1.000 *

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                                Development From
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A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2015				1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2016			1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2017		1.486	1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002
12/31/2018	1.960	1.486	1.091	1.009	1.002	0.983	0.990	0.997	0.992	1.001	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	0.971
12/31/2015	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	0.980
12/31/2016	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.069
12/31/2017	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	1.589
12/31/2018	1.001	1.001	1.002	1.000	1.000	1.000	1.000	1.000	1.000*	3.114

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   *  Calculated Using Modified Bondy Method
   @  Three year mean Excludes Modified Bondy ratios
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COMPLETED OPERATIONS (Subline Code 336)
DEDUCTIBLE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	404,714	874,417	1,874,163	2,237,696	2,297,649	1,809,642	1,786,359	1,845,557	1,883,682	1,920,172	1,991,256
12/31/2000	350,798	514,262	1,161,368	1,461,454	1,251,531	1,824,321	1,645,592	1,526,792	1,602,111	1,592,811	1,521,613
12/31/2001	341,894	717,993	931,446	983,561	925,921	1,006,703	1,264,056	1,362,273	1,314,023	1,301,223	1,308,023
12/31/2002	229,242	650,739	1,124,018	1,164,317	1,373,666	1,361,220	1,672,423	1,722,423	1,546,341	1,493,066	1,515,902
12/31/2003	319,688	867,685	1,366,084	1,255,628	1,211,547	1,314,289	1,316,395	1,340,895	1,420,195	1,420,197	1,443,795
12/31/2004	267,810	621,021	1,029,012	1,052,518	1,091,198	1,010,394	847,293	874,261	891,150	878,580	829,980
12/31/2005	666,837	1,045,465	1,124,246	1,101,235	1,202,588	1,059,558	1,149,104	1,150,432	1,118,532	1,252,441	1,197,866
12/31/2006	818,931	1,320,993	1,476,958	1,588,453	1,683,437	1,415,017	1,390,016	1,610,616	1,750,067	1,700,298	1,596,566
12/31/2007	270,668	948,364	953,464	1,093,194	1,160,444	1,273,644	1,213,956	1,206,781	1,181,807	1,181,308	1,229,358
12/31/2008	288,189	736,486	765,196	902,388	835,573	1,014,521	1,107,977	1,245,724	1,258,771	1,196,313	1,195,313
12/31/2009	566,791	1,045,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244	1,038,243	1,153,243	
12/31/2010	641,422	781,803	1,438,274	1,851,833	1,583,598	1,516,454	1,441,164	1,487,665	1,582,736		
12/31/2011	270,205	819,627	1,230,077	1,689,436	1,722,481	1,706,863	1,706,863	1,706,863			
12/31/2012	383,511	1,139,597	1,405,578	1,652,860	1,649,357	1,695,210	1,692,710				
12/31/2013	1,675,399	2,417,513	2,662,315	2,672,081	2,667,808	2,768,307					
12/31/2014	1,950,981	2,466,662	2,836,296	3,126,175	3,209,813						
12/31/2015	980,710	1,453,033	1,925,708	2,328,985							
12/31/2016	1,110,372	2,429,268	2,968,685								
12/31/2017	554,719	1,996,465									
12/31/2018	870,529										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	1,986,257	1,921,257	1,867,257	1,867,257	1,867,260	1,867,257	1,867,257	1,867,257	1,867,257
12/31/2000	1,538,613	1,533,111	1,503,111	1,570,611	1,565,611	1,565,611	1,566,111	1,567,161	
12/31/2001	1,261,828	1,261,831	1,309,828	1,274,827	1,274,828	1,299,828	1,332,327		
12/31/2002	1,467,700	1,579,904	1,581,334	1,581,333	1,581,333	1,681,332			
12/31/2003	1,446,695	1,424,195	1,423,696	1,423,696	1,523,695				
12/31/2004	828,318	828,219	833,218	933,217					
12/31/2005	1,237,867	1,311,837	1,312,086						
12/31/2006	1,555,316	1,655,313							
12/31/2007	1,438,357								

DEDUCTIBLE
MULTISTATE
BODILY INJURY - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	2.161	2.143	1.194	1.027	0.788	0.987	1.033	1.021	1.019	1.037	0.997
12/31/2000	1.466	2.258	1.258	0.856	1.458	0.902	0.928	1.049	0.994	0.955	1.011
12/31/2001	2.100	1.297	1.056	0.941	1.087	1.256	1.078	0.965	0.990	1.005	0.965
12/31/2002	2.839	1.727	1.036	1.180	0.991	1.229	1.030	0.898	0.966	1.015	0.968
12/31/2003	2.714	1.574	0.919	0.965	1.085	1.002	1.019	1.059	1.000	1.017	1.002
12/31/2004	2.319	1.657	1.023	1.037	0.926	0.839	1.032	1.019	0.986	0.945	0.998
12/31/2005	1.568	1.075	0.980	1.092	0.881	1.085	1.001	0.972	1.120	0.956	1.033
12/31/2006	1.613	1.118	1.075	1.060	0.841	0.982	1.159	1.087	0.972	0.939	0.974
12/31/2007	3.504	1.005	1.147	1.062	1.098	0.953	0.994	0.979	1.000	1.041	1.170
12/31/2008	2.556	1.039	1.179	0.926	1.214	1.092	1.124	1.010	0.950	0.999	
12/31/2009	1.844	1.023	1.182	0.858	1.064	0.952	0.999	0.946	1.111		
12/31/2010	1.219	1.840	1.288	0.855	0.958	0.950	1.032	1.064			
12/31/2011	3.033	1.501	1.373	1.020	0.991	1.000	1.000				
12/31/2012	2.971	1.233	1.176	0.998	1.028	0.999					
12/31/2013	1.443	1.101	1.004	0.998	1.038						
12/31/2014	1.264	1.150	1.102	1.027							
12/31/2015	1.482	1.325	1.209								
12/31/2016	2.188	1.222									
12/31/2017	3.599										
3 Yr Mean	2.423	1.232	1.105	1.008	1.019	0.983	1.010	1.007	1.020	0.993	1.059
Best 3/5	1.704	1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	0.967	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	0.996	0.980	1.045	0.997	1.000	1.000	1.001	1.002 *
12/31/2001	1.000	1.038	0.973	1.000	1.020	1.025	1.004 *	1.002 *
12/31/2002	1.076	1.001	1.000	1.000	1.063	1.007 *	1.004 *	1.002 *
12/31/2003	0.984	1.000	1.000	1.070	1.000 *	1.007 *	1.004 *	1.002 *
12/31/2004	1.000	1.006	1.120					
12/31/2005	1.060	1.000						
12/31/2006	1.064							
3 Yr Mean	1.041	1.002	1.040	1.023	1.028 @	1.008 @	1.001 @	1.000 @
Best 3/5	1.041	1.002	1.015	1.000	1.007 *	1.005 *	1.003 *	1.002 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2015				1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2016			1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2017		1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011
12/31/2018	1.704	1.202	1.162	1.005	1.019	0.984	1.010	1.018	1.028	0.967	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.120
12/31/2015	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.126
12/31/2016	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.308
12/31/2017	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	1.572
12/31/2018	1.041	1.002	1.015	1.000	1.007	1.005	1.003	1.002	1.004*	2.679

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

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

Allocated Expenses as of:

A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	890,508	1,598,954	3,254,883	5,425,757	6,421,483	7,327,626	7,305,050	7,918,594	8,530,517	8,648,466	8,917,435
12/31/2000	643,848	2,331,874	3,566,128	5,837,479	6,471,043	7,149,476	7,182,915	7,183,356	7,234,045	7,482,173	7,492,689
12/31/2001	564,536	1,841,013	3,740,473	5,597,252	7,365,879	8,104,983	8,750,061	8,750,391	8,813,420	8,823,647	8,795,893
12/31/2002	654,307	2,802,220	4,513,704	7,859,619	8,633,167	10,041,112	10,369,555	10,736,012	10,986,348	11,002,397	11,074,764
12/31/2003	1,047,161	2,229,991	4,639,200	7,434,876	8,340,416	9,003,483	9,652,654	9,648,716	9,520,081	9,559,102	9,611,250
12/31/2004	541,289	1,809,061	4,208,694	6,668,763	8,457,521	9,621,299	10,825,994	10,459,506	10,530,647	10,559,053	10,882,331
12/31/2005	737,161	1,341,851	3,695,927	6,083,030	7,439,433	8,214,925	8,761,458	8,973,491	9,291,777	9,584,330	9,754,869
12/31/2006	889,126	3,634,712	6,271,204	7,909,774	9,265,894	10,466,936	11,033,230	11,367,400	11,641,649	11,656,624	11,635,939
12/31/2007	817,267	2,516,874	5,470,176	9,150,556	10,174,735	10,788,755	11,080,063	11,364,093	11,545,473	11,658,184	11,686,938
12/31/2008	825,433	1,909,021	4,206,120	6,424,317	8,462,232	9,680,025	10,405,279	10,968,718	11,666,928	14,924,775	14,717,385
12/31/2009	544,523	1,995,974	4,184,545	6,498,331	8,786,455	9,366,439	9,651,394	9,873,136	9,885,249	10,002,293	
12/31/2010	797,308	2,771,965	5,305,585	7,969,842	10,483,462	11,590,011	12,445,934	12,482,184	12,868,867		
12/31/2011	779,416	1,912,711	4,295,522	7,598,311	9,969,328	10,824,179	11,313,052	11,440,687			
12/31/2012	284,923	1,563,412	5,459,116	8,055,321	9,703,087	11,271,406	11,948,835				
12/31/2013	518,869	2,133,963	4,889,049	8,365,829	10,301,339	11,660,764					
12/31/2014	543,643	2,213,840	5,318,837	7,434,580	8,571,200						
12/31/2015	462,007	1,841,087	4,870,573	7,051,384							
12/31/2016	405,440	1,822,495	3,879,852								
12/31/2017	634,607	2,440,841									
12/31/2018	431,665										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	9,111,478	9,008,442	8,999,982	9,001,121	9,001,346	9,001,814	8,999,916	9,002,839	9,011,923
12/31/2000	7,605,229	7,601,711	7,591,025	7,596,838	7,600,594	7,612,821	7,620,353	7,631,608	
12/31/2001	8,828,357	8,817,081	8,829,441	8,899,194	8,903,841	8,914,042	8,917,930		
12/31/2002	11,145,226	11,313,906	11,401,767	11,504,625	11,516,458	11,775,404			
12/31/2003	9,722,536	9,760,173	9,837,471	9,854,237	9,869,654				
12/31/2004	11,065,743	11,191,855	11,242,185	11,287,030					
12/31/2005	9,895,179	10,121,308	10,181,566						
12/31/2006	11,732,750	11,730,831							
12/31/2007	11,684,458								

Link Ratios: 171 to Ultimate

A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.001	1.002 *
12/31/2000	1.001	1.000	1.002	1.001	1.001	1.001 *	1.002 *
12/31/2001	1.008	1.001	1.001	1.000	1.001 *	1.001 *	1.002 *
12/31/2002	1.009	1.001	1.022	1.001 *	1.001 *	1.001 *	1.002 *
12/31/2003	1.002	1.002	1.000 *	1.001 *	1.001 *	1.001 *	1.002 *
12/31/2004	1.004						
Best 3/5	1.005	1.001	1.001 *	1.001 *	1.001 *	1.001 *	1.002 *

171 to Ultimate Factor: 1.012

* Calculated Using Modified Bondy Method

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

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	708,446	1,655,929	2,170,874	995,726	906,143	-22,576	613,544	611,923	117,949	268,969	194,043	-103,036	-8,460
12/31/2000	1,688,026	1,234,254	2,271,351	633,564	678,433	33,439	441	50,689	248,128	10,516	112,540	-3,518	-10,686
12/31/2001	1,276,477	1,899,460	1,856,779	1,768,627	739,104	645,078	330	63,029	10,227	-27,754	32,464	-11,276	12,360
12/31/2002	2,147,913	1,711,484	3,345,915	773,548	1,407,945	328,443	366,457	250,336	16,049	72,367	70,462	168,680	87,861
12/31/2003	1,182,830	2,409,209	2,795,676	905,540	663,067	649,171	-3,938	-128,635	39,021	52,148	111,286	37,637	77,298
12/31/2004	1,267,772	2,399,633	2,460,069	1,788,758	1,163,778	1,204,695	-366,488	71,141	28,406	323,278	183,412	126,112	50,330
12/31/2005	604,690	2,354,076	2,387,103	1,356,403	775,492	546,533	212,033	318,286	292,553	170,539	140,310	226,129	60,258
12/31/2006	2,745,586	2,636,492	1,638,570	1,356,120	1,201,042	566,294	334,170	274,249	14,975	-20,685	96,811	-1,919	
12/31/2007	1,699,607	2,953,302	3,680,380	1,024,179	614,020	291,308	284,030	181,380	112,711	28,754	-2,480		
12/31/2008	1,083,588	2,297,099	2,218,197	2,037,915	1,217,793	725,254	563,439	698,210	3,257,847	-207,390			
12/31/2009	1,451,451	2,188,571	2,313,786	2,288,124	579,984	284,955	221,742	12,113	117,044				
12/31/2010	1,974,657	2,533,620	2,664,257	2,513,620	1,106,549	855,923	36,250	386,683					
12/31/2011	1,133,295	2,382,811	3,302,789	2,371,017	854,851	488,873	127,635						
12/31/2012	1,278,489	3,895,704	2,596,205	1,647,766	1,568,319	677,429							
12/31/2013	1,615,094	2,755,086	3,476,780	1,935,510	1,359,425								
12/31/2014	1,670,197	3,104,997	2,115,743	1,136,620									
12/31/2015	1,379,080	3,029,486	2,180,811										
12/31/2016	1,417,055	2,057,357											
12/31/2017	1,806,234												

Incremental Percentages

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0349	0.0816	0.1070	0.0491	0.0446	-0.0011	0.0302	0.0301	0.0058	0.0133	0.0096	-0.0051	-0.0004
12/31/2000	0.0869	0.0635	0.1169	0.0326	0.0349	0.0017	0.0000	0.0026	0.0128	0.0005	0.0058	-0.0002	-0.0005
12/31/2001	0.0731	0.1088	0.1063	0.1013	0.0423	0.0369	0.0000	0.0036	0.0006	-0.0016	0.0019	-0.0006	0.0007
12/31/2002	0.0960	0.0765	0.1495	0.0346	0.0629	0.0147	0.0164	0.0112	0.0007	0.0032	0.0031	0.0075	0.0039
12/31/2003	0.0677	0.1380	0.1601	0.0519	0.0380	0.0372	-0.0002	-0.0074	0.0022	0.0030	0.0064	0.0022	0.0044
12/31/2004	0.0678	0.1283	0.1315	0.0956	0.0622	0.0644	-0.0196	0.0038	0.0015	0.0173	0.0098	0.0067	0.0027
12/31/2005	0.0265	0.1032	0.1046	0.0594	0.0340	0.0240	0.0093	0.0139	0.0128	0.0075	0.0061	0.0099	0.0026
12/31/2006	0.1072	0.1030	0.0640	0.0530	0.0469	0.0221	0.0130	0.0107	0.0006	-0.0008	0.0038	-0.0001	
12/31/2007	0.0798	0.1386	0.1728	0.0481	0.0288	0.0137	0.0133	0.0085	0.0053	0.0013	-0.0001		
12/31/2008	0.0486	0.1030	0.0994	0.0914	0.0546	0.0325	0.0253	0.0313	0.1460	-0.0093			
12/31/2009	0.0660	0.0995	0.1052	0.1041	0.0264	0.0130	0.0101	0.0006	0.0053				
12/31/2010	0.0818	0.1050	0.1104	0.1042	0.0458	0.0355	0.0015	0.0160					
12/31/2011	0.0535	0.1125	0.1560	0.1120	0.0404	0.0231	0.0060						
12/31/2012	0.0520	0.1583	0.1055	0.0670	0.0637	0.0275							
12/31/2013	0.0654	0.1116	0.1409	0.0784	0.0551								
12/31/2014	0.0729	0.1355	0.0923	0.0496									
12/31/2015	0.0601	0.1321	0.0951										
12/31/2016	0.0545	0.0791											
12/31/2017	0.0555												
Best 3/5	0.0604	0.1264	0.1138	0.0832	0.0471	0.0277	0.0098	0.0117	0.0078	0.0027	0.0054	0.0055	0.0031

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	17,599,989	22,454,473	26,046,127	29,562,061	32,370,320	35,877,922	37,653,769	38,643,310	39,594,313	40,570,468	40,738,228
12/31/2000	20,148,215	28,117,537	33,733,241	38,083,537	40,534,637	43,442,144	47,070,033	48,693,596	49,659,853	50,864,816	51,204,766
12/31/2001	22,510,580	30,442,420	36,303,332	39,979,579	43,246,242	44,802,398	45,830,354	48,128,085	49,452,012	49,989,510	49,995,824
12/31/2002	23,942,676	32,500,184	36,636,196	41,459,403	42,462,013	43,302,516	45,305,257	47,063,599	47,981,622	47,466,223	47,890,555
12/31/2003	27,265,666	32,650,070	36,957,858	37,463,953	39,827,295	40,944,922	41,480,008	42,523,955	43,740,689	43,931,137	44,470,197
12/31/2004	27,439,588	33,954,287	37,809,524	41,667,059	44,039,186	45,918,270	47,701,876	48,688,019	50,558,507	51,255,498	52,665,600
12/31/2005	24,441,902	30,021,631	34,159,132	38,667,459	41,089,600	43,660,220	46,355,866	47,633,893	49,215,729	49,424,547	50,472,459
12/31/2006	33,251,639	40,963,717	47,016,396	52,296,103	58,005,321	59,899,447	61,613,000	61,134,942	62,533,335	63,360,384	65,294,375
12/31/2007	37,478,911	45,385,473	54,043,566	56,932,040	59,518,933	61,515,339	62,521,476	64,578,463	66,303,739	68,449,195	70,993,010
12/31/2008	46,746,190	55,030,465	60,846,012	63,453,576	64,664,973	65,907,275	68,135,592	69,345,267	77,558,317	85,573,198	80,392,789
12/31/2009	50,614,467	59,080,856	65,592,058	66,906,596	68,558,709	69,306,834	70,387,519	73,634,396	78,978,315	79,312,015	
12/31/2010	50,249,441	59,040,061	62,599,203	64,398,679	66,662,622	68,124,844	69,513,387	71,647,625	73,500,618		
12/31/2011	50,195,255	56,010,649	58,198,283	58,649,085	59,965,899	62,392,350	64,582,427	65,916,858			
12/31/2012	42,530,139	48,022,963	49,922,237	52,558,947	55,321,739	57,911,305	59,680,496				
12/31/2013	37,680,360	42,122,567	46,464,088	48,430,126	51,135,291	52,876,083					
12/31/2014	38,513,971	44,501,138	47,606,411	49,609,846	50,564,942						
12/31/2015	35,973,160	42,715,059	47,871,650	51,342,816							
12/31/2016	35,239,568	45,331,006	50,354,922								
12/31/2017	38,074,708	46,164,945									
12/31/2018	41,103,743										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	40,957,384	41,152,372	41,043,145	41,246,586	41,187,833	41,307,131	41,306,349	41,381,160	41,374,042
12/31/2000	51,776,232	51,670,398	51,668,291	51,689,055	51,572,415	51,442,716	51,489,129	51,490,970	
12/31/2001	50,324,295	50,035,846	50,162,941	50,378,683	50,345,144	50,483,753	50,770,646		
12/31/2002	48,212,469	48,315,325	48,445,558	48,467,239	48,973,417	49,091,954			
12/31/2003	44,530,235	44,960,842	45,372,085	45,920,923	46,247,275				
12/31/2004	53,486,742	53,985,474	54,030,819	54,502,221					
12/31/2005	50,794,958	51,242,946	51,786,291						
12/31/2006	66,435,190	67,420,635							
12/31/2007	71,946,233								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.276	1.160	1.135	1.095	1.108	1.049	1.026	1.025	1.025	1.004	1.005
12/31/2000	1.396	1.200	1.129	1.064	1.072	1.072	1.084	1.034	1.020	1.024	1.007
12/31/2001	1.352	1.193	1.101	1.082	1.036	1.023	1.050	1.028	1.011	1.000	1.007
12/31/2002	1.357	1.127	1.132	1.024	1.020	1.046	1.039	1.020	0.989	1.009	1.007
12/31/2003	1.197	1.132	1.014	1.063	1.028	1.013	1.025	1.029	1.004	1.012	1.001
12/31/2004	1.237	1.114	1.102	1.057	1.043	1.039	1.021	1.038	1.014	1.028	1.016
12/31/2005	1.228	1.138	1.132	1.063	1.063	1.062	1.028	1.033	1.004	1.021	1.006
12/31/2006	1.232	1.148	1.112	1.109	1.033	1.029	0.992	1.023	1.013	1.031	1.017
12/31/2007	1.211	1.191	1.053	1.045	1.034	1.016	1.033	1.027	1.032	1.037	1.013
12/31/2008	1.177	1.106	1.043	1.019	1.019	1.034	1.018	1.118	1.103	0.939	
12/31/2009	1.167	1.110	1.020	1.025	1.011	1.016	1.046	1.073	1.004		
12/31/2010	1.175	1.060	1.029	1.035	1.022	1.020	1.031	1.026			
12/31/2011	1.116	1.039	1.008	1.022	1.040	1.035	1.021				
12/31/2012	1.129	1.040	1.053	1.053	1.047	1.031					
12/31/2013	1.118	1.103	1.042	1.056	1.034						
12/31/2014	1.155	1.070	1.042	1.019							
12/31/2015	1.187	1.121	1.073								
12/31/2016	1.286	1.111									
12/31/2017	1.212										
3 Yr Mean	1.228	1.101	1.052	1.043	1.040	1.029	1.033	1.072	1.046	1.002	1.012
Best 3/5	1.185	1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.005	0.997	1.005	0.999	1.003	1.000	1.002	1.000
12/31/2000	0.998	1.000	1.000	0.998	0.997	1.001	1.000	1.002 *
12/31/2001	0.994	1.003	1.004	0.999	1.003	1.006	1.002 *	1.002 *
12/31/2002	1.002	1.003	1.000	1.010	1.002	1.002 *	1.002 *	1.002 *
12/31/2003	1.010	1.009	1.012	1.007	1.001 *	1.002 *	1.002 *	1.002 *
12/31/2004	1.009	1.001	1.009					
12/31/2005	1.009	1.011						
12/31/2006	1.015							
3 Yr Mean	1.011	1.007	1.007	1.005	1.001 @	1.002 @	1.001 @	1.000 @
Best 3/5	1.009	1.005	1.004	1.002	1.002 *	1.002 *	1.002 *	1.002 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2015				1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2016			1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2017		1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012
12/31/2018	1.185	1.095	1.046	1.037	1.032	1.028	1.028	1.042	1.016	1.027	1.012

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.244
12/31/2015	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.290
12/31/2016	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.349
12/31/2017	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.477
12/31/2018	1.009	1.005	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.751

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

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	3,142,541	4,977,597	5,527,609	7,197,579	8,141,449	9,579,842	11,039,408	12,035,649	12,734,940	13,067,600	13,561,726
12/31/2000	3,400,770	5,146,115	7,094,639	9,275,829	11,482,702	14,262,234	16,346,990	18,132,176	18,953,322	21,225,933	22,978,551
12/31/2001	3,489,097	5,541,713	7,596,604	10,340,541	13,626,492	16,865,666	21,643,955	23,053,258	25,546,037	25,617,725	27,154,935
12/31/2002	3,869,547	5,269,389	7,634,451	9,448,387	11,115,022	13,703,839	15,356,116	17,226,965	19,460,727	19,390,207	19,372,934
12/31/2003	4,149,510	6,037,111	7,638,180	8,422,617	9,776,188	10,377,702	11,377,578	12,070,965	12,746,610	13,596,034	13,514,320
12/31/2004	5,713,030	7,273,617	9,072,102	9,621,873	10,360,231	11,365,247	12,050,208	13,233,590	13,816,700	14,195,450	14,420,607
12/31/2005	6,367,860	8,777,525	9,741,409	10,326,087	11,626,756	12,389,964	12,824,831	13,608,783	14,235,890	14,331,722	14,545,124
12/31/2006	7,279,926	8,817,707	9,982,104	10,720,177	10,771,667	11,702,567	12,317,963	13,039,835	13,456,151	14,670,374	15,511,896
12/31/2007	9,403,204	11,511,865	11,956,531	12,390,151	13,164,956	13,680,133	14,775,331	15,475,514	16,228,583	17,474,496	17,511,929
12/31/2008	8,712,888	11,525,141	13,850,601	14,313,077	15,269,695	16,210,357	17,369,962	17,860,780	18,589,934	18,718,045	19,223,791
12/31/2009	7,979,788	10,320,500	11,838,366	12,625,681	13,654,353	15,195,568	16,397,696	16,933,219	17,598,778	18,050,046	
12/31/2010	9,056,769	10,657,449	10,911,041	11,745,824	12,597,278	12,949,027	13,227,231	14,123,135	14,480,770		
12/31/2011	8,411,352	10,340,541	11,336,352	11,446,268	12,211,032	12,892,273	13,370,415	13,812,048			
12/31/2012	7,813,203	9,214,668	9,925,070	10,448,675	11,837,770	12,473,737	12,737,058				
12/31/2013	10,344,923	12,289,236	12,950,872	13,773,169	14,353,939	15,031,095					
12/31/2014	10,480,704	12,363,373	14,118,754	15,606,041	16,471,188						
12/31/2015	12,410,417	15,384,247	16,277,335	16,843,450							
12/31/2016	13,146,314	15,132,055	17,680,734								
12/31/2017	11,707,532	14,190,927									
12/31/2018	12,594,173										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	13,773,043	14,046,320	13,885,369	13,817,430	13,835,222	13,783,045	13,783,045	13,783,404	13,795,325
12/31/2000	23,550,809	23,750,305	23,668,239	23,641,027	23,416,548	23,246,003	23,296,276	23,291,802	
12/31/2001	27,315,593	27,393,881	27,015,323	26,923,448	26,761,541	26,807,288	26,739,738		
12/31/2002	19,691,678	19,493,471	19,197,635	18,967,507	19,046,399	19,042,195			
12/31/2003	13,360,804	13,561,372	13,214,880	13,166,186	13,111,180				
12/31/2004	14,456,912	14,600,056	14,634,325	14,713,020					
12/31/2005	15,129,417	15,334,155	15,512,099						
12/31/2006	15,568,205	15,844,351							
12/31/2007	17,949,138								

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                       COMPLETED OPERATIONS (Subline Code 336)
                                   DEDUCTIBLE
                                   MULTISTATE
                            PROPERTY DAMAGE - OCCURRENCE
            INCURRED ACCIDENT YEAR  BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
                                   Link Ratios
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A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.584	1.110	1.302	1.131	1.177	1.152	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.513	1.379	1.307	1.238	1.242	1.146	1.109	1.109	1.120	1.083	1.025
12/31/2001	1.588	1.371	1.361	1.318	1.238	1.283	1.065	1.108	1.003	1.060	1.006
12/31/2002	1.362	1.449	1.238	1.176	1.233	1.121	1.122	1.130	0.996	0.999	1.016
12/31/2003	1.455	1.265	1.103	1.161	1.062	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.273	1.247	1.061	1.077	1.097	1.060	1.098	1.044	1.027	1.016	1.003
12/31/2005	1.378	1.110	1.060	1.126	1.066	1.035	1.061	1.046	1.007	1.015	1.040
12/31/2006	1.211	1.132	1.074	1.005	1.086	1.053	1.059	1.032	1.090	1.057	1.004
12/31/2007	1.224	1.039	1.036	1.063	1.039	1.080	1.047	1.049	1.077	1.002	1.025
12/31/2008	1.323	1.202	1.033	1.067	1.062	1.072	1.028	1.041	1.007	1.027	
12/31/2009	1.293	1.147	1.067	1.081	1.113	1.079	1.033	1.039	1.026		
12/31/2010	1.177	1.024	1.077	1.072	1.028	1.021	1.068	1.025			
12/31/2011	1.229	1.096	1.010	1.067	1.056	1.037	1.033				
12/31/2012	1.179	1.077	1.053	1.133	1.054	1.021					
12/31/2013	1.188	1.054	1.063	1.042	1.047						
12/31/2014	1.180	1.142	1.105	1.055							
12/31/2015	1.240	1.058	1.035								
12/31/2016	1.151	1.168									
12/31/2017	1.212										
3 Yr Mean	1.201	1.123	1.068	1.077	1.052	1.026	1.045	1.035	1.037	1.029	1.023
Best 3/5	1.193	1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000	1.001
12/31/2000	1.008	0.997	0.999	0.991	0.993	1.002	1.000	1.000 *
12/31/2001	1.003	0.986	0.997	0.994	1.002	0.997	1.000 *	1.000 *
12/31/2002	0.990	0.985	0.988	1.004	1.000	0.999 *	1.000 *	1.000 *
12/31/2003	1.015	0.974	0.996	0.996	0.997 *	0.999 *	1.000 *	1.000 *
12/31/2004	1.010	1.002	1.005					
12/31/2005	1.014	1.012						
12/31/2006	1.018							
3 Yr Mean	1.014	0.996	0.996	0.998	0.998 @	1.000 @	1.000 @	1.001 @
Best 3/5	1.013	0.991	0.997	0.997	0.998 *	0.999 *	1.000 *	1.000 *

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                                  Development From
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A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2015				1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2016			1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2017		1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011
12/31/2018	1.193	1.092	1.050	1.065	1.052	1.043	1.038	1.037	1.037	1.019	1.011

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.255
12/31/2015	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.337
12/31/2016	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.404
12/31/2017	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.533
12/31/2018	1.013	0.991	0.997	0.997	0.998	0.999	1.000	1.000	1.000*	1.829

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

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

Allocated Expenses as of:

A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	1,668,153	3,336,316	6,423,228	11,359,815	14,943,484	18,872,478	22,475,790	25,613,716	28,564,868	30,260,585	30,908,184
12/31/2000	1,766,693	4,118,532	7,955,148	12,936,180	16,843,886	21,472,254	27,802,647	31,797,032	33,570,681	36,189,547	38,084,926
12/31/2001	3,226,880	6,490,590	12,441,692	18,154,439	23,560,982	29,302,373	35,452,222	39,569,142	42,814,608	44,842,276	45,917,075
12/31/2002	2,581,677	6,833,339	13,159,921	18,902,345	23,353,458	26,527,709	29,133,819	31,455,087	34,681,377	36,361,483	37,623,838
12/31/2003	3,980,548	6,843,257	12,896,746	17,537,418	21,971,378	26,148,320	28,055,619	30,760,075	32,857,264	34,779,255	36,359,446
12/31/2004	2,907,478	6,312,396	12,432,312	18,820,466	23,132,519	27,486,354	32,181,841	36,251,739	41,917,825	45,922,525	50,549,761
12/31/2005	2,078,294	6,544,724	12,017,280	18,070,477	23,101,679	29,091,715	32,902,584	36,663,507	41,170,343	44,789,283	47,493,933
12/31/2006	4,056,419	8,910,100	16,372,653	23,646,982	30,533,489	36,573,120	42,719,189	46,378,212	53,034,326	55,954,270	58,905,773
12/31/2007	4,482,298	9,178,174	17,272,566	23,812,316	30,002,254	36,368,263	40,982,320	45,906,718	50,057,115	54,549,809	56,940,320
12/31/2008	5,357,486	12,833,987	21,319,711	31,631,934	40,623,873	46,521,177	50,243,526	53,349,509	57,231,987	59,030,697	61,184,078
12/31/2009	7,511,748	15,425,832	26,729,294	38,180,516	46,834,262	52,887,028	57,319,303	62,568,183	64,898,716	67,818,596	
12/31/2010	6,215,465	14,390,125	25,396,884	36,902,451	43,783,473	49,068,325	52,949,562	54,961,417	57,853,487		
12/31/2011	7,189,460	14,183,919	21,615,590	28,000,327	32,813,918	37,942,294	42,388,604	44,604,807			
12/31/2012	5,535,629	11,817,006	19,276,840	26,806,682	34,990,010	39,116,020	40,961,492				
12/31/2013	4,584,476	11,549,212	17,755,808	26,350,128	32,244,133	35,001,536					
12/31/2014	4,485,014	10,676,701	17,653,654	23,910,588	28,157,111						
12/31/2015	5,242,900	11,061,224	17,938,069	24,272,558							
12/31/2016	5,490,531	12,613,714	21,269,132								
12/31/2017	4,454,932	10,203,609									
12/31/2018	4,383,119										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	32,142,125	33,272,857	33,596,207	33,888,911	34,348,528	34,434,686	34,454,939	34,498,730	34,499,997
12/31/2000	40,170,887	40,271,257	40,171,695	40,453,710	40,838,032	40,920,177	40,795,783	40,806,871	
12/31/2001	46,713,802	47,012,447	47,250,589	47,692,448	48,239,176	48,396,668	48,698,540		
12/31/2002	39,337,746	40,960,608	41,148,157	42,080,692	42,821,429	43,204,983			
12/31/2003	38,081,011	38,665,391	39,588,629	40,338,114	40,531,628				
12/31/2004	55,167,421	57,139,531	58,119,898	58,462,098					
12/31/2005	48,022,351	49,245,719	49,762,119						
12/31/2006	60,346,320	61,700,418							
12/31/2007	58,641,395								

Link Ratios: 171 to Ultimate

A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243
12/31/1999	1.009	1.014	1.003	1.001	1.001	1.000	1.000 *
12/31/2000	1.007	1.010	1.002	0.997	1.000	1.000 *	1.000 *
12/31/2001	1.009	1.011	1.003	1.006	1.001 *	1.000 *	1.000 *
12/31/2002	1.023	1.018	1.009	1.002 *	1.001 *	1.000 *	1.000 *
12/31/2003	1.019	1.005	1.011 *	1.002 *	1.001 *	1.000 *	1.000 *
12/31/2004	1.006						
Best 3/5	1.012	1.012	1.005 *	1.002 *	1.001 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.032

* Calculated Using Modified Bondy Method

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

Increments

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	1,668,163	3,086,912	4,936,587	3,583,669	3,928,994	3,603,312	3,137,926	2,951,152	1,695,717	647,599	1,233,941	1,130,732	323,350
12/31/2000	2,351,839	3,836,616	4,981,032	3,907,706	4,628,368	6,330,393	3,994,385	1,773,649	2,618,866	1,895,379	2,085,961	100,370	-99,562
12/31/2001	3,263,710	5,951,102	5,712,747	5,406,543	5,741,391	6,149,849	4,116,920	3,245,466	2,027,668	1,074,799	796,727	298,645	238,142
12/31/2002	4,251,662	6,326,582	5,742,424	4,451,113	3,174,251	2,606,110	2,321,268	3,226,290	1,680,106	1,262,355	1,713,908	1,622,862	187,549
12/31/2003	2,862,709	6,053,489	4,640,672	4,433,960	4,176,942	1,907,299	2,704,456	2,097,189	1,921,991	1,580,191	1,721,565	584,380	923,238
12/31/2004	3,404,918	6,119,916	6,388,154	4,312,053	4,353,835	4,695,487	4,069,898	5,666,086	4,004,700	4,627,236	4,617,660	1,972,110	980,367
12/31/2005	4,466,430	5,472,556	6,053,197	5,031,202	5,990,036	3,810,869	3,760,923	4,506,836	3,618,940	2,704,650	528,418	1,223,368	516,400
12/31/2006	4,853,681	7,462,553	7,274,329	6,886,507	6,039,631	6,146,069	3,659,023	6,656,114	2,919,944	2,951,503	1,440,547	1,354,098	
12/31/2007	4,695,876	8,094,392	6,539,750	6,189,938	6,366,009	4,614,057	4,924,398	4,150,397	4,492,694	2,390,511	1,701,075		
12/31/2008	7,476,501	8,485,724	10,312,223	8,991,939	5,897,304	3,722,349	3,105,983	3,882,478	1,798,710	2,153,381			
12/31/2009	7,914,084	11,303,462	11,451,222	8,653,746	6,052,766	4,432,275	5,248,880	2,330,533	2,919,880				
12/31/2010	8,174,660	11,006,759	11,505,567	6,881,022	5,284,852	3,881,237	2,011,855	2,892,070					
12/31/2011	6,994,459	7,431,671	6,384,737	4,813,591	5,128,376	4,446,310	2,216,203						
12/31/2012	6,281,377	7,459,834	7,529,842	8,183,328	4,126,010	1,845,472							
12/31/2013	6,964,736	6,206,596	8,594,320	5,894,005	2,757,403								
12/31/2014	6,191,687	6,976,953	6,256,934	4,246,523									
12/31/2015	5,818,324	6,876,845	6,334,489										
12/31/2016	7,123,183	8,655,418											
12/31/2017	5,748,677												

Incremental Percentages

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0287	0.0531	0.0849	0.0616	0.0676	0.0620	0.0540	0.0508	0.0292	0.0111	0.0212	0.0194	0.0056
12/31/2000	0.0319	0.0521	0.0676	0.0530	0.0628	0.0859	0.0542	0.0241	0.0355	0.0257	0.0283	0.0014	-0.0014
12/31/2001	0.0451	0.0822	0.0789	0.0747	0.0793	0.0850	0.0569	0.0448	0.0280	0.0148	0.0110	0.0041	0.0033
12/31/2002	0.0594	0.0884	0.0803	0.0622	0.0444	0.0364	0.0324	0.0451	0.0235	0.0176	0.0240	0.0227	0.0026
12/31/2003	0.0436	0.0922	0.0706	0.0675	0.0636	0.0290	0.0412	0.0319	0.0293	0.0241	0.0262	0.0089	0.0141
12/31/2004	0.0422	0.0758	0.0791	0.0534	0.0539	0.0581	0.0504	0.0701	0.0496	0.0573	0.0572	0.0244	0.0121
12/31/2005	0.0609	0.0746	0.0826	0.0686	0.0817	0.0520	0.0513	0.0615	0.0494	0.0369	0.0072	0.0167	0.0070
12/31/2006	0.0500	0.0768	0.0749	0.0709	0.0622	0.0633	0.0377	0.0685	0.0301	0.0304	0.0148	0.0139	
12/31/2007	0.0460	0.0793	0.0640	0.0606	0.0623	0.0452	0.0482	0.0406	0.0440	0.0234	0.0167		
12/31/2008	0.0644	0.0731	0.0888	0.0774	0.0508	0.0321	0.0267	0.0334	0.0155	0.0185			
12/31/2009	0.0660	0.0942	0.0955	0.0721	0.0505	0.0370	0.0438	0.0194	0.0243				
12/31/2010	0.0722	0.0972	0.1016	0.0608	0.0467	0.0343	0.0178	0.0255					
12/31/2011	0.0677	0.0719	0.0618	0.0466	0.0496	0.0430	0.0214						
12/31/2012	0.0651	0.0773	0.0780	0.0848	0.0428	0.0191							
12/31/2013	0.0763	0.0680	0.0941	0.0646	0.0302								
12/31/2014	0.0707	0.0797	0.0715	0.0485									
12/31/2015	0.0575	0.0679	0.0626										
12/31/2016	0.0739	0.0898											
12/31/2017	0.0612												
Best 3/5	0.0686	0.0750	0.0707	0.0579	0.0463	0.0344	0.0306	0.0332	0.0328	0.0302	0.0192	0.0178	0.0075

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	5,640,125	7,221,932	8,055,559	8,625,494	8,777,928	8,432,303	8,308,730	8,429,844	8,381,635	8,399,607	8,444,616
12/31/2000	6,241,893	7,846,057	8,878,581	10,028,395	9,114,290	9,074,853	9,040,929	9,098,117	9,015,129	9,029,862	9,013,288
12/31/2001	6,156,159	7,697,139	9,047,316	9,348,983	9,229,080	9,477,420	9,527,338	9,414,451	9,459,412	9,426,291	9,474,711
12/31/2002	6,742,206	7,904,813	9,350,937	10,575,598	10,464,773	10,397,019	10,389,624	10,423,004	10,423,204	10,419,382	10,525,383
12/31/2003	4,685,836	6,556,178	8,907,379	9,498,317	9,914,560	9,824,811	9,608,111	9,501,928	9,510,106	9,595,145	9,476,207
12/31/2004	5,613,023	6,798,347	8,144,858	8,903,857	8,633,061	8,292,971	8,366,133	8,209,619	8,248,611	8,270,040	8,241,575
12/31/2005	6,094,066	6,419,364	7,839,512	7,961,490	7,857,496	7,799,132	7,787,265	7,825,588	7,718,468	7,697,337	7,697,188
12/31/2006	5,468,803	6,585,107	8,165,220	8,060,168	7,846,753	7,673,354	7,486,282	7,495,698	7,557,198	7,557,198	7,557,198
12/31/2007	5,201,096	6,085,661	7,372,132	7,290,050	7,403,475	7,343,964	7,191,507	6,969,119	6,859,510	6,874,507	6,874,507
12/31/2008	5,734,718	7,045,916	7,954,815	7,621,748	7,378,809	7,502,155	7,520,572	7,401,821	7,401,821	7,450,821	7,450,821
12/31/2009	6,515,923	7,293,853	8,861,484	8,980,255	8,885,741	8,877,591	8,805,994	8,829,750	8,833,309	8,833,309	
12/31/2010	7,165,961	8,624,516	10,319,979	10,403,977	10,700,973	10,530,937	10,486,321	10,484,377	10,484,377		
12/31/2011	6,869,010	7,909,904	8,771,702	9,287,381	9,167,732	9,019,138	8,957,329	8,844,656			
12/31/2012	4,808,486	6,082,740	7,123,457	7,430,014	7,478,687	7,439,147	7,378,280				
12/31/2013	5,276,794	6,270,021	7,096,192	7,057,264	6,940,634	6,947,707					
12/31/2014	4,988,998	5,952,292	6,355,184	6,521,458	6,518,864						
12/31/2015	5,224,079	5,537,235	6,263,232	6,755,984							
12/31/2016	3,868,575	5,202,920	6,940,214								
12/31/2017	4,055,265	5,550,470									
12/31/2018	3,982,612										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	8,424,070	8,407,121	8,506,121	8,510,922	8,515,922	8,530,922	8,530,922	8,512,724	8,512,724
12/31/2000	9,109,788	9,035,332	9,071,627	9,108,127	9,097,875	9,078,125	9,203,125	9,173,125	
12/31/2001	9,480,470	9,479,470	9,521,370	9,478,470	9,458,835	9,434,595	9,541,595		
12/31/2002	10,498,445	10,511,444	10,518,974	10,638,973	10,538,974	10,543,975			
12/31/2003	9,465,207	9,455,208	9,455,207	9,465,207	9,458,012				
12/31/2004	8,244,074	8,242,431	8,242,431	8,242,431					
12/31/2005	7,704,612	7,696,145	7,698,145						
12/31/2006	7,557,198	7,557,198							
12/31/2007	6,874,507								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.280	1.115	1.071	1.018	0.961	0.985	1.015	0.994	1.002	1.005	0.998
12/31/2000	1.257	1.132	1.130	0.909	0.996	0.996	1.006	0.991	1.002	0.998	1.011
12/31/2001	1.250	1.175	1.033	0.987	1.027	1.005	0.988	1.005	0.996	1.005	1.001
12/31/2002	1.172	1.183	1.131	0.990	0.994	0.999	1.003	1.000	1.000	1.010	0.997
12/31/2003	1.399	1.359	1.066	1.044	0.991	0.978	0.989	1.001	1.009	0.988	0.999
12/31/2004	1.211	1.198	1.093	0.970	0.961	1.009	0.981	1.005	1.003	0.997	1.000
12/31/2005	1.053	1.221	1.016	0.987	0.993	0.998	1.005	0.986	0.997	1.000	1.001
12/31/2006	1.204	1.240	0.987	0.974	0.978	0.976	1.001	1.008	1.000	1.000	1.000
12/31/2007	1.170	1.211	0.989	1.016	0.992	0.979	0.969	0.984	1.002	1.000	1.000
12/31/2008	1.229	1.129	0.958	0.968	1.017	1.002	0.984	1.000	1.007	1.000	
12/31/2009	1.119	1.215	1.013	0.989	0.999	0.992	1.003	1.000	1.000		
12/31/2010	1.204	1.197	1.008	1.029	0.984	0.996	1.000	1.000			
12/31/2011	1.152	1.109	1.059	0.987	0.984	0.993	0.987				
12/31/2012	1.265	1.171	1.043	1.007	0.995	0.992					
12/31/2013	1.188	1.132	0.995	0.983	1.001						
12/31/2014	1.193	1.068	1.026	1.000							
12/31/2015	1.060	1.131	1.079								
12/31/2016	1.345	1.334									
12/31/2017	1.369										
3 Yr Mean	1.258	1.178	1.033	0.997	0.993	0.994	0.997	1.000	1.003	1.000	1.000
Best 3/5	1.242	1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	0.998	1.012	1.001	1.001	1.002	1.000	0.998	1.000
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.014	0.997	1.000 *
12/31/2001	1.000	1.004	0.995	0.998	0.997	1.011	1.003 *	1.000 *
12/31/2002	1.001	1.001	1.011	0.991	1.000	0.999 *	1.003 *	1.000 *
12/31/2003	0.999	1.000	1.001	0.999	0.999 *	0.999 *	1.003 *	1.000 *
12/31/2004	1.000	1.000	1.000					
12/31/2005	0.999	1.000						
12/31/2006	1.000							
3 Yr Mean	1.000	1.000	1.004	0.996	0.998 @	1.008 @	0.998 @	1.000 @
Best 3/5	1.000	1.000	1.002	0.999	0.999 *	1.003 *	1.001 *	1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2015				0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2016			1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2017		1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000
12/31/2018	1.242	1.145	1.043	0.998	0.993	0.994	0.990	1.000	1.001	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.982
12/31/2015	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	0.980
12/31/2016	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.022
12/31/2017	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.170
12/31/2018	1.000	1.000	1.002	0.999	0.999	1.003	1.001	1.000	1.000*	1.454

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

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

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	357,147	246,142	223,437	219,338	221,172	221,172	221,172	221,172	221,172	221,172	221,172
12/31/2000	313,656	527,947	556,053	475,991	500,991	490,335	486,335	487,335	487,335	486,335	521,335
12/31/2001	278,206	352,745	423,834	497,226	463,174	463,174	453,174	453,174	453,174	466,578	466,578
12/31/2002	396,353	425,131	379,361	487,852	474,098	435,359	435,358	435,358	435,358	435,358	435,358
12/31/2003	136,107	223,208	194,856	249,570	167,177	98,892	100,392	75,291	75,291	75,291	75,291
12/31/2004	426,879	386,565	768,260	1,012,432	611,871	613,151	590,752	590,751	590,751	590,751	590,751
12/31/2005	535,698	701,320	1,015,466	911,971	807,001	889,418	889,417	889,467	889,467	890,096	890,096
12/31/2006	402,493	741,418	759,635	666,429	694,212	693,655	693,655	693,655	693,655	693,655	693,655
12/31/2007	355,039	497,801	855,370	821,579	771,410	761,510	761,510	761,510	767,510	767,510	767,510	761,510
12/31/2008	525,801	362,912	467,874	427,853	351,603	368,464	367,964	367,964	367,964	367,964	367,964
12/31/2009	266,620	294,750	308,023	241,039	337,719	338,719	338,619	338,630	338,619	338,619	
12/31/2010	428,140	317,606	396,643	284,143	289,473	289,473	289,473	283,473	283,473		
12/31/2011	377,122	632,936	765,902	820,402	827,902	811,503	898,003	898,003			
12/31/2012	330,321	456,809	556,018	580,856	715,382	669,186	669,186				
12/31/2013	324,760	426,869	456,567	606,205	621,994	521,520					
12/31/2014	856,109	1,073,449	956,310	1,139,407	1,089,407						
12/31/2015	602,349	778,768	834,080	1,028,194							
12/31/2016	426,205	566,004	827,794								
12/31/2017	448,173	1,292,407									
12/31/2018	387,906										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	221,172	221,172	247,673	247,673	247,673	247,673	247,673	247,673	248,578
12/31/2000	504,435	504,936	571,270	560,254	566,376	565,418	561,417	542,080	
12/31/2001	466,578	463,774	505,428	505,428	480,116	475,915	559,769		
12/31/2002	435,358	435,358	435,358	427,858	427,858	427,858			
12/31/2003	75,291	75,291	75,291	75,291	81,916				
12/31/2004	590,754	590,751	590,751	590,751					
12/31/2005	890,096	890,096	890,096						
12/31/2006	693,655	693,685							
12/31/2007	761,510								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	0.689	0.908	0.982	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.683	1.053	0.856	1.053	0.979	0.992	1.002	1.000	0.998	1.072	0.968
12/31/2001	1.268	1.202	1.173	0.932	1.000	0.978	1.000	1.000	1.030	1.000	1.000
12/31/2002	1.073	0.892	1.286	0.972	0.918	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.640	0.873	1.281	0.670	0.592	1.015	0.750	1.000	1.000	1.000	1.000
12/31/2004	0.906	1.987	1.318	0.604	1.002	0.963	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.309	1.448	0.898	0.885	1.102	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	1.842	1.025	0.877	1.042	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.402	1.718	0.960	0.939	0.987	1.000	1.008	1.000	1.000	0.992	1.000
12/31/2008	0.690	1.289	0.914	0.822	1.048	0.999	1.000	1.000	1.000	1.000	
12/31/2009	1.106	1.045	0.783	1.401	1.003	1.000	1.000	1.000	1.000		
12/31/2010	0.742	1.249	0.716	1.019	1.000	1.000	0.979	1.000			
12/31/2011	1.678	1.210	1.071	1.009	0.980	1.107	1.000				
12/31/2012	1.383	1.217	1.045	1.232	0.935	1.000					
12/31/2013	1.314	1.070	1.328	1.026	0.838						
12/31/2014	1.254	0.891	1.191	0.956							
12/31/2015	1.293	1.071	1.233								
12/31/2016	1.328	1.463									
12/31/2017	2.884										
3 Yr Mean	1.835	1.142	1.251	1.071	0.918	1.036	0.993	1.000	1.000	0.997	1.000
Best 3/5	1.312	1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.000	1.120	1.000	1.000	1.000	1.000	1.000	1.004
12/31/2000	1.001	1.131	0.981	1.011	0.998	0.993	0.966	0.999 *
12/31/2001	0.994	1.090	1.000	0.950	0.991	1.176	0.999 *	0.999 *
12/31/2002	1.000	1.000	0.983	1.000	1.000	0.999 *	0.999 *	0.999 *
12/31/2003	1.000	1.000	1.000	1.088	1.004 *	0.999 *	0.999 *	0.999 *
12/31/2004	1.000	1.000	1.000					
12/31/2005	1.000	1.000						
12/31/2006	1.000							
3 Yr Mean	1.000	1.000	0.994	1.013	0.996 @	1.056 @	0.983 @	1.004 @
Best 3/5	1.000	1.000	0.994	1.004	0.999 *	0.999 *	0.999 *	0.999 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015				1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016			1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017		1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2018	1.312	1.119	1.165	1.018	0.972	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.962
12/31/2015	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	0.980
12/31/2016	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.141
12/31/2017	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.277
12/31/2018	1.000	1.000	0.994	1.004	0.999	0.999	0.999	0.999	0.996*	1.676

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

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

Allocated Expenses as of:

A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	778,081	1,683,697	2,225,782	3,069,536	3,437,968	3,442,907	3,541,657	3,934,735	3,931,369	3,968,930	3,979,748
12/31/2000	1,045,243	1,520,295	2,429,255	3,731,523	4,469,662	4,828,234	4,977,128	4,920,617	4,961,264	4,979,456	5,005,127
12/31/2001	934,953	1,971,556	3,436,205	4,320,115	5,433,123	5,931,830	6,835,823	7,087,364	7,340,810	7,177,505	7,333,670
12/31/2002	1,614,509	2,423,104	3,765,270	4,502,974	5,508,908	5,847,872	5,968,163	6,118,858	6,181,039	6,184,554	6,282,700
12/31/2003	739,154	1,535,315	2,390,516	3,072,303	3,908,152	4,276,475	4,454,629	4,432,746	4,441,994	4,477,242	4,551,208
12/31/2004	683,625	1,429,228	2,426,622	3,084,970	3,618,994	3,825,965	3,968,670	4,110,763	4,108,705	4,107,920	4,108,665
12/31/2005	535,061	1,209,728	2,207,724	2,754,521	3,885,922	3,193,301	3,318,523	3,328,446	3,324,675	3,305,488	3,305,518
12/31/2006	652,567	1,564,105	2,661,008	3,729,388	4,330,201	4,747,517	4,855,758	4,812,874	4,846,184	4,841,505	4,841,505
12/31/2007	627,439	1,484,311	2,776,866	3,352,762	3,947,746	4,209,996	4,404,857	4,243,255	4,281,515	4,277,394	4,279,530
12/31/2008	563,620	1,274,355	2,586,309	3,123,872	3,357,018	3,471,156	3,542,133	3,572,329	3,586,603	3,590,643	3,590,643
12/31/2009	585,015	1,497,728	3,302,450	3,339,250	3,961,355	3,918,666	3,929,406	3,943,062	3,941,217	3,951,547	
12/31/2010	917,867	1,834,899	3,240,511	4,548,548	5,658,899	5,851,891	5,786,418	5,793,827	5,816,358		
12/31/2011	717,665	1,345,682	2,434,473	3,596,587	4,155,193	4,485,469	4,636,342	4,649,481			
12/31/2012	573,328	1,514,295	3,204,137	4,066,515	4,481,390	4,839,973	4,930,584				
12/31/2013	919,825	2,006,991	3,279,382	4,322,482	4,947,403	5,416,463					
12/31/2014	750,099	1,411,700	2,243,492	2,705,567	2,943,701						
12/31/2015	539,990	1,048,895	1,792,918	2,558,970							
12/31/2016	457,616	1,166,998	2,266,878								
12/31/2017	484,595	1,390,207									
12/31/2018	634,766										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	4,011,271	4,025,072	4,216,013	4,246,726	4,194,975	4,210,736	4,224,824	4,225,201	4,225,202
12/31/2000	5,404,432	5,169,291	5,239,408	5,292,147	5,354,338	5,377,591	5,420,969	5,465,151	
12/31/2001	7,438,804	7,607,614	7,717,841	7,860,860	8,044,771	8,181,952	8,241,025		
12/31/2002	6,335,393	6,399,152	6,404,975	6,670,033	6,441,505	6,454,006			
12/31/2003	4,531,498	4,531,498	4,529,391	4,579,391	4,571,628				
12/31/2004	4,105,865	4,128,532	4,125,411	4,125,739					
12/31/2005	3,305,518	3,335,965	3,359,026						
12/31/2006	4,841,505	4,841,645							
12/31/2007	4,278,597								

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

Increments

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	905,616	542,085	843,754	368,432	4,939	98,750	393,078	-3,366	37,561	10,818	31,523	13,801	190,941
12/31/2000	475,052	908,960	1,302,268	738,139	358,572	148,894	-56,511	40,647	18,192	25,671	399,305	-235,141	70,117
12/31/2001	1,036,603	1,464,649	883,910	1,113,008	498,707	903,993	251,541	253,446	-163,305	156,165	105,134	168,810	110,227
12/31/2002	808,595	1,342,166	737,704	1,005,934	338,964	120,291	150,695	62,181	3,515	98,146	52,693	63,759	5,823
12/31/2003	796,161	855,201	681,787	835,849	368,323	178,154	-21,883	9,248	35,248	73,966	-19,710	0	-2,107
12/31/2004	745,603	997,394	658,348	534,024	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	-3,121
12/31/2005	674,667	997,996	546,797	1,131,401	-692,621	125,222	9,923	-3,771	-19,187	30	0	30,447	23,061
12/31/2006	911,538	1,096,903	1,068,380	600,813	417,316	108,241	-42,884	33,310	-4,679	0	0	140	
12/31/2007	856,872	1,292,555	575,896	594,984	262,250	194,861	-161,602	38,260	-4,121	2,136	-933		
12/31/2008	710,735	1,311,954	537,563	233,146	114,138	70,977	30,196	14,274	4,040	0			
12/31/2009	912,713	1,804,722	36,800	622,105	-42,689	10,740	13,656	-1,845	10,330				
12/31/2010	917,032	1,405,612	1,308,037	1,110,351	192,992	-65,473	7,409	22,531					
12/31/2011	628,017	1,088,791	1,162,114	558,606	330,276	150,873	13,139						
12/31/2012	940,967	1,689,842	862,378	414,875	358,583	90,611							
12/31/2013	1,087,166	1,272,391	1,043,100	624,921	469,060								
12/31/2014	661,601	831,792	462,075	238,134									
12/31/2015	508,905	744,023	766,052										
12/31/2016	709,382	1,099,880											
12/31/2017	905,612												

Incremental Percentages

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0742	0.0444	0.0692	0.0302	0.0004	0.0081	0.0322	-0.0003	0.0031	0.0009	0.0026	0.0011	0.0157
12/31/2000	0.0357	0.0684	0.0980	0.0555	0.0270	0.0112	-0.0043	0.0031	0.0014	0.0019	0.0300	-0.0177	0.0053
12/31/2001	0.0772	0.1090	0.0658	0.0829	0.0371	0.0673	0.0187	0.0189	-0.0122	0.0116	0.0078	0.0126	0.0082
12/31/2002	0.0470	0.0781	0.0429	0.0585	0.0197	0.0070	0.0088	0.0036	0.0002	0.0057	0.0031	0.0037	0.0003
12/31/2003	0.0513	0.0551	0.0439	0.0538	0.0237	0.0115	-0.0014	0.0006	0.0023	0.0048	-0.0013	0.0000	-0.0001
12/31/2004	0.0640	0.0857	0.0566	0.0459	0.0178	0.0123	0.0122	-0.0002	-0.0001	0.0001	-0.0002	0.0019	-0.0003
12/31/2005	0.0581	0.0859	0.0471	0.0974	-0.0596	0.0108	0.0009	-0.0003	-0.0017	0.0000	0.0000	0.0026	0.0020
12/31/2006	0.0768	0.0925	0.0901	0.0506	0.0352	0.0091	-0.0036	0.0028	-0.0004	0.0000	0.0000	0.0000	
12/31/2007	0.0666	0.1005	0.0448	0.0463	0.0204	0.0151	-0.0126	0.0030	-0.0003	0.0002	-0.0001		
12/31/2008	0.0554	0.1023	0.0419	0.0182	0.0089	0.0055	0.0024	0.0011	0.0003	0.0000			
12/31/2009	0.0703	0.1390	0.0028	0.0479	-0.0033	0.0008	0.0011	-0.0001	0.0008				
12/31/2010	0.0607	0.0930	0.0866	0.0735	0.0128	-0.0043	0.0005	0.0015					
12/31/2011	0.0439	0.0761	0.0812	0.0390	0.0231	0.0105	0.0009						
12/31/2012	0.0791	0.1421	0.0725	0.0349	0.0302	0.0076							
12/31/2013	0.0976	0.1143	0.0937	0.0561	0.0421								
12/31/2014	0.0682	0.0858	0.0476	0.0246									
12/31/2015	0.0438	0.0640	0.0659										
12/31/2016	0.0525	0.0813											
12/31/2017	0.0620												
Best 3/5	0.0609	0.0938	0.0732	0.0433	0.0220	0.0047	0.0008	0.0018	-0.0001	0.0000	-0.0001	0.0015	0.0007

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


                                       Link Ratios
   A.Y.E.     183:171   195:183   207:195   219:207   231:219   243:231   Ult:243
12/31/1999     1.007     0.988     1.004     1.003     1.000     1.000     1.019 *
12/31/2000     1.010     1.012     1.004     1.008     1.008     1.005 *   1.019 *
12/31/2001     1.019     1.023     1.017     1.007     1.005 *   1.005 *   1.019 *
12/31/2002     1.041     0.966     1.002     1.003 *   1.005 *   1.005 *   1.019 *
12/31/2003     1.011     0.998     0.999 *   1.003 *   1.005 *   1.005 *   1.019 *
12/31/2004     1.000


  Best 3/5     1.013     0.999     1.003 *   1.005 *   1.005 *   1.005 *   1.019 *


 171 to Ultimate Factor:  1.050




                    Cumulative Incremental Factors
Months-to-Ultimate      15        27        39        51        63        75        87
                      0.303     0.242     0.148     0.075     0.031     0.009     0.005

Months-to-Ultimate      99       111       123       135       147       159       171
                      0.004     0.002     0.002     0.002     0.002     0.001     0.000




             Reported ALAE      $500,000       ALAE     Additional    ALAE at    171-Ultimate   Ultimate
   A.Y.E     as of 3/31/19   Ultimate Indemnity  Factor     ALAE     171 Months     Factor        ALAE
12/31/2016     2,509,692       15,512,724      0.148    2,295,882    4,805,574      1.050      5,045,702
12/31/2017     1,295,863       15,939,944      0.242    3,857,468    5,153,331      1.050      5,410,843
12/31/2018       453,054        9,717,099      0.303    2,944,277    3,397,331      1.050      3,567,056


*  Calculated Using Modified Bondy Method
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                        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:
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A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	1,572,065	1,987,939	2,042,232	2,211,684	2,206,231	2,199,548	2,303,744	2,276,465	2,293,317	2,238,872	2,256,844
12/31/2000	2,115,148	2,324,418	2,530,971	2,623,392	2,812,834	3,161,406	3,018,819	3,039,295	3,201,971	3,281,154	3,289,070
12/31/2001	1,627,013	1,654,011	1,972,348	2,039,048	1,900,818	1,952,852	2,119,627	2,292,203	2,299,929	2,337,585	2,345,731
12/31/2002	1,530,717	1,727,573	1,876,362	1,886,504	1,836,568	1,863,842	1,922,590	1,938,029	1,988,648	1,998,770	2,063,155
12/31/2003	1,321,533	1,887,161	2,163,441	2,172,909	2,449,305	2,450,817	2,487,331	2,501,397	2,506,543	2,547,183	2,557,986
12/31/2004	2,137,719	2,399,596	2,432,571	2,373,608	2,438,915	2,430,493	2,374,120	2,402,603	2,423,452	2,431,935	2,426,902
12/31/2005	2,865,381	3,103,309	3,333,662	3,422,623	3,483,267	3,365,079	3,378,435	3,424,923	3,434,293	3,428,003	3,428,281
12/31/2006	3,072,125	3,517,399	3,516,881	3,550,710	3,565,561	3,714,164	3,722,919	3,896,127	3,943,556	4,000,352	4,013,426
12/31/2007	2,844,645	2,853,095	2,933,768	3,269,723	3,545,542	3,514,845	3,597,290	3,574,891	3,567,151	3,540,362	3,549,074
12/31/2008	3,600,421	3,870,935	3,993,658	4,085,032	4,277,221	4,524,770	4,780,726	5,135,464	5,377,606	5,432,551	5,399,596
12/31/2009	3,534,085	3,753,341	3,751,263	3,780,076	3,763,549	3,990,026	3,999,860	4,145,232	4,210,482	4,240,123	
12/31/2010	4,401,926	4,575,257	4,861,935	4,838,710	4,442,350	4,679,912	4,681,113	4,616,073	4,635,092		
12/31/2011	4,091,786	4,327,021	4,618,039	4,544,531	4,651,918	4,844,335	4,801,436	4,878,153			
12/31/2012	3,868,440	4,015,567	3,840,908	3,695,235	3,852,599	3,849,831	3,901,446				
12/31/2013	3,562,555	3,598,755	4,135,664	4,002,305	4,028,293	4,107,933					
12/31/2014	3,323,473	3,533,086	3,456,269	3,653,060	3,622,449						
12/31/2015	4,560,156	4,854,521	5,463,196	5,478,878							
12/31/2016	4,374,337	4,459,644	4,829,183								
12/31/2017	4,261,821	4,407,193									
12/31/2018	4,851,824										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	2,269,121	2,294,943	2,305,226	2,279,715	2,344,614	2,345,815	2,343,314	2,343,314	2,347,988
12/31/2000	3,295,715	3,288,963	3,292,462	3,285,460	3,285,459	3,283,459	3,283,459	3,283,459	
12/31/2001	2,333,120	2,290,449	2,295,943	2,297,122	2,309,129	2,309,129	2,309,128		
12/31/2002	2,045,051	2,110,693	2,107,568	2,116,168	2,133,461	2,132,211			
12/31/2003	2,598,043	2,580,329	2,566,579	2,589,074	2,589,074				
12/31/2004	2,402,124	2,408,903	2,521,395	2,506,394					
12/31/2005	3,422,181	3,407,940	3,407,940						
12/31/2006	4,065,946	4,050,802							
12/31/2007	3,551,076								

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                    LOCAL PRODUCTS (Subline Code 336)
                            FULL COVERAGE
                             MULTISTATE
                      PROPERTY DAMAGE - OCCURRENCE
          INCURRED ACCIDENT YEAR  BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE
                                Link Ratios
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A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	1.265	1.027	1.083	0.998	0.997	1.047	0.988	1.007	0.976	1.008	1.005
12/31/2000	1.099	1.089	1.037	1.072	1.124	0.955	1.007	1.054	1.025	1.002	1.002
12/31/2001	1.017	1.192	1.034	0.932	1.027	1.085	1.081	1.003	1.016	1.003	0.995
12/31/2002	1.129	1.086	1.005	0.974	1.015	1.032	1.008	1.026	1.005	1.032	0.991
12/31/2003	1.428	1.146	1.004	1.127	1.001	1.015	1.006	1.002	1.016	1.004	1.016
12/31/2004	1.123	1.014	0.976	1.028	0.997	0.977	1.012	1.009	1.004	0.998	0.990
12/31/2005	1.083	1.074	1.027	1.018	0.966	1.004	1.014	1.003	0.998	1.000	0.998
12/31/2006	1.145	1.000	1.010	1.004	1.042	1.002	1.047	1.012	1.014	1.003	1.013
12/31/2007	1.003	1.028	1.115	1.084	0.991	1.023	0.994	0.998	0.992	1.002	1.001
12/31/2008	1.075	1.032	1.023	1.047	1.058	1.057	1.074	1.047	1.010	0.994	
12/31/2009	1.062	0.999	1.008	0.996	1.060	1.002	1.036	1.016	1.007		
12/31/2010	1.039	1.063	0.995	0.918	1.053	1.000	0.986	1.004			
12/31/2011	1.057	1.067	0.984	1.024	1.041	0.991	1.016				
12/31/2012	1.038	0.957	0.962	1.043	0.999	1.013					
12/31/2013	1.010	1.149	0.968	1.006	1.020						
12/31/2014	1.063	0.978	1.057	0.992							
12/31/2015	1.065	1.125	1.003								
12/31/2016	1.020	1.083									
12/31/2017	1.034										
3 Yr Mean	1.040	1.062	1.009	1.014	1.020	1.001	1.013	1.022	1.003	1.000	1.004
Best 3/5	1.039	1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.011	1.004	0.989	1.028	1.001	0.999	1.000	1.002
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000	1.000	1.000 *
12/31/2001	0.982	1.002	1.001	1.005	1.000	1.000	1.000 *	1.000 *
12/31/2002	1.032	0.999	1.004	1.008	0.999	1.000 *	1.000 *	1.000 *
12/31/2003	0.993	0.995	1.009	1.000	1.004 *	1.000 *	1.000 *	1.000 *
12/31/2004	1.003	1.047	0.994					
12/31/2005	0.996	1.000						
12/31/2006	0.996							
3 Yr Mean	0.998	1.014	1.002	1.004	0.999 @	1.000 @	1.000 @	1.002 @
Best 3/5	0.998	1.000	1.001	1.004	1.000 *	1.000 *	1.000 *	1.000 *

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                              Development From
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A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2015				1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2016			0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2017		1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004
12/31/2018	1.039	1.062	0.985	1.007	1.038	1.005	1.015	1.011	1.005	1.000	1.004

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.083
12/31/2015	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.091
12/31/2016	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.075
12/31/2017	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.141
12/31/2018	0.998	1.000	1.001	1.004	1.000	1.000	1.000	1.000	1.000*	1.186

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   *  Calculated Using Modified Bondy Method
   @  Three year mean Excludes Modified Bondy ratios
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LOCAL PRODUCTS (Subline Code 336)
DEDUCTIBLE
MULTISTATE
PROPERTY DAMAGE - OCCURRENCE
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	120,168	311,306	312,394	277,393	303,006	287,030	267,972	267,474	274,472	267,472	267,472
12/31/2000	150,416	248,134	188,848	196,780	189,280	253,280	237,878	257,878	215,285	215,285	215,285
12/31/2001	208,337	185,152	211,169	225,824	225,824	216,726	265,726	270,726	265,727	267,726	365,726
12/31/2002	119,421	133,880	171,299	184,812	251,892	369,610	483,705	465,706	502,946	539,631	567,026
12/31/2003	298,214	270,546	283,673	398,283	518,855	600,389	644,503	716,619	797,603	987,207	1,083,677
12/31/2004	267,359	144,698	230,234	354,867	441,630	632,353	616,235	904,464	1,008,422	1,087,637	1,296,374
12/31/2005	171,817	242,042	293,021	372,892	413,788	517,693	577,501	578,079	622,969	1,071,187	1,185,450
12/31/2006	278,672	268,892	383,670	529,121	648,904	746,115	720,042	744,136	932,230	1,066,447	970,261
12/31/2007	336,478	539,242	569,442	510,576	480,010	471,031	474,898	571,898	569,048	565,826	565,826
12/31/2008	281,982	200,447	330,593	329,110	331,110	329,110	429,110	429,110	422,611	442,611	513,281
12/31/2009	177,301	176,935	144,535	143,435	143,535	250,348	250,248	350,248	350,248	350,918	
12/31/2010	258,564	260,233	259,733	263,829	357,829	357,829	357,829	357,829	357,829		
12/31/2011	280,389	309,310	282,139	303,639	281,728	291,728	283,728	283,728			
12/31/2012	261,577	237,466	244,631	252,528	238,888	263,888	268,902				
12/31/2013	484,229	529,028	523,333	708,674	689,763	739,763					
12/31/2014	399,307	500,486	493,548	589,554	564,554						
12/31/2015	651,157	644,581	623,070	644,969							
12/31/2016	899,662	1,029,846	1,085,929								
12/31/2017	827,278	1,120,224									
12/31/2018	1,186,664										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	267,472	267,472	267,472	267,472	267,472	267,472	267,472	267,472	267,472
12/31/2000	215,285	215,285	215,285	215,285	215,285	215,285	215,285	215,285	
12/31/2001	365,727	365,726	365,726	365,726	365,726	365,726	365,726		
12/31/2002	566,252	561,006	561,362	567,567	567,567	580,067			
12/31/2003	1,277,496	1,297,868	1,219,478	1,168,621	1,170,312				
12/31/2004	1,288,735	1,183,053	1,176,984	1,176,939					
12/31/2005	1,174,440	1,184,550	1,153,446						
12/31/2006	943,991	917,548							
12/31/2007	565,826								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1999	2.591	1.003	0.888	1.092	0.947	0.934	0.998	1.026	0.974	1.000	1.000
12/31/2000	1.650	0.761	1.042	0.962	1.338	0.939	1.084	0.835	1.000	1.000	1.000
12/31/2001	0.889	1.141	1.069	1.000	0.960	1.226	1.019	0.982	1.008	1.366	1.000
12/31/2002	1.121	1.279	1.079	1.363	1.467	1.309	0.963	1.080	1.073	1.051	0.999
12/31/2003	0.907	1.049	1.404	1.303	1.157	1.073	1.112	1.113	1.238	1.098	1.179
12/31/2004	0.541	1.591	1.541	1.244	1.432	0.975	1.468	1.115	1.079	1.192	0.994
12/31/2005	1.409	1.211	1.273	1.110	1.251	1.116	1.001	1.078	1.719	1.107	0.991
12/31/2006	0.965	1.427	1.379	1.226	1.150	0.965	1.033	1.253	1.144	0.910	0.973
12/31/2007	1.603	1.056	0.897	0.940	0.981	1.008	1.204	0.995	0.994	1.000	1.000
12/31/2008	0.711	1.649	0.996	1.006	0.994	1.304	1.000	0.985	1.047	1.160	
12/31/2009	0.998	0.817	0.992	1.001	1.744	1.000	1.400	1.000	1.002		
12/31/2010	1.006	0.998	1.016	1.356	1.000	1.000	1.000	1.000			
12/31/2011	1.103	0.912	1.076	0.928	1.035	0.973	1.000				
12/31/2012	0.908	1.030	1.032	0.946	1.105	1.019					
12/31/2013	1.093	0.989	1.354	0.973	1.072						
12/31/2014	1.253	0.986	1.195	0.958							
12/31/2015	0.990	0.967	1.035								
12/31/2016	1.145	1.054									
12/31/2017	1.354										
3 Yr Mean	1.163	1.002	1.195	0.959	1.071	0.997	1.133	0.995	1.014	1.023	0.988
Best 3/5	1.164	1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2002	0.991	1.001	1.011	1.000	1.022	1.000 *	1.000 *	1.000 *
12/31/2003	1.016	0.940	0.958	1.001	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2004	0.918	0.995	1.000					
12/31/2005	1.009	0.974						
12/31/2006	0.972							
3 Yr Mean	0.966	0.970	0.990	1.000	1.007 @	1.000 @	1.000 @	1.000 @
Best 3/5	0.991	0.990	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *

Development From

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2014					1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2015				0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2016			1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2017		1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995
12/31/2018	1.164	1.002	1.102	0.959	1.071	1.006	1.068	0.998	1.064	1.089	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2014	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.299
12/31/2015	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.246
12/31/2016	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.373
12/31/2017	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.375
12/31/2018	0.991	0.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.601

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

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

Allocated Expenses as of:

A.Y.E	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1999	175,962	337,067	603,218	766,736	829,718	913,941	1,046,577	1,114,788	1,225,802	1,299,160	1,419,449
12/31/2000	296,826	494,491	719,707	875,557	1,098,543	1,354,409	1,774,260	1,993,516	2,167,348	2,467,181	2,637,675
12/31/2001	215,738	308,467	519,028	745,233	889,414	1,124,956	1,569,336	1,900,119	1,850,659	2,030,128	2,144,753
12/31/2002	181,573	336,689	516,639	789,100	849,839	945,579	1,024,135	1,048,926	1,048,930	1,246,269	1,436,592
12/31/2003	62,113	673,928	986,248	1,144,420	1,298,178	1,335,195	1,393,897	1,481,118	1,554,563	1,656,480	1,738,610
12/31/2004	167,304	321,683	486,041	683,212	806,857	976,396	996,498	1,017,912	1,049,334	1,057,515	1,082,518
12/31/2005	253,597	339,712	638,381	830,454	883,207	971,737	1,036,702	1,160,410	1,154,925	1,154,235	1,158,544
12/31/2006	163,787	400,897	684,328	992,786	1,282,472	1,629,231	1,711,002	2,010,531	2,032,986	2,122,926	2,121,410
12/31/2007	417,051	916,386	1,275,876	1,993,790	2,327,394	2,728,898	2,688,954	2,922,085	2,992,037	2,971,434	2,844,669
12/31/2008	432,158	1,008,781	1,482,874	2,545,803	3,513,742	5,724,763	8,226,270	9,650,053	9,635,341	9,039,353	8,541,384
12/31/2009	669,778	1,158,892	1,293,628	1,325,606	1,483,463	1,554,594	1,865,411	2,047,404	2,072,131	2,083,608	
12/31/2010	206,816	417,432	737,016	1,095,412	1,201,636	1,364,842	1,570,725	1,721,918	1,747,732		
12/31/2011	375,297	711,308	1,088,123	1,469,027	1,778,030	1,798,131	1,825,741	1,945,882			
12/31/2012	243,253	514,030	871,633	1,011,844	1,209,336	1,393,816	1,505,186				
12/31/2013	421,368	564,593	819,183	1,037,223	1,260,372	1,453,214					
12/31/2014	209,021	430,370	648,625	835,804	1,031,093						
12/31/2015	421,366	854,828	1,218,105	1,494,217							
12/31/2016	316,772	623,887	951,724								
12/31/2017	434,035	697,477									
12/31/2018	449,211										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1999	1,537,925	1,607,394	1,767,931	1,890,569	1,907,615	1,908,341	1,908,403	1,908,403	1,908,403
12/31/2000	2,787,050	2,899,751	2,965,261	2,912,071	2,936,607	2,961,607	2,956,072	2,956,268	
12/31/2001	2,273,390	2,360,582	2,388,452	2,478,063	2,704,552	2,704,552	2,704,552		
12/31/2002	1,528,483	1,801,105	1,959,947	1,990,934	1,990,659	1,990,659			
12/31/2003	1,763,964	1,818,157	1,841,439	1,885,380	1,885,380				
12/31/2004	1,077,537	1,084,479	1,114,207	1,114,207					
12/31/2005	1,335,545	1,211,377	1,222,969						
12/31/2006	2,220,899	2,259,651							
12/31/2007	2,845,553								

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

Increments

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	161,105	266,151	163,518	62,982	84,223	132,636	68,211	111,014	73,358	120,289	118,476	69,469	160,537
12/31/2000	197,665	225,216	155,850	222,986	255,866	419,851	219,256	173,832	299,833	170,494	149,375	112,701	65,510
12/31/2001	92,729	210,561	226,205	144,181	235,542	444,380	330,783	-49,460	179,469	114,625	128,637	87,192	27,870
12/31/2002	155,116	179,950	272,461	60,739	95,740	78,556	24,791	4	197,339	190,323	91,891	272,622	158,842
12/31/2003	611,815	312,320	158,172	153,758	37,017	58,702	87,221	73,445	101,917	82,130	25,354	54,193	23,282
12/31/2004	154,379	164,358	197,171	123,645	169,539	20,102	21,414	31,422	8,181	25,003	-4,981	6,942	29,728
12/31/2005	86,115	298,669	192,073	52,753	88,530	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	11,592
12/31/2006	237,110	283,431	308,458	289,686	346,759	81,771	299,529	22,455	89,940	-1,516	99,489	38,752	
12/31/2007	499,335	359,490	717,914	333,604	401,504	-39,944	233,131	69,952	-20,603	-126,765	884		
12/31/2008	576,623	474,093	1,062,929	967,939	2,211,021	2,501,507	1,423,783	-14,712	-595,988	-497,969			
12/31/2009	489,114	134,736	31,978	157,857	71,131	310,817	181,993	24,727	11,477				
12/31/2010	210,616	319,584	358,396	106,224	163,206	205,883	151,193	25,814					
12/31/2011	336,011	376,815	380,904	309,003	20,101	27,610	120,141						
12/31/2012	270,777	357,603	140,211	197,492	184,480	111,370							
12/31/2013	143,225	254,590	218,040	223,149	192,842								
12/31/2014	221,349	218,255	187,179	195,289									
12/31/2015	433,462	363,277	276,112										
12/31/2016	307,115	327,837											
12/31/2017	263,442												

Incremental Percentages

A.Y.E	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1999	0.0569	0.0939	0.0577	0.0222	0.0297	0.0468	0.0241	0.0392	0.0259	0.0425	0.0418	0.0245	0.0567
12/31/2000	0.0470	0.0535	0.0370	0.0530	0.0608	0.0998	0.0521	0.0413	0.0713	0.0405	0.0355	0.0268	0.0156
12/31/2001	0.0296	0.0672	0.0722	0.0460	0.0751	0.1417	0.1055	-0.0158	0.0572	0.0366	0.0410	0.0278	0.0089
12/31/2002	0.0727	0.0844	0.1278	0.0285	0.0449	0.0368	0.0116	0.0000	0.0925	0.0892	0.0431	0.1278	0.0745
12/31/2003	0.2233	0.1140	0.0577	0.0561	0.0135	0.0214	0.0318	0.0268	0.0372	0.0300	0.0093	0.0198	0.0085
12/31/2004	0.0542	0.0577	0.0692	0.0434	0.0595	0.0071	0.0075	0.0110	0.0029	0.0088	-0.0017	0.0024	0.0104
12/31/2005	0.0220	0.0762	0.0490	0.0135	0.0226	0.0166	0.0316	-0.0014	-0.0002	0.0011	0.0452	-0.0317	0.0030
12/31/2006	0.0496	0.0593	0.0646	0.0606	0.0726	0.0171	0.0627	0.0047	0.0188	-0.0003	0.0208	0.0081	
12/31/2007	0.1070	0.0770	0.1539	0.0715	0.0861	-0.0086	0.0500	0.0150	-0.0044	-0.0272	0.0002		
12/31/2008	0.0943	0.0775	0.1738	0.1583	0.3616	0.4091	0.2328	-0.0024	-0.0975	-0.0814			
12/31/2009	0.1092	0.0301	0.0071	0.0353	0.0159	0.0694	0.0406	0.0055	0.0026				
12/31/2010	0.0418	0.0634	0.0711	0.0211	0.0324	0.0409	0.0300	0.0051					
12/31/2011	0.0582	0.0652	0.0660	0.0535	0.0035	0.0048	0.0208						
12/31/2012	0.0602	0.0795	0.0312	0.0439	0.0410	0.0248							
12/31/2013	0.0325	0.0577	0.0494	0.0506	0.0437								
12/31/2014	0.0447	0.0441	0.0378	0.0394									
12/31/2015	0.0606	0.0508	0.0386										
12/31/2016	0.0556	0.0593											
12/31/2017	0.0425												
Best 3/5	0.0476	0.0559	0.0419	0.0447	0.0298	0.0450	0.0402	0.0051	-0.0007	-0.0088	0.0101	0.0101	0.0093

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


                                     Link Ratios
    A.Y.E.      183:171   195:183   207:195   219:207   231:219   243:231   Ult:243
 12/31/1999      1.069     1.009     1.000     1.000     1.000     1.000     1.000 *
 12/31/2000      0.982     1.008     1.009     0.998     1.000     1.000 *   1.000 *
 12/31/2001      1.038     1.091     1.000     1.000     1.000 *   1.000 *   1.000 *
 12/31/2002      1.016     1.000     1.000     1.000 *   1.000 *   1.000 *   1.000 *
 12/31/2003      1.024     1.000     1.003 *   1.000 *   1.000 *   1.000 *   1.000 *
 12/31/2004      1.000


    Best 3/5     1.013     1.006     1.001 *   1.000 *   1.000 *   1.000 *   1.000 *


  171 to Ultimate Factor:  1.020



                    Cumulative Incremental Factors
 Months-to-Ultimate      15        27        39        51        63        75        87
                       0.330     0.283     0.227     0.185     0.140     0.110     0.065

 Months-to-Ultimate      99       111       123       135       147       159       171
                       0.025     0.020     0.021     0.029     0.019     0.009     0.000



              Reported ALAE      $500,000       ALAE    Additional   ALAE at    171-Ultimate  Ultimate
    A.Y.E     as of 3/31/19  Ultimate Indemnity  Factor     ALAE     171 Months    Factor       ALAE
 12/31/2016      1,038,405       6,508,581       0.227   1,477,453   2,515,858     1.020      2,566,027
 12/31/2017        751,342       6,878,888       0.283   1,946,730   2,698,072     1.020      2,751,903
 12/31/2018        468,262       6,885,795       0.330   2,272,314   2,740,576     1.020      2,795,243


 *  Calculated Using Modified Bondy Method
```

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

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

Incurred Percentage

Item *	2014	2015	2016	2017	2018	2014 - 2018 Mean
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	9.5%	8.1%	8.5%	8.1%	7.0%	8.2%

6. Selected   8.5%

Notes: All dollar amounts are displayed in thousands.

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

LOCAL PRODUCTS / COMPLETED OPERATIONS TREND SUMMARY

(1)	EXPOSURE TREND	LOCAL PRODUCTS	COMPLETED OPERATIONS	LOCAL PRODUCTS / COMPLETED OPERATIONS COMBINED
	Average Annual Percent Change			
	a) 7/1/2016 to 7/1/2021 AYE 12/31/2016	+ 1.3%	+ 2.7%	+ 2.6%
	b) 7/1/2017 to 7/1/2021 AYE 12/31/2017	+ 1.4%	+ 2.6%	+ 2.5%
	c) 7/1/2018 to 7/1/2021 AYE 12/31/2018	+ 1.3%	+ 2.2%	+ 2.1%

(2)	OCCURRENCE SEVERITY	BODILY INJURY	PROPERTY DAMAGE
	a) Fitted		
	All Years	+ 5.7%	+ 3.5%
	Eight Years	+ 6.7%	+ 5.4%
	Six Years	+ 9.2%	+ 4.3%
	b) Selected	+ 4.0%	+ 4.5%

(3)	FREQUENCY TREND	
	Selected	- 0.5%

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

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

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

CHANGE IN EXPOSURES		LOCAL PRODUCTS	COMPLETED OPERATIONS
7/1/2016 to 7/1/2021	(2021:4/2016:4)	1.067	1.142
7/1/2017 to 7/1/2021	(2021:4/2017:4)	1.057	1.109
7/1/2018 to 7/1/2021	(2021:4/2018:4)	1.041	1.069

AVERAGE ANNUAL TREND FACTOR			
7/1/2016 to 7/1/2021	(5.0 YRS)	1.013	1.027
7/1/2017 to 7/1/2021	(4.0 YRS)	1.014	1.026
7/1/2018 to 7/1/2021	(3.0 YRS)	1.013	1.022

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

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

Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2009	$35,775,810	1,479	$24,189	$24,191		
12/31/2010	44,999,023	1,604	28,054	25,560		
12/31/2011	40,432,132	1,479	27,337	27,007	$25,780	
12/31/2012	40,816,210	1,424	28,663	28,536	27,512	
12/31/2013	42,848,649	1,487	28,816	30,151	29,360	$27,244
12/31/2014	35,063,622	1,278	27,436	31,857	31,333	29,759
12/31/2015	36,960,783	1,120	33,001	33,660	33,438	32,506
12/31/2016	33,354,717	938	35,559	35,566	35,684	35,507
12/31/2017	35,206,034	911	38,645	37,579	38,081	38,785
12/31/2018	36,539,341	852	42,887	39,706	40,640	42,366

Goodness of Fit Statistic, R-Squared:	0.861	0.871	0.931

Average Annual Severity Trend (10 yr)	+ 5.7%
Average Annual Severity Trend (8 yr)	+ 6.7%
Average Annual Severity Trend (6 yr)	+ 9.2%
Selected Annual Severity Trend	+ 4.0%

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

OCCURRENCE SEVERITY TREND

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

Property Damage

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				10 Year	8 Year	6 Year
12/31/2009	$171,599,073	5,363	$31,997	$27,870		
12/31/2010	162,088,894	5,596	28,965	28,832		
12/31/2011	143,780,168	5,451	26,377	29,827	$27,455	
12/31/2012	138,274,454	4,775	28,958	30,856	28,935	
12/31/2013	125,890,106	4,034	31,207	31,922	30,495	$31,484
12/31/2014	120,542,044	3,736	32,265	33,023	32,140	32,847
12/31/2015	130,180,780	3,786	34,385	34,163	33,873	34,268
12/31/2016	140,771,027	3,764	37,399	35,343	35,699	35,752
12/31/2017	136,155,412	3,595	37,874	36,563	37,624	37,299
12/31/2018	135,142,338	3,604	37,498	37,825	39,652	38,914

Goodness of Fit Statistic, R-Squared:	0.684	0.938	0.886

Average Annual Severity Trend (10 yr)	+ 3.5%
Average Annual Severity Trend (8 yr)	+ 5.4%
Average Annual Severity Trend (6 yr)	+ 4.3%
Selected Annual Severity Trend	+ 4.5%

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

LOCAL PRODUCTS/COMPLETED OPERATIONS

FREQUENCY TREND
MULTISTATE

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

Bodily Injury and Property Damage Combined

(1) Accident Year Ending	(2) Aggregate Loss Costs at Current Level	(3) Occurrences at Ultimate[1]	(4) Occurrence Frequency $(3)/(2)^2$
12/31/2005	$ 263,801,627	7,217	27.36
12/31/2006	281,792,381	7,723	27.41
12/31/2007	281,008,214	7,678	27.32
12/31/2008	272,513,895	8,121	29.80
12/31/2009	260,718,485	8,145	31.24
12/31/2010	250,758,243	8,695	34.67
12/31/2011	252,148,652	8,334	33.05
12/31/2012	253,424,520	7,887	31.12
12/31/2013	255,938,198	7,534	29.44
12/31/2014	261,472,662	6,893	26.36
12/31/2015	270,738,295	6,705	24.77
12/31/2016	285,133,839	6,714	23.55
12/31/2017	297,471,141	6,484	21.80
12/31/2018	297,800,338	6,284	21.10

Selected Annual Frequency Trend: - 0.5%

[1] Occurrences are based on reported paid amounts developed to ultimate using paid development factors.
[2] Frequency is per $1,000,000 Aggregate Loss Costs at Current Level.

CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

Explanatory Notes

The following are definitions of the columns for the Local Products/Completed Operations calculation of proposed loss costs shown on pages G-55-61.

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

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

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

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

$$Z_i = \frac{K-3}{K}\left(\frac{\overline{P_i}}{\overline{P_i} + \dfrac{\Sigma^2}{T^2}}\right) + \frac{3}{K}$$

$K =$ The number of classes within the class group.

$\overline{P_i} =$ The 5 year total Mono / Multi ALCCL for class i.

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

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

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:

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

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

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

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

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

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

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

Change Factor = (Index) (Class Group Relative Change) (SWRL) (Off balance factor)
where "SWRL" equals the selected state monoline loss cost level change.
The off balance factor of 0.996 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.

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS
CLASS GROUP: 01
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * .961 *   1.047

CLASS	AYE 2018 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE-WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
10100	116914	778337	1.16995	.2309	1.016	1.026	1.032	2.4	.042	.043
10145	46246	500346	.47646	.1847	.879	.888	.893	-11.1	.009	.008
10146	15565	220214	.66245	.1321	.930	.939	.945	-6.7	.015	.014
10352	26117	188072	.56361	.1256	.919	.928	.934	-6.9	.058	.054
11039	239391	1895071	1.01065	.3736	.985	.995	1.001	0.0	.048	.048
11258	15431	76825	.28525	.1024	.900	.909	.915	-8.6	.187	.171
11259	74	1948	.00000	.0861	.887	.896	.902	-9.9	.131	.118
11288	60348	400280	1.02099	.1666	.979	.989	.995	0.0	.069	.069
12374	205706	1275302	.96029	.3017	.967	.977	.983	-2.0	.049	.048
12375	110897	730975	.94732	.2234	.965	.975	.981	-2.9	.035	.034
13673	185744	1872355	1.31428	.3713	1.098	1.109	1.116	10.0	.010	.011
13720	19360	155637	.69308	.1190	.937	.946	.952	-4.0	.050	.048
14401	37630	203843	1.05317	.1288	.981	.991	.997	0.0	.094	.094
15224	63353	542986	.76765	.1921	.931	.940	.946	-6.1	.049	.046
16900	338957	2400720	1.14807	.4222	1.045	1.056	1.063	6.3	.064	.068
16901	1185447	9558325	.99758	.7245	.990	1.000	1.006	0.0	.082	.082
16902	105296	658861	.70561	.2117	.914	.923	.929	-6.6	.061	.057
16905								6.3	.064	.068
16906								0.0	.082	.082
16910	2200862	13505756	.97740	.7862	.976	.986	.992	0.0	.055	.055
16911	113972	926182	1.06307	.2534	.994	1.004	1.010	0.0	.038	.038
16915	66131	438194	.92683	.1736	.963	.973	.979	-2.1	.047	.046
16916	567150	4551318	.97359	.5655	.972	.982	.988	0.0	.037	.037
16920	10687	57625	1.50341	.0983	1.023	1.033	1.039	3.7	.108	.112
16921	1528	5691	.00000	.0870	.886	.895	.901	-10.2	.049	.044
16930	50599	266500	2.20282	.1412	1.144	1.156	1.163	16.2	.111	.129
16931	19222	117928	2.60070	.1111	1.151	1.163	1.170	17.8	.045	.053
16940	1042	3729	.00000	.0865	.886	.895	.901	-10.2	.049	.044
16941	15902	79022	.50612	.1029	.923	.932	.938	-5.9	.068	.064
18435	189642	1320539	1.30363	.3075	1.073	1.084	1.091	8.5	.047	.051
18436	12147	86674	.00000	.1045	.869	.878	.883	-11.4	.105	.093
18501	259010	2023582	.81842	.3867	.912	.921	.927	-9.1	.011	.010
45900	48494	443032	.00137	.1744	.801	.809	.814	-19.0	.042	.034
49617	342444	1953941	1.28667	.3797	1.090	1.101	1.108	10.8	.130	.144
57001	17892	122672	3.02360	.1121	1.200	1.212	1.219	23.8	.021	.026

X-TILDE: 1.009   X-TILDE (MONOLINE):   .990   PI-TILDE: .0049215
TAU SQUARED: .03000   SIGMA SQUARED: 123671.51862

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

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                                    LOSS COST % CHANGE BY CLASS
SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS
CLASS GROUP: 02
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.034 *   1.047


                                5 YEAR                                STATE-
          AYE 2018    5 YEAR   MONO/MULTI                              WIDE   PRESENT    PROPOSED
          MONO/MULTI  MONO/MULTI EXPERIENCE       FORMULA     CHANGE   %      STATEWIDE  STATEWIDE
          ALCCL       ALCCL    RATIO      CRED.   ER    INDEX FACTOR   CHANGE OCCUR      OCCUR
CLASS     (1)         (2)      (3)        (4)     (5)   (6)   (7)      (8)    (9)        (10)
-----     ----------  ---------- ---------- ------ ------- ----- ------- ------ --------- ---------
10026        5391       38425    .00000    .0655   .966  .872  .944     -5.6   .018       .017
10042     1209503     6251219   1.18312    .6002  1.123 1.014 1.098      9.4   .320       .350
10060        2072       15398    .00000    .0608   .971  .876  .948     -6.0   .050       .047
10065       15633      122607   1.53780    .0821  1.075  .970 1.050      3.4   .029       .030
10066        3420       15251    .00000    .0608   .971  .876  .948     -4.9   .061       .058
10071      471617     2935587   1.11447    .4245  1.068  .964 1.044      4.7   .086       .090
10073     8406362    44288461   1.14398    .9112  1.134 1.023 1.107      9.8   .410       .450
10075         976        7423    .73515    .0592  1.016  .917  .993     -0.6   .173       .172
10107       38511      290896   2.33059    .1137  1.181 1.066 1.154     15.2   .197       .227
10115       62746      338952    .69302    .1223   .992  .895  .969     -3.6   .084       .081
10309       13089      172799    .15275    .0918   .953  .860  .931     -6.3   .016       .015
11020        5040       42692    .75579    .0663  1.015  .916  .992     -0.8   .126       .125
11127       83849      462700    .96176    .1437  1.023  .923  .999      0.0   .008       .008
11128       37307      190949   1.11939    .0952  1.042  .940 1.018      1.4   .072       .073
11204       10223       58044    .04037    .0694   .965  .871  .943     -5.5  1.460      1.380
11234       28324      150836    .26117    .0876   .966  .872  .944     -4.8   .062       .059
12014       21087      166956    .12113    .0907   .951  .858  .929     -8.3   .036       .033
12356        7199       48728   1.06216    .0676  1.036  .935 1.012      0.0   .028       .028
12510        6741       37727    .00000    .0653   .966  .872  .944     -4.0   .025       .024
12805      877084     4832791   1.05672    .5402  1.046  .944 1.022      2.5   .122       .125
13351      471097     4180382   1.38008    .5060  1.209 1.091 1.181     17.2   .029       .034
13352        4953       19657    .00000    .0617   .970  .875  .947     -5.0   .040       .038
13506       86709      468289    .62822    .1447   .975  .880  .953     -4.6   .065       .062
13507       52400      269701    .00792    .1098   .921  .831  .900    -10.1   .178       .160
13716      656257     3552476    .88781    .4680   .965  .871  .943     -5.8   .121       .114
13759       16195      143685    .01387    .0862   .946  .854  .925     -7.2   .111       .103
14101       10001       80358   1.65125    .0739  1.079  .974 1.054      5.3   .038       .040
14279       98318      566363   1.01257    .1609  1.030  .930 1.007      0.0   .057       .057
14913       44817      328298   1.53801    .1204  1.094  .987 1.069      7.2   .097       .104
15538        8916      118019    .05772    .0812   .955  .862  .933     -7.7   .013       .012
15600        4767       40538    .44958    .0659   .995  .898  .972     -2.5   .081       .079
15608         939        4815    .00000    .0587   .973  .878  .951     -9.1   .011       .010
15839       23611      182552    .82123    .0936  1.014  .915  .991      0.0   .022       .022
15991       36778      218293    .63096    .1003   .993  .896  .970     -2.6   .077       .075
15993        4616       34360    .44290    .0647   .996  .899  .973     -2.2   .045       .044
16403       53613      390324   2.71871    .1313  1.255 1.133 1.227     22.6   .106       .130
16676        1176        6240    .00000    .0590   .973  .878  .951     -7.1   .014       .013



X-TILDE:  1.124    X-TILDE (MONOLINE):  1.108     PI-TILDE: .0025715
TAU SQUARED:  .03415    SIGMA SQUARED:   157296.23342


L - CAPPED DOWN
U - CAPPED UP
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION
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                                           LOSS COST % CHANGE BY CLASS
SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS
CLASS GROUP: 02
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.034 *   1.047


                             5 YEAR                                    STATE-
           AYE 2018    5 YEAR   MONO/MULTI                             WIDE    PRESENT    PROPOSED
           MONO/MULTI  MONO/MULTI EXPERIENCE        FORMULA     CHANGE  %      STATEWIDE  STATEWIDE
           ALCCL       ALCCL    RATIO      CRED.  ER    INDEX   FACTOR  CHANGE OCCUR      OCCUR
CLASS      (1)         (2)      (3)        (4)    (5)   (6)     (7)     (8)    (9)        (10)
-----      ----------  ---------- ---------- ------ ------- ------ ------- ------ ---------  ---------
18078        83191       667877    .05932    .1770  .861   .777    .841   -16.1   .155       .130
18109          437         2288    .00000    .0582  .974   .879    .952    -3.2   .031       .030
18110        31434       294297   1.40566    .1143 1.076   .971   1.051     3.8   .026       .027
18206       317001      2502468   1.30811    .3894 1.141  1.030   1.115    11.4   .088       .098
18335         8119        53268    .11868    .0685  .971   .876    .948    -5.6   .018       .017
18506           24          288    .00000    .0578  .974   .879    .952     0.0   .006       .006
18507         1183         8667    .00000    .0595  .972   .877    .949     0.0   .008       .008
18708         9499        47282  11.57011    .0673 1.743  1.573   1.703    26.7   .015       .019  U
18834         6764        35778    .00000    .0650  .967   .873    .945    -5.5   .127       .120
18911         4283        33285    .39583    .0645  .993   .896    .970    -5.6   .018       .017
18912          935         6229   1.13293    .0590 1.040   .939   1.017     0.0   .024       .024
18920          337         6337    .34780    .0590  .993   .896    .970    -5.9   .017       .016
45819       455483      3173633   1.00352    .4421 1.020   .921    .997     0.0   .051       .051
49618          353         1954   3.33163    .0581 1.167  1.053   1.140    14.6   .041       .047
49619       178673      1050425   1.13938    .2327 1.058   .955   1.034     3.2   .095       .098
```

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X-TILDE:  1.124    X-TILDE (MONOLINE):  1.108     PI-TILDE: .0025715
TAU SQUARED:  .03415    SIGMA SQUARED:   157296.23342


L - CAPPED DOWN
U - CAPPED UP
N - NOT SUBJECT TO CAPPING
E - SUBJECT TO CAPPING EXCEPTION
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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 * 1.021 *   1.047


                          5 YEAR                                      STATE-
          AYE 2018   5 YEAR    MONO/MULTI                             WIDE      PRESENT     PROPOSED
          MONO/MULTI MONO/MULTI EXPERIENCE      FORMULA     CHANGE    %         STATEWIDE   STATEWIDE
          ALCCL      ALCCL      RATIO    CRED.  ER    INDEX FACTOR    CHANGE    OCCUR       OCCUR
CLASS     (1)        (2)        (3)      (4)    (5)   (6)   (7)       (8)       (9)         (10)
-----     ----------  ----------  ----------  ------  -------  -----  -------  ------  ---------  ---------
92053           0           0    .00000   .0000  .961  1.000  1.069     7.7      .390       .420
92054           0          15    .00000   .1250  .841   .844   .902    -9.6      .177       .160
92055         205        2730    .00000   .1254  .840   .843   .901    -9.9      .212       .191
95124      378062     3837022   1.31489   .4453 1.118  1.122  1.199    20.9      .430       .520
98303       76079      378776    .26075   .1722  .840   .843   .901    -9.9     6.050      5.450
98304     1982626    11827672    .93529   .6853  .943   .947  1.012     1.1     2.660      2.690
98305     2056732    12416059   1.15103   .6950 1.093  1.097  1.173    17.1     1.170      1.370
98306        7783       64236    .74545   .1334  .932   .936  1.001     0.0      .620       .620
98307        1881        9782    .20272   .1263  .865   .868   .928    -7.3      .410       .380
98308      279707     2155913   1.73092   .3394 1.222  1.227  1.312    29.8      .570       .740  U
98309       20850      125760    .05991   .1413  .833   .836   .894   -10.6     1.420      1.270
98344       47624      262216   1.64239   .1582 1.069  1.073  1.147    15.3      .590       .680
98449     1785797    10783308   1.04448   .6664 1.017  1.021  1.091     9.2    17.400     19.000
98805      153229      999074   1.25945   .2394 1.032  1.036  1.107    10.6      .850       .940
98813      352457     2235196    .41231   .3453  .771   .774   .827   -17.2     1.630      1.350
98967     1088990     5807294   1.50294   .5331 1.250  1.255  1.342    29.9     6.550      8.510  U
99003       38126      204705   1.00829   .1512  .968   .972  1.039     3.5     1.130      1.170
99826       18213      142725   1.73949   .1434 1.072  1.076  1.150    14.3      .350       .400
99827       60589      462822    .44038   .1820  .866   .869   .929    -7.1      .420       .390
99948     2523606    12481879    .88167   .6960  .906   .910   .973    -2.7    22.400     21.800
99952      401687     1869528    .84155   .3171  .923   .927   .991    -0.7    14.300     14.200
99953      154755      965928   1.32011   .2361 1.046  1.050  1.122    12.2     7.730      8.670
99954      147610      923839    .57992   .2318  .872   .876   .936    -6.4     7.550      7.070
99955      703531     4094728    .55872   .4586  .776   .779   .833   -16.7     6.890      5.740
```

```
X-TILDE:  1.026    X-TILDE (MONOLINE):   .996     PI-TILDE: .0073548
TAU SQUARED:  .03000    SIGMA SQUARED:   199329.19538


L - CAPPED DOWN
U - CAPPED UP
N - NOT SUBJECT TO CAPPING
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                                        LOSS COST % CHANGE BY CLASS
SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS
CLASS GROUP: 12
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.002 *   1.047
```

	AYE 2018 MONO/MULTI ALCCL	5 YEAR MONO/MULTI ALCCL	5 YEAR MONO/MULTI EXPERIENCE RATIO	CRED.	FORMULA ER	INDEX	CHANGE FACTOR	STATE-WIDE % CHANGE	PRESENT STATEWIDE OCCUR	PROPOSED STATEWIDE OCCUR
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
91111	1461060	10797684	.86652	.5064	.922	.948	.995	-0.4	4.510	4.490
91150	699999	4763191	1.05085	.3260	1.003	1.031	1.082	8.1	3.700	4.000
91155	3409838	19798315	1.11665	.6473	1.068	1.098	1.152	15.0	23.300	26.800
91340	18668083	104076239	.90174	.9039	.909	.934	.980	-2.0	7.050	6.910
91341	8081990	42335204	1.06574	.7943	1.048	1.077	1.130	13.0	3.620	4.090
91342	9054505	50840297	.87796	.8222	.896	.921	.966	-3.5	2.840	2.740
91343	347759	1849031	1.25326	.1815	1.029	1.058	1.110	11.1	1.350	1.500
91436	258039	1250635	.96526	.1438	.977	1.004	1.053	5.4	2.390	2.520
91507	33942	205081	.02892	.0689	.914	.939	.985	-1.3	2.980	2.940
91551	689558	3772549	1.22101	.2830	1.048	1.077	1.130	12.3	.570	.640
91555	95119	708543	.52306	.1065	.931	.957	1.004	0.0	.780	.780
91560	11073538	61345677	.85713	.8478	.876	.900	.944	-5.6	3.590	3.390
91577	1533785	7477817	1.18865	.4212	1.067	1.097	1.151	15.0	2.460	2.830
91746	2372950	13383932	1.07418	.5572	1.032	1.061	1.113	11.2	4.020	4.470
92101	595754	2904688	1.22461	.2405	1.038	1.067	1.119	12.1	2.650	2.970
92102	365145	2456630	1.64648	.2165	1.124	1.155	1.212	21.4	2.340	2.840
92215	5640794	42781139	.90245	.7959	.918	.943	.989	-1.0	1.940	1.920
92338	2953058	18447686	1.21185	.6315	1.126	1.157	1.214	21.3	1.220	1.480
92446	461610	1413073	.38916	.1544	.888	.913	.958	-4.0	1.750	1.680
92447	47832	237068	.94077	.0714	.976	1.003	1.052	5.2	1.540	1.620
92451	2416508	12629490	1.00788	.5435	.995	1.023	1.073	7.2	2.070	2.220
92478	15335003	79965152	.88722	.8787	.898	.923	.968	-3.0	1.680	1.630
94007	7891028	41159561	.94971	.7897	.956	.983	1.031	3.2	4.050	4.180
94276	1125332	8018380	.89214	.4370	.941	.967	1.014	1.5	3.230	3.280
94569	2053004	12374307	1.10419	.5387	1.047	1.076	1.129	13.0	2.930	3.310
95410	5537664	32029820	.87527	.7458	.902	.927	.973	-2.9	2.430	2.360
95455	274165	2390488	.18138	.2129	.809	.831	.872	-13.1	1.450	1.260
95505	56094	437365	1.62394	.0866	1.035	1.064	1.116	11.8	1.520	1.700
95625	1097547	5722488	1.20868	.3630	1.062	1.091	1.145	14.5	2.690	3.080
95647	22003679	124924344	1.05818	.9186	1.052	1.081	1.134	13.4	4.710	5.340
96053	454336	2200468	1.04293	.2021	.992	1.020	1.070	7.0	3.880	4.150
96410	1284864	7300347	.95555	.4158	.969	.996	1.045	4.6	7.000	7.320
96611	295802	1300384	.45315	.1471	.902	.927	.973	-2.5	1.590	1.550
97447	5100384	31836485	1.14969	.7447	1.106	1.137	1.193	19.2	3.170	3.780
97650	291068	1809657	.94485	.1791	.973	1.000	1.049	4.9	2.660	2.790
97651	275588	1427407	.74983	.1553	.944	.970	1.018	1.9	3.140	3.200
97652	40036	225743	.86747	.0705	.971	.998	1.047	4.7	3.860	4.040

```
X-TILDE:   .971    X-TILDE (MONOLINE):   .973     PI-TILDE: .0033055
TAU SQUARED:  .03000    SIGMA SQUARED:   352319.79715


L - CAPPED DOWN
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                                                LOSS COST % CHANGE BY CLASS
SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS
CLASS GROUP: 12
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX * 1.002 *   1.047
```

	AYE 2018 MONO/MULTI ALCCL	5 YEAR MONO/MULTI ALCCL	5 YEAR MONO/MULTI EXPERIENCE RATIO	CRED.	FORMULA ER	INDEX	CHANGE FACTOR	STATE-WIDE % CHANGE	PRESENT STATEWIDE OCCUR	PROPOSED STATEWIDE OCCUR
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
97653	788212	3366738	1.09313	.2637	1.009	1.037	1.088	8.9	2.710	2.950
97654	72245	375525	.64035	.0820	.951	.977	1.025	2.6	2.690	2.760
97655	1216279	6479959	1.02993	.3895	.999	1.027	1.077	7.8	3.710	4.000
98002	8088	96701	.00000	.0604	.920	.946	.992	-1.5	.660	.650
98482	17830246	101923682	.97286	.9021	.973	1.000	1.049	5.0	5.410	5.680
98483	22395406	124355014	1.01068	.9183	1.008	1.036	1.087	8.8	14.700	16.000
98502	296152	1594169	.96036	.1659	.976	1.003	1.052	5.3	3.030	3.190
98636	1534769	9268415	.73065	.4705	.862	.886	.929	-7.3	2.890	2.680
98677	3715650	20623918	.92242	.6563	.942	.968	1.016	1.6	8.310	8.440
98678	2222580	12463154	1.06490	.5404	1.026	1.054	1.106	11.0	10.000	11.100
98806	560561	3101854	1.04928	.2506	.997	1.025	1.075	7.5	3.070	3.300
98820	2487831	15672931	.89735	.5942	.931	.957	1.004	0.4	2.540	2.550
98884	1190196	9632439	1.26532	.4795	1.116	1.147	1.203	20.8	1.010	1.220
99004	25569	157342	.08413	.0652	.921	.947	.993	-0.8	1.210	1.200
99080	1168625	5395782	.56172	.3509	.833	.856	.898	-10.1	7.990	7.180
99315	910973	4952031	1.56135	.3336	1.173	1.206	1.265	26.4	1.480	1.870
99321	2133600	10822988	.82078	.5070	.899	.924	.969	-3.0	2.320	2.250
99613	1160141	5926111	.85025	.3704	.931	.957	1.004	0.5	2.080	2.090
99650	435186	2545885	1.11164	.2214	1.009	1.037	1.088	9.1	.880	.960
99746	2137691	15150902	1.00259	.5863	.993	1.021	1.071	7.0	2.010	2.150

```
X-TILDE:   .971    X-TILDE (MONOLINE):   .973     PI-TILDE: .0033055
TAU SQUARED:  .03000    SIGMA SQUARED:   352319.79715

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: 13
NUMBER OF YEARS OF DATA USED: 5
CHANGE FACTOR = INDEX * CG REL * SWRL USED = INDEX *  .950 *   1.047
```

	AYE 2018 MONO/MULTI ALCCL	5 YEAR MONO/MULTI ALCCL	5 YEAR MONO/MULTI EXPERIENCE RATIO	CRED.	FORMULA ER	INDEX	CHANGE FACTOR	STATE-WIDE % CHANGE	PRESENT STATEWIDE OCCUR	PROPOSED STATEWIDE OCCUR	
CLASS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
91125	53274	139737	.07266	.1489	.728	.863	.858	-14.2	2.190	1.880	
91127	844415	4773007	.73729	.6226	.777	.921	.916	-8.7	1.270	1.160	
91235	445093	3041552	.95348	.5234	.901	1.068	1.062	6.3	2.380	2.530	
91265	28421	110476	.00758	.1421	.724	.858	.853	-14.7	3.260	2.780	
91266	183580	821298	1.53450	.2815	1.038	1.230	1.223	22.1	.860	1.050	
91280	4969	54840	2.57788	.1288	1.067	1.264	1.257	25.5	1.570	1.970	
94381	1306741	7622279	.87397	.7188	.865	1.025	1.020	2.0	8.690	8.860	
94404	104406	371631	.59514	.1992	.794	.941	.936	-6.5	4.770	4.460	
95310	338334	2090369	.38011	.4431	.638	.756	.752	-20.0	1.100	.880	L
96408	1271100	5288069	1.11838	.6446	1.021	1.210	1.204	20.2	11.400	13.700	
96409	1942835	10621976	.78569	.7783	.798	.945	.940	-6.0	10.200	9.590	
97221	548298	3863495	1.03719	.5763	.955	1.132	1.126	12.1	.910	1.020	
97222	3545962	19953952	.73614	.8663	.750	.889	.884	-11.4	1.850	1.640	
97223	1794394	15723791	1.06701	.8370	1.031	1.222	1.215	21.6	1.900	2.310	
98152	380287	2652442	1.40336	.4936	1.120	1.327	1.320	29.8	.470	.610	U
98157	59733	376387	1.24115	.2001	.923	1.094	1.088	7.7	.390	.420	
98163	2528	5068	.00000	.1166	.745	.883	.878	-12.2	.237	.208	
98164	6322	99458	.00000	.1395	.726	.860	.855	-13.9	.072	.062	
98659	203	1621	.00000	.1158	.746	.884	.879	-12.5	.400	.350	
98914	444	3472	.00000	.1162	.745	.883	.878	-11.6	.430	.380	
98949	3663	17554	.00000	.1197	.742	.879	.874	-12.5	.280	.245	
98993	1095420	7739452	.65662	.7217	.709	.840	.836	-16.4	3.790	3.170	
99163	8275	9273	.00000	.1177	.744	.882	.877	-11.5	.520	.460	
99803	4389	54745	1.64638	.1288	.947	1.122	1.116	11.6	7.090	7.910	
99946	2067410	14962218	.76881	.8303	.781	.925	.920	-8.0	2.000	1.840	
99969	487811	3713724	.95875	.5675	.909	1.077	1.071	7.0	1.580	1.690	

```
X-TILDE:   .863    X-TILDE (MONOLINE):   .844    PI-TILDE: .0068929
TAU SQUARED:  .03000   SIGMA SQUARED:   106560.52228


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

CONSIDERATION OF COVID-19

TABLE OF CONTENTS

IMPACT OF COVID-19 ON GENERAL LIABILITY LOSS COSTS

INTRODUCTION

The ongoing COVID-19 global pandemic is a truly unique event that has impacted almost every aspect of daily life. The COVID-19 pandemic has had a significant impact on the United States economy and the property-casualty insurance industry. For several months in 2020 much of the country was following social distancing guidelines. The economy slowed significantly in many segments, and some had ground nearly to a halt. Given the sudden major changes in social and economic activity, the potential impact on prospective loss costs has been analyzed.

ISO General Liability basic limit loss cost level changes are based on historical aggregate losses and loss adjustment expenses adjusted through development to their ultimate value and projected through trending to a future point in time. The historical statistical data included in this filing is from a period where COVID-19 was not known to be present in the United States.

In anticipation of long-term behavioral, social and economic changes as a result of COVID-19, it is expected, based on the information currently available, that those changes will have a material impact on prospective loss costs for certain risks. To reflect these changes, judgmentally selected adjustment factors have been applied to the loss costs of several classes.

LOSS COST
ADJUSTMENTS
GENERAL LIABILITY

For General Liability, all manually rated classes were reviewed to determine how future economic conditions and changes in behavior could potentially impact the loss experience. The bulk of General Liability classes have economically sensitive exposure bases, including exposure bases gross sales and payroll. These economically sensitive exposure bases will generally adjust to new economic conditions and classes with these bases are not expected to have significant changes in loss potential per exposure. However, there are classes that use exposure bases that are not economically sensitive and would not necessarily be responsive to sudden changes. Classes with exposure bases that are not economically sensitive were reviewed for a potential loss cost adjustment.

The individual classes that use square feet as an exposure base were further examined to determine which may be impacted by long-term behavioral, social and economic changes. The new, large scale work from home policies put in place due to social distancing guidelines has the potential to become a long-lasting change in behavior. Companies may utilize their physical spaces differently than in the past. There will likely be more work from home options and more emphasis on digital solutions to replace physical, in-person meetings. Additionally, it will take time for companies to decrease their physical office footprint to reflect this new environment. With fewer workers, vendors, clients, and other outside visitors present in commercial buildings, there is an expected decrease in occurrences relative to the fixed exposure base of thousands of square feet for certain classes.

LOSS COST
ADJUSTMENTS
GENERAL LIABILITY
(Cont'd)

Nine classifications are being adjusted for this expected decrease in occurrence frequency. The classifications are OL&T classifications within Premises/ Operations Class Group 12 – Building and Offices. These classes are for risks that are primarily an office environment and are expected to be impacted by changes in the office work environment. The varying adjustments, -5% or -10%, reflects the expected decrease in foot traffic for the individual classes listed. The adjustment is a decrease to the revised Premises/Operations loss costs after application of all loss cost changes including any relativity changes and reflecting any capping and build back factors.

In Section A, the impact of adjusting these classes will be reflected in the filed loss costs and in the class group, subline, and overall loss cost level changes.

Class Code	Class Description	Adjustment
61212	Buildings or Premises - bank or office - mercantile or manufacturing (Lessor's risk only) (For-Profit)	-5.0%
61216	Buildings or Premises - bank or office - mercantile or manufacturing (Lessor's risk only) (Not-For-Profit)	-5.0%
61217	Buildings or Premises - bank or office - mercantile or manufacturing - maintained by the insured (Lessor's risk only) (For-Profit)	-5.0%
61218	Buildings or Premises - bank or office - mercantile or manufacturing - maintained by the insured (Lessor's risk only) (Not-For-Profit)	-5.0%
61224	Buildings or Premises - office premises primarily occupied by employees of the insured (For-Profit)	-10.0%
61225	Buildings or Premises - office premises primarily occupied by employees of the insured (Not-For-Profit)	-10.0%
61226	Buildings or Premises - office - Not Otherwise Classified (For-Profit)	-5.0%
61227	Buildings or Premises - office - Not Otherwise Classified (Not-For-Profit)	-5.0%
62000	Condominiums - commercial - bank or mercantile, manufacturing or office (association risk only)	-5.0%

MICHIGAN GL-2020-BGL1
BASIC LIMIT LOSS COST LEVEL
GENERAL LIABILITY OTHER THAN PROFESSIONAL
PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS
ACTUARIAL ANALYSIS SUPPLEMENT

PURPOSE

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

LOSS COST
LEVEL CHANGES

The statewide advisory loss cost level changes are:

SUBLINE	INDICATED	SELECTED	SELECTED
M&C	- 3.4%	- 3.4%	- 3.4%
OL&T	+ 15.7%	+ 15.7%	+ 14.7%
Premises/Operations	+ 6.6%	+ 6.6%	+ 6.1%
Products	+ 0.3%	+ 0.3%	+ 0.3%
Local Products/Completed Operations	+ 5.1%	+ 5.1%	+ 5.1%
Products/Completed Operations	+ 3.2%	+ 3.2%	+ 3.2%
GL Overall	+ 5.8%	+ 5.8%	+ 5.4%

INDICATED
VS. SELECTED
VS. ADJUSTED

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

HISTORICAL
SOURCE DATA

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

ISO reporting companies' voluntary experience.
Fiscal - accident year data through year ended 6/30/2019 for Premises/Operations.
Calendar - accident year data through year ended 12/31/2018 for Products/Completed Operations.

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

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

CALL TO CALL COMPARISON	Manufacturers and Contractors	The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 10.8%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused a 5.4% decrease in ALCCL;
- Implemented loss cost level change (-7.6%);
- A change in exposure trend plus an additional year of trending (-1.1%);
- The effect on ALCCL due to a change in average IPMFs (+3.4%).

The Basic Limit Experience Ratio (BLER) decreased in 2018 (-5.1%). This is mainly due to favorable experience across several class groups.

Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) decreased by an average of 4.6%, when the four years common to both this year's and last year's reviews are compared. This is primarily accounted for by the following changes since the prior review:

- A change in company mix which caused an 5.0% decrease in ALCCL;
- Implemented loss cost level change (+1.9%);
- A change in exposure trend plus an additional year of trending (+0.1%);
- The effect on ALCCL due to a change in average IPMFs (-1.5%).

The Basic Limit Experience Ratio (BLER) increased in 2015 (+8.1%), 2016 (+12.5%) and 2018 (+15.8%). This is mainly due to unfavorable experience across several class groups.

Products

Multistate ALCCL decreased by an average of 21.7% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in company mix which caused a 12.3% decrease in ALCCL;
- Implemented an average loss cost level change of approximately -10.8% in most states;
- A change in exposure trend plus an additional year of trending of -0.8%;
- The effect on ALCCL due to a change in average IPMFs (-0.5%).

The BLERs changed due to the various effects listed above.

CALL TO CALL COMPARISON (Cont'd)	Local Products/ Completed Ops	Multistate ALCCL decreased by an average of 1.3% over the four common years in the latest call. This can be accounted for by the following changes since the prior review: • A change in the companies mix which caused a 3.4% decrease in ALCCL; • Implemented an average loss cost level change of approximately -0.6% in most states; • A change in exposure trend plus an additional year of trending of +1.6%; • The effect on ALCCL due to a change in average IPMFs (+0.9%). The BLERs changed due to the various effects listed above.
LATEST CALL YEAR TO YEAR COMPARISON	Manufacturers and Contractors	The ALCCL increased steadily from 2015 to 2019. The high BLER for 2015 (1.237) is attributable to unfavorable experience in several class groups. The low BLERs for 2017 (0.877) and 2018 (0.894) are attributable to favorable experience in several class groups.
	Owners, Landlords and Tenants	The ALCCL increased from 2015 to 2018 and then decreased thereafter. The high BLERs for 2015 (1.104), 2016 (1.167), 2018 (1.187) and 2019 (1.171) are attributable to unfavorable experience in several class groups.
	Products	The ALCCL increased steadily from 2014 to 2018. The BLER decreased from 2014 to 2015, increased in 2016 and then decreased thereafter.
	Local Products/ Completed Ops	The ALCCL increased steadily from 2014 to 2018. The BLER increased from 2014 to 2015, decreased until 2017 and then increased thereafter.

LOSS DEVELOPMENT FACTOR COMPARISON	Manufacturers and Contractors	The BI and PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.
		The multistate full coverage BI Indemnity factors have increased compared to those in the 2019 review. The multistate full coverage PD Indemnity factors remained stable compared to those in the 2019 review.
		The multistate deductible coverage BI indemnity factors remained stable compared to the 2019 review. The multistate deductible coverage PD indemnity factors have decreased compared to the 2019 review.
		The multistate Fringe indemnity factors have increased compared to the 2019 review.
	Owners, Landlords and Tenants	The BI and PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.
		The multistate full coverage BI Indemnity factors have increased compared to those in the 2019 review. The multistate full coverage PD Indemnity factors remained stable compared to those in the 2019 review.
		The multistate deductible coverage BI and PD Indemnity factors remained stable compared to the 2019 review.
		The multistate Fringe indemnity factors have decreased compared to the 2019 review.
	Products	The multistate full coverage BI and PD indemnity development factors for the 2020 review have increased compared to those in the 2019 review.
		The multistate deductible coverage BI indemnity development factors have increased compared to the 2019 review. The multistate deductible coverage PD indemnity development factors remained stable compared to the 2019 review.

LOSS DEVELOPMENT FACTOR COMPARISON (Cont'd)	Local Products/ Completed Ops	For Local Products, the multistate full coverage BI indemnity development factors in this review remained stable compared to those in the 2019 review. The multistate full coverage PD indemnity development factors in this review have decreased compared to those in the 2019 review. The multistate deductible coverage BI indemnity development factors have decreased compared to the 2019 review. The multistate deductible coverage PD indemnity development factors have increased compared to the 2019 review.

For Completed Operations, the full coverage BI indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review, except for the 39 months-to-ultimate factor which decreased by 10.7%. This can largely be attributed to lower 39-to-51 and 51-to-63 months state link ratios. The full coverage PD indemnity loss development factors for the 2020 review remained stable compared to those in the 2019 review.

The Completed Operations multistate full coverage BI indemnity factors have decreased compared to those in the 2019 review. The multistate full coverage PD indemnity factors have increased compared to those in the 2019 review. The multistate deductible coverage BI indemnity factors have increased compared to those in the 2019 review. The multistate deductible coverage PD indemnity factors have decreased compared to those in the 2019 review.

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

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

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

SEVERITY TREND COMPARISON	Manufacturers and Contractors	The BI severity trend selection is +4.5%, unchanged from +4.5% in the previous 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%, down from +0.5% in the previous Fiscal review.
	Owners, Landlords and Tenants	The BI severity trend selection is +4.0%, up from +3.5% in the previous Fiscal review. The PD severity trend selection is +5.0%, up from +4.5% in the previous Fiscal review. The Fringe severity selection is +1.0%, down from +1.5% in the previous Fiscal review.
	Products	The BI severity trend selection is +3.0%, up from +2.5% in the previous review. The PD severity trend selection is +6.0%, down from +6.5% in the previous review.
	Local Products/ Completed Ops	The BI severity trend selection is +4.0%, up from +2.5% in the previous review. The PD selected severity trend is +4.5%, unchanged from +4.5% in the previous review.

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

	Manufacturers and Contractors	The latest frequency point is lower than the prior point.
	Owners, Landlords and Tenants	The latest frequency point is lower than the prior point.
	Products	The latest frequency point is lower than the prior point.
	Local Products/ Completed Ops	The latest frequency point is lower than the prior point.

EXPOSURE TREND COMPARISON	Manufacturers and Contractors	The exposure trend factors for Manufacturers are lower than that used in the previous review for all three years. The exposure trend factors for Contractors are lower than that used in the previous review for all three years
	Owners, Landlords and Tenants	The exposure trend factors for Class Groups 1-13 are lower than those used in the previous review for all three years. The exposure trend factors for Class Group 16 are lower than that used in the previous review for all three years
	Products	The exposure trend factors are lower than that used in the previous review for all three years.
	Local Products/ Completed Ops	The exposure trend factors for Local Products are lower than that used in the previous review for all three years. The exposure trend factors for Completed Operations are lower than that used in the previous review for all three years.

WEIGHTED AVERAGE IMPLICIT PACKAGE MODIFICATION FACTOR (IPMF) COMPARISON	Manufacturers and Contractors	The current weighted average IPMF is 1.029. In the 2019 review the weighted average IPMF was 0.984.
	Owners, Landlords and Tenants	The current weighted average IPMF is 0.935. In the 2019 review the weighted average IPMF was 0.952.
	Products	The current multistate weighted average IPMF is 0.859. In the 2019 review the multistate weighted average IPMF was 0.856.
	Local Products/ Completed Ops	The current multistate weighted average IPMF is 0.991. In the Group 3, 2019 review the multistate weighted average IPMF was 0.977.

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, Michigan's state balanced relative change (0.962) ranks 13th lowest overall. In last year's review, Michigan's state balanced relative change (0.999) ranked 26th lowest overall.

CHANGE IN COMPANY MIX SINCE LAST CALL	For Manufacturers and Contractors the change in company mix results in an average decrease of 5.4% in the total statewide ALCCL.
	For Owners, Landlords and Tenants, the change in company mix results in an average decrease of 5.0% in the total statewide ALCCL.
	For Products, the change in company mix results in a 12.3% decrease in the total multistate ALCCL.
	For Local Products/Completed Operations, the change in company mix results in a 3.4% decrease in the total multistate ALCCL.

CLASSES 10010–15063
PREM/OPS TERR. 501
PROD/COPS

COMMERCIAL LINES MANUAL
DIVISION SIX
GENERAL LIABILITY
LOSS COST PAGES

MICHIGAN (21)

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/COps)　(Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.095	.195	10205	.172	–	11210	1.74	–	13207	(a)	(a)
10015	6.56	–	10220	3.25	–	11211	9.05	–	13208	(a)	(a)
10020	(a)	(a)	10255	.118	.147	11212	1.37	–	13314	.083	.016
10026	.45	.017	10256	.43	.152	11213	1.12	–	13351	.201	.034
10036	.32	(a)	10257	.081	.169	11214	2.75	–	13352	.205	.038
10040	.072	.30	10309	.111	.015	11222	.046	–	13410	.68	2.99
10042	.26	.35	10315	.26	(a)	11234	.194	.059	13411	(a)	(a)
10052	4.54	–	10331	8.90	–	11248	.022	.018	13412	.228	1.14
10054	4.03	–	10332	15.30	–	11258	.77	.171	13453	.26	(a)
10060	.122	.047	10352	.37	.054	11259	.82	.118	13454	.31	(a)
10065	.183	.03	10367	2.33	–	11273	9.62	–	13455	.31	(a)
10066	.187	.058	10368	3.40	–	11274	9.23	–	13461	(a)	(a)
10070	.054	.154	10375	(a)	–	11288	.94	.069	13506	.63	.062
10071	.219	.09	10378	9.01	–	12014	.048	.033	13507	.76	.16
10072	2.64	–	10379	4.18	–	12356	.82	.028	13590	.233	.74
10073	.49	.45	10380	7.14	–	12361	.054	.077	13621	.059	.32
10075	3.67	.172	10381	6.18	–	12362	.06	(a)	13670	.03	.015
10100	.64	.043	11007	.99	–	12373	.023	.024	13673	.58	.011
10101	.165	.181	11020	.208	.125	12374	.42	.048	13715	.06	.165
10105	1.79	–	11039	.43	.048	12375	.208	.034	13716	.31	.114
10107	1.51	.227	11052	3.34	–	12391	.045	.082	13720	.33	.048
10110	22.30	–	11101	(a)	(a)	12393	.28	(a)	13759	.122	.103
10111	.119	.078	11120	(a)	–	12467	.115	(a)	13930	.127	.201
10113	.248	–	11126	.043	.022	12509	.029	.036	14068	.027	.014
10115	.49	.081	11127	.30	.008	12510	.37	.024	14101	.32	.04
10117	6.52	–	11128	.41	.073	12583	.166	(a)	14279	.225	.057
10119	(a)	–	11138	2.22	–	12651	.48	.53	14401	.77	.094
10120	14.60	–	11155	.147	–	12683	.221	(a)	14405	.58	–
10130	2.44	–	11160	(a)	(a)	12707	.39	.64	14527	.243	.189
10132	2.10	–	11167	.77	–	12797	.082	.196	14655	.061	–
10133	3.21	–	11168	3.99	–	12805	.223	.125	14731	3.32	–
10135	(a)	–	11201	8.67	–	12841	.37	–	14732	.245	–
10140	.025	.021	11202	2.56	–	12927	.065	–	14733	.43	–
10141	.05	.023	11203	.70	.52	13049	.028	.057	14734	.183	–
10145	.241	.008	11204	.216	1.38	13111	.71	.093	14855	.104	.154
10146	.29	.014	11205	(a)	–	13112	.046	.063	14913	.23	.104
10150	.34	(a)	11206	.40	–	13201	.43	.16	15060	(a)	(a)
10151	8.59	–	11207	5.08	–	13204	.48	1.45	15061	(a)	(a)
10160	1.53	–	11208	.87	–	13205	.186	.46	15062	.093	(a)
10204	.154	–	11209	4.09	–	13206	(a)	(a)	15063	.108	(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	Class Code	Prem/Ops	Prod/Cops
15070	.078	–	16750	.072	.032	18707	.009	.004	40117	(a)	–	41001	.245	–
15119	(a)	–	16751	.072	–	18708	.079	.019	40140	(a)	–	41210	(a)	–
15120	(a)	–	16819	.56	(a)	18833	.107	(a)				41421	.46	–
15123	3.20	–	16820	.44	(a)	18834	.205	.12				41422	.246	–
15124	1.12	–	16881	1.12	(a)	18911	.65	.017				41510	32.50	–
15188	.164	(a)	16890	.066	(a)	18912	1.22	.024				41603	21.90	–
15223	.036	.041	16891	.072	(a)	18920	.32	.016				41604	12.00	–
15224	.35	.046	16892	.131	(a)	18991	(a)	–				41620	.73	–
15300	(a)	–	16900	1.30	.068	19007	1.25	–				41650	30.80	–
15314	.147	(a)	16901	.84	.082	19051	2.78	–				41664	31.00	–
15404	.042	(a)	16902	.71	.057	19061	(a)	–				41665	3.63	–
15405	.062	(a)	16905	1.37	.068	19795	.212	(a)				41666	(a)	–
15406	.159	.048	16906	.88	.082	19796	.248	–				41667	84.60	–
15488	.40	(a)	16910	.78	.055	40005	(a)	–				41668	79.30	–
15538	.26	.012	16911	.71	.038	40006	(a)	–				41669	.56	–
15600	.66	.079	16915	.80	.046	40010	(a)	–				41670	.93	–
15607	.102	–	16916	.67	.037	40015	(a)	–				41672	(a)	–
15608	.147	.01	16920	1.78	.112	40020	(a)	–				41673	(a)	–
15656	4.35	–	16921	1.63	.044	40026	(a)	–				41675	(a)	–
15699	.25	–	16930	1.02	.129	40031	(a)	–				41677	.15	–
15733	.104	.037	16931	1.10	.053	40032	(a)	–				41678	66.50	–
15839	.198	.022	16940	2.22	.044	40040	(a)	–				41679	(a)	(a)
15991	.162	.075	16941	.89	.064	40041	(a)	–				41680	16.00	–
15993	.137	.044	18078	.108	.13	40042	(a)	–				41696	.47	–
16005	.032	.034	18109	.27	.03	40045	204.00	–				41697	.33	–
16009	.127	.094	18110	.216	.027	40046	40.40	–				41700	(a)	–
16402	.98	–	18200	(a)	–	40047	14.40	–				41715	10.20	–
16403	.62	.13	18205	.166	.35	40059	5.16	–				41716	6.46	–
16404	.78	–	18206	.35	.098	40061	2.74	–				43007	(a)	–
16471	.144	–	18335	.25	.017	40063	91.50	–				43117	(a)	–
16501	.067	(a)	18435	.68	.051	40064	26.90	–				43151	21.20	–
16527	.103	.35	18436	.55	.093	40066	(a)	–				43152	19.90	–
16588	.059	(a)	18437	.36	(a)	40067	(a)	–				43200	80.90	–
16604	.099	.146	18438	.69	(a)	40069	(a)	–				43215	(a)	–
16670	3.69	–	18501	.62	.01	40072	(a)	–				43421	22.20	–
16676	.205	.013	18506	.207	.006	40075	42.70	–				43422	116.00	–
16694	.195	(a)	18507	.129	.008	40101	24.70	–				43424	(a)	–
16705	.19	.148	18570	1.35	–	40102	21.80	–				43470	2.76	–
16722	(a)	–	18575	(a)	(a)	40111	7.25	–						
16723	(a)	–	18616	.158	.59	40115	(a)	–						

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
						$100,000/200,000 BASIC LIMIT OCCURRENCE					

$100,000/200,000 BASIC LIMIT OCCURRENCE
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501
Products/Completed Operations (Prod/COps)　　(Subline Code 336) Entire State Territory 999

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43517	(a)	–	44277	70.40	–	46004	29.20	–	47471	4.00	–
43518	13.30	–	44280	.15	–	46005	23.40	–	47473	5.23	–
43550	79.00	–	44311	6.85	–	46112	.097	–	47474	5.85	–
43551	43.90	–	44315	4.60	–	46202	2.82	–	47475	4.62	–
43626	10.60	–	44427	89.20	–	46362	232.00	–	47476	4.62	–
43628	138.00	–	44428	89.70	–	46426	33.90	–	47477	6.16	–
43629	117.00	–	44429	1.35	–	46427	45.30	–	47478	6.46	–
43754	(a)	–	44430	.94	–	46510	(a)	–	47600	(a)	–
43760	3.89	–	44431	2.99	–	46590	(a)	–	47610	(a)	–
43822	2.20	–	44432	.95	–	46603	2.85	–	48039	57.30	–
43840	.027	–	44433	30.20	–	46604	3.28	–	48177	(a)	–
43860	1.73	–	44434	57.70	–	46606	8.75	–	48178	(a)	–
43889	.62	–	44435	59.80	–	46607	12.00	–	48206	28.10	–
43945	(a)	–	44436	69.80	–	46622	6.42	–	48252	(a)	–
43946	(a)	–	44437	57.80	–	46671	(a)	–	48441	.118	–
43990	(a)	(a)	44438	45.70	–	46700	163.00	–	48557	11.80	–
43991	(a)	–	44439	89.00	–	46773	(a)	–	48558	10.30	–
44009	3.91	–	44440	73.60	–	46822	(a)	–	48600	67.80	–
44010	(a)	(a)	44500	(a)	–	46881	(a)	–	48610	(a)	–
44069	11.30	–	44501	(a)	–	46882	(a)	–	48636	.82	(a)
44070	3.36	–	45190	2.22	–	46911	21.00	–	48637	9.01	–
44071	3.74	–	45191	1.58	–	46912	38.50	–	48638	4.47	–
44072	2.58	–	45192	1.85	–	46913	(a)	–	48727	(a)	–
44100	1.60	–	45193	1.09	–	46914	(a)	–	48808	1.11	–
44101	1.67	–	45210	1.38	–	46915	(a)	–	48924	(a)	–
44102	1.30	–	45224	(a)	–	46916	(a)	–	48925	216.00	–
44103	1.15	–	45225	(a)	–	47050	.60	–	49005	.102	–
44104	.48	–	45334	46.60	–	47051	(a)	–	49111	1.70	–
44105	(a)	–	45380	.121	(a)	47052	(a)	–	49181	18.70	–
44106	(a)	–	45450	13.70	–	47103	(a)	–	49183	22.80	–
44108	.57	–	45523	(a)	–	47146	(a)	–	49184	48.20	–
44109	1.43	–	45524	(a)	–	47147	(a)	–	49185	43.90	–
44110	1.47	–	45539	(a)	–	47221	178.00	–	49239	.091	.60
44111	.90	–	45678	.162	–	47253	(a)	–	49292	1.37	–
44112	.53	–	45771	.185	.164	47254	(a)	–	49305	(a)	–
44113	(a)	–	45819	.06	.051	47318	8.63	–	49333	10.10	–
44193	(a)	–	45900	.075	.034	47367	.15	–	49451	(a)	–
44194	(a)	–	45901	.065	.049	47420	1.89	–	49452	(a)	–
44222	(a)	–	45937	.183	–	47468	(a)	–	49617	.26	.144
44276	109.00	–	45993	(a)	(a)	47469	4.62	–	49618	.222	.047

MICHIGAN (21)   **COMMERCIAL LINES MANUAL**   **CLASSES 49619–53632**
DIVISION SIX   **PREM/OPS TERR. 501**
GENERAL LIABILITY   **PROD/COPS**
LOSS COST PAGES

$100,000/200,000 BASIC LIMIT OCCURRENCE
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501
Products/Completed Operations (Prod/COps)   (Subline Code 336) Entire State Territory 999

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.42	.098	51315	.059	.106	51809	.111	.153	52341	.023	(a)
49763	2.71	–	51330	.05	.53	51833	.121	.06	52342	.068	(a)
49800	(a)	–	51333	.016	.34	51850	.121	(a)	52343	.042	(a)
49801	157.00	–	51340	.011	(a)	51851	.082	(a)	52401	.128	(a)
49802	13.90	–	51350	.187	.135	51852	.193	(a)	52402	.006	(a)
49803	24.70	–	51351	.167	.042	51853	.078	(a)	52432	.03	(a)
49840	.62	–	51352	.23	.108	51854	.174	(a)	52433	.027	1.02
49870	90.10	–	51355	.156	.094	51855	.182	(a)	52435	.034	(a)
49890	(a)	–	51356	.169	.62	51856	.10	(a)	52438	.025	(a)
49891	(a)	–	51357	.084	.66	51857	.172	(a)	52440	.039	(a)
49902	(a)	–	51358	.201	.141	51869	.03	.136	52467	.036	(a)
49903	(a)	–	51359	.177	.78	51877	.167	.212	52469	.013	.104
50010	.065	.49	51370	.13	4.57	51889	.028	.012	52505	.063	.216
50015	.042	(a)	51380	.013	.044	51896	.013	.018	52547	.111	.078
50017	.032	(a)	51400	.117	(a)	51900	.09	.095	52581	.31	2.95
50045	.073	(a)	51401	.173	(a)	51909	.11	.056	52619	.021	(a)
50047	.008	(a)	51500	.025	.119	51919	.028	(a)	52660	.053	–
51001	.028	.45	51516	.045	–	51926	.028	.038	52744	.46	.081
51005	.006	(a)	51517	.051	–	51927	.015	.131	52767	.102	(a)
51116	.071	.69	51550	.03	.39	51934	.031	.125	52876	(a)	(a)
51201	.011	(a)	51551	.011	.91	51941	.028	.041	52911	.017	.45
51205	.034	.071	51552	.018	.159	51942	.045	–	52967	.006	.062
51206	.005	.39	51553	.033	(a)	51956	.122	.221	53001	.063	.33
51210	.049	(a)	51554	.003	(a)	51957	.107	.42	53077	.03	.207
51211	(a)	(a)	51575	.05	.02	51958	.095	.41	53095	.021	(a)
51220	.169	2.28	51576	.058	.093	51959	.098	(a)	53096	.029	(a)
51221	.094	1.78	51600	.04	.191	51960	.013	.35	53121	.082	.44
51222	.114	3.67	51613	.026	.139	51970	.056	.238	53147	.017	(a)
51224	.12	1.45	51625	.026	(a)	51982	.016	.083	53229	.096	(a)
51230	.02	.79	51666	.079	.101	51985	.042	–	53271	.015	(a)
51240	.133	.185	51702	.078	(a)	51986	.065	.103	53333	.095	.239
51241	.40	.26	51703	.032	(a)	51999	.027	.44	53374	.122	.31
51250	.13	(a)	51734	.06	.31	52002	.024	.129	53375	.065	.223
51251	.011	(a)	51741	.069	.26	52075	.096	.243	53376	.104	.194
51252	.04	.10	51752	.058	.165	52076	.115	(a)	53377	.106	.195
51253	.034	(a)	51767	.023	.008	52109	.006	(a)	53403	.067	(a)
51254	.011	.039	51777	.081	.078	52134	.08	.63	53425	.089	(a)
51255	.33	(a)	51790	.134	(a)	52137	.038	(a)	53565	.078	.108
51300	.111	.16	51796	.025	(a)	52150	.148	(a)	53631	.01	.022
51305	.111	.96	51808	.09	.73	52315	.105	.26	53632	.011	.034

CLASSES 53731–59693   **COMMERCIAL LINES MANUAL**   **MICHIGAN (21)**
PREM/OPS TERR. 501   **DIVISION SIX**
PROD/COPS   **GENERAL LIABILITY**
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
53731	.01	(a)	56170	.088	(a)	57401	.02	.096	58503	.024	.076
53732	.068	.45	56171	.043	(a)	57403	.165	.035	58532	.031	(a)
53733	.045	.27	56202	.023	.089	57410	.01	.162	58559	.006	(a)
53734	.27	–	56390	.04	.64	57411	.022	(a)	58560	.015	(a)
53803	.213	(a)	56391	.034	.32	57572	.006	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.055	.125	57600	.017	.034	58575	.02	.12
53902	(a)	(a)	56488	.134	.034	57611	.047	.062	58627	.063	.013
53903	(a)	(a)	56567	.091	(a)	57625	.148	(a)	58663	.201	1.28
53904	(a)	(a)	56650	.28	(a)	57651	.018	.041	58682	.056	(a)
53905	(a)	(a)	56651	.151	(a)	57690	.061	.49	58713	.051	(a)
53907	.03	.103	56652	.108	(a)	57716	.029	.082	58737	.041	.63
53951	(a)	(a)	56653	.104	(a)	57725	.063	.088	58756	.038	(a)
53952	(a)	(a)	56654	.053	(a)	57726	.049	.021	58757	.137	(a)
53953	(a)	(a)	56690	.07	.35	57798	.009	(a)	58759	.017	(a)
54012	.027	–	56699	.025	.057	57800	.034	(a)	58802	.019	.48
54077	.041	.40	56758	.022	.148	57808	.024	(a)	58813	.092	(a)
54444	(a)	(a)	56759	.022	.08	57809	.025	(a)	58822	.053	(a)
55010	.124	1.08	56760	.032	.098	57810	.024	.107	58837	.186	.162
55011	.034	1.57	56805	.042	(a)	57871	.029	.118	58840	.056	.127
55012	.04	1.18	56806	.03	(a)	57913	.044	.29	58873	.088	.03
55013	.081	1.14	56807	.029	(a)	57997	.06	–	58903	.012	(a)
55014	(a)	(a)	56808	.038	(a)	57998	.02	.058	58904	.009	.128
55214	.032	.088	56900	.037	(a)	57999	.04	.071	58922	.147	.168
55371	.31	.119	56910	.018	(a)	58009	.04	(a)	59005	.023	.096
55410	(a)	(a)	56911	.078	(a)	58010	.045	(a)	59057	.17	(a)
55426	.098	(a)	56912	.063	.09	58020	.177	(a)	59058	.11	(a)
55597	.008	1.79	56913	.052	(a)	58056	.054	(a)	59188	.35	.055
55647	.016	.062	56915	.31	(a)	58057	.034	(a)	59189	.48	.30
55648	.007	(a)	56916	.28	.205	58058	.031	(a)	59223	.092	.088
55649	.009	(a)	56917	.08	(a)	58095	.043	1.99	59257	.006	.013
55715	.064	.224	56918	.038	(a)	58096	.057	1.23	59306	.039	(a)
55716	.093	.52	56919	.098	(a)	58301	.031	.088	59378	.06	.15
55717	.129	(a)	56920	.089	(a)	58302	.015	.055	59481	.104	.099
55718	.125	(a)	56980	.032	(a)	58397	.09	.74	59482	.37	(a)
55802	.081	.009	57001	.011	.026	58408	.035	–	59537	.064	.21
55918	.037	2.74	57002	.007	.106	58409	.045	–	59601	.039	2.37
55919	.005	3.65	57090	.143	.66	58456	.024	–	59647	.164	.17
56040	.004	.033	57146	.091	.72	58457	.035	–	59660	.072	1.18
56041	.023	(a)	57202	.028	(a)	58458	.045	–	59661	.035	(a)
56042	.029	(a)	57257	.035	.035	58459	.054	–	59693	.006	–

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.179	.069	63220	(a)	–	91190	2.04	(a)
59701	.003	.29	59970	.055	.183	64074	15.70	–	91200	.64	–
59713	.065	.31	59973	.049	(a)	64075	11.10	–	91210	(a)	–
59722	.033	.031	59975	.077	.227	64500	(a)	–	91235	1.67	2.53
59723	.013	.037	59977	.044	(a)	65007	36.10	–	91250	2.51	(a)
59724	.019	.019	59984	.014	.053	66122	15.50	–	91265	13.70	2.78
59725	.024	.116	59985	.053	(a)	66123	8.54	–	91266	7.24	1.05
59726	.017	.024	59986	.04	(a)	66309	25.00	–	91280	(a)	1.97
59738	.056	.064	59988	.02	.059	66561	57.80	–	91302	11.00	(a)
59750	.048	.222	59989	.007	.044	67017	53.60	–	91315	3.35	–
59751	.017	(a)	60010	31.60	–	67508	36.90	–	91324	7.47	(a)
59773	.021	.028	60011	36.30	–	67509	27.10	–	91325	(a)	(a)
59774	.017	.15	60012	59.70	–	67510	15.10	–	91340	4.87	6.91
59775	.022	.188	60013	51.10	–	67511	16.30	–	91341	4.35	4.09
59781	.042	.068	60015	38.20	–	67512	69.90	–	91342	4.47	2.74
59782	.062	.46	60016	42.90	–	67513	44.30	–	91343	.96	1.50
59783	.06	(a)	60035	40.70	–	67634	46.40	–	91405	5.68	–
59784	.046	(a)	61000	31.30	–	67635	32.80	–	91436	4.92	2.52
59790	.043	(a)	61212	20.80	–	68001	100.00	–	91481	18.00	–
59798	.157	.50	61216	23.10	–	68439	129.00	–	91507	2.65	2.94
59806	.113	(a)	61217	21.00	–	68500	6.95	–	91523	40.80	–
59867	.048	(a)	61218	14.30	–	68604	2.41	–	91547	.232	–
59886	.007	.108	61223	102.00	–	68606	9.41	–	91551	1.44	.64
59889	.068	.165	61224	32.50	–	68607	7.44	–	91555	1.01	.78
59892	.06	(a)	61225	45.10	–	68702	6.13	–	91560	4.00	3.39
59904	.041	.061	61226	75.90	–	68703	4.60	–	91562	3.20	–
59905	.03	.132	61227	69.40	–	68706	19.70	–	91577	11.50	2.83
59914	.178	.68	62000	15.80	–	68707	19.50	–	91580	5.28	–
59915	.135	.75	62001	12.50	–	90089	4.16	–	91581	(a)	(a)
59917	.025	.205	62002	5.69	–	91111	2.15	4.49	91582	(a)	(a)
59923	.004	.004	62003	17.90	–	91125	2.51	1.88	91583	(a)	(a)
59925	.181	1.19	63010	56.80	–	91127	1.45	1.16	91584	(a)	(a)
59926	.154	.45	63011	71.00	–	91130	1.12	–	91585	(a)	(a)
59927	.104	1.42	63012	101.00	–	91135	.31	(a)	91586	(a)	(a)
59931	.08	.55	63013	95.70	–	91150	1.37	4.00	91587	(a)	(a)
59932	.086	.88	63215	59.30	–	91155	3.04	26.80	91588	(a)	(a)
59941	.027	(a)	63216	41.10	–	91160	1.01	–	91589	(a)	(a)
59947	.041	.32	63217	41.10	–	91175	.87	–	91590	3.33	–
59955	.01	.143	63218	13.80	–	91177	3.79	–	91591	(a)	(a)
59963	.077	.41	63219	(a)	–	91179	3.81	–	91606	11.00	–

CLASSES 91618–99004
PREM/OPS TERR. 501
PROD/COPS

COMMERCIAL LINES MANUAL
DIVISION SIX
GENERAL LIABILITY
LOSS COST PAGES

MICHIGAN (21)

\$100,000/200,000 BASIC LIMIT OCCURRENCE										
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501										
Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999										
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91618	(a)	(a)	95357	1.12	–	97653	3.02	2.95	98426	2.45	(a)
91629	2.24	(a)	95358	(a)	–	97654	5.26	2.76	98427	2.38	–
91636	3.84	–	95410	4.27	2.36	97655	4.20	4.00	98428	(a)	–
91641	1.04	(a)	95455	4.64	1.26	98002	.76	.65	98429	1.00	–
91666	.90	(a)	95487	2.29	(a)	98003	.94	(a)	98430	(a)	–
91722	3.36	(a)	95505	2.16	1.70	98090	.127	–	98449	3.42	19.00
91746	3.20	4.47	95620	1.86	(a)	98091	.138	–	98482	3.67	5.68
91805	.201	–	95625	5.28	3.08	98092	.42	–	98483	5.42	16.00
92053	.50	.42	95630	(a)	(a)	98111	.42	–	98502	5.19	3.19
92054	.17	.16	95647	2.01	5.34	98150	(a)	–	98555	2.41	–
92055	4.75	.191	95648	(a)	(a)	98151	(a)	–	98597	.54	–
92101	7.43	2.97	96053	1.53	4.15	98152	2.56	.61	98598	.186	–
92102	4.47	2.84	96317	1.16	–	98153	2.88	(a)	98601	6.21	(a)
92215	2.39	1.92	96408	3.70	13.70	98154	3.40	(a)	98622	(a)	–
92338	1.72	1.48	96409	3.42	9.59	98155	4.76	(a)	98623	(a)	–
92445	2.20	–	96410	3.00	7.32	98156	(a)	(a)	98624	.98	–
92446	5.65	1.68	96611	1.12	1.55	98157	3.04	.42	98636	2.05	2.68
92447	4.94	1.62	96702	4.26	(a)	98158	(a)	(a)	98640	107.00	–
92451	1.67	2.22	96703	(a)	–	98159	2.04	(a)	98658	4.92	–
92453	3.13	–	96816	3.99	–	98160	4.32	(a)	98659	.88	.35
92478	1.55	1.63	96872	4.12	(a)	98161	4.84	(a)	98677	16.90	8.44
92593	21.90	–	96930	(a)	–	98162	(a)	(a)	98678	15.00	11.10
92663	.52	–	97002	(a)	(a)	98163	5.08	.208	98698	(a)	(a)
94007	10.60	4.18	97003	(a)	(a)	98164	1.41	.062	98699	4.88	(a)
94099	2.41	–	97047	3.40	–	98257	1.42	–	98705	6.96	–
94225	8.50	–	97050	2.64	–	98303	9.56	5.45	98710	3.39	–
94276	4.43	3.28	97111	5.11	–	98304	5.28	2.69	98751	3.72	–
94304	2.13	(a)	97220	.30	(a)	98305	2.73	1.37	98805	4.43	.94
94381	4.00	8.86	97221	(a)	1.02	98306	7.02	.62	98806	1.91	3.30
94404	4.20	4.46	97222	1.11	1.64	98307	1.67	.38	98810	3.85	–
94444	(a)	(a)	97223	1.67	2.31	98308	1.10	.74	98813	3.71	1.35
94569	2.83	3.31	97308	.56	–	98309	4.80	1.27	98820	8.45	2.55
94590	12.20	–	97447	1.84	3.78	98344	.76	.68	98871	(a)	(a)
94617	3.85	–	97501	(a)	–	98405	1.25	–	98884	2.20	1.22
94638	(a)	–	97502	(a)	–	98413	13.90	(a)	98914	.60	.38
95124	1.42	.52	97503	(a)	–	98414	12.70	(a)	98949	.84	.245
95233	3.05	–	97504	(a)	–	98415	1.67	(a)	98967	3.45	8.51
95305	3.31	–	97650	3.53	2.79	98423	3.98	(a)	98993	3.92	3.17
95306	4.40	–	97651	5.44	3.20	98424	6.75	(a)	99003	1.64	1.17
95310	7.91	.88	97652	4.72	4.04	98425	2.77	(a)	99004	3.09	1.20

MICHIGAN (21)   **COMMERCIAL LINES MANUAL**   **CLASSES 99080–99988**
DIVISION SIX   **PREM/OPS TERR. 501**
GENERAL LIABILITY   **PROD/COPS**
LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501											
Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.16	7.18	99826	.76	.40						
99081	(a)	–	99827	.42	.39						
99082	(a)	–	99851	1.70	–						
99083	(a)	–	99917	2.76	–						
99084	(a)	(a)	99938	3.10	–						
99085	(a)	(a)	99943	8.98	–						
99111	1.69	–	99946	6.69	1.84						
99160	(a)	–	99948	4.73	21.80						
99163	4.02	.46	99952	5.63	14.20						
99165	.88	(a)	99953	6.08	8.67						
99220	1.32	(a)	99954	4.43	7.07						
99221	(a)	(a)	99955	5.55	5.74						
99222	2.48	(a)	99963	.67	–						
99223	.248	(a)	99969	2.40	1.69						
99303	13.50	–	99975	4.92	–						
99310	3.37	(a)	99986	(a)	–						
99315	9.92	1.87	99987	(a)	–						
99321	9.63	2.25	99988	2.12	–						
99445	(a)	(a)									
99471	.60	–									
99505	3.32	–									
99506	4.08	–									
99507	3.56	–									
99570	1.91	(a)									
99571	.46	(a)									
99572	.91	(a)									
99573	.87	(a)									
99600	1.34	–									
99613	8.53	2.09									
99614	3.00	–									
99620	.46	–									
99650	.91	.96									
99709	2.23	(a)									
99718	1.36	–									
99746	2.31	2.15									
99760	.26	–									
99777	6.66	–									
99793	2.93	–									
99798	(a)	(a)									
99803	(a)	7.91									

\$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	.109	.195	10205	.223	–	11210	3.10	–	13207	(a)	(a)
10015	10.90	–	10220	4.21	–	11211	16.10	–	13208	(a)	(a)
10020	(a)	(a)	10255	.152	.147	11212	2.43	–	13314	.107	.016
10026	.58	.017	10256	.56	.152	11213	1.99	–	13351	.26	.034
10036	.41	(a)	10257	.105	.169	11214	4.89	–	13352	.27	.038
10040	.083	.30	10309	.144	.015	11222	.082	–	13410	.87	2.99
10042	.33	.35	10315	.34	(a)	11234	.25	.059	13411	(a)	(a)
10052	7.57	–	10331	14.80	–	11248	.029	.018	13412	.29	1.14
10054	6.71	–	10332	25.60	–	11258	.80	.171	13453	.34	(a)
10060	.158	.047	10352	.39	.054	11259	.86	.118	13454	.40	(a)
10065	.237	.03	10367	4.14	–	11273	12.50	–	13455	.40	(a)
10066	.242	.058	10368	6.05	–	11274	12.00	–	13461	(a)	(a)
10070	.063	.154	10375	(a)	–	11288	.98	.069	13506	.82	.062
10071	.28	.09	10378	15.00	–	12014	.062	.033	13507	.99	.16
10072	4.69	–	10379	6.97	–	12356	1.06	.028	13590	.30	.74
10073	.64	.45	10380	11.90	–	12361	.058	.077	13621	.076	.32
10075	4.74	.172	10381	10.30	–	12362	.069	(a)	13670	.032	.015
10100	.66	.043	11007	1.76	–	12373	.026	.024	13673	.60	.011
10101	.214	.181	11020	.27	.125	12374	.55	.048	13715	.069	.165
10105	2.32	–	11039	.56	.048	12375	.27	.034	13716	.41	.114
10107	1.95	.227	11052	3.39	–	12391	.052	.082	13720	.34	.048
10110	37.20	–	11101	(a)	(a)	12393	.36	(a)	13759	.158	.103
10111	.137	.078	11120	(a)	–	12467	.149	(a)	13930	.146	.201
10113	.32	–	11126	.056	.022	12509	.038	.036	14068	.035	.014
10115	.64	.081	11127	.35	.008	12510	.48	.024	14101	.41	.04
10117	10.90	–	11128	.47	.073	12583	.214	(a)	14279	.29	.057
10119	(a)	–	11138	3.71	–	12651	.62	.53	14401	.80	.094
10120	24.40	–	11155	.191	–	12683	.29	(a)	14405	1.04	–
10130	3.16	–	11160	(a)	(a)	12707	.45	.64	14527	.28	.189
10132	2.72	–	11167	.78	–	12797	.095	.196	14655	.079	–
10133	3.26	–	11168	4.05	–	12805	.29	.125	14731	3.37	–
10135	(a)	–	11201	15.40	–	12841	.48	–	14732	.249	–
10140	.027	.021	11202	4.56	–	12927	.084	–	14733	.55	–
10141	.053	.023	11203	.81	.52	13049	.03	.057	14734	.237	–
10145	.26	.008	11204	.28	1.38	13111	.74	.093	14855	.134	.154
10146	.30	.014	11205	(a)	–	13112	.049	.063	14913	.30	.104
10150	.44	(a)	11206	.72	–	13201	.55	.16	15060	(a)	(a)
10151	11.10	–	11207	9.03	–	13204	.62	1.45	15061	(a)	(a)
10160	1.98	–	11208	1.55	–	13205	.24	.46	15062	.12	(a)
10204	.20	–	11209	7.27	–	13206	(a)	(a)	15063	.14	(a)

MICHIGAN (21)   **COMMERCIAL LINES MANUAL**   **CLASSES 15070–43470**
DIVISION SIX   **PREM/OPS TERR. 503**
GENERAL LIABILITY   **PROD/COPS**
LOSS COST PAGES

$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503											
Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.139	–	16750	.093	.032	18707	.01	.004	40117	(a)	–
15119	(a)	–	16751	.093	–	18708	.102	.019	40140	(a)	–
15120	(a)	–	16819	.73	(a)	18833	.123	(a)	41001	.41	–
15123	3.25	–	16820	.56	(a)	18834	.27	.12	41210	(a)	–
15124	1.14	–	16881	1.46	(a)	18911	.84	.017	41421	.28	–
15188	.211	(a)	16890	.085	(a)	18912	1.58	.024	41422	.147	–
15223	.038	.041	16891	.093	(a)	18920	.41	.016	41510	42.10	–
15224	.36	.046	16892	.169	(a)	18991	(a)	–	41603	13.00	–
15300	(a)	–	16900	1.59	.068	19007	1.27	–	41604	7.15	–
15314	.191	(a)	16901	1.02	.082	19051	2.82	–	41620	1.29	–
15404	.055	(a)	16902	.86	.057	19061	(a)	–	41650	18.30	–
15405	.081	(a)	16905	1.67	.068	19795	.27	(a)	41664	51.60	–
15406	.205	.048	16906	1.07	.082	19796	.32	–	41665	6.05	–
15488	.51	(a)	16910	.95	.055	40005	(a)	–	41666	(a)	–
15538	.34	.012	16911	.86	.038	40006	(a)	–	41667	141.00	–
15600	.86	.079	16915	.98	.046	40010	(a)	–	41668	132.00	–
15607	.182	–	16916	.82	.037	40015	(a)	–	41669	.93	–
15608	.191	.01	16920	2.17	.112	40020	(a)	–	41670	1.56	–
15656	5.64	–	16921	1.98	.044	40026	(a)	–	41672	(a)	–
15699	.45	–	16930	1.25	.129	40031	(a)	–	41673	(a)	–
15733	.134	.037	16931	1.35	.053	40032	(a)	–	41675	(a)	–
15839	.26	.022	16940	2.71	.044	40040	(a)	–	41677	.27	–
15991	.21	.075	16941	1.09	.064	40041	(a)	–	41678	45.40	–
15993	.177	.044	18078	.124	.13	40042	(a)	–	41679	(a)	(a)
16005	.036	.034	18109	.35	.03	40045	341.00	–	41680	9.54	–
16009	.164	.094	18110	.28	.027	40046	67.40	–	41696	.84	–
16402	1.27	–	18200	(a)	–	40047	24.00	–	41697	.59	–
16403	.80	.13	18205	.192	.35	40059	8.60	–	41700	(a)	–
16404	1.01	–	18206	.45	.098	40061	4.56	–	41715	6.05	–
16471	.26	–	18335	.33	.017	40063	153.00	–	41716	3.85	–
16501	.077	(a)	18435	.70	.051	40064	44.90	–	43007	(a)	–
16527	.118	.35	18436	.57	.093	40066	(a)	–	43117	(a)	–
16588	.076	(a)	18437	.47	(a)	40067	(a)	–	43151	19.50	–
16604	.128	.146	18438	.89	(a)	40069	(a)	–	43152	13.60	–
16670	6.16	–	18501	.64	.01	40072	(a)	–	43200	74.10	–
16676	.27	.013	18506	.27	.006	40075	39.10	–	43215	(a)	–
16694	.25	(a)	18507	.168	.008	40101	34.80	–	43421	20.30	–
16705	.219	.148	18570	1.75	–	40102	30.80	–	43422	107.00	–
16722	(a)	–	18575	(a)	(a)	40111	12.10	–	43424	(a)	–
16723	(a)	–	18616	.204	.59	40115	(a)	–	43470	4.91	–

CLASSES 43517–49618   COMMERCIAL LINES MANUAL   MICHIGAN (21)
PREM/OPS TERR. 503   DIVISION SIX
PROD/COPS   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
43517	(a)	–	44277	64.50	–	46004	17.40	–	47471	2.38	–
43518	22.10	–	44280	.27	–	46005	13.90	–	47473	3.12	–
43550	72.40	–	44311	11.40	–	46112	.137	–	47474	3.48	–
43551	40.20	–	44315	7.68	–	46202	4.50	–	47475	2.75	–
43626	17.70	–	44427	126.00	–	46362	159.00	–	47476	2.75	–
43628	230.00	–	44428	127.00	–	46426	23.20	–	47477	3.67	–
43629	195.00	–	44429	1.90	–	46427	30.90	–	47478	3.85	–
43754	(a)	–	44430	1.32	–	46510	(a)	–	47600	(a)	–
43760	6.49	–	44431	4.22	–	46590	(a)	–	47610	(a)	–
43822	3.91	–	44432	1.34	–	46603	1.94	–	48039	52.50	–
43840	.048	–	44433	42.60	–	46604	2.24	–	48177	(a)	–
43860	3.08	–	44434	81.50	–	46606	5.98	–	48178	(a)	–
43889	1.10	–	44435	84.40	–	46607	8.22	–	48206	46.80	–
43945	(a)	–	44436	98.50	–	46622	11.40	–	48252	(a)	–
43946	(a)	–	44437	81.70	–	46671	(a)	–	48441	.197	–
43990	(a)	(a)	44438	64.50	–	46700	149.00	–	48557	19.70	–
43991	(a)	–	44439	126.00	–	46773	(a)	–	48558	17.10	–
44009	3.97	–	44440	104.00	–	46822	(a)	–	48600	46.30	–
44010	(a)	(a)	44500	(a)	–	46881	(a)	–	48610	(a)	–
44069	18.90	–	44501	(a)	–	46882	(a)	–	48636	.55	(a)
44070	5.60	–	45190	3.54	–	46911	35.00	–	48637	15.00	–
44071	6.23	–	45191	2.52	–	46912	64.10	–	48638	7.45	–
44072	4.30	–	45192	2.94	–	46913	(a)	–	48727	(a)	–
44100	1.69	–	45193	1.74	–	46914	(a)	–	48808	1.44	–
44101	1.76	–	45210	2.20	–	46915	(a)	–	48924	(a)	–
44102	1.38	–	45224	(a)	–	46916	(a)	–	48925	359.00	–
44103	1.22	–	45225	(a)	–	47050	1.07	–	49005	.182	–
44104	.51	–	45334	42.70	–	47051	(a)	–	49111	2.21	–
44105	(a)	–	45380	.157	(a)	47052	(a)	–	49181	17.20	–
44106	(a)	–	45450	12.60	–	47103	(a)	–	49183	20.90	–
44108	.60	–	45523	(a)	–	47146	(a)	–	49184	44.20	–
44109	1.52	–	45524	(a)	–	47147	(a)	–	49185	40.20	–
44110	1.55	–	45539	(a)	–	47221	163.00	–	49239	.117	.60
44111	.95	–	45678	.29	–	47253	(a)	–	49292	1.26	–
44112	.56	–	45771	.239	.164	47254	(a)	–	49305	(a)	–
44113	(a)	–	45819	.078	.051	47318	14.40	–	49333	9.21	–
44193	(a)	–	45900	.098	.034	47367	.27	–	49451	(a)	–
44194	(a)	–	45901	.084	.049	47420	3.15	–	49452	(a)	–
44222	(a)	–	45937	.167	–	47468	(a)	–	49617	.27	.144
44276	99.40	–	45993	(a)	(a)	47469	2.75	–	49618	.225	.047

$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.42	.098	51315	.076	.106	51809	.143	.153	52341	.016	(a)
49763	2.75	–	51330	.033	.53	51833	.118	.06	52342	.045	(a)
49800	(a)	–	51333	.011	.34	51850	.081	(a)	52343	.028	(a)
49801	144.00	–	51340	.014	(a)	51851	.055	(a)	52401	.086	(a)
49802	12.80	–	51350	.182	.135	51852	.128	(a)	52402	.008	(a)
49803	22.60	–	51351	.163	.042	51853	.052	(a)	52432	.038	(a)
49840	1.10	–	51352	.224	.108	51854	.116	(a)	52433	.035	1.02
49870	150.00	–	51355	.153	.094	51855	.122	(a)	52435	.044	(a)
49890	(a)	–	51356	.164	.62	51856	.067	(a)	52438	.032	(a)
49891	(a)	–	51357	.108	.66	51857	.114	(a)	52440	.05	(a)
49902	(a)	–	51358	.26	.141	51869	.038	.136	52467	.046	(a)
49903	(a)	–	51359	.228	.78	51877	.215	.212	52469	.016	.104
50010	.083	.49	51370	.167	4.57	51889	.035	.012	52505	.081	.216
50015	.054	(a)	51380	.017	.044	51896	.017	.018	52547	.074	.078
50017	.041	(a)	51400	.078	(a)	51900	.088	.095	52581	.39	2.95
50045	.094	(a)	51401	.115	(a)	51909	.073	.056	52619	.028	(a)
50047	.011	(a)	51500	.032	.119	51919	.036	(a)	52660	.095	–
51001	.019	.45	51516	.08	–	51926	.036	.038	52744	.45	.081
51005	.004	(a)	51517	.091	–	51927	.02	.131	52767	.068	(a)
51116	.047	.69	51550	.039	.39	51934	.04	.125	52876	(a)	(a)
51201	.014	(a)	51551	.014	.91	51941	.036	.041	52911	.022	.45
51205	.043	.071	51552	.023	.159	51942	.058	–	52967	.008	.062
51206	.007	.39	51553	.042	(a)	51956	.156	.221	53001	.081	.33
51210	.033	(a)	51554	.004	(a)	51957	.138	.42	53077	.039	.207
51211	(a)	(a)	51575	.049	.02	51958	.122	.41	53095	.027	(a)
51220	.113	2.28	51576	.075	.093	51959	.125	(a)	53096	.037	(a)
51221	.063	1.78	51600	.051	.191	51960	.017	.35	53121	.105	.44
51222	.076	3.67	51613	.034	.139	51970	.072	.238	53147	.011	(a)
51224	.08	1.45	51625	.017	(a)	51982	.021	.083	53229	.064	(a)
51230	.014	.79	51666	.077	.101	51985	.075	–	53271	.02	(a)
51240	.171	.185	51702	.052	(a)	51986	.083	.103	53333	.063	.239
51241	.51	.26	51703	.021	(a)	51999	.035	.44	53374	.119	.31
51250	.087	(a)	51734	.04	.31	52002	.031	.129	53375	.063	.223
51251	.015	(a)	51741	.089	.26	52075	.064	.243	53376	.101	.194
51252	.052	.10	51752	.075	.165	52076	.077	(a)	53377	.104	.195
51253	.044	(a)	51767	.023	.008	52109	.008	(a)	53403	.066	(a)
51254	.014	.039	51777	.079	.078	52134	.103	.63	53425	.059	(a)
51255	.22	(a)	51790	.131	(a)	52137	.025	(a)	53565	.076	.108
51300	.108	.16	51796	.032	(a)	52150	.19	(a)	53631	.012	.022
51305	.108	.96	51808	.115	.73	52315	.102	.26	53632	.014	.034

CLASSES 53731–59693   **COMMERCIAL LINES MANUAL**   **MICHIGAN (21)**
PREM/OPS TERR. 503   **DIVISION SIX**
PROD/COPS   **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**
53731	.013	(a)	**56170**	.058	(a)	**57401**	.026	.096	**58503**	.031	.076
53732	.088	.45	**56171**	.029	(a)	**57403**	.161	.035	**58532**	.04	(a)
53733	.057	.27	**56202**	.029	.089	**57410**	.012	.162	**58559**	.008	(a)
53734	.48	–	**56390**	.051	.64	**57411**	.015	(a)	**58560**	.019	(a)
53803	.142	(a)	**56391**	.044	.32	**57572**	.007	.108	**58561**	(a)	(a)
53901	(a)	(a)	**56427**	.071	.125	**57600**	.022	.034	**58575**	.025	.12
53902	(a)	(a)	**56488**	.131	.034	**57611**	.031	.062	**58627**	.081	.013
53903	(a)	(a)	**56567**	.061	(a)	**57625**	.19	(a)	**58663**	.134	1.28
53904	(a)	(a)	**56650**	.185	(a)	**57651**	.023	.041	**58682**	.072	(a)
53905	(a)	(a)	**56651**	.101	(a)	**57690**	.041	.49	**58713**	.05	(a)
53907	.039	.103	**56652**	.072	(a)	**57716**	.019	.082	**58737**	.052	.63
53951	(a)	(a)	**56653**	.069	(a)	**57725**	.042	.088	**58756**	.025	(a)
53952	(a)	(a)	**56654**	.035	(a)	**57726**	.033	.021	**58757**	.175	(a)
53953	(a)	(a)	**56690**	.068	.35	**57798**	.012	(a)	**58759**	.022	(a)
54012	.048	–	**56699**	.033	.057	**57800**	.044	(a)	**58802**	.025	.48
54077	.053	.40	**56758**	.028	.148	**57808**	.016	(a)	**58813**	.062	(a)
54444	(a)	(a)	**56759**	.028	.08	**57809**	.017	(a)	**58822**	.068	(a)
55010	.16	1.08	**56760**	.041	.098	**57810**	.016	.107	**58837**	.124	.162
55011	.043	1.57	**56805**	.054	(a)	**57871**	.019	.118	**58840**	.037	.127
55012	.051	1.18	**56806**	.038	(a)	**57913**	.057	.29	**58873**	.059	.03
55013	.054	1.14	**56807**	.038	(a)	**57997**	.107	–	**58903**	.016	(a)
55014	(a)	(a)	**56808**	.049	(a)	**57998**	.025	.058	**58904**	.012	.128
55214	.042	.088	**56900**	.047	(a)	**57999**	.027	.071	**58922**	.098	.168
55371	.30	.119	**56910**	.024	(a)	**58009**	.027	(a)	**59005**	.029	.096
55410	(a)	(a)	**56911**	.052	(a)	**58010**	.058	(a)	**59057**	.218	(a)
55426	.065	(a)	**56912**	.042	.09	**58020**	.173	(a)	**59058**	.141	(a)
55597	.01	1.79	**56913**	.034	(a)	**58056**	.07	(a)	**59188**	.34	.055
55647	.021	.062	**56915**	.204	(a)	**58057**	.044	(a)	**59189**	.47	.30
55648	.009	(a)	**56916**	.184	.205	**58058**	.039	(a)	**59223**	.061	.088
55649	.011	(a)	**56917**	.053	(a)	**58095**	.055	1.99	**59257**	.008	.013
55715	.083	.224	**56918**	.026	(a)	**58096**	.074	1.23	**59306**	.05	(a)
55716	.119	.52	**56919**	.065	(a)	**58301**	.02	.088	**59378**	.04	.15
55717	.086	(a)	**56920**	.059	(a)	**58302**	.02	.055	**59481**	.134	.099
55718	.083	(a)	**56980**	.041	(a)	**58397**	.115	.74	**59482**	.36	(a)
55802	.079	.009	**57001**	.014	.026	**58408**	.063	–	**59537**	.043	.21
55918	.047	2.74	**57002**	.009	.106	**58409**	.08	–	**59601**	.05	2.37
55919	.006	3.65	**57090**	.095	.66	**58456**	.043	–	**59647**	.16	.17
56040	.004	.033	**57146**	.061	.72	**58457**	.062	–	**59660**	.093	1.18
56041	.029	(a)	**57202**	.036	(a)	**58458**	.08	–	**59661**	.045	(a)
56042	.037	(a)	**57257**	.045	.035	**58459**	.096	–	**59693**	.008	–

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/COps)　(Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.23	.069	63220	(a)	–	91190	2.04	(a)
59701	.004	.29	59970	.037	.183	64074	25.00	–	91200	.64	–
59713	.083	.31	59973	.063	(a)	64075	17.60	–	91210	(a)	–
59722	.043	.031	59975	.051	.227	64500	(a)	–	91235	1.67	2.53
59723	.016	.037	59977	.029	(a)	65007	24.70	–	91250	2.51	(a)
59724	.025	.019	59984	.017	.053	66122	10.60	–	91265	13.70	2.78
59725	.031	.116	59985	.068	(a)	66123	5.83	–	91266	7.24	1.05
59726	.022	.024	59986	.052	(a)	66309	17.00	–	91280	(a)	1.97
59738	.072	.064	59988	.013	.059	66561	39.40	–	91302	11.00	(a)
59750	.032	.222	59989	.009	.044	67017	36.60	–	91315	3.35	–
59751	.011	(a)	60010	34.00	–	67508	22.00	–	91324	7.47	(a)
59773	.02	.028	60011	39.10	–	67509	16.10	–	91325	(a)	(a)
59774	.017	.15	60012	64.20	–	67510	8.99	–	91340	4.87	6.91
59775	.021	.188	60013	55.10	–	67511	9.72	–	91341	4.35	4.09
59781	.028	.068	60015	41.10	–	67512	41.60	–	91342	4.47	2.74
59782	.041	.46	60016	46.20	–	67513	26.40	–	91343	.96	1.50
59783	.04	(a)	60035	27.80	–	67634	31.70	–	91405	5.68	–
59784	.031	(a)	61000	33.60	–	67635	22.40	–	91436	4.92	2.52
59790	.055	(a)	61212	14.20	–	68001	68.40	–	91481	18.00	–
59798	.105	.50	61216	15.80	–	68439	88.00	–	91507	2.65	2.94
59806	.075	(a)	61217	14.30	–	68500	7.48	–	91523	40.80	–
59867	.062	(a)	61218	9.79	–	68604	1.64	–	91547	.232	–
59886	.008	.108	61223	69.60	–	68606	6.43	–	91551	1.44	.64
59889	.067	.165	61224	22.20	–	68607	5.08	–	91555	1.01	.78
59892	.04	(a)	61225	30.80	–	68702	4.18	–	91560	4.00	3.39
59904	.027	.061	61226	51.80	–	68703	3.14	–	91562	3.20	–
59905	.039	.132	61227	47.40	–	68706	13.40	–	91577	11.50	2.83
59914	.229	.68	62000	10.80	–	68707	13.30	–	91580	5.28	–
59915	.09	.75	62001	8.52	–	90089	4.16	–	91581	(a)	(a)
59917	.017	.205	62002	3.89	–	91111	2.15	4.49	91582	(a)	(a)
59923	.006	.004	62003	12.30	–	91125	2.51	1.88	91583	(a)	(a)
59925	.234	1.19	63010	61.20	–	91127	1.45	1.16	91584	(a)	(a)
59926	.199	.45	63011	76.50	–	91130	1.12	–	91585	(a)	(a)
59927	.134	1.42	63012	109.00	–	91135	.31	(a)	91586	(a)	(a)
59931	.103	.55	63013	103.00	–	91150	1.37	4.00	91587	(a)	(a)
59932	.111	.88	63215	40.50	–	91155	3.04	26.80	91588	(a)	(a)
59941	.035	(a)	63216	28.10	–	91160	1.01	–	91589	(a)	(a)
59947	.027	.32	63217	68.50	–	91175	.87	–	91590	3.33	–
59955	.013	.143	63218	23.10	–	91177	3.79	–	91591	(a)	(a)
59963	.098	.41	63219	(a)	–	91179	3.81	–	91606	11.00	–

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$100,000/200,000 BASIC LIMIT OCCURRENCE
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503
Products/Completed Operations (Prod/COps)   (Subline Code 336) Entire State Territory 999

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91618	(a)	(a)	95357	1.12	–	97653	3.02	2.95	98426	2.45	(a)
91629	2.24	(a)	95358	(a)	–	97654	5.26	2.76	98427	2.38	–
91636	3.84	–	95410	4.27	2.36	97655	4.20	4.00	98428	(a)	–
91641	1.04	(a)	95455	4.64	1.26	98002	.76	.65	98429	1.00	–
91666	.90	(a)	95487	2.29	(a)	98003	.94	(a)	98430	(a)	–
91722	3.36	(a)	95505	2.16	1.70	98090	.127	–	98449	3.42	19.00
91746	3.20	4.47	95620	1.86	(a)	98091	.138	–	98482	3.67	5.68
91805	.201	–	95625	5.28	3.08	98092	.42	–	98483	5.42	16.00
92053	.50	.42	95630	(a)	(a)	98111	.42	–	98502	5.19	3.19
92054	.17	.16	95647	2.01	5.34	98150	(a)	–	98555	2.41	–
92055	4.75	.191	95648	(a)	(a)	98151	(a)	–	98597	.54	–
92101	7.43	2.97	96053	1.53	4.15	98152	2.56	.61	98598	.186	–
92102	4.47	2.84	96317	1.16	–	98153	2.88	(a)	98601	6.21	(a)
92215	2.39	1.92	96408	3.70	13.70	98154	3.40	(a)	98622	(a)	–
92338	1.72	1.48	96409	3.42	9.59	98155	4.76	(a)	98623	(a)	–
92445	2.20	–	96410	3.00	7.32	98156	(a)	(a)	98624	.98	–
92446	5.65	1.68	96611	1.12	1.55	98157	3.04	.42	98636	2.05	2.68
92447	4.94	1.62	96702	4.26	(a)	98158	(a)	(a)	98640	107.00	–
92451	1.67	2.22	96703	(a)	–	98159	2.04	(a)	98658	4.92	–
92453	3.13	–	96816	3.99	–	98160	4.32	(a)	98659	.88	.35
92478	1.55	1.63	96872	4.12	(a)	98161	4.84	(a)	98677	16.90	8.44
92593	21.90	–	96930	(a)	–	98162	(a)	(a)	98678	15.00	11.10
92663	.52	–	97002	(a)	(a)	98163	5.08	.208	98698	(a)	(a)
94007	10.60	4.18	97003	(a)	(a)	98164	1.41	.062	98699	4.88	(a)
94099	2.41	–	97047	3.40	–	98257	1.42	–	98705	6.96	–
94225	8.50	–	97050	2.64	–	98303	9.56	5.45	98710	3.39	–
94276	4.43	3.28	97111	5.11	–	98304	5.28	2.69	98751	3.72	–
94304	2.13	(a)	97220	.30	(a)	98305	2.73	1.37	98805	4.43	.94
94381	4.00	8.86	97221	(a)	1.02	98306	7.02	.62	98806	1.91	3.30
94404	4.20	4.46	97222	1.11	1.64	98307	1.67	.38	98810	3.85	–
94444	(a)	(a)	97223	1.67	2.31	98308	1.10	.74	98813	3.71	1.35
94569	2.83	3.31	97308	.56	–	98309	4.80	1.27	98820	8.45	2.55
94590	12.20	–	97447	1.84	3.78	98344	.76	.68	98871	(a)	(a)
94617	3.85	–	97501	(a)	–	98405	1.25	–	98884	2.20	1.22
94638	(a)	–	97502	(a)	–	98413	13.90	(a)	98914	.60	.38
95124	1.42	.52	97503	(a)	–	98414	12.70	(a)	98949	.84	.245
95233	3.05	–	97504	(a)	–	98415	1.67	(a)	98967	3.45	8.51
95305	3.31	–	97650	3.53	2.79	98423	3.98	(a)	98993	3.92	3.17
95306	4.40	–	97651	5.44	3.20	98424	6.75	(a)	99003	1.64	1.17
95310	7.91	.88	97652	4.72	4.04	98425	2.77	(a)	99004	3.09	1.20

MICHIGAN (21)   **COMMERCIAL LINES MANUAL**   **CLASSES 99080–99988**
DIVISION SIX   **PREM/OPS TERR. 503**
GENERAL LIABILITY   **PROD/COPS**
LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.16	7.18	99826	.76	.40						
99081	(a)	–	99827	.42	.39						
99082	(a)	–	99851	1.70	–						
99083	(a)	–	99917	2.76	–						
99084	(a)	(a)	99938	3.10	–						
99085	(a)	(a)	99943	8.98	–						
99111	1.69	–	99946	6.69	1.84						
99160	(a)	–	99948	4.73	21.80						
99163	4.02	.46	99952	5.63	14.20						
99165	.88	(a)	99953	6.08	8.67						
99220	1.32	(a)	99954	4.43	7.07						
99221	(a)	(a)	99955	5.55	5.74						
99222	2.48	(a)	99963	.67	–						
99223	.248	(a)	99969	2.40	1.69						
99303	13.50	–	99975	4.92	–						
99310	3.37	(a)	99986	(a)	–						
99315	9.92	1.87	99987	(a)	–						
99321	9.63	2.25	99988	2.12	–						
99445	(a)	(a)									
99471	.60	–									
99505	3.32	–									
99506	4.08	–									
99507	3.56	–									
99570	1.91	(a)									
99571	.46	(a)									
99572	.91	(a)									
99573	.87	(a)									
99600	1.34	–									
99613	8.53	2.09									
99614	3.00	–									
99620	.46	–									
99650	.91	.96									
99709	2.23	(a)									
99718	1.36	–									
99746	2.31	2.15									
99760	.26	–									
99777	6.66	–									
99793	2.93	–									
99798	(a)	(a)									
99803	(a)	7.91									

CLASSES 10010–15063   COMMERCIAL LINES MANUAL   MICHIGAN (21)
PREM/OPS TERR. 504   DIVISION SIX
PROD/COPS   GENERAL LIABILITY
                       LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504											
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	.195	10205	.149	–	11210	1.55	–	13207	(a)	(a)
10015	6.57	–	10220	2.80	–	11211	8.04	–	13208	(a)	(a)
10020	(a)	(a)	10255	.129	.147	11212	1.22	–	13314	.071	.016
10026	.38	.017	10256	.47	.152	11213	.99	–	13351	.173	.034
10036	.35	(a)	10257	.089	.169	11214	2.44	–	13352	.176	.038
10040	.048	.30	10309	.096	.015	11222	.041	–	13410	.74	2.99
10042	.22	.35	10315	.226	(a)	11234	.167	.059	13411	(a)	(a)
10052	4.54	–	10331	8.90	–	11248	.024	.018	13412	.25	1.14
10054	4.03	–	10332	15.40	–	11258	.53	.171	13453	.29	(a)
10060	.105	.047	10352	.26	.054	11259	.57	.118	13454	.34	(a)
10065	.158	.03	10367	2.07	–	11273	8.29	–	13455	.34	(a)
10066	.161	.058	10368	3.03	–	11274	7.95	–	13461	(a)	(a)
10070	.036	.154	10375	(a)	–	11288	.65	.069	13506	.54	.062
10071	.189	.09	10378	9.01	–	12014	.053	.033	13507	.66	.16
10072	2.34	–	10379	4.18	–	12356	.70	.028	13590	.25	.74
10073	.54	.45	10380	7.14	–	12361	.045	.077	13621	.064	.32
10075	4.01	.172	10381	6.19	–	12362	.039	(a)	13670	.025	.015
10100	.44	.043	11007	.88	–	12373	.015	.024	13673	.40	.011
10101	.142	.181	11020	.18	.125	12374	.37	.048	13715	.039	.165
10105	1.54	–	11039	.47	.048	12375	.18	.034	13716	.27	.114
10107	1.65	.227	11052	2.39	–	12391	.03	.082	13720	.226	.048
10110	22.30	–	11101	(a)	(a)	12393	.238	(a)	13759	.105	.103
10111	.079	.078	11120	(a)	–	12467	.099	(a)	13930	.084	.201
10113	.214	–	11126	.037	.022	12509	.032	.036	14068	.023	.014
10115	.42	.081	11127	.20	.008	12510	.41	.024	14101	.27	.04
10117	6.52	–	11128	.27	.073	12583	.182	(a)	14279	.246	.057
10119	(a)	–	11138	2.23	–	12651	.53	.53	14401	.53	.094
10120	14.60	–	11155	.127	–	12683	.242	(a)	14405	.52	–
10130	2.10	–	11160	(a)	(a)	12707	.26	.64	14527	.161	.189
10132	1.81	–	11167	.55	–	12797	.054	.196	14655	.053	–
10133	2.30	–	11168	2.86	–	12805	.192	.125	14731	2.37	–
10135	(a)	–	11201	7.71	–	12841	.32	–	14732	.176	–
10140	.021	.021	11202	2.28	–	12927	.056	–	14733	.37	–
10141	.042	.023	11203	.47	.52	13049	.024	.057	14734	.158	–
10145	.20	.008	11204	.186	1.38	13111	.49	.093	14855	.113	.154
10146	.197	.014	11205	(a)	–	13112	.038	.063	14913	.198	.104
10150	.29	(a)	11206	.36	–	13201	.47	.16	15060	(a)	(a)
10151	7.40	–	11207	4.51	–	13204	.53	1.45	15061	(a)	(a)
10160	1.32	–	11208	.77	–	13205	.203	.46	15062	.102	(a)
10204	.133	–	11209	3.63	–	13206	(a)	(a)	15063	.118	(a)

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.069	–	16750	.062	.032	18707	.006	.004	40117	(a)	–
15119	(a)	–	16751	.062	–	18708	.068	.019	40140	(a)	–
15120	(a)	–	16819	.62	(a)	18833	.071	(a)	41001	.245	–
15123	2.30	–	16820	.48	(a)	18834	.176	.12	41210	(a)	–
15124	.80	–	16881	.97	(a)	18911	.56	.017	41421	.29	–
15188	.179	(a)	16890	.072	(a)	18912	1.05	.024	41422	.154	–
15223	.03	.041	16891	.079	(a)	18920	.27	.016	41510	28.00	–
15224	.239	.046	16892	.143	(a)	18991	(a)	–	41603	13.60	–
15300	(a)	–	16900	1.16	.068	19007	.90	–	41604	7.49	–
15314	.127	(a)	16901	.74	.082	19051	1.99	–	41620	.65	–
15404	.046	(a)	16902	.63	.057	19061	(a)	–	41650	19.20	–
15405	.068	(a)	16905	1.22	.068	19795	.183	(a)	41664	31.00	–
15406	.174	.048	16906	.78	.082	19796	.214	–	41665	3.63	–
15488	.43	(a)	16910	.69	.055	40005	(a)	–	41666	(a)	–
15538	.226	.012	16911	.63	.038	40006	(a)	–	41667	84.70	–
15600	.57	.079	16915	.71	.046	40010	(a)	–	41668	79.40	–
15607	.091	–	16916	.59	.037	40015	(a)	–	41669	.56	–
15608	.127	.01	16920	1.58	.112	40020	(a)	–	41670	.93	–
15656	3.75	–	16921	1.44	.044	40026	(a)	–	41672	(a)	–
15699	.224	–	16930	.91	.129	40031	(a)	–	41673	(a)	–
15733	.113	.037	16931	.98	.053	40032	(a)	–	41675	(a)	–
15839	.17	.022	16940	1.97	.044	40040	(a)	–	41677	.133	–
15991	.139	.075	16941	.79	.064	40041	(a)	–	41678	37.60	–
15993	.118	.044	18078	.071	.13	40042	(a)	–	41679	(a)	(a)
16005	.021	.034	18109	.232	.03	40045	205.00	–	41680	9.99	–
16009	.139	.094	18110	.186	.027	40046	40.40	–	41696	.42	–
16402	.84	–	18200	(a)	–	40047	14.40	–	41697	.29	–
16403	.53	.13	18205	.11	.35	40059	5.16	–	41700	(a)	–
16404	.67	–	18206	.30	.098	40061	2.74	–	41715	6.34	–
16471	.128	–	18335	.217	.017	40063	91.60	–	41716	4.03	–
16501	.044	(a)	18435	.47	.051	40064	26.90	–	43007	(a)	–
16527	.068	.35	18436	.38	.093	40066	(a)	–	43117	(a)	–
16588	.064	(a)	18437	.31	(a)	40067	(a)	–	43151	8.06	–
16604	.108	.146	18438	.59	(a)	40069	(a)	–	43152	11.30	–
16670	3.69	–	18501	.43	.01	40072	(a)	–	43200	30.70	–
16676	.176	.013	18506	.227	.006	40075	16.20	–	43215	(a)	–
16694	.214	(a)	18507	.111	.008	40101	11.90	–	43421	8.41	–
16705	.126	.148	18570	1.16	–	40102	10.50	–	43422	44.10	–
16722	(a)	–	18575	(a)	(a)	40111	7.26	–	43424	(a)	–
16723	(a)	–	18616	.173	.59	40115	(a)	–	43470	2.45	–

CLASSES 43517–49618   **COMMERCIAL LINES MANUAL**   **MICHIGAN (21)**
PREM/OPS TERR. 504   **DIVISION SIX**
PROD/COPS   **GENERAL LIABILITY**
LOSS COST PAGES

| **$100,000/200,000 BASIC LIMIT OCCURRENCE**
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504
Products/Completed Operations (Prod/COps)   (Subline Code 336) Entire State Territory 999 ||||||||||||
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43517	(a)	–	44277	26.70	–	46004	18.30	–	47471	2.50	–
43518	13.30	–	44280	.133	–	46005	14.60	–	47473	3.27	–
43550	30.00	–	44311	6.86	–	46112	.047	–	47474	3.65	–
43551	16.60	–	44315	4.61	–	46202	2.28	–	47475	2.88	–
43626	10.60	–	44427	43.10	–	46362	131.00	–	47476	2.88	–
43628	138.00	–	44428	43.40	–	46426	19.20	–	47477	3.84	–
43629	117.00	–	44429	.65	–	46427	25.60	–	47478	4.03	–
43754	(a)	–	44430	.45	–	46510	(a)	–	47600	(a)	–
43760	3.90	–	44431	1.44	–	46590	(a)	–	47610	(a)	–
43822	1.95	–	44432	.46	–	46603	1.61	–	48039	21.80	–
43840	.024	–	44433	14.60	–	46604	1.86	–	48177	(a)	–
43860	1.54	–	44434	27.90	–	46606	4.95	–	48178	(a)	–
43889	.55	–	44435	28.90	–	46607	6.80	–	48206	28.10	–
43945	(a)	–	44436	33.70	–	46622	5.70	–	48252	(a)	–
43946	(a)	–	44437	27.90	–	46671	(a)	–	48441	.118	–
43990	(a)	(a)	44438	22.10	–	46700	61.70	–	48557	11.80	–
43991	(a)	–	44439	43.00	–	46773	(a)	–	48558	10.30	–
44009	2.80	–	44440	35.60	–	46822	(a)	–	48600	38.30	–
44010	(a)	(a)	44500	(a)	–	46881	(a)	–	48610	(a)	–
44069	11.40	–	44501	(a)	–	46882	(a)	–	48636	1.04	(a)
44070	3.36	–	45190	1.79	–	46911	21.00	–	48637	9.01	–
44071	3.74	–	45191	1.27	–	46912	38.50	–	48638	4.47	–
44072	2.58	–	45192	1.49	–	46913	(a)	–	48727	(a)	–
44100	3.81	–	45193	.88	–	46914	(a)	–	48808	.96	–
44101	3.96	–	45210	1.11	–	46915	(a)	–	48924	(a)	–
44102	3.09	–	45224	(a)	–	46916	(a)	–	48925	216.00	–
44103	2.74	–	45225	(a)	–	47050	.53	–	49005	.091	–
44104	1.15	–	45334	17.70	–	47051	(a)	–	49111	1.47	–
44105	(a)	–	45380	.133	(a)	47052	(a)	–	49181	7.11	–
44106	(a)	–	45450	5.20	–	47103	(a)	–	49183	8.67	–
44108	1.35	–	45523	(a)	–	47146	(a)	–	49184	18.30	–
44109	3.41	–	45524	(a)	–	47147	(a)	–	49185	16.60	–
44110	3.49	–	45539	(a)	–	47221	67.70	–	49239	.099	.60
44111	2.14	–	45678	.144	–	47253	(a)	–	49292	.52	–
44112	1.27	–	45771	.202	.164	47254	(a)	–	49305	(a)	–
44113	(a)	–	45819	.066	.051	47318	8.64	–	49333	3.81	–
44193	(a)	–	45900	.065	.034	47367	.133	–	49451	(a)	–
44194	(a)	–	45901	.056	.049	47420	1.89	–	49452	(a)	–
44222	(a)	–	45937	.069	–	47468	(a)	–	49617	.189	.144
44276	41.20	–	45993	(a)	(a)	47469	2.88	–	49618	.159	.047

$100,000/200,000 BASIC LIMIT OCCURRENCE
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504
Products/Completed Operations (Prod/COps)   (Subline Code 336) Entire State Territory 999

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.30	.098	51315	.064	.106	51809	.129	.153	52341	.03	(a)
49763	1.94	–	51330	.063	.53	51833	.058	.06	52342	.086	(a)
49800	(a)	–	51333	.021	.34	51850	.153	(a)	52343	.052	(a)
49801	59.60	–	51340	.013	(a)	51851	.104	(a)	52401	.162	(a)
49802	5.29	–	51350	.089	.135	51852	.243	(a)	52402	.007	(a)
49803	9.36	–	51351	.08	.042	51853	.098	(a)	52432	.035	(a)
49840	.55	–	51352	.11	.108	51854	.22	(a)	52433	.032	1.02
49870	90.20	–	51355	.075	.094	51855	.231	(a)	52435	.04	(a)
49890	(a)	–	51356	.081	.62	51856	.127	(a)	52438	.029	(a)
49891	(a)	–	51357	.091	.66	51857	.217	(a)	52440	.045	(a)
49902	(a)	–	51358	.22	.141	51869	.034	.136	52467	.042	(a)
49903	(a)	–	51359	.193	.78	51877	.193	.212	52469	.015	.104
50010	.075	.49	51370	.15	4.57	51889	.032	.012	52505	.073	.216
50015	.049	(a)	51380	.015	.044	51896	.015	.018	52547	.141	.078
50017	.037	(a)	51400	.148	(a)	51900	.043	.095	52581	.35	2.95
50045	.085	(a)	51401	.219	(a)	51909	.139	.056	52619	.025	(a)
50047	.01	(a)	51500	.028	.119	51919	.032	(a)	52660	.047	–
51001	.036	.45	51516	.04	–	51926	.033	.038	52744	.221	.081
51005	.007	(a)	51517	.045	–	51927	.018	.131	52767	.129	(a)
51116	.09	.69	51550	.035	.39	51934	.036	.125	52876	(a)	(a)
51201	.013	(a)	51551	.012	.91	51941	.033	.041	52911	.02	.45
51205	.039	.071	51552	.021	.159	51942	.052	–	52967	.007	.062
51206	.006	.39	51553	.038	(a)	51956	.14	.221	53001	.073	.33
51210	.062	(a)	51554	.004	(a)	51957	.124	.42	53077	.035	.207
51211	(a)	(a)	51575	.024	.02	51958	.11	.41	53095	.024	(a)
51220	.214	2.28	51576	.067	.093	51959	.113	(a)	53096	.033	(a)
51221	.119	1.78	51600	.046	.191	51960	.015	.35	53121	.095	.44
51222	.145	3.67	51613	.03	.139	51970	.065	.238	53147	.022	(a)
51224	.151	1.45	51625	.033	(a)	51982	.019	.083	53229	.122	(a)
51230	.026	.79	51666	.038	.101	51985	.037	–	53271	.018	(a)
51240	.154	.185	51702	.098	(a)	51986	.075	.103	53333	.12	.239
51241	.46	.26	51703	.041	(a)	51999	.032	.44	53374	.058	.31
51250	.164	(a)	51734	.076	.31	52002	.028	.129	53375	.031	.223
51251	.013	(a)	51741	.08	.26	52075	.121	.243	53376	.05	.194
51252	.046	.10	51752	.067	.165	52076	.145	(a)	53377	.051	.195
51253	.04	(a)	51767	.011	.008	52109	.007	(a)	53403	.032	(a)
51254	.012	.039	51777	.039	.078	52134	.093	.63	53425	.113	(a)
51255	.42	(a)	51790	.064	(a)	52137	.048	(a)	53565	.037	.108
51300	.053	.16	51796	.029	(a)	52150	.17	(a)	53631	.011	.022
51305	.053	.96	51808	.104	.73	52315	.05	.26	53632	.013	.034

CLASSES 53731–59693
PREM/OPS TERR. 504
PROD/COPS

COMMERCIAL LINES MANUAL
DIVISION SIX
GENERAL LIABILITY
LOSS COST PAGES

MICHIGAN (21)

$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
53731	.012	(a)	56170	.111	(a)	57401	.023	.096	58503	.028	.076
53732	.079	.45	56171	.054	(a)	57403	.079	.035	58532	.036	(a)
53733	.051	.27	56202	.026	.089	57410	.011	.162	58559	.007	(a)
53734	.24	–	56390	.046	.64	57411	.028	(a)	58560	.018	(a)
53803	.27	(a)	56391	.04	.32	57572	.007	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.064	.125	57600	.019	.034	58575	.023	.12
53902	(a)	(a)	56488	.064	.034	57611	.059	.062	58627	.073	.013
53903	(a)	(a)	56567	.115	(a)	57625	.171	(a)	58663	.25	1.28
53904	(a)	(a)	56650	.35	(a)	57651	.021	.041	58682	.065	(a)
53905	(a)	(a)	56651	.191	(a)	57690	.077	.49	58713	.025	(a)
53907	.035	.103	56652	.137	(a)	57716	.037	.082	58737	.047	.63
53951	(a)	(a)	56653	.132	(a)	57725	.08	.088	58756	.048	(a)
53952	(a)	(a)	56654	.067	(a)	57726	.062	.021	58757	.158	(a)
53953	(a)	(a)	56690	.033	.35	57798	.011	(a)	58759	.019	(a)
54012	.024	–	56699	.029	.057	57800	.039	(a)	58802	.022	.48
54077	.048	.40	56758	.025	.148	57808	.031	(a)	58813	.117	(a)
54444	(a)	(a)	56759	.026	.08	57809	.032	(a)	58822	.061	(a)
55010	.144	1.08	56760	.037	.098	57810	.031	.107	58837	.235	.162
55011	.039	1.57	56805	.048	(a)	57871	.037	.118	58840	.07	.127
55012	.046	1.18	56806	.034	(a)	57913	.051	.29	58873	.112	.03
55013	.102	1.14	56807	.034	(a)	57997	.053	–	58903	.014	(a)
55014	(a)	(a)	56808	.044	(a)	57998	.023	.058	58904	.011	.128
55214	.037	.088	56900	.043	(a)	57999	.05	.071	58922	.186	.168
55371	.149	.119	56910	.021	(a)	58009	.05	(a)	59005	.026	.096
55410	(a)	(a)	56911	.099	(a)	58010	.052	(a)	59057	.196	(a)
55426	.124	(a)	56912	.08	.09	58020	.085	(a)	59058	.127	(a)
55597	.009	1.79	56913	.065	(a)	58056	.063	(a)	59188	.168	.055
55647	.019	.062	56915	.39	(a)	58057	.039	(a)	59189	.231	.30
55648	.008	(a)	56916	.35	.205	58058	.035	(a)	59223	.116	.088
55649	.01	(a)	56917	.101	(a)	58095	.05	1.99	59257	.007	.013
55715	.074	.224	56918	.048	(a)	58096	.066	1.23	59306	.045	(a)
55716	.107	.52	56919	.124	(a)	58301	.039	.088	59378	.075	.15
55717	.163	(a)	56920	.113	(a)	58302	.018	.055	59481	.12	.099
55718	.158	(a)	56980	.037	(a)	58397	.104	.74	59482	.175	(a)
55802	.039	.009	57001	.013	.026	58408	.031	–	59537	.081	.21
55918	.043	2.74	57002	.008	.106	58409	.04	–	59601	.045	2.37
55919	.006	3.65	57090	.181	.66	58456	.021	–	59647	.078	.17
56040	.004	.033	57146	.115	.72	58457	.031	–	59660	.083	1.18
56041	.026	(a)	57202	.033	(a)	58458	.04	–	59661	.041	(a)
56042	.033	(a)	57257	.041	.035	58459	.048	–	59693	.007	–

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.207	.069	63220	(a)	–	91190	2.04	(a)
59701	.003	.29	59970	.069	.183	64074	12.70	–	91200	.64	–
59713	.075	.31	59973	.057	(a)	64075	8.91	–	91210	(a)	–
59722	.039	.031	59975	.097	.227	64500	(a)	–	91235	1.67	2.53
59723	.015	.037	59977	.055	(a)	65007	20.40	–	91250	2.51	(a)
59724	.022	.019	59984	.016	.053	66122	8.78	–	91265	13.70	2.78
59725	.028	.116	59985	.061	(a)	66123	4.82	–	91266	7.24	1.05
59726	.02	.024	59986	.047	(a)	66309	14.10	–	91280	(a)	1.97
59738	.065	.064	59988	.025	.059	66561	32.70	–	91302	11.00	(a)
59750	.06	.222	59989	.008	.044	67017	30.30	–	91315	3.35	–
59751	.022	(a)	60010	23.70	–	67508	23.10	–	91324	7.47	(a)
59773	.01	.028	60011	27.30	–	67509	16.90	–	91325	(a)	(a)
59774	.008	.15	60012	44.80	–	67510	9.41	–	91340	4.87	6.91
59775	.011	.188	60013	38.40	–	67511	10.20	–	91341	4.35	4.09
59781	.052	.068	60015	28.70	–	67512	43.60	–	91342	4.47	2.74
59782	.078	.46	60016	32.20	–	67513	27.70	–	91343	.96	1.50
59783	.076	(a)	60035	23.00	–	67634	26.20	–	91405	5.68	–
59784	.058	(a)	61000	23.50	–	67635	18.60	–	91436	4.92	2.52
59790	.05	(a)	61212	11.80	–	68001	56.70	–	91481	18.00	–
59798	.199	.50	61216	13.00	–	68439	72.90	–	91507	2.65	2.94
59806	.143	(a)	61217	11.90	–	68500	5.22	–	91523	40.80	–
59867	.056	(a)	61218	8.11	–	68604	1.36	–	91547	.232	–
59886	.008	.108	61223	57.60	–	68606	5.32	–	91551	1.44	.64
59889	.033	.165	61224	18.40	–	68607	4.21	–	91555	1.01	.78
59892	.076	(a)	61225	25.50	–	68702	3.46	–	91560	4.00	3.39
59904	.051	.061	61226	42.80	–	68703	2.60	–	91562	3.20	–
59905	.035	.132	61227	39.20	–	68706	11.10	–	91577	11.50	2.83
59914	.206	.68	62000	8.93	–	68707	11.00	–	91580	5.28	–
59915	.171	.75	62001	7.05	–	90089	4.16	–	91581	(a)	(a)
59917	.032	.205	62002	3.22	–	91111	2.15	4.49	91582	(a)	(a)
59923	.005	.004	62003	10.10	–	91125	2.51	1.88	91583	(a)	(a)
59925	.198	1.19	63010	42.70	–	91127	1.45	1.16	91584	(a)	(a)
59926	.169	.45	63011	53.30	–	91130	1.12	–	91585	(a)	(a)
59927	.113	1.42	63012	75.90	–	91135	.31	(a)	91586	(a)	(a)
59931	.093	.55	63013	71.80	–	91150	1.37	4.00	91587	(a)	(a)
59932	.10	.88	63215	33.50	–	91155	3.04	26.80	91588	(a)	(a)
59941	.031	(a)	63216	23.30	–	91160	1.01	–	91589	(a)	(a)
59947	.051	.32	63217	41.10	–	91175	.87	–	91590	3.33	–
59955	.012	.143	63218	13.80	–	91177	3.79	–	91591	(a)	(a)
59963	.088	.41	63219	(a)	–	91179	3.81	–	91606	11.00	–

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91618	(a)	(a)	95357	1.12	–	97653	3.02	2.95	98426	2.45	(a)
91629	2.24	(a)	95358	(a)	–	97654	5.26	2.76	98427	2.38	–
91636	3.84	–	95410	4.27	2.36	97655	4.20	4.00	98428	(a)	–
91641	1.04	(a)	95455	4.64	1.26	98002	.76	.65	98429	1.00	–
91666	.90	(a)	95487	2.29	(a)	98003	.94	(a)	98430	(a)	–
91722	3.36	(a)	95505	2.16	1.70	98090	.127	–	98449	3.42	19.00
91746	3.20	4.47	95620	1.86	(a)	98091	.138	–	98482	3.67	5.68
91805	.201	–	95625	5.28	3.08	98092	.42	–	98483	5.42	16.00
92053	.50	.42	95630	(a)	(a)	98111	.42	–	98502	5.19	3.19
92054	.17	.16	95647	2.01	5.34	98150	(a)	–	98555	2.41	–
92055	4.75	.191	95648	(a)	(a)	98151	(a)	–	98597	.54	–
92101	7.43	2.97	96053	1.53	4.15	98152	2.56	.61	98598	.186	–
92102	4.47	2.84	96317	1.16	–	98153	2.88	(a)	98601	6.21	(a)
92215	2.39	1.92	96408	3.70	13.70	98154	3.40	(a)	98622	(a)	–
92338	1.72	1.48	96409	3.42	9.59	98155	4.76	(a)	98623	(a)	–
92445	2.20	–	96410	3.00	7.32	98156	(a)	(a)	98624	.98	–
92446	5.65	1.68	96611	1.12	1.55	98157	3.04	.42	98636	2.05	2.68
92447	4.94	1.62	96702	4.26	(a)	98158	(a)	(a)	98640	107.00	–
92451	1.67	2.22	96703	(a)	–	98159	2.04	(a)	98658	4.92	–
92453	3.13	–	96816	3.99	–	98160	4.32	(a)	98659	.88	.35
92478	1.55	1.63	96872	4.12	(a)	98161	4.84	(a)	98677	16.90	8.44
92593	21.90	–	96930	(a)	–	98162	(a)	(a)	98678	15.00	11.10
92663	.52	–	97002	(a)	(a)	98163	5.08	.208	98698	(a)	(a)
94007	10.60	4.18	97003	(a)	(a)	98164	1.41	.062	98699	4.88	(a)
94099	2.41	–	97047	3.40	–	98257	1.42	–	98705	6.96	–
94225	8.50	–	97050	2.64	–	98303	9.56	5.45	98710	3.39	–
94276	4.43	3.28	97111	5.11	–	98304	5.28	2.69	98751	3.72	–
94304	2.13	(a)	97220	.30	(a)	98305	2.73	1.37	98805	4.43	.94
94381	4.00	8.86	97221	(a)	1.02	98306	7.02	.62	98806	1.91	3.30
94404	4.20	4.46	97222	1.11	1.64	98307	1.67	.38	98810	3.85	–
94444	(a)	(a)	97223	1.67	2.31	98308	1.10	.74	98813	3.71	1.35
94569	2.83	3.31	97308	.56	–	98309	4.80	1.27	98820	8.45	2.55
94590	12.20	–	97447	1.84	3.78	98344	.76	.68	98871	(a)	(a)
94617	3.85	–	97501	(a)	–	98405	1.25	–	98884	2.20	1.22
94638	(a)	–	97502	(a)	–	98413	13.90	(a)	98914	.60	.38
95124	1.42	.52	97503	(a)	–	98414	12.70	(a)	98949	.84	.245
95233	3.05	–	97504	(a)	–	98415	1.67	(a)	98967	3.45	8.51
95305	3.31	–	97650	3.53	2.79	98423	3.98	(a)	98993	3.92	3.17
95306	4.40	–	97651	5.44	3.20	98424	6.75	(a)	99003	1.64	1.17
95310	7.91	.88	97652	4.72	4.04	98425	2.77	(a)	99004	3.09	1.20

Table title: **$100,000/200,000 BASIC LIMIT OCCURRENCE** — Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504 — Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999

	$100,000/200,000 BASIC LIMIT OCCURRENCE										
	Premises/Operations (Prem/Ops) (Subline Code 334) Territory 504										
	Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999										
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	1.16	7.18	99826	.76	.40						
99081	(a)	–	99827	.42	.39						
99082	(a)	–	99851	1.70	–						
99083	(a)	–	99917	2.76	–						
99084	(a)	(a)	99938	3.10	–						
99085	(a)	(a)	99943	8.98	–						
99111	1.69	–	99946	6.69	1.84						
99160	(a)	–	99948	4.73	21.80						
99163	4.02	.46	99952	5.63	14.20						
99165	.88	(a)	99953	6.08	8.67						
99220	1.32	(a)	99954	4.43	7.07						
99221	(a)	(a)	99955	5.55	5.74						
99222	2.48	(a)	99963	.67	–						
99223	.248	(a)	99969	2.40	1.69						
99303	13.50	–	99975	4.92	–						
99310	3.37	(a)	99986	(a)	–						
99315	9.92	1.87	99987	(a)	–						
99321	9.63	2.25	99988	2.12	–						
99445	(a)	(a)									
99471	.60	–									
99505	3.32	–									
99506	4.08	–									
99507	3.56	–									
99570	1.91	(a)									
99571	.46	(a)									
99572	.91	(a)									
99573	.87	(a)									
99600	1.34	–									
99613	8.53	2.09									
99614	3.00	–									
99620	.46	–									
99650	.91	.96									
99709	2.23	(a)									
99718	1.36	–									
99746	2.31	2.15									
99760	.26	–									
99777	6.66	–									
99793	2.93	–									
99798	(a)	(a)									
99803	(a)	7.91									

$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 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	.09	.195	10205	.158	–	11210	2.09	–	13207	(a)	(a)
10015	4.44	–	10220	2.97	–	11211	10.90	–	13208	(a)	(a)
10020	(a)	(a)	10255	.111	.147	11212	1.64	–	13314	.076	.016
10026	.41	.017	10256	.41	.152	11213	1.34	–	13351	.184	.034
10036	.30	(a)	10257	.077	.169	11214	3.30	–	13352	.187	.038
10040	.068	.30	10309	.102	.015	11222	.055	–	13410	.64	2.99
10042	.233	.35	10315	.24	(a)	11234	.177	.059	13411	(a)	(a)
10052	3.07	–	10331	6.03	–	11248	.021	.018	13412	.216	1.14
10054	2.73	–	10332	10.40	–	11258	.47	.171	13453	.25	(a)
10060	.112	.047	10352	.225	.054	11259	.50	.118	13454	.29	(a)
10065	.168	.03	10367	2.79	–	11273	8.79	–	13455	.30	(a)
10066	.171	.058	10368	4.08	–	11274	8.44	–	13461	(a)	(a)
10070	.051	.154	10375	(a)	–	11288	.57	.069	13506	.58	.062
10071	.20	.09	10378	6.10	–	12014	.046	.033	13507	.70	.16
10072	3.16	–	10379	2.83	–	12356	.75	.028	13590	.221	.74
10073	.47	.45	10380	4.84	–	12361	.038	.077	13621	.056	.32
10075	3.47	.172	10381	4.19	–	12362	.056	(a)	13670	.021	.015
10100	.39	.043	11007	1.19	–	12373	.021	.024	13673	.35	.011
10101	.151	.181	11020	.191	.125	12374	.39	.048	13715	.056	.165
10105	1.64	–	11039	.41	.048	12375	.191	.034	13716	.29	.114
10107	1.43	.227	11052	1.77	–	12391	.042	.082	13720	.199	.048
10110	15.10	–	11101	(a)	(a)	12393	.25	(a)	13759	.112	.103
10111	.112	.078	11120	(a)	–	12467	.105	(a)	13930	.12	.201
10113	.227	–	11126	.039	.022	12509	.028	.036	14068	.025	.014
10115	.45	.081	11127	.29	.008	12510	.35	.024	14101	.29	.04
10117	4.41	–	11128	.39	.073	12583	.157	(a)	14279	.213	.057
10119	(a)	–	11138	1.51	–	12651	.46	.53	14401	.47	.094
10120	9.90	–	11155	.135	–	12683	.209	(a)	14405	.70	–
10130	2.23	–	11160	(a)	(a)	12707	.37	.64	14527	.229	.189
10132	1.92	–	11167	.41	–	12797	.078	.196	14655	.056	–
10133	1.70	–	11168	2.11	–	12805	.204	.125	14731	1.75	–
10135	(a)	–	11201	10.40	–	12841	.34	–	14732	.13	–
10140	.017	.021	11202	3.07	–	12927	.059	–	14733	.39	–
10141	.035	.023	11203	.66	.52	13049	.02	.057	14734	.168	–
10145	.168	.008	11204	.197	1.38	13111	.43	.093	14855	.098	.154
10146	.173	.014	11205	(a)	–	13112	.032	.063	14913	.21	.104
10150	.31	(a)	11206	.48	–	13201	.40	.16	15060	(a)	(a)
10151	7.86	–	11207	6.09	–	13204	.46	1.45	15061	(a)	(a)
10160	1.40	–	11208	1.04	–	13205	.176	.46	15062	.088	(a)
10204	.141	–	11209	4.90	–	13206	(a)	(a)	15063	.103	(a)

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505											
Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
15070	.094	–	16750	.066	.032	18707	.008	.004	40117	(a)	–
15119	(a)	–	16751	.066	–	18708	.072	.019	40140	(a)	–
15120	(a)	–	16819	.53	(a)	18833	.101	(a)	41001	.166	–
15123	1.69	–	16820	.41	(a)	18834	.187	.12	41210	(a)	–
15124	.59	–	16881	1.03	(a)	18911	.59	.017	41421	.194	–
15188	.155	(a)	16890	.062	(a)	18912	1.11	.024	41422	.103	–
15223	.025	.041	16891	.068	(a)	18920	.29	.016	41510	29.70	–
15224	.21	.046	16892	.124	(a)	18991	(a)	–	41603	9.18	–
15300	(a)	–	16900	1.76	.068	19007	.66	–	41604	5.04	–
15314	.135	(a)	16901	1.13	.082	19051	1.47	–	41620	.87	–
15404	.04	(a)	16902	.96	.057	19061	(a)	–	41650	12.90	–
15405	.059	(a)	16905	1.85	.068	19795	.194	(a)	41664	21.00	–
15406	.15	.048	16906	1.18	.082	19796	.227	–	41665	2.46	–
15488	.38	(a)	16910	1.06	.055	40005	(a)	–	41666	(a)	–
15538	.24	.012	16911	.96	.038	40006	(a)	–	41667	57.30	–
15600	.60	.079	16915	1.08	.046	40010	(a)	–	41668	53.70	–
15607	.122	–	16916	.90	.037	40015	(a)	–	41669	.38	–
15608	.135	.01	16920	2.40	.112	40020	(a)	–	41670	.63	–
15656	3.98	–	16921	2.20	.044	40026	(a)	–	41672	(a)	–
15699	.30	–	16930	1.38	.129	40031	(a)	–	41673	(a)	–
15733	.098	.037	16931	1.49	.053	40032	(a)	–	41675	(a)	–
15839	.181	.022	16940	3.00	.044	40040	(a)	–	41677	.18	–
15991	.148	.075	16941	1.20	.064	40041	(a)	–	41678	26.90	–
15993	.125	.044	18078	.102	.13	40042	(a)	–	41679	(a)	(a)
16005	.03	.034	18109	.246	.03	40045	139.00	–	41680	6.72	–
16009	.12	.094	18110	.197	.027	40046	27.40	–	41696	.57	–
16402	.89	–	18200	(a)	–	40047	9.76	–	41697	.40	–
16403	.57	.13	18205	.157	.35	40059	3.50	–	41700	(a)	–
16404	.71	–	18206	.32	.098	40061	1.85	–	41715	4.27	–
16471	.173	–	18335	.23	.017	40063	62.00	–	41716	2.71	–
16501	.063	(a)	18435	.41	.051	40064	18.20	–	43007	(a)	–
16527	.097	.35	18436	.33	.093	40066	(a)	–	43117	(a)	–
16588	.056	(a)	18437	.33	(a)	40067	(a)	–	43151	10.50	–
16604	.094	.146	18438	.63	(a)	40069	(a)	–	43152	8.04	–
16670	2.50	–	18501	.38	.01	40072	(a)	–	43200	40.10	–
16676	.187	.013	18506	.196	.006	40075	21.20	–	43215	(a)	–
16694	.185	(a)	18507	.118	.008	40101	9.74	–	43421	11.00	–
16705	.18	.148	18570	1.24	–	40102	8.61	–	43422	57.70	–
16722	(a)	–	18575	(a)	(a)	40111	4.91	–	43424	(a)	–
16723	(a)	–	18616	.149	.59	40115	(a)	–	43470	3.31	–

$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops
43517	(a)	–	44277	34.90	–	46004	12.30	–	47471	1.68	–
43518	9.00	–	44280	.18	–	46005	9.82	–	47473	2.20	–
43550	39.20	–	44311	4.64	–	46112	.038	–	47474	2.46	–
43551	21.80	–	44315	3.12	–	46202	1.99	–	47475	1.94	–
43626	7.19	–	44427	35.20	–	46362	93.80	–	47476	1.94	–
43628	93.40	–	44428	35.40	–	46426	13.70	–	47477	2.59	–
43629	79.10	–	44429	.53	–	46427	18.30	–	47478	2.71	–
43754	(a)	–	44430	.37	–	46510	(a)	–	47600	(a)	–
43760	2.64	–	44431	1.18	–	46590	(a)	–	47610	(a)	–
43822	2.64	–	44432	.37	–	46603	1.15	–	48039	28.50	–
43840	.032	–	44433	11.90	–	46604	1.33	–	48177	(a)	–
43860	2.07	–	44434	22.80	–	46606	3.53	–	48178	(a)	–
43889	.74	–	44435	23.60	–	46607	4.86	–	48206	19.00	–
43945	(a)	–	44436	27.50	–	46622	7.70	–	48252	(a)	–
43946	(a)	–	44437	22.80	–	46671	(a)	–	48441	.08	–
43990	(a)	(a)	44438	18.00	–	46700	80.70	–	48557	7.99	–
43991	(a)	–	44439	35.10	–	46773	(a)	–	48558	6.95	–
44009	2.06	–	44440	29.10	–	46822	(a)	–	48600	27.40	–
44010	(a)	(a)	44500	(a)	–	46881	(a)	–	48610	(a)	–
44069	7.68	–	44501	(a)	–	46882	(a)	–	48636	.85	(a)
44070	2.28	–	45190	1.57	–	46911	14.20	–	48637	6.10	–
44071	2.53	–	45191	1.11	–	46912	26.10	–	48638	3.03	–
44072	1.75	–	45192	1.30	–	46913	(a)	–	48727	(a)	–
44100	1.43	–	45193	.77	–	46914	(a)	–	48808	1.02	–
44101	1.49	–	45210	.97	–	46915	(a)	–	48924	(a)	–
44102	1.16	–	45224	(a)	–	46916	(a)	–	48925	146.00	–
44103	1.03	–	45225	(a)	–	47050	.72	–	49005	.122	–
44104	.43	–	45334	23.10	–	47051	(a)	–	49111	1.56	–
44105	(a)	–	45380	.115	(a)	47052	(a)	–	49181	9.30	–
44106	(a)	–	45450	6.80	–	47103	(a)	–	49183	11.30	–
44108	.51	–	45523	(a)	–	47146	(a)	–	49184	23.90	–
44109	1.28	–	45524	(a)	–	47147	(a)	–	49185	21.80	–
44110	1.31	–	45539	(a)	–	47221	88.60	–	49239	.086	.60
44111	.81	–	45678	.194	–	47253	(a)	–	49292	.68	–
44112	.48	–	45771	.175	.164	47254	(a)	–	49305	(a)	–
44113	(a)	–	45819	.057	.051	47318	5.85	–	49333	4.99	–
44193	(a)	–	45900	.069	.034	47367	.18	–	49451	(a)	–
44194	(a)	–	45901	.059	.049	47420	1.28	–	49452	(a)	–
44222	(a)	–	45937	.091	–	47468	(a)	–	49617	.139	.144
44276	53.90	–	45993	(a)	(a)	47469	1.94	–	49618	.117	.047

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.22	.098	51315	.056	.106	51809	.153	.153	52341	.024	(a)
49763	1.43	–	51330	.052	.53	51833	.096	.06	52342	.071	(a)
49800	(a)	–	51333	.017	.34	51850	.126	(a)	52343	.043	(a)
49801	78.00	–	51340	.015	(a)	51851	.085	(a)	52401	.133	(a)
49802	6.92	–	51350	.149	.135	51852	.20	(a)	52402	.008	(a)
49803	12.20	–	51351	.133	.042	51853	.08	(a)	52432	.041	(a)
49840	.74	–	51352	.183	.108	51854	.18	(a)	52433	.038	1.02
49870	61.00	–	51355	.125	.094	51855	.189	(a)	52435	.047	(a)
49890	(a)	–	51356	.134	.62	51856	.104	(a)	52438	.034	(a)
49891	(a)	–	51357	.079	.66	51857	.178	(a)	52440	.054	(a)
49902	(a)	–	51358	.191	.141	51869	.041	.136	52467	.049	(a)
49903	(a)	–	51359	.167	.78	51877	.23	.212	52469	.017	.104
50010	.089	.49	51370	.178	4.57	51889	.038	.012	52505	.086	.216
50015	.058	(a)	51380	.018	.044	51896	.018	.018	52547	.115	.078
50017	.044	(a)	51400	.122	(a)	51900	.072	.095	52581	.42	2.95
50045	.101	(a)	51401	.179	(a)	51909	.114	.056	52619	.03	(a)
50047	.011	(a)	51500	.034	.119	51919	.038	(a)	52660	.064	–
51001	.029	.45	51516	.054	–	51926	.039	.038	52744	.37	.081
51005	.006	(a)	51517	.061	–	51927	.021	.131	52767	.105	(a)
51116	.074	.69	51550	.042	.39	51934	.043	.125	52876	(a)	(a)
51201	.015	(a)	51551	.014	.91	51941	.039	.041	52911	.024	.45
51205	.046	.071	51552	.025	.159	51942	.062	–	52967	.009	.062
51206	.007	.39	51553	.045	(a)	51956	.167	.221	53001	.086	.33
51210	.051	(a)	51554	.004	(a)	51957	.147	.42	53077	.042	.207
51211	(a)	(a)	51575	.04	.02	51958	.131	.41	53095	.028	(a)
51220	.175	2.28	51576	.08	.093	51959	.134	(a)	53096	.04	(a)
51221	.097	1.78	51600	.055	.191	51960	.018	.35	53121	.113	.44
51222	.118	3.67	51613	.036	.139	51970	.077	.238	53147	.018	(a)
51224	.124	1.45	51625	.027	(a)	51982	.023	.083	53229	.10	(a)
51230	.021	.79	51666	.063	.101	51985	.05	–	53271	.021	(a)
51240	.183	.185	51702	.08	(a)	51986	.089	.103	53333	.098	.239
51241	.54	.26	51703	.033	(a)	51999	.037	.44	53374	.097	.31
51250	.135	(a)	51734	.062	.31	52002	.033	.129	53375	.052	.223
51251	.016	(a)	51741	.095	.26	52075	.099	.243	53376	.083	.194
51252	.055	.10	51752	.08	.165	52076	.119	(a)	53377	.085	.195
51253	.047	(a)	51767	.019	.008	52109	.008	(a)	53403	.054	(a)
51254	.015	.039	51777	.064	.078	52134	.11	.63	53425	.093	(a)
51255	.34	(a)	51790	.107	(a)	52137	.039	(a)	53565	.062	.108
51300	.089	.16	51796	.035	(a)	52150	.203	(a)	53631	.013	.022
51305	.089	.96	51808	.123	.73	52315	.084	.26	53632	.015	.034

$100,000/200,000 BASIC LIMIT OCCURRENCE
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505
Products/Completed Operations (Prod/COps)　　(Subline Code 336) Entire State Territory 999

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
53731	.014	(a)	56170	.091	(a)	57401	.027	.096	58503	.033	.076
53732	.094	.45	56171	.045	(a)	57403	.131	.035	58532	.042	(a)
53733	.061	.27	56202	.031	.089	57410	.013	.162	58559	.009	(a)
53734	.32	–	56390	.055	.64	57411	.023	(a)	58560	.021	(a)
53803	.221	(a)	56391	.047	.32	57572	.008	.108	58561	(a)	(a)
53901	(a)	(a)	56427	.076	.125	57600	.023	.034	58575	.027	.12
53902	(a)	(a)	56488	.107	.034	57611	.049	.062	58627	.086	.013
53903	(a)	(a)	56567	.094	(a)	57625	.204	(a)	58663	.209	1.28
53904	(a)	(a)	56650	.29	(a)	57651	.025	.041	58682	.077	(a)
53905	(a)	(a)	56651	.157	(a)	57690	.063	.49	58713	.041	(a)
53907	.041	.103	56652	.112	(a)	57716	.03	.082	58737	.056	.63
53951	(a)	(a)	56653	.108	(a)	57725	.066	.088	58756	.039	(a)
53952	(a)	(a)	56654	.055	(a)	57726	.051	.021	58757	.188	(a)
53953	(a)	(a)	56690	.056	.35	57798	.013	(a)	58759	.023	(a)
54012	.032	–	56699	.035	.057	57800	.047	(a)	58802	.026	.48
54077	.057	.40	56758	.03	.148	57808	.025	(a)	58813	.096	(a)
54444	(a)	(a)	56759	.03	.08	57809	.026	(a)	58822	.072	(a)
55010	.171	1.08	56760	.044	.098	57810	.025	.107	58837	.192	.162
55011	.046	1.57	56805	.057	(a)	57871	.03	.118	58840	.058	.127
55012	.055	1.18	56806	.041	(a)	57913	.061	.29	58873	.092	.03
55013	.084	1.14	56807	.04	(a)	57997	.072	–	58903	.017	(a)
55014	(a)	(a)	56808	.053	(a)	57998	.027	.058	58904	.013	.128
55214	.045	.088	56900	.051	(a)	57999	.041	.071	58922	.153	.168
55371	.248	.119	56910	.025	(a)	58009	.041	(a)	59005	.031	.096
55410	(a)	(a)	56911	.081	(a)	58010	.062	(a)	59057	.233	(a)
55426	.101	(a)	56912	.066	.09	58020	.141	(a)	59058	.151	(a)
55597	.011	1.79	56913	.054	(a)	58056	.074	(a)	59188	.28	.055
55647	.022	.062	56915	.32	(a)	58057	.047	(a)	59189	.38	.30
55648	.01	(a)	56916	.29	.205	58058	.042	(a)	59223	.095	.088
55649	.012	(a)	56917	.083	(a)	58095	.059	1.99	59257	.008	.013
55715	.088	.224	56918	.04	(a)	58096	.079	1.23	59306	.053	(a)
55716	.128	.52	56919	.101	(a)	58301	.032	.088	59378	.062	.15
55717	.134	(a)	56920	.093	(a)	58302	.021	.055	59481	.143	.099
55718	.13	(a)	56980	.044	(a)	58397	.123	.74	59482	.29	(a)
55802	.064	.009	57001	.015	.026	58408	.042	–	59537	.067	.21
55918	.051	2.74	57002	.01	.106	58409	.054	–	59601	.054	2.37
55919	.007	3.65	57090	.149	.66	58456	.029	–	59647	.13	.17
56040	.005	.033	57146	.094	.72	58457	.042	–	59660	.099	1.18
56041	.031	(a)	57202	.039	(a)	58458	.054	–	59661	.049	(a)
56042	.04	(a)	57257	.048	.035	58459	.065	–	59693	.008	–

$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505											
Products/Completed Operations (Prod/COps)　　(Subline Code 336) Entire State Territory 999											
Class Code	**Prem/ Ops**	**Prod/ Cops**	**Class Code**	**Prem/ Ops**	**Prod/ Cops**	**Class Code**	**Prem/ Ops**	**Prod/ Cops**	**Class Code**	**Prem/ Ops**	**Prod/ Cops**
59695	(a)	(a)	**59964**	.246	.069	**63220**	(a)	–	**91190**	2.04	(a)
59701	.004	.29	**59970**	.057	.183	**64074**	11.10	–	**91200**	.64	–
59713	.089	.31	**59973**	.068	(a)	**64075**	7.79	–	**91210**	(a)	–
59722	.046	.031	**59975**	.08	.227	**64500**	(a)	–	**91235**	1.67	2.53
59723	.017	.037	**59977**	.045	(a)	**65007**	14.60	–	**91250**	2.51	(a)
59724	.027	.019	**59984**	.019	.053	**66122**	6.27	–	**91265**	13.70	2.78
59725	.033	.116	**59985**	.073	(a)	**66123**	3.45	–	**91266**	7.24	1.05
59726	.024	.024	**59986**	.055	(a)	**66309**	10.10	–	**91280**	(a)	1.97
59738	.077	.064	**59988**	.02	.059	**66561**	23.30	–	**91302**	11.00	(a)
59750	.05	.222	**59989**	.01	.044	**67017**	21.70	–	**91315**	3.35	–
59751	.018	(a)	**60010**	16.30	–	**67508**	15.50	–	**91324**	7.47	(a)
59773	.017	.028	**60011**	18.70	–	**67509**	11.40	–	**91325**	(a)	(a)
59774	.014	.15	**60012**	30.80	–	**67510**	6.33	–	**91340**	4.87	6.91
59775	.018	.188	**60013**	26.40	–	**67511**	6.85	–	**91341**	4.35	4.09
59781	.043	.068	**60015**	19.70	–	**67512**	29.30	–	**91342**	4.47	2.74
59782	.064	.46	**60016**	22.20	–	**67513**	18.60	–	**91343**	.96	1.50
59783	.062	(a)	**60035**	16.40	–	**67634**	18.70	–	**91405**	5.68	–
59784	.048	(a)	**61000**	16.10	–	**67635**	13.30	–	**91436**	4.92	2.52
59790	.059	(a)	**61212**	8.40	–	**68001**	40.50	–	**91481**	18.00	–
59798	.163	.50	**61216**	9.32	–	**68439**	52.10	–	**91507**	2.65	2.94
59806	.117	(a)	**61217**	8.48	–	**68500**	3.59	–	**91523**	40.80	–
59867	.067	(a)	**61218**	5.80	–	**68604**	.97	–	**91547**	.232	–
59886	.009	.108	**61223**	41.20	–	**68606**	3.80	–	**91551**	1.44	.64
59889	.055	.165	**61224**	13.10	–	**68607**	3.00	–	**91555**	1.01	.78
59892	.062	(a)	**61225**	18.20	–	**68702**	2.47	–	**91560**	4.00	3.39
59904	.042	.061	**61226**	30.70	–	**68703**	1.86	–	**91562**	3.20	–
59905	.042	.132	**61227**	28.00	–	**68706**	7.95	–	**91577**	11.50	2.83
59914	.245	.68	**62000**	6.38	–	**68707**	7.87	–	**91580**	5.28	–
59915	.14	.75	**62001**	5.04	–	**90089**	4.16	–	**91581**	(a)	(a)
59917	.026	.205	**62002**	2.30	–	**91111**	2.15	4.49	**91582**	(a)	(a)
59923	.006	.004	**62003**	7.25	–	**91125**	2.51	1.88	**91583**	(a)	(a)
59925	.172	1.19	**63010**	29.30	–	**91127**	1.45	1.16	**91584**	(a)	(a)
59926	.146	.45	**63011**	36.70	–	**91130**	1.12	–	**91585**	(a)	(a)
59927	.098	1.42	**63012**	52.20	–	**91135**	.31	(a)	**91586**	(a)	(a)
59931	.11	.55	**63013**	49.40	–	**91150**	1.37	4.00	**91587**	(a)	(a)
59932	.119	.88	**63215**	23.90	–	**91155**	3.04	26.80	**91588**	(a)	(a)
59941	.037	(a)	**63216**	16.60	–	**91160**	1.01	–	**91589**	(a)	(a)
59947	.042	.32	**63217**	27.80	–	**91175**	.87	–	**91590**	3.33	–
59955	.014	.143	**63218**	9.37	–	**91177**	3.79	–	**91591**	(a)	(a)
59963	.105	.41	**63219**	(a)	–	**91179**	3.81	–	**91606**	11.00	–

\$100,000/200,000 BASIC LIMIT OCCURRENCE											
Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505											
Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops	Class Code	Prem/Ops	Prod/Cops
91618	(a)	(a)	95357	1.12	–	97653	3.02	2.95	98426	2.45	(a)
91629	2.24	(a)	95358	(a)	–	97654	5.26	2.76	98427	2.38	–
91636	3.84	–	95410	4.27	2.36	97655	4.20	4.00	98428	(a)	–
91641	1.04	(a)	95455	4.64	1.26	98002	.76	.65	98429	1.00	–
91666	.90	(a)	95487	2.29	(a)	98003	.94	(a)	98430	(a)	–
91722	3.36	(a)	95505	2.16	1.70	98090	.127	–	98449	3.42	19.00
91746	3.20	4.47	95620	1.86	(a)	98091	.138	–	98482	3.67	5.68
91805	.201	–	95625	5.28	3.08	98092	.42	–	98483	5.42	16.00
92053	.50	.42	95630	(a)	(a)	98111	.42	–	98502	5.19	3.19
92054	.17	.16	95647	2.01	5.34	98150	(a)	–	98555	2.41	–
92055	4.75	.191	95648	(a)	(a)	98151	(a)	–	98597	.54	–
92101	7.43	2.97	96053	1.53	4.15	98152	2.56	.61	98598	.186	–
92102	4.47	2.84	96317	1.16	–	98153	2.88	(a)	98601	6.21	(a)
92215	2.39	1.92	96408	3.70	13.70	98154	3.40	(a)	98622	(a)	–
92338	1.72	1.48	96409	3.42	9.59	98155	4.76	(a)	98623	(a)	–
92445	2.20	–	96410	3.00	7.32	98156	(a)	(a)	98624	.98	–
92446	5.65	1.68	96611	1.12	1.55	98157	3.04	.42	98636	2.05	2.68
92447	4.94	1.62	96702	4.26	(a)	98158	(a)	(a)	98640	107.00	–
92451	1.67	2.22	96703	(a)	–	98159	2.04	(a)	98658	4.92	–
92453	3.13	–	96816	3.99	–	98160	4.32	(a)	98659	.88	.35
92478	1.55	1.63	96872	4.12	(a)	98161	4.84	(a)	98677	16.90	8.44
92593	21.90	–	96930	(a)	–	98162	(a)	(a)	98678	15.00	11.10
92663	.52	–	97002	(a)	(a)	98163	5.08	.208	98698	(a)	(a)
94007	10.60	4.18	97003	(a)	(a)	98164	1.41	.062	98699	4.88	(a)
94099	2.41	–	97047	3.40	–	98257	1.42	–	98705	6.96	–
94225	8.50	–	97050	2.64	–	98303	9.56	5.45	98710	3.39	–
94276	4.43	3.28	97111	5.11	–	98304	5.28	2.69	98751	3.72	–
94304	2.13	(a)	97220	.30	(a)	98305	2.73	1.37	98805	4.43	.94
94381	4.00	8.86	97221	(a)	1.02	98306	7.02	.62	98806	1.91	3.30
94404	4.20	4.46	97222	1.11	1.64	98307	1.67	.38	98810	3.85	–
94444	(a)	(a)	97223	1.67	2.31	98308	1.10	.74	98813	3.71	1.35
94569	2.83	3.31	97308	.56	–	98309	4.80	1.27	98820	8.45	2.55
94590	12.20	–	97447	1.84	3.78	98344	.76	.68	98871	(a)	(a)
94617	3.85	–	97501	(a)	–	98405	1.25	–	98884	2.20	1.22
94638	(a)	–	97502	(a)	–	98413	13.90	(a)	98914	.60	.38
95124	1.42	.52	97503	(a)	–	98414	12.70	(a)	98949	.84	.245
95233	3.05	–	97504	(a)	–	98415	1.67	(a)	98967	3.45	8.51
95305	3.31	–	97650	3.53	2.79	98423	3.98	(a)	98993	3.92	3.17
95306	4.40	–	97651	5.44	3.20	98424	6.75	(a)	99003	1.64	1.17
95310	7.91	.88	97652	4.72	4.04	98425	2.77	(a)	99004	3.09	1.20

Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 505 Products/Completed Operations (Prod/COps) (Subline Code 336) Entire State Territory 999											
99080	1.16	7.18	99826	.76	.40						
99081	(a)	–	99827	.42	.39						
99082	(a)	–	99851	1.70	–						
99083	(a)	–	99917	2.76	–						
99084	(a)	(a)	99938	3.10	–						
99085	(a)	(a)	99943	8.98	–						
99111	1.69	–	99946	6.69	1.84						
99160	(a)	–	99948	4.73	21.80						
99163	4.02	.46	99952	5.63	14.20						
99165	.88	(a)	99953	6.08	8.67						
99220	1.32	(a)	99954	4.43	7.07						
99221	(a)	(a)	99955	5.55	5.74						
99222	2.48	(a)	99963	.67	–						
99223	.248	(a)	99969	2.40	1.69						
99303	13.50	–	99975	4.92	–						
99310	3.37	(a)	99986	(a)	–						
99315	9.92	1.87	99987	(a)	–						
99321	9.63	2.25	99988	2.12	–						
99445	(a)	(a)									
99471	.60	–									
99505	3.32	–									
99506	4.08	–									
99507	3.56	–									
99570	1.91	(a)									
99571	.46	(a)									
99572	.91	(a)									
99573	.87	(a)									
99600	1.34	–									
99613	8.53	2.09									
99614	3.00	–									
99620	.46	–									
99650	.91	.96									
99709	2.23	(a)									
99718	1.36	–									
99746	2.31	2.15									
99760	.26	–									
99777	6.66	–									
99793	2.93	–									
99798	(a)	(a)									
99803	(a)	7.91									