

LOSS COSTS – FILED

FEBRUARY 4, 2019

GENERAL LIABILITY

LI-GL-2019-030

## RHODE ISLAND GENERAL LIABILITY ADVISORY PROSPECTIVE LOSS COST REVISION FILED

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### KEY MESSAGE

Revised overall advisory prospective loss costs for +3.5% have been filed.

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### BACKGROUND

In circular [LI-GL-2018-133](#), we provided you with information about the General Liability loss cost level experience review.

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### ISO ACTION

We filed GL-2019-BGL1, which presents a review of General Liability loss cost experience. Refer to the attachment(s) for complete details.

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### SUPPLEMENTARY INFORMATION

We are including the following supplementary information:

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

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

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### PROPOSED EFFECTIVE DATE

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

These changes are applicable to all policies written on or after September 1, 2019.

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

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### RATING SOFTWARE IMPACT

No new attributes are being introduced with this revision.

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### CAUTION

This filing has not yet been implemented. You should not submit any filing referencing this material until we inform you in a subsequent circular that this revision has been implemented.

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## REFERENCE(S)

[LI-GL-2018-133](#) (12/12/2018) General Liability Basic Limit Experience For 2019 Group 1 Jurisdictions Reviewed By Staff

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## ATTACHMENT(S)

- Filing GL-2019-BGL1
  - Actuarial Analysis Supplement
  - Proposed 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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## ACKNOWLEDGMENT OF ACTUARIAL QUALIFICATIONS

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

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

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RHODE ISLAND GL-2019-BGL1  
BASIC LIMIT LOSS COST LEVEL  
GENERAL LIABILITY OTHER THAN PROFESSIONAL  
PREMISES/OPERATIONS AND PRODUCTS/COMPLETED OPERATIONS  
EXECUTIVE SUMMARY

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PURPOSE

This document:

- revises current advisory prospective loss costs for Premises/Operations and Products/Completed Operations classes. These loss costs represent a + 3.5% change from the current ISO loss costs. Please note that throughout this document the term loss costs means advisory prospective loss costs.
  - provides the analyses used to derive these advisory loss costs.
- 

DEFINITION OF  
THE ISO  
ADVISORY  
PROSPECTIVE  
LOSS COSTS

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

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LOSS COST  
LEVEL CHANGES

The statewide advisory loss cost level changes are:

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	- 5.6%	- 5.6%
OL&T	+ 9.9%	+ 9.9%
Premises/Operations	+ 4.5%	+ 4.5%
Products	- 11.2%	- 11.2%
Local Products/Completed Operations	- 3.1%	- 3.1%
Products/Completed Operations	- 5.1%	- 5.1%
GL Overall	+ 3.5%	+ 3.5%

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

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INDICATED  
VS. SELECTED

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

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CAPPING

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

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PRIOR ISO  
REVISIONS

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

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CHANGES TO  
METHODOLOGY

When calculating the statewide loss cost level change indication, the expected experience ratio no longer includes the selected change from the last review divided by the implemented change. See Section B and C for further information regarding the expected experience ratio.

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## CHANGES TO ECONOMETRIC DATA

ISO reviewed the economic series underlying the exposure trends for Premises/Operations and Products/Completed Operations classes with inflation sensitive exposure bases. As a result, ISO made some changes in order to improve the correspondence between elements of the National Income and Products Accounts (NIPA) and those classes. In particular, ISO updated the consumption components used in the determination of the exposure trend for OL&T Class Groups 1-13 by revising the composition of the 'Furniture' component, changing the 'Food' component to 'Food and Accommodation' and adding a 'Recreation' component. Also, wherever else appropriate, any item incorporating 'Food' has been revised to also include 'Accommodation'. The economic data is still supplied by Moody's Analytics.

In addition, in July 2018, the Bureau of Economic Analysis (U.S. Department of Commerce) released a comprehensive update of NIPA, which included a change in the reference year from 2009 to 2012. As a result, ISO also updated the base year used in the determination of inflation indices from 2009 to 2012.

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## HISTORICAL SOURCE DATA

The data used in this document is:

- ISO reporting companies' voluntary experience.
- Calendar - accident year data through year ended 12/31/2017 for Premises/Operations.
- Calendar-accident year data through year ended 12/31/2017 for Products/Completed Operations.

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

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## ADJUSTMENTS TO REPORTED EXPERIENCE

The period of use for this revision is anticipated to begin on 9/1/2019. The Products/Completed Operations portion of this review uses a trend date of 7/1/2019 because of the multistate nature of the review. To adjust the loss and exposure data to levels expected to prevail during the period when the revised indications are assumed to be in effect, historical losses and exposures have been multiplied by trend factors. These trend factors are based on changes in cost, frequency and inflation sensitive exposure bases that are expected to arise between the historical experience period and the prospective period during which the revised loss costs will be in effect. For a summary of the selected annual trend factors, see Section E, Section F and Section G - Trend Summary.

For Premises/Operations, occurrence cost data and occurrence frequency data through 12/31/2017 were used in selecting annual trend factors. For Products/Completed Operations, occurrence cost data and occurrence frequency data through 12/31/2017 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.

ADJUSTMENTS  
TO  
REPORTED  
EXPERIENCE  
(CONT'D)

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

TEN  
LARGEST  
COMPANY  
GROUPS IN  
ISO  
DATA  
BASE

OTHER LIABILITY (ASLOB 17.0)

1	Travelers Indemnity Co.
2	Zurich American Insurance Co.
3	Chubb Group of Insurance Cos
4	Employers Mutual Casualty Co.
5	Liberty Mutual Insurance Co.
6	Continental Casualty Co.
7	Selective Insurance Group
8	XL specialty Insurance Co.
9	Amica Mutual Insurance Co.
10	Tokio Marine Cos.

PRODUCTS LIABILITY (ASLOB 18.0)

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

Insurers are listed in descending order based on the percent of written premium volume from Statutory Page 14 Data for the year ending 12/31/2017 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 12/31/2017 is:

Statewide - Other Liability (ASLOB 17.0)	44.2%
Multistate - Products Liability (ASLOB 18.0)	45.0%

COMPANY  
DECISION

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

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

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RHODE ISLAND  
PRIOR REVISIONS

The latest implemented revisions in this state are:

Document: GL-2018-BGL1

<u>Coverage</u>	Effective <u>Date</u>	Loss Cost Level Changes		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		- 3.7%	- 3.7%	- 3.7%
OL&T		+ 8.8%	+ 8.8%	+ 8.8%
Prem/Ops Combined		+ 4.3%	+ 4.3%	+ 4.3%
Products		- 8.3%	- 8.3%	- 8.3%
Local Products/Completed Ops		- 14.4%	- 14.4%	- 14.4%
Products/Completed Operations		- 13.1%	- 13.1%	- 13.1%
General Liability Overall	9/1/2018	+ 2.1%	+ 2.1%	+ 2.1%

Document: GL-2017-BGL1

<u>Coverage</u>	Effective <u>Date</u>	Loss Cost Level Changes		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		- 6.0%	- 6.0%	- 6.0%
OL&T		+ 4.0%	+ 4.0%	+ 4.0%
Prem/Ops Combined		+ 0.3%	+ 0.3%	+ 0.3%
Products		- 8.9%	- 8.9%	- 8.9%
Local Products/Completed Ops		- 7.3%	- 7.3%	- 7.3%
Products/Completed Operations		- 7.6%	- 7.6%	- 7.6%
General Liability Overall	9/1/2017	- 0.8%	- 0.8%	- 0.8%

Document: GL-2016-BGL1

<u>Coverage</u>	Effective <u>Date</u>	Loss Cost Level Changes		
		<u>Indicated</u>	<u>Selected</u>	<u>Implemented</u>
M&C		- 6.7%	- 6.7%	- 6.7%
OL&T		+ 3.6%	+ 3.6%	+ 3.6%
Prem/Ops Combined		- 0.5%	- 0.5%	- 0.5%
Products		- 6.1%	- 6.1%	- 6.1%
Local Products/Completed Ops		- 2.3%	- 2.3%	- 2.3%
Products/Completed Operations		- 3.0%	- 3.0%	- 3.0%
General Liability Overall	10/1/2016	- 0.9%	- 0.9%	- 0.9%



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

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

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

Summary of Indications and Selected Loss Cost Level Changes	Manufacturers And Contractors	Owners, Landlords and Tenants	Overall Premises/ Operations	Products	Local Products/ Completed Operations	Products/ Completed Operations	Overall General Liability Other Than Professional
Statewide Indicated Monoline-Multiline Loss Cost Level Change (See Section C)	- 3.7%	+ 4.8%	+ 1.8%				
Statewide Indicated Monoline Loss Cost Level Change (See Section C)	- 5.6%	+ 9.9%	+ 4.5%	- 11.2%*	- 3.1%**	- 5.1%	+ 3.5%
Statewide Selected Monoline Loss Cost Level Change (See Section C)	- 5.6%	+ 9.9%	+ 4.5%	- 11.2%*	- 3.1%	- 5.1%	+ 3.5%

\* 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.

# RHODE ISLAND

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

<u>CODE</u>	<u>TERRITORY DESCRIPTION</u>	LATEST YEAR MONO/MULTI AGGREGATE LOSS COSTS AT CURRENT <u>LEVEL (ALCCL)</u>	INDICATED LOSS COST LEVEL CHANGE <u>BEFORE CAPPING</u>	LOSS COST LEVEL CHANGE <u>AFTER CAPPING</u>
501	Providence	\$ 2,186,710	+ 6.0%	+ 5.9%
502	Central Falls, Cranston, East Providence, Johnston, North Providence and Pawtucket	1,811,445	+ 9.1%	+ 9.1%
503	Remainder of State	5,098,376	+ 11.9%	+ 11.9%
	STATEWIDE TOTAL	\$ 9,096,531	+ 9.9%	+ 9.9%

RHODE ISLAND

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	\$ 274,630	- 5.3%	- 5.5%
31	LIGHT CONTRACTING	798,238	- 6.0%	- 6.3%
32	MEDIUM CONTRACTING	1,760,459	- 4.2%	- 4.5%
33	HEAVY CONTRACTING	498,419	- 7.5%	- 7.6%
34	DEALERS OR DISTRIBUTORS	403,581	- 6.0%	- 5.0%
35	LIGHT MANUFACTURERS	173,593	- 6.9%	- 6.2%
36	MEDIUM MANUFACTURERS	413,588	- 7.3%	- 6.6%
37	HEAVY MANUFACTURERS	146,687	- 9.8%	- 9.1%
38	MISCELLANEOUS OPERATIONS	417,816	- 5.1%	- 4.5%
	TOTAL	\$ 4,887,011	- 5.6%	- 5.6%

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)	\$ 420,280	+ 11.6%	+ 12.4%
02	RESTAURANTS	1,834,224	+ 10.5%	+ 10.3%
03	STORES	272,210	+ 8.5%	+ 8.9%
04	VENDING AND RENTAL	34,368	+ 8.5%	+ 8.7%
05	FOOD AND BEVERAGE DISTRIBUTORS	128,174	+ 9.8%	+ 11.0%
06	NON-(FOOD AND BEVERAGE) DISTRIB.	148,768	+ 8.0%	+ 8.3%
07	CLUBS, AMUSEMENTS AND SPORTS	490,673	+ 12.8%	+ 13.8%
08	HEALTH CARE FACILITIES	157,511	+ 7.6%	+ 7.6%
09	HOTELS AND MOTELS	381,611	+ 2.4%	+ 2.3%
10	SCHOOLS AND CHURCHES	469,590	+ 10.9%	+ 9.7%
11	APARTMENTS	1,424,180	+ 9.3%	+ 9.0%
12	BUILDINGS AND OFFICES	3,269,308	+ 10.3%	+ 10.2%
13	MISCELLANEOUS PREMISES	55,807	+ 10.2%	+ 11.1%
16	GOVERNMENTAL SUBDIVISIONS	9,827	+ 19.3%	+ 21.5%
	TOTAL	\$ 9,096,531	+ 9.9%	+ 9.9%



RHODE ISLAND

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

<u>CLASS GROUP</u>	<u>DESCRIPTION</u>	LATEST YEAR MULTISTATE MONO/MULTI ALCCL AT MULTISTATE <u>LEVEL</u>	INDICATED MULTISTATE LOSS COST LEVEL <u>CHANGE</u>	LATEST YEAR STATEWIDE MONO/MULTI ALCCL AT CURRENT <u>LEVEL</u>	INDICATED STATEWIDE LOSS COST LEVEL <u>CHANGE</u>	SELECTED STATEWIDE LOSS COST LEVEL <u>CHANGE</u>
03	MANUFACTURERS, DEALERS OR DISTRIBUTORS-FOOD OR DRUG	\$ 39,868,160	- 13.9%	\$ 100,601	- 13.5%	- 13.5%
04	DEALERS OR DISTRIBUTORS-NOT FOOD OR DRUG	41,826,258	- 8.7%	123,137	- 8.3%	- 8.3%
05	MANUFACTURERS-NOT FOOD OR DRUG-LOW	5,676,294	- 9.2%	37,093	- 11.7%	- 11.7%
06	MANUFACTURERS-NOT FOOD OR DRUG-MEDIUM	37,951,725	- 10.2%	98,545	- 10.6%	- 10.6%
07	MANUFACTURERS-NOT FOOD OR DRUG-HIGH	9,915,282	- 10.3%	37,845	- 15.9%	- 15.9%
	PRODUCTS SUBTOTAL	\$ 135,237,719	- 10.8%	\$ 397,221	- 11.2%	- 11.2%
01	RETAIL STORES-FOOD OR DRUG			\$ 32,848	- 7.8%	- 7.8%
02	RETAIL STORES-NOT FOOD OR DRUG			32,782	- 2.7%	- 2.7%
11	COMPLETED OPERATIONS-LOW			55,010	- 0.2%	- 0.9%
12	COMPLETED OPERATIONS-MEDIUM			1,052,459	- 2.7%	- 2.7%
13	COMPLETED OPERATIONS-HIGH			70,764	- 9.7%	- 9.2%
	LOCAL PRODUCTS/COMPLETED OPERATIONS SUBTOTAL			\$ 1,243,863	- 3.1%	- 3.1%
	TOTAL			\$ 1,641,084	- 5.1%	- 5.1%

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

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

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

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

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

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

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

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

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

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

- 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.

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

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

- M&C classes reflect an upper cap of +25% and a lower cap of -26% relative to current loss costs;
- OL&T classes reflect an upper cap of +35% and a lower cap of -20% relative to current loss costs;
- Products classes reflect an upper cap of +25% and a lower cap of -31% relative to current multistate loss costs;
- Local Products/Completed Operations classes reflect an upper cap of +25% and a lower cap of -23% 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: .997

OL&T: 1.000

LP/CO: .975

The Commercial General Liability loss costs are rounded as follows:

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

for example:

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

STATE: 38 - RHODE ISLAND  
 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	.179	.172	4.1	10070	503	.132	.120	10.0	10115	502	2.810	2.610	7.7
10010	502	.225	.211	6.6	10071	501	.980	.940	4.3	10115	503	1.520	1.380	10.1
10010	503	.231	.210	10.0	10071	502	1.250	1.160	7.8	10117	501	12.400	11.400	8.8
10015	501	12.500	11.400	9.6	10071	503	.680	.610	11.5	10117	502	12.900	11.500	12.2
10015	502	12.900	11.600	11.2	10072	501	9.800	10.300	-4.9	10117	503	13.700	12.000	14.2
10015	503	13.800	12.100	14.0	10072	502	10.500	11.000	-4.5	10120	501	27.700	25.500	8.6
10026	501	2.000	1.910	4.7	10072	503	6.690	7.000	-4.4	10120	502	28.800	25.800	11.6
10026	502	2.540	2.370	7.2	10073	501	1.500	1.590	-5.7	10120	503	30.800	26.800	14.9
10026	503	1.380	1.250	10.4	10073	502	1.450	1.530	-5.2	10130	501	11.000	10.500	4.8
10036	501	.960	1.020	-5.9	10073	503	1.240	1.310	-5.3	10130	502	13.900	13.000	6.9
10036	502	.930	.980	-5.1	10075	501	11.100	11.800	-5.9	10130	503	7.540	6.840	10.2
10036	503	.800	.840	-4.8	10075	502	10.800	11.300	-4.4	10132	501	9.450	9.030	4.7
10040	501	.136	.131	3.8	10075	503	9.230	9.730	-5.1	10132	502	12.000	11.200	7.1
10040	502	.171	.160	6.9	10100	501	2.100	1.950	7.7	10132	503	6.500	5.890	10.4
10040	503	.176	.160	10.0	10100	502	2.360	2.130	10.8	10133	501	4.200	4.010	4.7
10042	501	1.150	1.100	4.5	10100	503	1.530	1.350	13.3	10133	502	7.790	7.250	7.4
10042	502	1.450	1.350	7.4	10101	501	.740	.710	4.2	10133	503	6.550	5.920	10.6
10042	503	.790	.720	9.7	10101	502	.940	.880	6.8	10140	501	.076	.072	5.6
10052	501	8.620	7.920	8.8	10101	503	.510	.460	10.9	10140	502	.065	.060	8.3
10052	502	8.950	8.010	11.7	10105	501	8.040	7.690	4.6	10140	503	.097	.087	11.5
10052	503	9.570	8.340	14.7	10105	502	10.200	9.500	7.4	10141	501	.152	.144	5.6
10054	501	7.640	7.020	8.8	10105	503	5.530	5.020	10.2	10141	502	.130	.120	8.3
10054	502	7.940	7.110	11.7	10107	501	4.580	4.870	-6.0	10141	503	.193	.173	11.6
10054	503	8.490	7.400	14.7	10107	502	4.430	4.660	-4.9	10145	501	.730	.690	5.8
10060	501	.550	.520	5.8	10107	503	3.800	4.010	-5.2	10145	502	.630	.580	8.6
10060	502	.700	.650	7.7	10110	501	42.400	39.000	8.7	10145	503	.930	.830	12.0
10060	503	.380	.340	11.8	10110	502	44.100	39.400	11.9	10146	501	.940	.870	8.0
10065	501	.820	.790	3.8	10110	503	47.100	41.000	14.9	10146	502	1.050	.950	10.5
10065	502	1.040	.970	7.2	10111	501	.224	.215	4.2	10146	503	.680	.600	13.3
10065	503	.570	.510	11.8	10111	502	.280	.260	7.7	10150	501	1.530	1.470	4.1
10066	501	.840	.800	5.0	10111	503	.290	.260	11.5	10150	502	1.950	1.810	7.7
10066	502	1.070	.990	8.1	10113	501	1.110	1.070	3.7	10150	503	1.060	.960	10.4
10066	503	.580	.520	11.5	10113	502	1.410	1.320	6.8	10151	501	38.600	36.900	4.6
10070	501	.102	.098	4.1	10113	503	.770	.690	11.6	10151	502	49.000	45.600	7.5
10070	502	.129	.121	6.6	10115	501	2.210	2.120	4.2	10151	503	26.600	24.100	10.4

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STATE: 38 - RHODE ISLAND  
 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
10160	501	6.880	6.580	4.6	10352	503	.890	.790	12.7	11127	502	.720	.670	7.5
10160	502	8.730	8.130	7.4	10367	501	8.660	9.120	-5.0	11127	503	.740	.670	10.4
10160	503	4.730	4.290	10.3	10367	502	9.300	9.720	-4.3	11128	501	.770	.740	4.1
10204	501	.690	.660	4.5	10367	503	5.920	6.190	-4.4	11128	502	.970	.910	6.6
10204	502	.880	.820	7.3	10368	501	12.700	13.300	-4.5	11128	503	.990	.900	10.0
10204	503	.480	.430	11.6	10368	502	13.600	14.200	-4.2	11138	501	4.220	3.880	8.8
10205	501	.770	.740	4.1	10368	503	8.650	9.040	-4.3	11138	502	4.390	3.930	11.7
10205	502	.980	.920	6.5	10378	501	17.100	15.700	8.9	11138	503	4.690	4.090	14.7
10205	503	.530	.480	10.4	10378	502	17.800	15.900	11.9	11155	501	.660	.630	4.8
10220	501	14.600	14.000	4.3	10378	503	19.000	16.500	15.2	11155	502	.840	.780	7.7
10220	502	18.500	17.300	6.9	10379	501	7.940	7.300	8.8	11155	503	.460	.410	12.2
10220	503	10.000	9.100	9.9	10379	502	8.250	7.380	11.8	11167	501	1.010	.960	5.2
10255	501	.360	.380	-5.3	10379	503	8.820	7.680	14.8	11167	502	1.870	1.740	7.5
10255	502	.340	.360	-5.6	10380	501	13.600	12.500	8.8	11167	503	1.570	1.420	10.6
10255	503	.300	.310	-3.2	10380	502	14.100	12.600	11.9	11168	501	5.220	4.980	4.8
10256	501	1.310	1.390	-5.8	10380	503	15.100	13.100	15.3	11168	502	9.690	9.010	7.5
10256	502	1.260	1.330	-5.3	10381	501	11.700	10.800	8.3	11168	503	8.140	7.350	10.7
10256	503	1.080	1.140	-5.3	10381	502	12.200	10.900	11.9	11201	501	32.200	34.000	-5.3
10257	501	.246	.260	-5.4	10381	503	13.000	11.400	14.0	11201	502	34.600	36.200	-4.4
10257	502	.238	.250	-4.8	11007	501	3.680	3.880	-5.2	11201	503	22.000	23.000	-4.3
10257	503	.204	.215	-5.1	11007	502	3.960	4.130	-4.1	11202	501	9.530	10.000	-4.7
10309	501	.500	.480	4.2	11007	503	2.520	2.630	-4.2	11202	502	10.200	10.700	-4.7
10309	502	.640	.590	8.5	11020	501	.940	.900	4.4	11202	503	6.510	6.810	-4.4
10309	503	.340	.310	9.7	11020	502	1.190	1.110	7.2	11203	501	1.330	1.270	4.7
10315	501	1.180	1.130	4.4	11020	503	.640	.580	10.3	11203	502	1.670	1.560	7.1
10315	502	1.500	1.390	7.9	11039	501	1.300	1.390	-6.5	11203	503	1.710	1.560	9.6
10315	503	.810	.740	9.5	11039	502	1.260	1.330	-5.3	11204	501	.970	.930	4.3
10331	501	16.900	15.500	9.0	11039	503	1.080	1.140	-5.3	11204	502	1.230	1.150	7.0
10331	502	17.600	15.700	12.1	11052	501	4.370	4.170	4.8	11204	503	.670	.600	11.7
10331	503	18.800	16.300	15.3	11052	502	8.110	7.540	7.6	11206	501	1.500	1.580	-5.1
10332	501	29.100	26.800	8.6	11052	503	6.820	6.150	10.9	11206	502	1.610	1.680	-4.2
10332	502	30.300	27.100	11.8	11126	501	.194	.185	4.9	11206	503	1.020	1.070	-4.7
10332	503	32.400	28.200	14.9	11126	502	.246	.229	7.4	11207	501	18.900	19.900	-5.0
10352	501	1.220	1.140	7.0	11126	503	.133	.121	9.9	11207	502	20.300	21.200	-4.2
10352	502	1.370	1.240	10.5	11127	501	.570	.550	3.6	11207	503	12.900	13.500	-4.4

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STATE: 38 - RHODE ISLAND  
 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
11208	501	3.240	3.410	-5.0	11259	503	1.980	1.740	13.8	12393	502	1.580	1.470	7.5
11208	502	3.480	3.630	-4.1	11273	501	43.200	41.300	4.6	12393	503	.860	.780	10.3
11208	503	2.210	2.310	-4.3	11273	502	54.800	51.100	7.2	12467	501	.520	.490	6.1
11209	501	15.200	16.000	-5.0	11273	503	29.700	27.000	10.0	12467	502	.660	.610	8.2
11209	502	16.300	17.100	-4.7	11274	501	41.500	39.700	4.5	12467	503	.360	.320	12.5
11209	503	10.400	10.900	-4.6	11274	502	52.600	49.000	7.3	12509	501	.089	.095	-6.3
11210	501	6.470	6.820	-5.1	11274	503	28.500	25.900	10.0	12509	502	.086	.091	-5.5
11210	502	6.950	7.270	-4.4	11288	501	3.100	2.880	7.6	12509	503	.074	.078	-5.1
11210	503	4.420	4.620	-4.3	11288	502	3.480	3.150	10.5	12510	501	1.130	1.200	-5.8
11211	501	33.600	35.400	-5.1	11288	503	2.260	1.990	13.6	12510	502	1.090	1.150	-5.2
11211	502	36.100	37.800	-4.5	12014	501	.146	.156	-6.4	12510	503	.940	.990	-5.1
11211	503	23.000	24.000	-4.2	12014	502	.141	.149	-5.4	12583	501	.500	.540	-7.4
11212	501	5.090	5.360	-5.0	12014	503	.121	.128	-5.5	12583	502	.490	.510	-3.9
11212	502	5.470	5.710	-4.2	12356	501	3.670	3.500	4.9	12583	503	.420	.440	-4.5
11212	503	3.480	3.630	-4.1	12356	502	4.650	4.330	7.4	12651	501	1.470	1.560	-5.8
11213	501	4.150	4.370	-5.0	12356	503	2.520	2.290	10.0	12651	502	1.420	1.490	-4.7
11213	502	4.460	4.660	-4.3	12361	501	.165	.157	5.1	12651	503	1.220	1.280	-4.7
11213	503	2.840	2.970	-4.4	12361	502	.142	.131	8.4	12683	501	.670	.710	-5.6
11214	501	10.200	10.800	-5.6	12361	503	.210	.188	11.7	12683	502	.650	.680	-4.4
11214	502	11.000	11.500	-4.3	12362	501	.113	.108	4.6	12683	503	.560	.590	-5.1
11214	503	6.980	7.300	-4.4	12362	502	.141	.132	6.8	12707	501	.740	.710	4.2
11222	501	.172	.181	-5.0	12362	503	.145	.132	9.8	12707	502	.930	.870	6.9
11222	502	.185	.193	-4.1	12373	501	.043	.041	4.9	12707	503	.950	.870	9.2
11222	503	.117	.123	-4.9	12373	502	.054	.050	8.0	12797	501	.155	.149	4.0
11234	501	.870	.830	4.8	12373	503	.055	.050	10.0	12797	502	.195	.183	6.6
11234	502	1.110	1.030	7.8	12374	501	1.910	1.820	4.9	12797	503	.200	.182	9.9
11234	503	.600	.540	11.1	12374	502	2.420	2.250	7.6	12805	501	1.000	.960	4.2
11248	501	.068	.072	-5.6	12374	503	1.310	1.190	10.1	12805	502	1.270	1.180	7.6
11248	502	.066	.069	-4.3	12375	501	.940	.900	4.4	12805	503	.690	.620	11.3
11248	503	.056	.059	-5.1	12375	502	1.190	1.110	7.2	12841	501	1.660	1.590	4.4
11258	501	2.530	2.350	7.7	12375	503	.640	.580	10.3	12841	502	2.110	1.970	7.1
11258	502	2.840	2.570	10.5	12391	501	.084	.081	3.7	12841	503	1.140	1.040	9.6
11258	503	1.850	1.620	14.2	12391	502	.106	.099	7.1	12927	501	.290	.280	3.6
11259	501	2.710	2.520	7.5	12391	503	.109	.099	10.1	12927	502	.370	.340	8.8
11259	502	3.050	2.750	10.9	12393	501	1.240	1.190	4.2	12927	503	.200	.181	10.5

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STATE: 38 - RHODE ISLAND  
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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
13049	501	.086	.082	4.9	13453	503	.660	.700	-5.7	13759	502	.700	.650	7.7
13049	502	.074	.068	8.8	13454	501	.940	.990	-5.1	13759	503	.380	.340	11.8
13049	503	.109	.098	11.2	13454	502	.900	.950	-5.3	13930	501	.240	.230	4.3
13111	501	2.350	2.180	7.8	13454	503	.780	.820	-4.9	13930	502	.300	.280	7.1
13111	502	2.630	2.380	10.5	13455	501	.950	1.010	-5.9	13930	503	.310	.280	10.7
13111	503	1.710	1.510	13.2	13455	502	.920	.970	-5.2	14068	501	.121	.116	4.3
13112	501	.141	.133	6.0	13455	503	.790	.830	-4.8	14068	502	.154	.143	7.7
13112	502	.120	.111	8.1	13506	501	2.840	2.720	4.4	14068	503	.083	.076	9.2
13112	503	.179	.160	11.9	13506	502	3.610	3.360	7.4	14101	501	1.420	1.360	4.4
13201	501	1.300	1.380	-5.8	13506	503	1.960	1.770	10.7	14101	502	1.800	1.680	7.1
13201	502	1.250	1.320	-5.3	13507	501	3.420	3.270	4.6	14101	503	.980	.890	10.1
13201	503	1.070	1.130	-5.3	13507	502	4.340	4.050	7.2	14279	501	.680	.720	-5.6
13204	501	1.470	1.560	-5.8	13507	503	2.360	2.140	10.3	14279	502	.660	.690	-4.3
13204	502	1.420	1.490	-4.7	13590	501	.710	.750	-5.3	14279	503	.570	.600	-5.0
13204	503	1.220	1.280	-4.7	13590	502	.680	.720	-5.6	14401	501	2.550	2.370	7.6
13205	501	.560	.600	-6.7	13590	503	.590	.620	-4.8	14401	502	2.860	2.590	10.4
13205	502	.550	.570	-3.5	13621	501	.178	.190	-6.3	14401	503	1.860	1.640	13.4
13205	503	.470	.490	-4.1	13621	502	.172	.182	-5.5	14405	501	2.170	2.280	-4.8
13314	501	.370	.360	2.8	13621	503	.148	.156	-5.1	14405	502	2.330	2.430	-4.1
13314	502	.470	.440	6.8	13670	501	.093	.088	5.7	14405	503	1.480	1.550	-4.5
13314	503	.260	.232	12.1	13670	502	.079	.073	8.2	14527	501	.460	.440	4.5
13351	501	.900	.860	4.7	13670	503	.118	.105	12.4	14527	502	.570	.540	5.6
13351	502	1.150	1.070	7.5	13673	501	1.920	1.780	7.9	14527	503	.590	.540	9.3
13351	503	.620	.560	10.7	13673	502	2.150	1.950	10.3	14655	501	.270	.260	3.8
13352	501	.920	.880	4.5	13673	503	1.400	1.230	13.8	14655	502	.350	.320	9.4
13352	502	1.170	1.090	7.3	13715	501	.113	.108	4.6	14655	503	.189	.171	10.5
13352	503	.630	.570	10.5	13715	502	.141	.132	6.8	14731	501	4.330	4.140	4.6
13410	501	2.050	2.180	-6.0	13715	503	.145	.132	9.8	14731	502	8.040	7.480	7.5
13410	502	1.980	2.090	-5.3	13716	501	1.400	1.340	4.5	14731	503	6.760	6.110	10.6
13410	503	1.700	1.790	-5.0	13716	502	1.780	1.660	7.2	14732	501	.320	.310	3.2
13412	501	.690	.740	-6.8	13716	503	.970	.880	10.2	14732	502	.600	.550	9.1
13412	502	.670	.700	-4.3	13720	501	1.080	1.000	8.0	14732	503	.500	.450	11.1
13412	503	.570	.610	-6.6	13720	502	1.210	1.100	10.0	14733	501	1.920	1.840	4.3
13453	501	.800	.850	-5.9	13720	503	.790	.690	14.5	14733	502	2.440	2.270	7.5
13453	502	.770	.810	-4.9	13759	501	.550	.520	5.8	14733	503	1.320	1.200	10.0

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STATE: 38 - RHODE ISLAND  
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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
14734	501	.820	.790	3.8	15314	503	.460	.410	12.2	15839	502	1.130	1.050	7.6
14734	502	1.040	.970	7.2	15404	501	.129	.137	-5.8	15839	503	.610	.550	10.9
14734	503	.570	.510	11.8	15404	502	.124	.131	-5.3	15991	501	.730	.690	5.8
14855	501	.310	.330	-6.1	15404	503	.107	.112	-4.5	15991	502	.920	.860	7.0
14855	502	.300	.320	-6.3	15405	501	.189	.201	-6.0	15991	503	.500	.450	11.1
14855	503	.260	.270	-3.7	15405	502	.183	.192	-4.7	15993	501	.610	.590	3.4
14913	501	1.030	.990	4.0	15405	503	.157	.165	-4.8	15993	502	.780	.730	6.8
14913	502	1.310	1.220	7.4	15406	501	.480	.510	-5.9	15993	503	.420	.380	10.5
14913	503	.710	.640	10.9	15406	502	.470	.490	-4.1	16005	501	.060	.057	5.3
15062	501	.280	.300	-6.7	15406	503	.400	.420	-4.8	16005	502	.075	.070	7.1
15062	502	.270	.290	-6.9	15488	501	1.200	1.280	-6.2	16005	503	.077	.070	10.0
15062	503	.234	.247	-5.3	15488	502	1.160	1.220	-4.9	16009	501	.390	.410	-4.9
15063	501	.330	.350	-5.7	15488	503	1.000	1.050	-4.8	16009	502	.370	.390	-5.1
15063	502	.320	.330	-3.0	15538	501	1.180	1.130	4.4	16009	503	.320	.340	-5.9
15063	503	.270	.290	-6.9	15538	502	1.500	1.390	7.9	16402	501	4.390	4.200	4.5
15070	501	.290	.310	-6.5	15538	503	.810	.740	9.5	16402	502	5.570	5.190	7.3
15070	502	.310	.330	-6.1	15600	501	2.970	2.840	4.6	16402	503	3.020	2.740	10.2
15070	503	.198	.207	-4.3	15600	502	3.770	3.510	7.4	16403	501	2.780	2.660	4.5
15123	501	4.190	4.000	4.7	15600	503	2.040	1.850	10.3	16403	502	3.520	3.280	7.3
15123	502	7.780	7.230	7.6	15607	501	.380	.400	-5.0	16403	503	1.910	1.730	10.4
15123	503	6.540	5.900	10.8	15607	502	.410	.430	-4.7	16404	501	3.500	3.350	4.5
15124	501	1.460	1.400	4.3	15607	503	.260	.270	-3.7	16404	502	4.450	4.140	7.5
15124	502	2.720	2.530	7.5	15608	501	.660	.630	4.8	16404	503	2.410	2.190	10.0
15124	503	2.290	2.060	11.2	15608	502	.840	.780	7.7	16471	501	.540	.560	-3.6
15188	501	.500	.530	-5.7	15608	503	.460	.410	12.2	16471	502	.580	.600	-3.3
15188	502	.480	.500	-4.0	15656	501	19.600	18.700	4.8	16471	503	.370	.380	-2.6
15188	503	.410	.430	-4.7	15656	502	24.800	23.100	7.4	16501	501	.126	.121	4.1
15223	501	.109	.103	5.8	15656	503	13.500	12.200	10.7	16501	502	.158	.148	6.8
15223	502	.093	.086	8.1	15699	501	.940	.990	-5.1	16501	503	.162	.148	9.5
15223	503	.139	.124	12.1	15699	502	1.010	1.050	-3.8	16527	501	.194	.186	4.3
15224	501	1.140	1.060	7.5	15699	503	.640	.670	-4.5	16527	502	.243	.228	6.6
15224	502	1.280	1.160	10.3	15733	501	.310	.330	-6.1	16527	503	.249	.227	9.7
15224	503	.830	.730	13.7	15733	502	.300	.320	-6.3	16588	501	.178	.190	-6.3
15314	501	.660	.630	4.8	15733	503	.260	.270	-3.7	16588	502	.172	.182	-5.5
15314	502	.840	.780	7.7	15839	501	.890	.850	4.7	16588	503	.148	.156	-5.1

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LOSS COST % CHANGE BY CLASS

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16604	501	.300	.320	-6.3	16891	503	.181	.190	-4.7	16921	502	6.550	5.980	9.5
16604	502	.290	.310	-6.5	16892	501	.400	.420	-4.8	16921	503	7.800	6.930	12.6
16604	503	.249	.260	-4.2	16892	502	.380	.400	-5.0	16930	501	4.640	4.350	6.7
16670	501	7.010	6.440	8.9	16892	503	.330	.350	-5.7	16930	502	4.130	3.770	9.5
16670	502	7.280	6.520	11.7	16900	501	5.920	5.540	6.9	16930	503	4.910	4.370	12.4
16670	503	7.790	6.780	14.9	16900	502	5.260	4.800	9.6	16931	501	5.010	4.690	6.8
16676	501	.920	.880	4.5	16900	503	6.260	5.560	12.6	16931	502	4.450	4.060	9.6
16676	502	1.170	1.090	7.3	16901	501	3.790	3.550	6.8	16931	503	5.290	4.710	12.3
16676	503	.630	.570	10.5	16901	502	3.370	3.080	9.4	16940	501	10.100	9.440	7.0
16694	501	.590	.630	-6.3	16901	503	4.010	3.570	12.3	16940	502	8.950	8.170	9.5
16694	502	.570	.600	-5.0	16902	501	3.220	3.010	7.0	16940	503	10.700	9.470	13.0
16694	503	.490	.520	-5.8	16902	502	2.860	2.610	9.6	16941	501	4.040	3.780	6.9
16705	501	.360	.340	5.9	16902	503	3.400	3.020	12.6	16941	502	3.590	3.270	9.8
16705	502	.450	.420	7.1	16905	501	6.220	5.830	6.7	16941	503	4.270	3.800	12.4
16705	503	.460	.420	9.5	16905	502	5.530	5.050	9.5	18078	501	.204	.196	4.1
16750	501	.320	.310	3.2	16905	503	6.580	5.850	12.5	18078	502	.260	.240	8.3
16750	502	.410	.380	7.9	16906	501	3.970	3.720	6.7	18078	503	.260	.239	8.8
16750	503	.222	.201	10.4	16906	502	3.530	3.220	9.6	18109	501	1.210	1.160	4.3
16751	501	.320	.310	3.2	16906	503	4.200	3.740	12.3	18109	502	1.540	1.430	7.7
16751	502	.410	.380	7.9	16910	501	3.550	3.330	6.6	18109	503	.830	.760	9.2
16751	503	.222	.201	10.4	16910	502	3.150	2.880	9.4	18110	501	.970	.930	4.3
16819	501	1.710	1.810	-5.5	16910	503	3.750	3.340	12.3	18110	502	1.230	1.150	7.0
16819	502	1.650	1.740	-5.2	16911	501	3.220	3.010	7.0	18110	503	.670	.600	11.7
16819	503	1.410	1.490	-5.4	16911	502	2.860	2.610	9.6	18205	501	.310	.300	3.3
16820	501	1.320	1.400	-5.7	16911	503	3.400	3.020	12.6	18205	502	.390	.370	5.4
16820	502	1.280	1.340	-4.5	16915	501	3.640	3.410	6.7	18205	503	.400	.370	8.1
16820	503	1.100	1.150	-4.3	16915	502	3.240	2.950	9.8	18206	501	1.570	1.500	4.7
16881	501	5.050	4.830	4.6	16915	503	3.850	3.420	12.6	18206	502	1.990	1.850	7.6
16881	502	6.410	5.970	7.4	16916	501	3.030	2.840	6.7	18206	503	1.080	.980	10.2
16881	503	3.480	3.150	10.5	16916	502	2.700	2.460	9.8	18335	501	1.130	1.080	4.6
16890	501	.200	.213	-6.1	16916	503	3.210	2.850	12.6	18335	502	1.430	1.340	6.7
16890	502	.193	.203	-4.9	16920	501	8.070	7.560	6.7	18335	503	.780	.710	9.9
16890	503	.166	.175	-5.1	16920	502	7.170	6.550	9.5	18435	501	2.220	2.060	7.8
16891	501	.218	.232	-6.0	16920	503	8.530	7.590	12.4	18435	502	2.500	2.260	10.6
16891	502	.210	.222	-5.4	16921	501	7.370	6.910	6.7	18435	503	1.620	1.430	13.3

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LOSS COST % CHANGE BY CLASS

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18436	501	1.790	1.670	7.2	18834	503	.630	.570	10.5	40061	502	5.400	4.830	11.8
18436	502	2.020	1.820	11.0	18911	501	2.910	2.780	4.7	40061	503	5.770	5.030	14.7
18436	503	1.310	1.150	13.9	18911	502	3.690	3.440	7.3	40063	501	174.000	160.000	8.7
18437	501	1.610	1.540	4.5	18911	503	2.000	1.810	10.5	40063	502	181.000	162.000	11.7
18437	502	2.050	1.910	7.3	18912	501	5.470	5.230	4.6	40063	503	193.000	168.000	14.9
18437	503	1.110	1.010	9.9	18912	502	6.950	6.470	7.4	40064	501	51.100	47.000	8.7
18438	501	3.100	2.960	4.7	18912	503	3.770	3.410	10.6	40064	502	53.100	47.500	11.8
18438	502	3.930	3.660	7.4	18920	501	1.420	1.360	4.4	40064	503	56.800	49.400	15.0
18438	503	2.130	1.930	10.4	18920	502	1.800	1.680	7.1	40075	501	90.600	84.900	6.7
18501	501	2.040	1.890	7.9	18920	503	.980	.890	10.1	40075	502	63.400	58.100	9.1
18501	502	2.290	2.070	10.6	19007	501	1.640	1.560	5.1	40075	503	54.700	48.900	11.9
18501	503	1.490	1.310	13.7	19007	502	3.040	2.830	7.4	40101	501	54.600	52.600	3.8
18506	501	.630	.670	-6.0	19007	503	2.550	2.310	10.4	40101	502	30.600	28.800	6.3
18506	502	.610	.640	-4.7	19051	501	3.630	3.460	4.9	40101	503	49.200	45.100	9.1
18506	503	.520	.550	-5.5	19051	502	6.740	6.260	7.7	40102	501	48.300	46.500	3.9
18507	501	.580	.560	3.6	19051	503	5.660	5.110	10.8	40102	502	27.000	25.400	6.3
18507	502	.740	.690	7.2	19795	501	.950	.910	4.4	40102	503	43.500	39.900	9.0
18507	503	.400	.360	11.1	19795	502	1.210	1.130	7.1	40111	501	13.800	12.700	8.7
18570	501	6.070	5.800	4.7	19795	503	.660	.590	11.9	40111	502	14.300	12.800	11.7
18570	502	7.700	7.180	7.2	19796	501	1.110	1.070	3.7	40111	503	15.300	13.300	15.0
18570	503	4.180	3.790	10.3	19796	502	1.410	1.320	6.8	41001	501	.460	.430	7.0
18616	501	.480	.510	-5.9	19796	503	.770	.690	11.6	41001	502	.480	.430	11.6
18616	502	.460	.490	-6.1	40045	501	388.000	357.000	8.7	41001	503	.520	.450	15.6
18616	503	.400	.420	-4.8	40045	502	403.000	361.000	11.6	41421	501	1.130	1.050	7.6
18707	501	.017	.016	6.3	40045	503	431.000	376.000	14.6	41421	502	.860	.790	8.9
18707	502	.021	.020	5.0	40046	501	76.700	70.500	8.8	41421	503	.620	.550	12.7
18707	503	.022	.020	10.0	40046	502	79.700	71.300	11.8	41422	501	.600	.560	7.1
18708	501	.360	.340	5.9	40046	503	85.200	74.200	14.8	41422	502	.460	.420	9.5
18708	502	.450	.420	7.1	40047	501	27.400	25.100	9.2	41422	503	.330	.290	13.8
18708	503	.244	.222	9.9	40047	502	28.400	25.400	11.8	41510	501	146.000	140.000	4.3
18833	501	.202	.194	4.1	40047	503	30.400	26.500	14.7	41510	502	185.000	173.000	6.9
18833	502	.250	.237	5.5	40059	501	9.800	9.000	8.9	41510	503	101.000	91.100	10.9
18833	503	.260	.237	9.7	40059	502	10.200	9.110	12.0	41603	501	53.300	49.900	6.8
18834	501	.920	.880	4.5	40059	503	10.900	9.480	15.0	41603	502	40.900	37.200	9.9
18834	502	1.170	1.090	7.3	40061	501	5.200	4.770	9.0	41603	503	29.200	25.900	12.7

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LOSS COST % CHANGE BY CLASS

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41604	501	29.300	27.400	6.9	41680	503	21.400	19.000	12.6	43550	502	117.000	108.000	8.3
41604	502	22.500	20.500	9.8	41696	501	1.760	1.860	-5.4	43550	503	101.000	90.400	11.7
41604	503	16.100	14.200	13.4	41696	502	1.890	1.980	-4.5	43551	501	93.000	87.200	6.7
41620	501	2.700	2.850	-5.3	41696	503	1.200	1.260	-4.8	43551	502	65.100	59.700	9.0
41620	502	2.900	3.030	-4.3	41697	501	1.230	1.290	-4.7	43551	503	56.200	50.200	12.0
41620	503	1.840	1.930	-4.7	41697	502	1.320	1.380	-4.3	43626	501	20.100	18.500	8.6
41650	501	75.100	70.200	7.0	41697	503	.840	.880	-4.5	43626	502	20.900	18.700	11.8
41650	502	57.600	52.400	9.9	41715	501	24.800	23.200	6.9	43626	503	22.400	19.500	14.9
41650	503	41.200	36.500	12.9	41715	502	19.000	17.300	9.8	43628	501	262.000	241.000	8.7
41664	501	58.800	54.000	8.9	41715	503	13.600	12.100	12.4	43628	502	272.000	243.000	11.9
41664	502	61.100	54.700	11.7	41716	501	15.800	14.800	6.8	43628	503	291.000	253.000	15.0
41664	503	65.300	56.900	14.8	41716	502	12.100	11.000	10.0	43629	501	222.000	204.000	8.8
41665	501	6.880	6.330	8.7	41716	503	8.650	7.670	12.8	43629	502	231.000	206.000	12.1
41665	502	7.150	6.400	11.7	43151	501	45.000	42.200	6.6	43629	503	246.000	215.000	14.4
41665	503	7.650	6.660	14.9	43151	502	31.600	28.900	9.3	43760	501	7.390	6.790	8.8
41667	501	161.000	148.000	8.8	43151	503	27.200	24.300	11.9	43760	502	7.680	6.870	11.8
41667	502	167.000	149.000	12.1	43152	501	43.900	41.200	6.6	43760	503	8.210	7.150	14.8
41667	503	179.000	155.000	15.5	43152	502	50.600	46.300	9.3	43822	501	8.170	8.610	-5.1
41668	501	151.000	138.000	9.4	43152	503	44.700	39.900	12.0	43822	502	8.770	9.170	-4.4
41668	502	157.000	140.000	12.1	43200	501	171.000	161.000	6.2	43822	503	5.580	5.830	-4.3
41668	503	167.000	146.000	14.4	43200	502	120.000	110.000	9.1	43840	501	.100	.106	-5.7
41669	501	1.060	.970	9.3	43200	503	104.000	92.500	12.4	43840	502	.108	.113	-4.4
41669	502	1.100	.980	12.2	43421	501	47.000	44.100	6.6	43840	503	.069	.072	-4.2
41669	503	1.170	1.020	14.7	43421	502	32.900	30.200	8.9	43860	501	6.430	6.770	-5.0
41670	501	1.770	1.630	8.6	43421	503	28.400	25.400	11.8	43860	502	6.900	7.220	-4.4
41670	502	1.840	1.650	11.5	43422	501	247.000	231.000	6.9	43860	503	4.390	4.590	-4.4
41670	503	1.970	1.720	14.5	43422	502	173.000	158.000	9.5	43889	501	2.300	2.420	-5.0
41677	501	.560	.590	-5.1	43422	503	149.000	133.000	12.0	43889	502	2.470	2.580	-4.3
41677	502	.600	.630	-4.8	43470	501	10.300	10.800	-4.6	43889	503	1.570	1.640	-4.3
41677	503	.380	.400	-5.0	43470	502	11.000	11.500	-4.3	44009	501	5.110	4.870	4.9
41678	501	147.000	138.000	6.5	43470	503	7.010	7.330	-4.4	44009	502	9.480	8.810	7.6
41678	502	169.000	155.000	9.0	43518	501	25.200	23.200	8.6	44009	503	7.970	7.190	10.8
41678	503	149.000	133.000	12.0	43518	502	26.200	23.400	12.0	44069	501	21.500	19.800	8.6
41680	501	39.000	36.500	6.8	43518	503	28.000	24.400	14.8	44069	502	22.400	20.000	12.0
41680	502	29.900	27.300	9.5	43550	501	168.000	157.000	7.0	44069	503	23.900	20.800	14.9

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STATE: 38 - RHODE ISLAND  
 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
44070	501	6.380	5.860	8.9	44111	503	2.040	1.680	21.4	44432	502	1.170	1.100	6.4
44070	502	6.630	5.930	11.8	44112	501	.930	.800	16.2	44432	503	1.890	1.730	9.2
44070	503	7.080	6.170	14.7	44112	502	1.140	.970	17.5	44433	501	66.800	64.300	3.9
44071	501	7.100	6.520	8.9	44112	503	1.210	1.000	21.0	44433	502	37.400	35.200	6.2
44071	502	7.370	6.600	11.7	44276	501	230.000	216.000	6.5	44433	503	60.200	55.100	9.3
44071	503	7.880	6.860	14.9	44276	502	161.000	148.000	8.8	44434	501	128.000	123.000	4.1
44072	501	4.900	4.500	8.9	44276	503	139.000	124.000	12.1	44434	502	71.600	67.300	6.4
44072	502	5.090	4.550	11.9	44277	501	149.000	140.000	6.4	44434	503	115.000	105.000	9.5
44072	503	5.440	4.740	14.8	44277	502	105.000	95.800	9.6	44435	501	132.000	127.000	3.9
44100	501	2.780	2.410	15.4	44277	503	90.100	80.500	11.9	44435	502	74.100	69.700	6.3
44100	502	3.430	2.900	18.3	44280	501	.560	.590	-5.1	44435	503	119.000	109.000	9.2
44100	503	3.630	2.990	21.4	44280	502	.600	.630	-4.8	44436	501	154.000	149.000	3.4
44101	501	2.890	2.510	15.1	44280	503	.380	.400	-5.0	44436	502	86.500	81.400	6.3
44101	502	3.570	3.020	18.2	44311	501	13.000	12.000	8.3	44436	503	139.000	128.000	8.6
44101	503	3.780	3.110	21.5	44311	502	13.500	12.100	11.6	44437	501	128.000	123.000	4.1
44102	501	2.250	1.960	14.8	44311	503	14.400	12.600	14.3	44437	502	71.700	67.500	6.2
44102	502	2.790	2.360	18.2	44315	501	8.740	8.030	8.8	44437	503	115.000	106.000	8.5
44102	503	2.950	2.430	21.4	44315	502	9.080	8.130	11.7	44438	501	101.000	97.500	3.6
44103	501	1.990	1.730	15.0	44315	503	9.710	8.460	14.8	44438	502	56.700	53.300	6.4
44103	502	2.460	2.080	18.3	44427	501	197.000	190.000	3.7	44438	503	91.200	83.500	9.2
44103	503	2.610	2.150	21.4	44427	502	111.000	104.000	6.7	44439	501	197.000	190.000	3.7
44104	501	.840	.730	15.1	44427	503	178.000	163.000	9.2	44439	502	110.000	104.000	5.8
44104	502	1.040	.880	18.2	44428	501	199.000	191.000	4.2	44439	503	177.000	163.000	8.6
44104	503	1.100	.900	22.2	44428	502	111.000	105.000	5.7	44440	501	163.000	157.000	3.8
44108	501	.980	.850	15.3	44428	503	179.000	164.000	9.1	44440	502	91.300	85.900	6.3
44108	502	1.210	1.030	17.5	44429	501	2.980	2.870	3.8	44440	503	147.000	135.000	8.9
44108	503	1.280	1.060	20.8	44429	502	1.670	1.570	6.4	45190	501	9.720	9.830	-1.1
44109	501	2.490	2.160	15.3	44429	503	2.680	2.460	8.9	45190	502	1.740	1.720	1.2
44109	502	3.070	2.600	18.1	44430	501	2.070	1.990	4.0	45190	503	3.150	3.020	4.3
44109	503	3.250	2.680	21.3	44430	502	1.160	1.090	6.4	45191	501	6.900	6.980	-1.1
44110	501	2.540	2.210	14.9	44430	503	1.870	1.710	9.4	45191	502	1.230	1.220	0.8
44110	502	3.140	2.660	18.0	44431	501	6.610	6.370	3.8	45191	503	2.240	2.150	4.2
44110	503	3.320	2.740	21.2	44431	502	3.700	3.480	6.3	45192	501	8.070	8.160	-1.1
44111	501	1.560	1.360	14.7	44431	503	5.960	5.460	9.2	45192	502	1.440	1.420	1.4
44111	502	1.930	1.630	18.4	44432	501	2.100	2.020	4.0	45192	503	2.610	2.510	4.0

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LOSS COST % CHANGE BY CLASS

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45193	501	4.760	4.820	-1.2	46004	503	39.100	34.700	12.7	46700	502	242.000	221.000	9.5
45193	502	.850	.840	1.2	46005	501	57.100	53.400	6.9	46700	503	208.000	186.000	11.8
45193	503	1.540	1.480	4.1	46005	502	43.800	39.900	9.8	46911	501	39.900	36.600	9.0
45210	501	6.030	6.090	-1.0	46005	503	31.300	27.800	12.6	46911	502	41.400	37.100	11.6
45210	502	1.080	1.060	1.9	46112	501	.215	.207	3.9	46911	503	44.300	38.600	14.8
45210	503	1.950	1.870	4.3	46112	502	.120	.113	6.2	46912	501	73.000	67.100	8.8
45334	501	98.800	92.700	6.6	46112	503	.194	.177	9.6	46912	502	75.900	67.900	11.8
45334	502	69.200	63.400	9.1	46202	501	12.300	12.500	-1.6	46912	503	81.100	70.700	14.7
45334	503	59.700	53.300	12.0	46202	502	2.210	2.180	1.4	47050	501	2.230	2.350	-5.1
45380	501	.370	.390	-5.1	46202	503	4.000	3.840	4.2	47050	502	2.400	2.510	-4.4
45380	502	.360	.370	-2.7	46362	501	512.000	481.000	6.4	47050	503	1.520	1.590	-4.4
45380	503	.300	.320	-6.3	46362	502	590.000	540.000	9.3	47221	501	378.000	355.000	6.5
45450	501	29.100	27.300	6.6	46362	503	522.000	465.000	12.3	47221	502	265.000	243.000	9.1
45450	502	20.400	18.700	9.1	46426	501	74.700	70.200	6.4	47221	503	228.000	204.000	11.8
45450	503	17.600	15.700	12.1	46426	502	86.300	78.900	9.4	47318	501	16.400	15.100	8.6
45678	501	.600	.630	-4.8	46426	503	76.200	67.900	12.2	47318	502	17.000	15.200	11.8
45678	502	.650	.680	-4.4	46427	501	99.800	93.800	6.4	47318	503	18.200	15.900	14.5
45678	503	.410	.430	-4.7	46427	502	115.000	105.000	9.5	47367	501	.560	.590	-5.1
45771	501	.560	.600	-6.7	46427	503	102.000	90.700	12.5	47367	502	.600	.630	-4.8
45771	502	.540	.570	-5.3	46603	501	6.270	5.890	6.5	47367	503	.380	.400	-5.0
45771	503	.460	.490	-6.1	46603	502	7.230	6.620	9.2	47420	501	3.590	3.300	8.8
45819	501	.182	.194	-6.2	46603	503	6.390	5.700	12.1	47420	502	3.730	3.340	11.7
45819	502	.176	.185	-4.9	46604	501	7.230	6.790	6.5	47420	503	3.990	3.470	15.0
45819	503	.151	.159	-5.0	46604	502	8.350	7.640	9.3	47469	501	11.300	10.500	7.6
45900	501	.340	.320	6.3	46604	503	7.380	6.570	12.3	47469	502	8.640	7.870	9.8
45900	502	.430	.400	7.5	46606	501	19.300	18.100	6.6	47469	503	6.180	5.480	12.8
45900	503	.233	.212	9.9	46606	502	22.300	20.400	9.3	47471	501	9.760	9.130	6.9
45901	501	.290	.280	3.6	46606	503	19.700	17.500	12.6	47471	502	7.480	6.820	9.7
45901	502	.370	.340	8.8	46607	501	26.500	24.900	6.4	47471	503	5.350	4.750	12.6
45901	503	.200	.181	10.5	46607	502	30.600	28.000	9.3	47473	501	12.800	11.900	7.6
45937	501	.390	.360	8.3	46607	503	27.000	24.100	12.0	47473	502	9.790	8.920	9.8
45937	502	.270	.249	8.4	46622	501	23.900	25.100	-4.8	47473	503	7.000	6.210	12.7
45937	503	.234	.209	12.0	46622	502	25.600	26.800	-4.5	47474	501	14.300	13.300	7.5
46004	501	71.300	66.700	6.9	46622	503	16.300	17.000	-4.1	47474	502	10.900	9.960	9.4
46004	502	54.700	49.800	9.8	46700	501	345.000	323.000	6.8	47474	503	7.820	6.940	12.7

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LOSS COST % CHANGE BY CLASS

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47475	501	11.300	10.500	7.6	48637	503	19.000	16.500	15.2	49333	502	14.900	13.700	8.8
47475	502	8.640	7.870	9.8	48638	501	8.490	7.800	8.8	49333	503	12.900	11.500	12.2
47475	503	6.180	5.480	12.8	48638	502	8.820	7.890	11.8	49617	501	.340	.330	3.0
47476	501	11.300	10.500	7.6	48638	503	9.430	8.210	14.9	49617	502	.640	.590	8.5
47476	502	8.640	7.870	9.8	48808	501	5.010	4.790	4.6	49617	503	.540	.490	10.2
47476	503	6.180	5.480	12.8	48808	502	6.350	5.920	7.3	49618	501	.290	.280	3.6
47477	501	15.000	14.000	7.1	48808	503	3.440	3.120	10.3	49618	502	.540	.500	8.0
47477	502	11.500	10.500	9.5	48925	501	409.000	376.000	8.8	49618	503	.450	.410	9.8
47477	503	8.240	7.310	12.7	48925	502	425.000	381.000	11.5	49619	501	.540	.520	3.8
47478	501	15.800	14.800	6.8	48925	503	455.000	396.000	14.9	49619	502	1.010	.940	7.4
47478	502	12.100	11.000	10.0	49005	501	.380	.400	-5.0	49619	503	.850	.770	10.4
47478	503	8.650	7.670	12.8	49005	502	.410	.430	-4.7	49763	501	3.540	3.380	4.7
48039	501	122.000	114.000	7.0	49005	503	.260	.270	-3.7	49763	502	6.570	6.100	7.7
48039	502	85.200	78.000	9.2	49111	501	7.650	7.320	4.5	49763	503	5.520	4.980	10.8
48039	503	73.400	65.600	11.9	49111	502	9.710	9.050	7.3	49801	501	333.000	313.000	6.4
48206	501	53.300	49.000	8.8	49111	503	5.270	4.770	10.5	49801	502	233.000	214.000	8.9
48206	502	55.400	49.600	11.7	49181	501	39.700	37.200	6.7	49801	503	201.000	180.000	11.7
48206	503	59.200	51.600	14.7	49181	502	27.800	25.500	9.0	49802	501	29.500	27.700	6.5
48441	501	.224	.206	8.7	49181	503	24.000	21.400	12.1	49802	502	20.700	19.000	8.9
48441	502	.233	.208	12.0	49183	501	48.400	45.400	6.6	49802	503	17.800	15.900	11.9
48441	503	.249	.217	14.7	49183	502	33.900	31.100	9.0	49803	501	52.300	49.100	6.5
48557	501	22.400	20.600	8.7	49183	503	29.300	26.100	12.3	49803	502	36.600	33.600	8.9
48557	502	23.300	20.800	12.0	49184	501	102.000	95.800	6.5	49803	503	31.600	28.200	12.1
48557	503	24.900	21.700	14.7	49184	502	71.600	65.600	9.1	49840	501	2.300	2.420	-5.0
48558	501	19.500	17.900	8.9	49184	503	61.700	55.100	12.0	49840	502	2.470	2.580	-4.3
48558	502	20.200	18.100	11.6	49185	501	93.000	87.200	6.7	49840	503	1.570	1.640	-4.3
48558	503	21.600	18.800	14.9	49185	502	65.100	59.700	9.0	49870	501	171.000	157.000	8.9
48600	501	149.000	140.000	6.4	49185	503	56.200	50.200	12.0	49870	502	178.000	159.000	11.9
48600	502	173.000	158.000	9.5	49239	501	.270	.290	-6.9	49870	503	190.000	166.000	14.5
48600	503	152.000	136.000	11.8	49239	502	.270	.280	-3.6	50010	501	.300	.330	-9.1
48636	501	2.450	2.700	-9.3	49239	503	.228	.240	-5.0	50010	502	.340	.360	-5.6
48636	502	1.940	2.130	-8.9	49292	501	2.910	2.730	6.6	50010	503	.390	.420	-7.1
48636	503	2.830	3.120	-9.3	49292	502	2.040	1.870	9.1	50015	501	.197	.213	-7.5
48637	501	17.100	15.700	8.9	49292	503	1.760	1.570	12.1	50015	502	.223	.237	-5.9
48637	502	17.800	15.900	11.9	49333	501	21.300	20.000	6.5	50015	503	.250	.270	-7.4

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50017	501	.150	.162	-7.4	51221	503	.320	.360	-11.1	51300	502	.125	.134	-6.7
50017	502	.170	.180	-5.6	51222	501	.340	.380	-10.5	51300	503	.150	.160	-6.2
50017	503	.193	.207	-6.8	51222	502	.270	.300	-10.0	51305	501	.117	.125	-6.4
50045	501	.340	.370	-8.1	51222	503	.390	.430	-9.3	51305	502	.125	.134	-6.7
50045	502	.390	.410	-4.9	51224	501	.360	.390	-7.7	51305	503	.150	.160	-6.2
50045	503	.440	.470	-6.4	51224	502	.280	.310	-9.7	51315	501	.178	.190	-6.3
50047	501	.039	.042	-7.1	51224	503	.410	.450	-8.9	51315	502	.172	.182	-5.5
50047	502	.044	.046	-4.3	51230	501	.061	.067	-9.0	51315	503	.148	.156	-5.1
50047	503	.050	.053	-5.7	51230	502	.048	.053	-9.4	51330	501	.150	.165	-9.1
51001	501	.084	.093	-9.7	51230	503	.070	.077	-9.1	51330	502	.118	.130	-9.2
51001	502	.066	.073	-9.6	51240	501	.620	.670	-7.5	51330	503	.173	.190	-8.9
51001	503	.097	.107	-9.3	51240	502	.700	.750	-6.7	51333	501	.049	.054	-9.3
51005	501	.017	.019	-10.5	51240	503	.800	.860	-7.0	51333	502	.039	.043	-9.3
51005	502	.014	.015	-6.7	51241	501	1.850	2.000	-7.5	51333	503	.057	.062	-8.1
51005	503	.020	.022	-9.1	51241	502	2.090	2.230	-6.3	51340	501	.051	.055	-7.3
51116	501	.213	.235	-9.4	51241	503	2.380	2.550	-6.7	51340	502	.058	.062	-6.5
51116	502	.168	.184	-8.7	51250	501	.390	.430	-9.3	51340	503	.066	.071	-7.0
51116	503	.246	.270	-8.9	51250	502	.310	.340	-8.8	51350	501	.197	.211	-6.6
51201	501	.052	.056	-7.1	51250	503	.450	.490	-8.2	51350	502	.211	.225	-6.2
51201	502	.059	.062	-4.8	51251	501	.054	.058	-6.9	51350	503	.250	.270	-7.4
51201	503	.067	.072	-6.9	51251	502	.061	.064	-4.7	51351	501	.176	.189	-6.9
51205	501	.158	.171	-7.6	51251	503	.069	.074	-6.8	51351	502	.189	.202	-6.4
51205	502	.179	.190	-5.8	51252	501	.188	.203	-7.4	51351	503	.226	.241	-6.2
51205	503	.203	.218	-6.9	51252	502	.213	.226	-5.8	51352	501	.242	.260	-6.9
51206	501	.025	.027	-7.4	51252	503	.242	.260	-6.9	51352	502	.260	.280	-7.1
51206	502	.028	.030	-6.7	51253	501	.160	.173	-7.5	51352	503	.310	.330	-6.1
51206	503	.032	.034	-5.9	51253	502	.181	.193	-6.2	51355	501	.165	.176	-6.2
51210	501	.147	.162	-9.3	51253	503	.206	.221	-6.8	51355	502	.177	.189	-6.3
51210	502	.116	.128	-9.4	51254	501	.050	.054	-7.4	51355	503	.212	.225	-5.8
51210	503	.170	.187	-9.1	51254	502	.057	.060	-5.0	51356	501	.178	.190	-6.3
51220	501	.510	.560	-8.9	51254	503	.064	.069	-7.2	51356	502	.190	.203	-6.4
51220	502	.400	.440	-9.1	51255	501	.980	1.090	-10.1	51356	503	.228	.243	-6.2
51220	503	.580	.640	-9.4	51255	502	.780	.850	-8.2	51357	501	.250	.270	-7.4
51221	501	.280	.310	-9.7	51255	503	1.140	1.250	-8.8	51357	502	.245	.260	-5.8
51221	502	.221	.243	-9.1	51300	501	.117	.125	-6.4	51357	503	.210	.222	-5.4

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51358	501	.610	.650	-6.2	51552	503	.110	.118	-6.8	51741	502	.370	.390	-5.1
51358	502	.590	.620	-4.8	51553	501	.153	.165	-7.3	51741	503	.420	.450	-6.7
51358	503	.510	.530	-3.8	51553	502	.172	.183	-6.0	51752	501	.270	.300	-10.0
51359	501	.540	.570	-5.3	51553	503	.196	.210	-6.7	51752	502	.310	.330	-6.1
51359	502	.520	.540	-3.7	51554	501	.014	.016	-12.5	51752	503	.350	.380	-7.9
51359	503	.440	.470	-6.4	51554	502	.016	.017	-5.9	51767	501	.024	.026	-7.7
51370	501	.610	.660	-7.6	51554	503	.019	.020	-5.0	51767	502	.026	.028	-7.1
51370	502	.690	.730	-5.5	51575	501	.053	.057	-7.0	51767	503	.031	.033	-6.1
51370	503	.780	.840	-7.1	51575	502	.057	.060	-5.0	51777	501	.085	.091	-6.6
51380	501	.061	.066	-7.6	51575	503	.068	.072	-5.6	51777	502	.091	.097	-6.2
51380	502	.069	.073	-5.5	51576	501	.270	.300	-10.0	51777	503	.109	.116	-6.0
51380	503	.078	.084	-7.1	51576	502	.310	.330	-6.1	51790	501	.142	.152	-6.6
51400	501	.350	.390	-10.3	51576	503	.350	.380	-7.9	51790	502	.152	.162	-6.2
51400	502	.280	.300	-6.7	51600	501	.186	.202	-7.9	51790	503	.182	.193	-5.7
51400	503	.410	.450	-8.9	51600	502	.211	.224	-5.8	51796	501	.118	.128	-7.8
51401	501	.520	.570	-8.8	51600	503	.240	.260	-7.7	51796	502	.134	.142	-5.6
51401	502	.410	.450	-8.9	51613	501	.123	.133	-7.5	51796	503	.152	.163	-6.7
51401	503	.600	.660	-9.1	51613	502	.139	.148	-6.1	51808	501	.420	.450	-6.7
51500	501	.115	.125	-8.0	51613	503	.158	.170	-7.1	51808	502	.470	.500	-6.0
51500	502	.130	.138	-5.8	51625	501	.077	.085	-9.4	51808	503	.540	.580	-6.9
51500	503	.148	.159	-6.9	51625	502	.061	.067	-9.0	51809	501	.520	.560	-7.1
51516	501	.167	.176	-5.1	51625	503	.089	.098	-9.2	51809	502	.590	.630	-6.3
51516	502	.180	.188	-4.3	51666	501	.084	.090	-6.7	51809	503	.670	.720	-6.9
51516	503	.114	.120	-5.0	51666	502	.090	.096	-6.2	51833	501	.127	.136	-6.6
51517	501	.190	.200	-5.0	51666	503	.107	.114	-6.1	51833	502	.137	.146	-6.2
51517	502	.204	.213	-4.2	51702	501	.232	.260	-10.8	51833	503	.164	.174	-5.7
51517	503	.130	.135	-3.7	51702	502	.183	.201	-9.0	51850	501	.360	.400	-10.0
51550	501	.142	.154	-7.8	51702	503	.270	.290	-6.9	51850	502	.290	.310	-6.5
51550	502	.161	.171	-5.8	51703	501	.096	.106	-9.4	51850	503	.420	.460	-8.7
51550	503	.183	.196	-6.6	51703	502	.076	.083	-8.4	51851	501	.246	.270	-8.9
51551	501	.049	.053	-7.5	51703	503	.111	.122	-9.0	51851	502	.194	.213	-8.9
51551	502	.056	.059	-5.1	51734	501	.180	.198	-9.1	51851	503	.280	.310	-9.7
51551	503	.064	.068	-5.9	51734	502	.142	.156	-9.0	51852	501	.580	.630	-7.9
51552	501	.086	.093	-7.5	51734	503	.208	.229	-9.2	51852	502	.450	.500	-10.0
51552	502	.097	.103	-5.8	51741	501	.320	.350	-8.6	51852	503	.660	.730	-9.6

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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
51853	501	.232	.260	-10.8	51919	503	.168	.180	-6.7	51982	502	.087	.093	-6.5
51853	502	.183	.201	-9.0	51926	501	.133	.143	-7.0	51982	503	.099	.106	-6.6
51853	503	.270	.290	-6.9	51926	502	.150	.159	-5.7	51985	501	.156	.165	-5.5
51854	501	.520	.570	-8.8	51926	503	.171	.183	-6.6	51985	502	.168	.175	-4.0
51854	502	.410	.450	-8.9	51927	501	.072	.078	-7.7	51985	503	.107	.112	-4.5
51854	503	.600	.660	-9.1	51927	502	.081	.086	-5.8	51986	501	.300	.330	-9.1
51855	501	.550	.600	-8.3	51927	503	.092	.099	-7.1	51986	502	.340	.360	-5.6
51855	502	.430	.470	-8.5	51934	501	.145	.157	-7.6	51986	503	.390	.420	-7.1
51855	503	.630	.690	-8.7	51934	502	.164	.175	-6.3	51999	501	.128	.138	-7.2
51856	501	.300	.330	-9.1	51934	503	.187	.200	-6.5	51999	502	.144	.154	-6.5
51856	502	.236	.260	-9.2	51941	501	.132	.143	-7.7	51999	503	.164	.176	-6.8
51856	503	.350	.380	-7.9	51941	502	.149	.159	-6.3	52002	501	.112	.121	-7.4
51857	501	.510	.560	-8.9	51941	503	.170	.182	-6.6	52002	502	.127	.135	-5.9
51857	502	.400	.440	-9.1	51942	501	.211	.228	-7.5	52002	503	.144	.155	-7.1
51857	503	.590	.650	-9.2	51942	502	.238	.250	-4.8	52075	501	.290	.310	-6.5
51869	501	.139	.151	-7.9	51942	503	.270	.290	-6.9	52075	502	.225	.247	-8.9
51869	502	.157	.167	-6.0	51956	501	.570	.620	-8.1	52075	503	.330	.360	-8.3
51869	503	.179	.192	-6.8	51956	502	.640	.680	-5.9	52076	501	.340	.380	-10.5
51877	501	.780	.850	-8.2	51956	503	.730	.790	-7.6	52076	502	.270	.300	-10.0
51877	502	.890	.940	-5.3	51957	501	.500	.540	-7.4	52076	503	.400	.440	-9.1
51877	503	1.010	1.080	-6.5	51957	502	.570	.600	-5.0	52109	501	.028	.031	-9.7
51889	501	.129	.140	-7.9	51957	503	.650	.690	-5.8	52109	502	.032	.034	-5.9
51889	502	.146	.155	-5.8	51958	501	.450	.480	-6.3	52109	503	.036	.039	-7.7
51889	503	.166	.178	-6.7	51958	502	.500	.540	-7.4	52134	501	.380	.410	-7.3
51896	501	.060	.065	-7.7	51958	503	.570	.620	-8.1	52134	502	.420	.450	-6.7
51896	502	.068	.072	-5.6	51959	501	.460	.490	-6.1	52134	503	.480	.520	-7.7
51896	503	.078	.083	-6.0	51959	502	.520	.550	-5.5	52137	501	.112	.124	-9.7
51900	501	.095	.102	-6.9	51959	503	.590	.630	-6.3	52137	502	.089	.097	-8.2
51900	502	.102	.109	-6.4	51960	501	.060	.065	-7.7	52137	503	.130	.143	-9.1
51900	503	.122	.130	-6.2	51960	502	.068	.072	-5.6	52150	501	.690	.750	-8.0
51909	501	.330	.360	-8.3	51960	503	.078	.083	-6.0	52150	502	.780	.830	-6.0
51909	502	.260	.280	-7.1	51970	501	.260	.280	-7.1	52150	503	.890	.950	-6.3
51909	503	.380	.420	-9.5	51970	502	.300	.320	-6.3	52315	501	.111	.119	-6.7
51919	501	.130	.141	-7.8	51970	503	.340	.360	-5.6	52315	502	.119	.127	-6.3
51919	502	.147	.156	-5.8	51982	501	.077	.083	-7.2	52315	503	.142	.151	-6.0

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
52341	501	.070	.077	-9.1	52469	503	.076	.081	-6.2	53095	502	.110	.117	-6.0
52341	502	.055	.061	-9.8	52505	501	.290	.320	-9.4	53095	503	.125	.134	-6.7
52341	503	.081	.089	-9.0	52505	502	.330	.350	-5.7	53096	501	.135	.146	-7.5
52342	501	.204	.224	-8.9	52505	503	.380	.410	-7.3	53096	502	.153	.162	-5.6
52342	502	.160	.176	-9.1	52547	501	.330	.370	-10.8	53096	503	.174	.186	-6.5
52342	503	.235	.260	-9.6	52547	502	.260	.290	-10.3	53121	501	.380	.420	-9.5
52343	501	.124	.137	-9.5	52547	503	.380	.420	-9.5	53121	502	.430	.460	-6.5
52343	502	.098	.107	-8.4	52581	501	1.430	1.550	-7.7	53121	503	.490	.530	-7.5
52343	503	.143	.158	-9.5	52581	502	1.620	1.720	-5.8	53147	501	.051	.057	-10.5
52401	501	.380	.420	-9.5	52581	503	1.840	1.980	-7.1	53147	502	.041	.045	-8.9
52401	502	.300	.330	-9.1	52619	501	.101	.109	-7.3	53147	503	.059	.065	-9.2
52401	503	.440	.490	-10.2	52619	502	.114	.121	-5.8	53229	501	.290	.320	-9.4
52402	501	.028	.031	-9.7	52619	503	.130	.139	-6.5	53229	502	.227	.249	-8.8
52402	502	.032	.034	-5.9	52660	501	.199	.209	-4.8	53229	503	.330	.370	-10.8
52402	503	.036	.039	-7.7	52660	502	.213	.223	-4.5	53271	501	.072	.078	-7.7
52432	501	.141	.152	-7.2	52660	503	.136	.142	-4.2	53271	502	.082	.087	-5.7
52432	502	.159	.169	-5.9	52744	501	.490	.520	-5.8	53271	503	.093	.100	-7.0
52432	503	.181	.194	-6.7	52744	502	.520	.560	-7.1	53333	501	.280	.310	-9.7
52433	501	.128	.139	-7.9	52744	503	.630	.670	-6.0	53333	502	.223	.245	-9.0
52433	502	.145	.154	-5.8	52767	501	.300	.340	-11.8	53333	503	.330	.360	-8.3
52433	503	.165	.177	-6.8	52767	502	.240	.260	-7.7	53374	501	.129	.138	-6.5
52435	501	.161	.174	-7.5	52767	503	.350	.390	-10.3	53374	502	.138	.147	-6.1
52435	502	.182	.193	-5.7	52911	501	.080	.087	-8.0	53374	503	.165	.176	-6.2
52435	503	.207	.222	-6.8	52911	502	.091	.096	-5.2	53375	501	.068	.073	-6.8
52438	501	.116	.126	-7.9	52911	503	.103	.111	-7.2	53375	502	.073	.078	-6.4
52438	502	.132	.140	-5.7	52967	501	.030	.033	-9.1	53375	503	.088	.093	-5.4
52438	503	.150	.160	-6.2	52967	502	.034	.036	-5.6	53376	501	.109	.117	-6.8
52440	501	.183	.198	-7.6	52967	503	.039	.042	-7.1	53376	502	.117	.125	-6.4
52440	502	.206	.219	-5.9	53001	501	.290	.320	-9.4	53376	503	.140	.149	-6.0
52440	503	.235	.250	-6.0	53001	502	.330	.350	-5.7	53377	501	.112	.120	-6.7
52467	501	.169	.183	-7.7	53001	503	.380	.410	-7.3	53377	502	.120	.128	-6.2
52467	502	.191	.203	-5.9	53077	501	.142	.153	-7.2	53377	503	.144	.153	-5.9
52467	503	.217	.233	-6.9	53077	502	.160	.170	-5.9	53403	501	.071	.076	-6.6
52469	501	.059	.064	-7.8	53077	503	.182	.195	-6.7	53403	502	.076	.081	-6.2
52469	502	.067	.071	-5.6	53095	501	.097	.105	-7.6	53403	503	.091	.097	-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
53425	501	.270	.290	-6.9	54077	503	.248	.270	-8.1	55715	502	.340	.360	-5.6
53425	502	.210	.231	-9.1	55010	501	.580	.630	-7.9	55715	503	.390	.420	-7.1
53425	503	.310	.340	-8.8	55010	502	.660	.700	-5.7	55716	501	.440	.470	-6.4
53565	501	.082	.088	-6.8	55010	503	.750	.800	-6.3	55716	502	.490	.520	-5.8
53565	502	.088	.094	-6.4	55011	501	.157	.170	-7.6	55716	503	.560	.600	-6.7
53565	503	.106	.113	-6.2	55011	502	.178	.189	-5.8	55717	501	.390	.430	-9.3
53631	501	.045	.048	-6.3	55011	503	.202	.217	-6.9	55717	502	.300	.330	-9.1
53631	502	.050	.054	-7.4	55012	501	.188	.203	-7.4	55717	503	.450	.490	-8.2
53631	503	.057	.062	-8.1	55012	502	.212	.225	-5.8	55718	501	.370	.410	-9.8
53632	501	.051	.055	-7.3	55012	503	.241	.260	-7.3	55718	502	.300	.320	-6.3
53632	502	.058	.062	-6.5	55013	501	.241	.270	-10.7	55718	503	.430	.480	-10.4
53632	503	.066	.071	-7.0	55013	502	.190	.209	-9.1	55802	501	.085	.091	-6.6
53731	501	.047	.051	-7.8	55013	503	.280	.310	-9.7	55802	502	.091	.097	-6.2
53731	502	.053	.057	-7.0	55214	501	.152	.164	-7.3	55802	503	.109	.116	-6.0
53731	503	.060	.065	-7.7	55214	502	.172	.183	-6.0	55918	501	.172	.187	-8.0
53732	501	.320	.350	-8.6	55214	503	.195	.210	-7.1	55918	502	.195	.207	-5.8
53732	502	.360	.390	-7.7	55371	501	.330	.350	-5.7	55918	503	.222	.238	-6.7
53732	503	.410	.440	-6.8	55371	502	.350	.380	-7.9	55919	501	.024	.025	-4.0
53733	501	.209	.226	-7.5	55371	503	.420	.450	-6.7	55919	502	.027	.028	-3.6
53733	502	.236	.250	-5.6	55426	501	.290	.320	-9.4	55919	503	.030	.032	-6.3
53733	503	.270	.290	-6.9	55426	502	.231	.250	-7.6	56040	501	.016	.018	-11.1
53734	501	1.000	1.060	-5.7	55426	503	.340	.370	-8.1	56040	502	.018	.020	-10.0
53734	502	1.080	1.130	-4.4	55597	501	.038	.041	-7.3	56040	503	.021	.022	-4.5
53734	503	.690	.720	-4.2	55597	502	.043	.046	-6.5	56041	501	.107	.116	-7.8
53803	501	.640	.700	-8.6	55597	503	.049	.052	-5.8	56041	502	.121	.129	-6.2
53803	502	.500	.550	-9.1	55647	501	.076	.082	-7.3	56041	503	.138	.148	-6.8
53803	503	.730	.810	-9.9	55647	502	.086	.091	-5.5	56042	501	.135	.146	-7.5
53907	501	.141	.153	-7.8	55647	503	.098	.105	-6.7	56042	502	.153	.162	-5.6
53907	502	.159	.170	-6.5	55648	501	.034	.037	-8.1	56042	503	.174	.186	-6.5
53907	503	.181	.195	-7.2	55648	502	.039	.041	-4.9	56170	501	.260	.290	-10.3
54012	501	.100	.106	-5.7	55648	503	.044	.047	-6.4	56170	502	.207	.227	-8.8
54012	502	.108	.113	-4.4	55649	501	.041	.044	-6.8	56170	503	.300	.330	-9.1
54012	503	.069	.072	-4.2	55649	502	.046	.049	-6.1	56171	501	.129	.142	-9.2
54077	501	.193	.209	-7.7	55649	503	.053	.057	-7.0	56171	502	.101	.111	-9.0
54077	502	.218	.232	-6.0	55715	501	.300	.330	-9.1	56171	503	.149	.163	-8.6

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LOSS COST % CHANGE BY CLASS

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56202	501	.107	.116	-7.8	56690	503	.094	.100	-6.0	56912	502	.149	.164	-9.1
56202	502	.121	.129	-6.2	56699	501	.119	.129	-7.8	56912	503	.219	.241	-9.1
56202	503	.138	.148	-6.8	56699	502	.135	.143	-5.6	56913	501	.154	.170	-9.4
56390	501	.188	.203	-7.4	56699	503	.154	.165	-6.7	56913	502	.122	.134	-9.0
56390	502	.212	.225	-5.8	56758	501	.101	.110	-8.2	56913	503	.178	.196	-9.2
56390	503	.241	.260	-7.3	56758	502	.114	.122	-6.6	56915	501	.910	1.010	-9.9
56391	501	.161	.174	-7.5	56758	503	.130	.140	-7.1	56915	502	.720	.790	-8.9
56391	502	.182	.193	-5.7	56759	501	.104	.112	-7.1	56915	503	1.060	1.160	-8.6
56391	503	.207	.222	-6.8	56759	502	.117	.125	-6.4	56916	501	.830	.910	-8.8
56427	501	.260	.280	-7.1	56759	503	.133	.143	-7.0	56916	502	.650	.720	-9.7
56427	502	.290	.310	-6.5	56760	501	.149	.161	-7.5	56916	503	.950	1.050	-9.5
56427	503	.330	.360	-8.3	56760	502	.168	.179	-6.1	56917	501	.239	.260	-8.1
56488	501	.142	.152	-6.6	56760	503	.192	.205	-6.3	56917	502	.188	.207	-9.2
56488	502	.152	.162	-6.2	56805	501	.196	.212	-7.5	56917	503	.280	.300	-6.7
56488	503	.182	.193	-5.7	56805	502	.221	.235	-6.0	56918	501	.115	.126	-8.7
56567	501	.270	.300	-10.0	56805	503	.250	.270	-7.4	56918	502	.090	.099	-9.1
56567	502	.214	.235	-8.9	56806	501	.139	.150	-7.3	56918	503	.132	.146	-9.6
56567	503	.310	.340	-8.8	56806	502	.157	.167	-6.0	56919	501	.290	.320	-9.4
56650	501	.830	.920	-9.8	56806	503	.178	.191	-6.8	56919	502	.231	.250	-7.6
56650	502	.650	.720	-9.7	56807	501	.137	.149	-8.1	56919	503	.340	.370	-8.1
56650	503	.960	1.060	-9.4	56807	502	.155	.165	-6.1	56920	501	.270	.290	-6.9
56651	501	.450	.500	-10.0	56807	503	.177	.190	-6.8	56920	502	.210	.231	-9.1
56651	502	.360	.390	-7.7	56808	501	.180	.194	-7.2	56920	503	.310	.340	-8.8
56651	503	.520	.570	-8.8	56808	502	.203	.216	-6.0	56980	501	.150	.162	-7.4
56652	501	.320	.360	-11.1	56808	503	.231	.248	-6.9	56980	502	.169	.180	-6.1
56652	502	.250	.280	-10.7	56900	501	.172	.187	-8.0	56980	503	.192	.206	-6.8
56652	503	.370	.410	-9.8	56900	502	.195	.207	-5.8	57001	501	.051	.055	-7.3
56653	501	.310	.340	-8.8	56900	503	.222	.238	-6.7	57001	502	.058	.062	-6.5
56653	502	.245	.270	-9.3	56910	501	.086	.093	-7.5	57001	503	.066	.071	-7.0
56653	503	.360	.400	-10.0	56910	502	.097	.104	-6.7	57002	501	.033	.036	-8.3
56654	501	.159	.175	-9.1	56910	503	.111	.119	-6.7	57002	502	.037	.040	-7.5
56654	502	.125	.138	-9.4	56911	501	.234	.260	-10.0	57002	503	.043	.046	-6.5
56654	503	.184	.202	-8.9	56911	502	.184	.203	-9.4	57090	501	.430	.470	-8.5
56690	501	.073	.079	-7.6	56911	503	.270	.300	-10.0	57090	502	.340	.370	-8.1
56690	502	.079	.084	-6.0	56912	501	.189	.209	-9.6	57090	503	.490	.540	-9.3

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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
57146	501	.270	.300	-10.0	57651	503	.109	.116	-6.0	57997	502	.240	.250	-4.0
57146	502	.214	.235	-8.9	57690	501	.182	.201	-9.5	57997	503	.152	.159	-4.4
57146	503	.310	.340	-8.8	57690	502	.144	.158	-8.9	57998	501	.092	.099	-7.1
57202	501	.133	.143	-7.0	57690	503	.211	.232	-9.1	57998	502	.104	.110	-5.5
57202	502	.150	.159	-5.7	57716	501	.087	.095	-8.4	57998	503	.118	.126	-6.3
57202	503	.171	.183	-6.6	57716	502	.068	.075	-9.3	57999	501	.119	.131	-9.2
57257	501	.165	.178	-7.3	57716	503	.100	.110	-9.1	57999	502	.094	.103	-8.7
57257	502	.186	.198	-6.1	57725	501	.189	.209	-9.6	57999	503	.138	.152	-9.2
57257	503	.212	.227	-6.6	57725	502	.149	.164	-9.1	58009	501	.119	.131	-9.2
57401	501	.093	.101	-7.9	57725	503	.219	.241	-9.1	58009	502	.094	.103	-8.7
57401	502	.106	.112	-5.4	57726	501	.147	.162	-9.3	58009	503	.138	.152	-9.2
57401	503	.120	.129	-7.0	57726	502	.116	.128	-9.4	58010	501	.213	.230	-7.4
57403	501	.174	.186	-6.5	57726	503	.170	.187	-9.1	58010	502	.241	.260	-7.3
57403	502	.186	.199	-6.5	57798	501	.043	.046	-6.5	58010	503	.270	.290	-6.9
57403	503	.223	.237	-5.9	57798	502	.048	.051	-5.9	58020	501	.187	.200	-6.5
57410	501	.045	.049	-8.2	57798	503	.055	.059	-6.8	58020	502	.200	.214	-6.5
57410	502	.051	.054	-5.6	57800	501	.160	.173	-7.5	58020	503	.240	.250	-4.0
57410	503	.058	.062	-6.5	57800	502	.181	.192	-5.7	58056	501	.250	.270	-7.4
57411	501	.066	.072	-8.3	57800	503	.206	.220	-6.4	58056	502	.290	.300	-3.3
57411	502	.052	.057	-8.8	57808	501	.073	.080	-8.7	58056	503	.330	.350	-5.7
57411	503	.076	.083	-8.4	57808	502	.057	.063	-9.5	58057	501	.160	.173	-7.5
57572	501	.027	.029	-6.9	57808	503	.084	.092	-8.7	58057	502	.181	.192	-5.7
57572	502	.030	.032	-6.3	57809	501	.075	.082	-8.5	58057	503	.206	.220	-6.4
57572	503	.034	.037	-8.1	57809	502	.059	.065	-9.2	58058	501	.144	.155	-7.1
57600	501	.079	.085	-7.1	57809	503	.086	.095	-9.5	58058	502	.162	.172	-5.8
57600	502	.089	.095	-6.3	57810	501	.073	.080	-8.7	58058	503	.185	.198	-6.6
57600	503	.102	.109	-6.4	57810	502	.057	.063	-9.5	58095	501	.202	.218	-7.3
57611	501	.140	.155	-9.7	57810	503	.084	.092	-8.7	58095	502	.228	.243	-6.2
57611	502	.111	.122	-9.0	57871	501	.087	.095	-8.4	58095	503	.260	.280	-7.1
57611	503	.162	.178	-9.0	57871	502	.068	.075	-9.3	58096	501	.270	.290	-6.9
57625	501	.690	.750	-8.0	57871	503	.100	.110	-9.1	58096	502	.300	.320	-6.3
57625	502	.780	.830	-6.0	57913	501	.207	.224	-7.6	58096	503	.350	.370	-5.4
57625	503	.890	.960	-7.3	57913	502	.234	.248	-5.6	58301	501	.091	.101	-9.9
57651	501	.084	.091	-7.7	57913	503	.270	.290	-6.9	58301	502	.072	.079	-8.9
57651	502	.095	.101	-5.9	57997	501	.223	.235	-5.1	58301	503	.105	.116	-9.5

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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
58302	501	.072	.078	-7.7	58560	503	.092	.098	-6.1	58822	502	.280	.300	-6.7
58302	502	.082	.087	-5.7	58575	501	.092	.099	-7.1	58822	503	.320	.340	-5.9
58302	503	.093	.100	-7.0	58575	502	.104	.110	-5.5	58837	501	.550	.610	-9.8
58397	501	.420	.450	-6.7	58575	503	.118	.126	-6.3	58837	502	.440	.480	-8.3
58397	502	.470	.500	-6.0	58627	501	.290	.320	-9.4	58837	503	.640	.700	-8.6
58397	503	.540	.580	-6.9	58627	502	.330	.350	-5.7	58840	501	.166	.183	-9.3
58408	501	.132	.139	-5.0	58627	503	.380	.410	-7.3	58840	502	.131	.144	-9.0
58408	502	.141	.148	-4.7	58663	501	.600	.660	-9.1	58840	503	.192	.211	-9.0
58408	503	.090	.094	-4.3	58663	502	.470	.520	-9.6	58873	501	.260	.290	-10.3
58409	501	.167	.176	-5.1	58663	503	.690	.760	-9.2	58873	502	.208	.229	-9.2
58409	502	.180	.188	-4.3	58682	501	.260	.280	-7.1	58873	503	.310	.340	-8.8
58409	503	.114	.120	-5.0	58682	502	.300	.310	-3.2	58903	501	.057	.061	-6.6
58456	501	.089	.094	-5.3	58682	503	.340	.360	-5.6	58903	502	.064	.068	-5.9
58456	502	.096	.100	-4.0	58713	501	.054	.058	-6.9	58903	503	.073	.078	-6.4
58456	503	.061	.064	-4.7	58713	502	.058	.062	-6.5	58904	501	.043	.047	-8.5
58457	501	.129	.136	-5.1	58713	503	.069	.074	-6.8	58904	502	.049	.052	-5.8
58457	502	.139	.145	-4.1	58737	501	.190	.205	-7.3	58904	503	.056	.060	-6.7
58457	503	.088	.092	-4.3	58737	502	.215	.228	-5.7	58922	501	.440	.480	-8.3
58458	501	.167	.176	-5.1	58737	503	.244	.260	-6.2	58922	502	.350	.380	-7.9
58458	502	.180	.188	-4.3	58756	501	.112	.124	-9.7	58922	503	.510	.560	-8.9
58458	503	.114	.120	-5.0	58756	502	.089	.097	-8.2	59005	501	.107	.116	-7.8
58459	501	.201	.212	-5.2	58756	503	.130	.143	-9.1	59005	502	.121	.129	-6.2
58459	502	.216	.225	-4.0	58757	501	.640	.690	-7.2	59005	503	.138	.148	-6.8
58459	503	.137	.143	-4.2	58757	502	.720	.770	-6.5	59057	501	.790	.860	-8.1
58503	501	.112	.121	-7.4	58757	503	.820	.880	-6.8	59057	502	.900	.950	-5.3
58503	502	.127	.135	-5.9	58759	501	.079	.085	-7.1	59057	503	1.020	1.100	-7.3
58503	503	.144	.155	-7.1	58759	502	.089	.095	-6.3	59058	501	.510	.560	-8.9
58532	501	.145	.157	-7.6	58759	503	.102	.109	-6.4	59058	502	.580	.620	-6.5
58532	502	.164	.174	-5.7	58802	501	.090	.097	-7.2	59058	503	.660	.710	-7.0
58532	503	.186	.200	-7.0	58802	502	.102	.108	-5.6	59188	501	.370	.400	-7.5
58559	501	.030	.032	-6.3	58802	503	.116	.124	-6.5	59188	502	.400	.420	-4.8
58559	502	.033	.035	-5.7	58813	501	.280	.300	-6.7	59188	503	.480	.510	-5.9
58559	503	.038	.041	-7.3	58813	502	.218	.239	-8.8	59189	501	.510	.540	-5.6
58560	501	.071	.077	-7.8	58813	503	.320	.350	-8.6	59189	502	.540	.580	-6.9
58560	502	.080	.085	-5.9	58822	501	.247	.270	-8.5	59189	503	.650	.690	-5.8

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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
59223	501	.270	.300	-10.0	59693	503	.036	.038	-5.3	59774	502	.019	.021	-9.5
59223	502	.216	.237	-8.9	59701	501	.013	.014	-7.1	59774	503	.023	.025	-8.0
59223	503	.320	.350	-8.6	59701	502	.015	.016	-6.3	59775	501	.023	.025	-8.0
59257	501	.029	.031	-6.5	59701	503	.017	.018	-5.6	59775	502	.025	.027	-7.4
59257	502	.033	.035	-5.7	59713	501	.300	.330	-9.1	59775	503	.030	.032	-6.3
59257	503	.037	.040	-7.5	59713	502	.340	.360	-5.6	59781	501	.124	.137	-9.5
59306	501	.182	.196	-7.1	59713	503	.390	.420	-7.1	59781	502	.098	.107	-8.4
59306	502	.205	.218	-6.0	59722	501	.157	.170	-7.6	59781	503	.143	.158	-9.5
59306	503	.233	.250	-6.8	59722	502	.177	.188	-5.9	59782	501	.185	.204	-9.3
59378	501	.178	.196	-9.2	59722	503	.202	.216	-6.5	59782	502	.146	.160	-8.8
59378	502	.140	.154	-9.1	59723	501	.059	.064	-7.8	59782	503	.213	.235	-9.4
59378	503	.205	.226	-9.3	59723	502	.067	.071	-5.6	59783	501	.180	.198	-9.1
59481	501	.490	.530	-7.5	59723	503	.076	.081	-6.2	59783	502	.142	.156	-9.0
59481	502	.550	.590	-6.8	59724	501	.090	.098	-8.2	59783	503	.208	.229	-9.2
59481	503	.630	.670	-6.0	59724	502	.102	.109	-6.4	59784	501	.138	.152	-9.2
59482	501	.390	.410	-4.9	59724	503	.116	.125	-7.2	59784	502	.109	.120	-9.2
59482	502	.410	.440	-6.8	59725	501	.113	.122	-7.4	59784	503	.159	.175	-9.1
59482	503	.500	.530	-5.7	59725	502	.127	.135	-5.9	59790	501	.202	.218	-7.3
59537	501	.192	.211	-9.0	59725	503	.145	.155	-6.5	59790	502	.228	.243	-6.2
59537	502	.151	.166	-9.0	59726	501	.082	.089	-7.9	59790	503	.260	.280	-7.1
59537	503	.222	.244	-9.0	59726	502	.093	.099	-6.1	59798	501	.470	.520	-9.6
59601	501	.184	.199	-7.5	59726	503	.105	.113	-7.1	59798	502	.370	.410	-9.8
59601	502	.208	.221	-5.9	59738	501	.260	.280	-7.1	59798	503	.540	.600	-10.0
59601	503	.237	.250	-5.2	59738	502	.300	.310	-3.2	59806	501	.340	.370	-8.1
59647	501	.172	.185	-7.0	59738	503	.340	.360	-5.6	59806	502	.270	.290	-6.9
59647	502	.185	.197	-6.1	59750	501	.143	.157	-8.9	59806	503	.390	.430	-9.3
59647	503	.221	.236	-6.4	59750	502	.113	.124	-8.9	59867	501	.227	.246	-7.7
59660	501	.340	.370	-8.1	59750	503	.165	.181	-8.8	59867	502	.260	.270	-3.7
59660	502	.380	.410	-7.3	59751	501	.051	.057	-10.5	59867	503	.290	.310	-6.5
59660	503	.440	.470	-6.4	59751	502	.041	.045	-8.9	59886	501	.031	.033	-6.1
59661	501	.166	.179	-7.3	59751	503	.059	.065	-9.2	59886	502	.035	.037	-5.4
59661	502	.187	.199	-6.0	59773	501	.022	.023	-4.3	59886	503	.040	.042	-4.8
59661	503	.213	.229	-7.0	59773	502	.023	.025	-8.0	59889	501	.072	.077	-6.5
59693	501	.028	.030	-6.7	59773	503	.028	.030	-6.7	59889	502	.077	.083	-7.2
59693	502	.031	.033	-6.1	59774	501	.018	.019	-5.3	59889	503	.093	.098	-5.1

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LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
59892	501	.180	.198	-9.1	59932	503	.520	.560	-7.1	59986	502	.214	.227	-5.7
59892	502	.142	.156	-9.0	59941	501	.126	.136	-7.4	59986	503	.244	.260	-6.2
59892	503	.208	.229	-9.2	59941	502	.142	.151	-6.0	59988	501	.058	.064	-9.4
59904	501	.122	.134	-9.0	59941	503	.162	.174	-6.9	59988	502	.046	.051	-9.8
59904	502	.096	.105	-8.6	59947	501	.122	.134	-9.0	59988	503	.068	.074	-8.1
59904	503	.140	.155	-9.7	59947	502	.096	.105	-8.6	59989	501	.033	.036	-8.3
59905	501	.142	.154	-7.8	59947	503	.140	.155	-9.7	59989	502	.037	.040	-7.5
59905	502	.161	.171	-5.8	59955	501	.048	.052	-7.7	59989	503	.043	.046	-6.5
59905	503	.183	.196	-6.6	59955	502	.055	.058	-5.2	60010	501	67.000	63.500	5.5
59914	501	.840	.900	-6.7	59955	503	.062	.067	-7.5	60010	502	106.000	97.600	8.6
59914	502	.940	1.000	-6.0	59963	501	.360	.390	-7.7	60010	503	69.000	62.000	11.3
59914	503	1.070	1.150	-7.0	59963	502	.410	.430	-4.7	60011	501	77.000	73.100	5.3
59915	501	.400	.450	-11.1	59963	503	.460	.490	-6.1	60011	502	122.000	112.000	8.9
59915	502	.320	.350	-8.6	59964	501	.840	.910	-7.7	60011	503	79.300	71.300	11.2
59915	503	.470	.510	-7.8	59964	502	.950	1.010	-5.9	60012	501	127.000	120.000	5.8
59917	501	.075	.082	-8.5	59964	503	1.080	1.160	-6.9	60012	502	200.000	184.000	8.7
59917	502	.059	.065	-9.2	59970	501	.164	.180	-8.9	60012	503	130.000	117.000	11.1
59917	503	.086	.095	-9.5	59970	502	.129	.142	-9.2	60013	501	109.000	103.000	5.8
59923	501	.021	.022	-4.5	59970	503	.189	.208	-9.1	60013	502	171.000	158.000	8.2
59923	502	.023	.025	-8.0	59973	501	.232	.250	-7.2	60013	503	112.000	100.000	12.0
59923	503	.026	.028	-7.1	59973	502	.260	.280	-7.1	60015	501	81.100	76.900	5.5
59925	501	.550	.580	-5.2	59973	503	.300	.320	-6.3	60015	502	128.000	118.000	8.5
59925	502	.530	.560	-5.4	59975	501	.229	.250	-8.4	60015	503	83.400	75.000	11.2
59925	503	.460	.480	-4.2	59975	502	.181	.199	-9.0	60016	501	91.100	86.400	5.4
59926	501	.470	.500	-6.0	59975	503	.260	.290	-10.3	60016	502	144.000	133.000	8.3
59926	502	.450	.480	-6.3	59977	501	.131	.144	-9.0	60016	503	93.800	84.300	11.3
59926	503	.390	.410	-4.9	59977	502	.103	.113	-8.8	60035	501	89.700	84.300	6.4
59927	501	.310	.330	-6.1	59977	503	.151	.166	-9.0	60035	502	104.000	94.700	9.8
59927	502	.300	.320	-6.3	59984	501	.063	.068	-7.4	60035	503	91.500	81.500	12.3
59927	503	.260	.270	-3.7	59984	502	.072	.076	-5.3	61000	501	66.300	62.900	5.4
59931	501	.380	.410	-7.3	59984	503	.081	.087	-6.9	61000	502	105.000	96.600	8.7
59931	502	.420	.450	-6.7	59985	501	.248	.270	-8.1	61000	503	68.300	61.400	11.2
59931	503	.480	.520	-7.7	59985	502	.280	.300	-6.7	61212	501	48.200	45.300	6.4
59932	501	.400	.440	-9.1	59985	503	.320	.340	-5.9	61212	502	55.700	50.900	9.4
59932	502	.460	.490	-6.1	59986	501	.189	.205	-7.8	61212	503	49.200	43.800	12.3

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STATE: 38 - RHODE ISLAND  
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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
61216	501	53.500	50.300	6.4	62003	503	40.300	35.900	12.3	66122	502	39.500	36.200	9.1
61216	502	61.800	56.500	9.4	63010	501	121.000	114.000	6.1	66122	503	34.900	31.100	12.2
61216	503	54.600	48.600	12.3	63010	502	190.000	176.000	8.0	66123	501	18.800	17.700	6.2
61217	501	48.700	45.800	6.3	63010	503	124.000	112.000	10.7	66123	502	21.700	19.900	9.0
61217	502	56.200	51.400	9.3	63011	501	151.000	143.000	5.6	66123	503	19.200	17.100	12.3
61217	503	49.700	44.300	12.2	63011	502	238.000	220.000	8.2	66309	501	55.000	51.600	6.6
61218	501	33.300	31.300	6.4	63011	503	155.000	140.000	10.7	66309	502	63.400	58.000	9.3
61218	502	38.400	35.100	9.4	63012	501	214.000	203.000	5.4	66309	503	56.100	50.000	12.2
61218	503	33.900	30.200	12.3	63012	502	338.000	312.000	8.3	66561	501	127.000	120.000	5.8
61223	501	225.000	211.000	6.6	63012	503	221.000	198.000	11.6	66561	502	147.000	134.000	9.7
61223	502	259.000	237.000	9.3	63013	501	203.000	193.000	5.2	66561	503	130.000	116.000	12.1
61223	503	229.000	204.000	12.3	63013	502	320.000	296.000	8.1	67017	501	118.000	111.000	6.3
61224	501	79.600	74.700	6.6	63013	503	209.000	188.000	11.2	67017	502	136.000	125.000	8.8
61224	502	91.800	84.000	9.3	63215	501	131.000	123.000	6.5	67017	503	120.000	107.000	12.1
61224	503	81.100	72.300	12.2	63215	502	151.000	138.000	9.4	67508	501	90.100	84.300	6.9
61225	501	110.000	104.000	5.8	63215	503	133.000	119.000	11.8	67508	502	69.100	62.900	9.9
61225	502	127.000	117.000	8.5	63216	501	90.600	85.200	6.3	67508	503	49.400	43.800	12.8
61225	503	113.000	100.000	13.0	63216	502	105.000	95.700	9.7	67509	501	66.100	61.800	7.0
61226	501	176.000	165.000	6.7	63216	503	92.400	82.400	12.1	67509	502	50.700	46.200	9.7
61226	502	203.000	186.000	9.1	63217	501	78.000	71.700	8.8	67509	503	36.200	32.100	12.8
61226	503	179.000	160.000	11.9	63217	502	81.100	72.500	11.9	67510	501	36.800	34.400	7.0
61227	501	161.000	151.000	6.6	63217	503	86.600	75.500	14.7	67510	502	28.200	25.700	9.7
61227	502	186.000	170.000	9.4	63218	501	26.300	24.100	9.1	67510	503	20.200	17.900	12.8
61227	503	164.000	146.000	12.3	63218	502	27.300	24.400	11.9	67511	501	39.800	37.200	7.0
62000	501	36.600	34.400	6.4	63218	503	29.200	25.400	15.0	67511	502	30.500	27.800	9.7
62000	502	42.300	38.700	9.3	64074	501	68.600	69.400	-1.2	67511	503	21.800	19.400	12.4
62000	503	37.400	33.300	12.3	64074	502	12.300	12.100	1.7	67512	501	170.000	159.000	6.9
62001	501	27.500	25.800	6.6	64074	503	22.200	21.300	4.2	67512	502	131.000	119.000	10.1
62001	502	31.700	29.000	9.3	64075	501	48.300	48.900	-1.2	67512	503	93.500	82.900	12.8
62001	503	28.000	25.000	12.0	64075	502	8.640	8.520	1.4	67513	501	108.000	101.000	6.9
62002	501	12.500	11.800	5.9	64075	503	15.700	15.000	4.7	67513	502	82.900	75.500	9.8
62002	502	14.500	13.200	9.8	65007	501	79.600	74.700	6.6	67513	503	59.300	52.600	12.7
62002	503	12.800	11.400	12.3	65007	502	91.800	84.000	9.3	67634	501	102.000	96.000	6.3
62003	501	39.500	37.100	6.5	65007	503	81.100	72.300	12.2	67634	502	118.000	108.000	9.3
62003	502	45.600	41.800	9.1	66122	501	34.200	32.200	6.2	67634	503	104.000	92.900	11.9

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LOSS COST % CHANGE BY CLASS

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67635	501	72.300	67.900	6.5	90089	503	8.490	8.880	-4.4	91190	502	4.160	4.360	-4.6
67635	502	83.500	76.400	9.3	91111	501	6.240	6.600	-5.5	91190	503	4.160	4.360	-4.6
67635	503	73.800	65.700	12.3	91111	502	6.240	6.600	-5.5	91200	501	1.630	1.770	-7.9
68001	501	221.000	207.000	6.8	91111	503	6.240	6.600	-5.5	91200	502	1.630	1.770	-7.9
68001	502	255.000	233.000	9.4	91125	501	5.110	5.350	-4.5	91200	503	1.630	1.770	-7.9
68001	503	225.000	201.000	11.9	91125	502	5.110	5.350	-4.5	91235	501	4.840	5.120	-5.5
68439	501	284.000	267.000	6.4	91125	503	5.110	5.350	-4.5	91235	502	4.840	5.120	-5.5
68439	502	328.000	300.000	9.3	91127	501	4.200	4.440	-5.4	91235	503	4.840	5.120	-5.5
68439	503	290.000	258.000	12.4	91127	502	4.200	4.440	-5.4	91250	501	7.290	7.710	-5.4
68500	501	14.700	14.000	5.0	91127	503	4.200	4.440	-5.4	91250	502	7.290	7.710	-5.4
68500	502	23.300	21.500	8.4	91130	501	2.860	3.100	-7.7	91250	503	7.290	7.710	-5.4
68500	503	15.200	13.600	11.8	91130	502	2.860	3.100	-7.7	91265	501	34.900	37.900	-7.9
68604	501	5.300	4.980	6.4	91130	503	2.860	3.100	-7.7	91265	502	34.900	37.900	-7.9
68604	502	6.120	5.600	9.3	91135	501	.800	.860	-7.0	91265	503	34.900	37.900	-7.9
68604	503	5.410	4.820	12.2	91135	502	.800	.860	-7.0	91266	501	18.500	20.000	-7.5
68606	501	20.700	19.500	6.2	91135	503	.800	.860	-7.0	91266	502	18.500	20.000	-7.5
68606	502	23.900	21.900	9.1	91150	501	3.960	4.190	-5.5	91266	503	18.500	20.000	-7.5
68606	503	21.100	18.800	12.2	91150	502	3.960	4.190	-5.5	91302	501	23.200	24.700	-6.1
68607	501	16.400	15.400	6.5	91150	503	3.960	4.190	-5.5	91302	502	23.200	24.700	-6.1
68607	502	18.900	17.300	9.2	91155	501	8.800	9.310	-5.5	91302	503	23.200	24.700	-6.1
68607	503	16.700	14.900	12.1	91155	502	8.800	9.310	-5.5	91315	501	7.040	7.510	-6.3
68702	501	13.500	12.700	6.3	91155	503	8.800	9.310	-5.5	91315	502	7.040	7.510	-6.3
68702	502	15.600	14.300	9.1	91160	501	2.050	2.150	-4.7	91315	503	7.040	7.510	-6.3
68702	503	13.800	12.300	12.2	91160	502	2.050	2.150	-4.7	91324	501	15.700	16.700	-6.0
68703	501	10.100	9.510	6.2	91160	503	2.050	2.150	-4.7	91324	502	15.700	16.700	-6.0
68703	502	11.700	10.700	9.3	91175	501	1.770	1.850	-4.3	91324	503	15.700	16.700	-6.0
68703	503	10.300	9.200	12.0	91175	502	1.770	1.850	-4.3	91340	501	10.200	10.900	-6.4
68706	501	43.400	40.800	6.4	91175	503	1.770	1.850	-4.3	91340	502	10.200	10.900	-6.4
68706	502	50.100	45.800	9.4	91177	501	7.730	8.090	-4.4	91340	503	10.200	10.900	-6.4
68706	503	44.300	39.400	12.4	91177	502	7.730	8.090	-4.4	91341	501	8.860	9.280	-4.5
68707	501	42.900	40.300	6.5	91177	503	7.730	8.090	-4.4	91341	502	8.860	9.280	-4.5
68707	502	49.500	45.300	9.3	91179	501	7.760	8.120	-4.4	91341	503	8.860	9.280	-4.5
68707	503	43.800	39.000	12.3	91179	502	7.760	8.120	-4.4	91342	501	9.390	10.000	-6.1
90089	501	8.490	8.880	-4.4	91179	503	7.760	8.120	-4.4	91342	502	9.390	10.000	-6.1
90089	502	8.490	8.880	-4.4	91190	501	4.160	4.360	-4.6	91342	503	9.390	10.000	-6.1

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LOSS COST % CHANGE BY CLASS

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91343	501	1.960	2.050	-4.4	91577	503	23.400	24.500	-4.5	92054	502	.350	.360	-2.8
91343	502	1.960	2.050	-4.4	91580	501	13.500	14.600	-7.5	92054	503	.350	.360	-2.8
91343	503	1.960	2.050	-4.4	91580	502	13.500	14.600	-7.5	92055	501	9.690	10.100	-4.1
91405	501	11.900	12.700	-6.3	91580	503	13.500	14.600	-7.5	92055	502	9.690	10.100	-4.1
91405	502	11.900	12.700	-6.3	91590	501	6.780	7.100	-4.5	92055	503	9.690	10.100	-4.1
91405	503	11.900	12.700	-6.3	91590	502	6.780	7.100	-4.5	92101	501	15.100	15.900	-5.0
91436	501	10.000	10.500	-4.8	91590	503	6.780	7.100	-4.5	92101	502	15.100	15.900	-5.0
91436	502	10.000	10.500	-4.8	91606	501	28.000	30.300	-7.6	92101	503	15.100	15.900	-5.0
91436	503	10.000	10.500	-4.8	91606	502	28.000	30.300	-7.6	92102	501	9.120	9.540	-4.4
91481	501	36.600	38.300	-4.4	91606	503	28.000	30.300	-7.6	92102	502	9.120	9.540	-4.4
91481	502	36.600	38.300	-4.4	91629	501	5.720	6.200	-7.7	92102	503	9.120	9.540	-4.4
91481	503	36.600	38.300	-4.4	91629	502	5.720	6.200	-7.7	92215	501	6.940	7.340	-5.4
91507	501	5.390	5.650	-4.6	91629	503	5.720	6.200	-7.7	92215	502	6.940	7.340	-5.4
91507	502	5.390	5.650	-4.6	91636	501	9.800	10.600	-7.5	92215	503	6.940	7.340	-5.4
91507	503	5.390	5.650	-4.6	91636	502	9.800	10.600	-7.5	92338	501	3.500	3.670	-4.6
91523	501	83.200	87.100	-4.5	91636	503	9.800	10.600	-7.5	92338	502	3.500	3.670	-4.6
91523	502	83.200	87.100	-4.5	91641	501	2.650	2.880	-8.0	92338	503	3.500	3.670	-4.6
91523	503	83.200	87.100	-4.5	91641	502	2.650	2.880	-8.0	92445	501	5.610	6.090	-7.9
91547	501	.470	.500	-6.0	91641	503	2.650	2.880	-8.0	92445	502	5.610	6.090	-7.9
91547	502	.470	.500	-6.0	91666	501	1.830	1.920	-4.7	92445	503	5.610	6.090	-7.9
91547	503	.470	.500	-6.0	91666	502	1.830	1.920	-4.7	92446	501	11.500	12.100	-5.0
91551	501	2.930	3.070	-4.6	91666	503	1.830	1.920	-4.7	92446	502	11.500	12.100	-5.0
91551	502	2.930	3.070	-4.6	91722	501	8.570	9.300	-7.8	92446	503	11.500	12.100	-5.0
91551	503	2.930	3.070	-4.6	91722	502	8.570	9.300	-7.8	92447	501	10.100	10.500	-3.8
91555	501	2.910	3.080	-5.5	91722	503	8.570	9.300	-7.8	92447	502	10.100	10.500	-3.8
91555	502	2.910	3.080	-5.5	91746	501	6.530	6.840	-4.5	92447	503	10.100	10.500	-3.8
91555	503	2.910	3.080	-5.5	91746	502	6.530	6.840	-4.5	92451	501	4.840	5.120	-5.5
91560	501	10.200	11.100	-8.1	91746	503	6.530	6.840	-4.5	92451	502	4.840	5.120	-5.5
91560	502	10.200	11.100	-8.1	91805	501	.410	.430	-4.7	92451	503	4.840	5.120	-5.5
91560	503	10.200	11.100	-8.1	91805	502	.410	.430	-4.7	92453	501	6.370	6.670	-4.5
91562	501	6.530	6.840	-4.5	91805	503	.410	.430	-4.7	92453	502	6.370	6.670	-4.5
91562	502	6.530	6.840	-4.5	92053	501	1.010	1.060	-4.7	92453	503	6.370	6.670	-4.5
91562	503	6.530	6.840	-4.5	92053	502	1.010	1.060	-4.7	92478	501	3.150	3.300	-4.5
91577	501	23.400	24.500	-4.5	92053	503	1.010	1.060	-4.7	92478	502	3.150	3.300	-4.5
91577	502	23.400	24.500	-4.5	92054	501	.350	.360	-2.8	92478	503	3.150	3.300	-4.5

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92593	501	63.500	67.200	-5.5	94617	503	7.860	8.220	-4.4	95625	502	11.100	11.800	-5.9
92593	502	63.500	67.200	-5.5	95124	501	2.900	3.040	-4.6	95625	503	11.100	11.800	-5.9
92593	503	63.500	67.200	-5.5	95124	502	2.900	3.040	-4.6	95647	501	5.830	6.170	-5.5
92663	501	1.330	1.440	-7.6	95124	503	2.900	3.040	-4.6	95647	502	5.830	6.170	-5.5
92663	502	1.330	1.440	-7.6	95233	501	6.210	6.510	-4.6	95647	503	5.830	6.170	-5.5
92663	503	1.330	1.440	-7.6	95233	502	6.210	6.510	-4.6	96053	501	4.430	4.690	-5.5
94007	501	21.600	22.600	-4.4	95233	503	6.210	6.510	-4.6	96053	502	4.430	4.690	-5.5
94007	502	21.600	22.600	-4.4	95305	501	6.750	7.070	-4.5	96053	503	4.430	4.690	-5.5
94007	503	21.600	22.600	-4.4	95305	502	6.750	7.070	-4.5	96317	501	2.960	3.210	-7.8
94099	501	4.920	5.150	-4.5	95305	503	6.750	7.070	-4.5	96317	502	2.960	3.210	-7.8
94099	502	4.920	5.150	-4.5	95306	501	11.200	12.200	-8.2	96317	503	2.960	3.210	-7.8
94099	503	4.920	5.150	-4.5	95306	502	11.200	12.200	-8.2	96408	501	7.540	7.890	-4.4
94225	501	17.300	18.100	-4.4	95306	503	11.200	12.200	-8.2	96408	502	7.540	7.890	-4.4
94225	502	17.300	18.100	-4.4	95310	501	16.100	16.900	-4.7	96408	503	7.540	7.890	-4.4
94225	503	17.300	18.100	-4.4	95310	502	16.100	16.900	-4.7	96409	501	6.970	7.300	-4.5
94276	501	9.020	9.450	-4.6	95310	503	16.100	16.900	-4.7	96409	502	6.970	7.300	-4.5
94276	502	9.020	9.450	-4.6	95357	501	2.860	3.100	-7.7	96409	503	6.970	7.300	-4.5
94276	503	9.020	9.450	-4.6	95357	502	2.860	3.100	-7.7	96410	501	6.120	6.410	-4.5
94304	501	6.180	6.540	-5.5	95357	503	2.860	3.100	-7.7	96410	502	6.120	6.410	-4.5
94304	502	6.180	6.540	-5.5	95410	501	8.710	9.120	-4.5	96410	503	6.120	6.410	-4.5
94304	503	6.180	6.540	-5.5	95410	502	8.710	9.120	-4.5	96611	501	2.350	2.500	-6.0
94381	501	11.600	12.300	-5.7	95410	503	8.710	9.120	-4.5	96611	502	2.350	2.500	-6.0
94381	502	11.600	12.300	-5.7	95455	501	11.800	12.800	-7.8	96611	503	2.350	2.500	-6.0
94381	503	11.600	12.300	-5.7	95455	502	11.800	12.800	-7.8	96702	501	8.680	9.080	-4.4
94404	501	8.550	8.950	-4.5	95455	503	11.800	12.800	-7.8	96702	502	8.680	9.080	-4.4
94404	502	8.550	8.950	-4.5	95487	501	4.670	4.890	-4.5	96702	503	8.680	9.080	-4.4
94404	503	8.550	8.950	-4.5	95487	502	4.670	4.890	-4.5	96816	501	8.140	8.520	-4.5
94569	501	5.770	6.040	-4.5	95487	503	4.670	4.890	-4.5	96816	502	8.140	8.520	-4.5
94569	502	5.770	6.040	-4.5	95505	501	5.510	5.980	-7.9	96816	503	8.140	8.520	-4.5
94569	503	5.770	6.040	-4.5	95505	502	5.510	5.980	-7.9	96872	501	10.500	11.400	-7.9
94590	501	24.900	26.100	-4.6	95505	503	5.510	5.980	-7.9	96872	502	10.500	11.400	-7.9
94590	502	24.900	26.100	-4.6	95620	501	3.790	3.960	-4.3	96872	503	10.500	11.400	-7.9
94590	503	24.900	26.100	-4.6	95620	502	3.790	3.960	-4.3	97047	501	7.130	7.610	-6.3
94617	501	7.860	8.220	-4.4	95620	503	3.790	3.960	-4.3	97047	502	7.130	7.610	-6.3
94617	502	7.860	8.220	-4.4	95625	501	11.100	11.800	-5.9	97047	503	7.130	7.610	-6.3

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STATE: 38 - RHODE ISLAND  
 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
97050	501	5.540	5.910	-6.3	97654	503	10.700	11.200	-4.5	98157	502	7.760	8.410	-7.7
97050	502	5.540	5.910	-6.3	97655	501	10.700	11.600	-7.8	98157	503	7.760	8.410	-7.7
97050	503	5.540	5.910	-6.3	97655	502	10.700	11.600	-7.8	98159	501	5.210	5.650	-7.8
97111	501	10.400	10.900	-4.6	97655	503	10.700	11.600	-7.8	98159	502	5.210	5.650	-7.8
97111	502	10.400	10.900	-4.6	98002	501	1.940	2.100	-7.6	98159	503	5.210	5.650	-7.8
97111	503	10.400	10.900	-4.6	98002	502	1.940	2.100	-7.6	98160	501	11.000	12.000	-8.3
97220	501	.770	.830	-7.2	98002	503	1.940	2.100	-7.6	98160	502	11.000	12.000	-8.3
97220	502	.770	.830	-7.2	98003	501	1.920	2.010	-4.5	98160	503	11.000	12.000	-8.3
97220	503	.770	.830	-7.2	98003	502	1.920	2.010	-4.5	98161	501	12.400	13.400	-7.5
97222	501	3.210	3.390	-5.3	98003	503	1.920	2.010	-4.5	98161	502	12.400	13.400	-7.5
97222	502	3.210	3.390	-5.3	98090	501	.260	.270	-3.7	98161	503	12.400	13.400	-7.5
97222	503	3.210	3.390	-5.3	98090	502	.260	.270	-3.7	98163	501	13.000	14.100	-7.8
97223	501	4.840	5.120	-5.5	98090	503	.260	.270	-3.7	98163	502	13.000	14.100	-7.8
97223	502	4.840	5.120	-5.5	98091	501	.280	.290	-3.4	98163	503	13.000	14.100	-7.8
97223	503	4.840	5.120	-5.5	98091	502	.280	.290	-3.4	98164	501	4.080	4.320	-5.6
97308	501	1.430	1.550	-7.7	98091	503	.280	.290	-3.4	98164	502	4.080	4.320	-5.6
97308	502	1.430	1.550	-7.7	98092	501	.850	.890	-4.5	98164	503	4.080	4.320	-5.6
97308	503	1.430	1.550	-7.7	98092	502	.850	.890	-4.5	98257	501	2.900	3.040	-4.6
97447	501	4.700	5.090	-7.7	98092	503	.850	.890	-4.5	98257	502	2.900	3.040	-4.6
97447	502	4.700	5.090	-7.7	98111	501	1.220	1.300	-6.2	98257	503	2.900	3.040	-4.6
97447	503	4.700	5.090	-7.7	98111	502	1.220	1.300	-6.2	98303	501	24.400	26.500	-7.9
97650	501	7.190	7.530	-4.5	98111	503	1.220	1.300	-6.2	98303	502	24.400	26.500	-7.9
97650	502	7.190	7.530	-4.5	98152	501	6.530	7.090	-7.9	98303	503	24.400	26.500	-7.9
97650	503	7.190	7.530	-4.5	98152	502	6.530	7.090	-7.9	98304	501	10.800	11.300	-4.4
97651	501	13.900	15.100	-7.9	98152	503	6.530	7.090	-7.9	98304	502	10.800	11.300	-4.4
97651	502	13.900	15.100	-7.9	98153	501	7.350	7.970	-7.8	98304	503	10.800	11.300	-4.4
97651	503	13.900	15.100	-7.9	98153	502	7.350	7.970	-7.8	98305	501	5.730	6.110	-6.2
97652	501	12.000	13.100	-8.4	98153	503	7.350	7.970	-7.8	98305	502	5.730	6.110	-6.2
97652	502	12.000	13.100	-8.4	98154	501	8.680	9.410	-7.8	98305	503	5.730	6.110	-6.2
97652	503	12.000	13.100	-8.4	98154	502	8.680	9.410	-7.8	98306	501	14.700	15.700	-6.4
97653	501	6.150	6.440	-4.5	98154	503	8.680	9.410	-7.8	98306	502	14.700	15.700	-6.4
97653	502	6.150	6.440	-4.5	98155	501	12.100	13.200	-8.3	98306	503	14.700	15.700	-6.4
97653	503	6.150	6.440	-4.5	98155	502	12.100	13.200	-8.3	98307	501	3.410	3.570	-4.5
97654	501	10.700	11.200	-4.5	98155	503	12.100	13.200	-8.3	98307	502	3.410	3.570	-4.5
97654	502	10.700	11.200	-4.5	98157	501	7.760	8.410	-7.7	98307	503	3.410	3.570	-4.5

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STATE: 38 - RHODE ISLAND  
 SUBLINE: PREM/OPS

LOSS COST % CHANGE BY CLASS

CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	TERR	PROPOSED OCCURR	PRESENT OCCURR	% CHG
98308	501	2.240	2.340	-4.3	98427	503	4.860	5.090	-4.5	98640	502	218.000	228.000	-4.4
98308	502	2.240	2.340	-4.3	98429	501	2.550	2.770	-7.9	98640	503	218.000	228.000	-4.4
98308	503	2.240	2.340	-4.3	98429	502	2.550	2.770	-7.9	98658	501	12.600	13.600	-7.4
98309	501	12.200	13.300	-8.3	98429	503	2.550	2.770	-7.9	98658	502	12.600	13.600	-7.4
98309	502	12.200	13.300	-8.3	98449	501	6.970	7.300	-4.5	98658	503	12.600	13.600	-7.4
98309	503	12.200	13.300	-8.3	98449	502	6.970	7.300	-4.5	98659	501	2.250	2.440	-7.8
98344	501	1.600	1.700	-5.9	98449	503	6.970	7.300	-4.5	98659	502	2.250	2.440	-7.8
98344	502	1.600	1.700	-5.9	98482	501	7.480	7.830	-4.5	98659	503	2.250	2.440	-7.8
98344	503	1.600	1.700	-5.9	98482	502	7.480	7.830	-4.5	98677	501	34.400	36.000	-4.4
98405	501	2.630	2.800	-6.1	98482	503	7.480	7.830	-4.5	98677	502	34.400	36.000	-4.4
98405	502	2.630	2.800	-6.1	98483	501	11.000	11.600	-5.2	98677	503	34.400	36.000	-4.4
98405	503	2.630	2.800	-6.1	98483	502	11.000	11.600	-5.2	98678	501	30.500	32.000	-4.7
98413	501	28.300	29.700	-4.7	98483	503	11.000	11.600	-5.2	98678	502	30.500	32.000	-4.7
98413	502	28.300	29.700	-4.7	98502	501	10.600	11.100	-4.5	98678	503	30.500	32.000	-4.7
98413	503	28.300	29.700	-4.7	98502	502	10.600	11.100	-4.5	98699	501	9.940	10.400	-4.4
98414	501	25.900	27.100	-4.4	98502	503	10.600	11.100	-4.5	98699	502	9.940	10.400	-4.4
98414	502	25.900	27.100	-4.4	98555	501	4.920	5.150	-4.5	98699	503	9.940	10.400	-4.4
98414	503	25.900	27.100	-4.4	98555	502	4.920	5.150	-4.5	98705	501	17.800	19.300	-7.8
98415	501	3.410	3.570	-4.5	98555	503	4.920	5.150	-4.5	98705	502	17.800	19.300	-7.8
98415	502	3.410	3.570	-4.5	98597	501	1.100	1.160	-5.2	98705	503	17.800	19.300	-7.8
98415	503	3.410	3.570	-4.5	98597	502	1.100	1.160	-5.2	98710	501	6.910	7.230	-4.4
98423	501	8.110	8.490	-4.5	98597	503	1.100	1.160	-5.2	98710	502	6.910	7.230	-4.4
98423	502	8.110	8.490	-4.5	98598	501	.380	.400	-5.0	98710	503	6.910	7.230	-4.4
98423	503	8.110	8.490	-4.5	98598	502	.380	.400	-5.0	98751	501	9.490	10.300	-7.9
98424	501	13.800	14.400	-4.2	98598	503	.380	.400	-5.0	98751	502	9.490	10.300	-7.9
98424	502	13.800	14.400	-4.2	98601	501	12.700	13.200	-3.8	98751	503	9.490	10.300	-7.9
98424	503	13.800	14.400	-4.2	98601	502	12.700	13.200	-3.8	98805	501	9.020	9.450	-4.6
98425	501	5.650	5.910	-4.4	98601	503	12.700	13.200	-3.8	98805	502	9.020	9.450	-4.6
98425	502	5.650	5.910	-4.4	98624	501	1.990	2.080	-4.3	98805	503	9.020	9.450	-4.6
98425	503	5.650	5.910	-4.4	98624	502	1.990	2.080	-4.3	98806	501	5.540	5.860	-5.5
98426	501	4.980	5.220	-4.6	98624	503	1.990	2.080	-4.3	98806	502	5.540	5.860	-5.5
98426	502	4.980	5.220	-4.6	98636	501	5.940	6.290	-5.6	98806	503	5.540	5.860	-5.5
98426	503	4.980	5.220	-4.6	98636	502	5.940	6.290	-5.6	98810	501	8.070	8.610	-6.3
98427	501	4.860	5.090	-4.5	98636	503	5.940	6.290	-5.6	98810	502	8.070	8.610	-6.3
98427	502	4.860	5.090	-4.5	98640	501	218.000	228.000	-4.4	98810	503	8.070	8.610	-6.3

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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
98813	501	7.790	8.310	-6.3	99163	503	8.200	8.590	-4.5	99507	502	10.300	10.900	-5.5
98813	502	7.790	8.310	-6.3	99165	501	1.800	1.880	-4.3	99507	503	10.300	10.900	-5.5
98813	503	7.790	8.310	-6.3	99165	502	1.800	1.880	-4.3	99570	501	5.540	5.860	-5.5
98820	501	17.200	18.000	-4.4	99165	503	1.800	1.880	-4.3	99570	502	5.540	5.860	-5.5
98820	502	17.200	18.000	-4.4	99220	501	3.370	3.650	-7.7	99570	503	5.540	5.860	-5.5
98820	503	17.200	18.000	-4.4	99220	502	3.370	3.650	-7.7	99571	501	1.340	1.420	-5.6
98884	501	4.480	4.690	-4.5	99220	503	3.370	3.650	-7.7	99571	502	1.340	1.420	-5.6
98884	502	4.480	4.690	-4.5	99222	501	6.330	6.860	-7.7	99571	503	1.340	1.420	-5.6
98884	503	4.480	4.690	-4.5	99222	502	6.330	6.860	-7.7	99572	501	2.620	2.780	-5.8
98914	501	1.530	1.660	-7.8	99222	503	6.330	6.860	-7.7	99572	502	2.620	2.780	-5.8
98914	502	1.530	1.660	-7.8	99223	501	.500	.530	-5.7	99572	503	2.620	2.780	-5.8
98914	503	1.530	1.660	-7.8	99223	502	.500	.530	-5.7	99573	501	2.510	2.650	-5.3
98949	501	2.140	2.320	-7.8	99223	503	.500	.530	-5.7	99573	502	2.510	2.650	-5.3
98949	502	2.140	2.320	-7.8	99303	501	27.500	28.800	-4.5	99573	503	2.510	2.650	-5.3
98949	503	2.140	2.320	-7.8	99303	502	27.500	28.800	-4.5	99600	501	2.820	3.000	-6.0
98967	501	7.040	7.370	-4.5	99303	503	27.500	28.800	-4.5	99600	502	2.820	3.000	-6.0
98967	502	7.040	7.370	-4.5	99310	501	6.880	7.200	-4.4	99600	503	2.820	3.000	-6.0
98967	503	7.040	7.370	-4.5	99310	502	6.880	7.200	-4.4	99613	501	17.400	18.200	-4.4
98993	501	11.400	12.000	-5.0	99310	503	6.880	7.200	-4.4	99613	502	17.400	18.200	-4.4
98993	502	11.400	12.000	-5.0	99315	501	20.200	21.200	-4.7	99613	503	17.400	18.200	-4.4
98993	503	11.400	12.000	-5.0	99315	502	20.200	21.200	-4.7	99614	501	6.290	6.710	-6.3
99003	501	3.340	3.500	-4.6	99315	503	20.200	21.200	-4.7	99614	502	6.290	6.710	-6.3
99003	502	3.340	3.500	-4.6	99321	501	19.600	20.500	-4.4	99614	503	6.290	6.710	-6.3
99003	503	3.340	3.500	-4.6	99321	502	19.600	20.500	-4.4	99620	501	.950	.990	-4.0
99004	501	6.480	6.910	-6.2	99321	503	19.600	20.500	-4.4	99620	502	.950	.990	-4.0
99004	502	6.480	6.910	-6.2	99471	501	1.530	1.660	-7.8	99620	503	.950	.990	-4.0
99004	503	6.480	6.910	-6.2	99471	502	1.530	1.660	-7.8	99650	501	2.620	2.780	-5.8
99080	501	2.370	2.480	-4.4	99471	503	1.530	1.660	-7.8	99650	502	2.620	2.780	-5.8
99080	502	2.370	2.480	-4.4	99505	501	9.620	10.200	-5.7	99650	503	2.620	2.780	-5.8
99080	503	2.370	2.480	-4.4	99505	502	9.620	10.200	-5.7	99709	501	6.470	6.850	-5.5
99111	501	3.440	3.600	-4.4	99505	503	9.620	10.200	-5.7	99709	502	6.470	6.850	-5.5
99111	502	3.440	3.600	-4.4	99506	501	11.800	12.500	-5.6	99709	503	6.470	6.850	-5.5
99111	503	3.440	3.600	-4.4	99506	502	11.800	12.500	-5.6	99718	501	2.780	2.910	-4.5
99163	501	8.200	8.590	-4.5	99506	503	11.800	12.500	-5.6	99718	502	2.780	2.910	-4.5
99163	502	8.200	8.590	-4.5	99507	501	10.300	10.900	-5.5	99718	503	2.780	2.910	-4.5

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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
99746	501	4.700	4.920	-4.5	99948	503	13.700	14.500	-5.5					
99746	502	4.700	4.920	-4.5	99952	501	11.800	12.600	-6.3					
99746	503	4.700	4.920	-4.5	99952	502	11.800	12.600	-6.3					
99760	501	.540	.560	-3.6	99952	503	11.800	12.600	-6.3					
99760	502	.540	.560	-3.6	99953	501	12.800	13.600	-5.9					
99760	503	.540	.560	-3.6	99953	502	12.800	13.600	-5.9					
99777	501	14.000	14.900	-6.0	99953	503	12.800	13.600	-5.9					
99777	502	14.000	14.900	-6.0	99954	501	9.290	9.910	-6.3					
99777	503	14.000	14.900	-6.0	99954	502	9.290	9.910	-6.3					
99793	501	5.960	6.240	-4.5	99954	503	9.290	9.910	-6.3					
99793	502	5.960	6.240	-4.5	99955	501	11.600	12.400	-6.5					
99793	503	5.960	6.240	-4.5	99955	502	11.600	12.400	-6.5					
99826	501	1.600	1.700	-5.9	99955	503	11.600	12.400	-6.5					
99826	502	1.600	1.700	-5.9	99963	501	1.360	1.420	-4.2					
99826	503	1.600	1.700	-5.9	99963	502	1.360	1.420	-4.2					
99827	501	.850	.890	-4.5	99963	503	1.360	1.420	-4.2					
99827	502	.850	.890	-4.5	99969	501	6.120	6.640	-7.8					
99827	503	.850	.890	-4.5	99969	502	6.120	6.640	-7.8					
99851	501	3.470	3.630	-4.4	99969	503	6.120	6.640	-7.8					
99851	502	3.470	3.630	-4.4	99975	501	10.300	11.000	-6.4					
99851	503	3.470	3.630	-4.4	99975	502	10.300	11.000	-6.4					
99917	501	5.620	5.880	-4.4	99975	503	10.300	11.000	-6.4					
99917	502	5.620	5.880	-4.4	99988	501	5.410	5.870	-7.8					
99917	503	5.620	5.880	-4.4	99988	502	5.410	5.870	-7.8					
99938	501	6.310	6.610	-4.5	99988	503	5.410	5.870	-7.8					
99938	502	6.310	6.610	-4.5										
99938	503	6.310	6.610	-4.5										
99943	501	18.300	19.200	-4.7										
99943	502	18.300	19.200	-4.7										
99943	503	18.300	19.200	-4.7										
99946	501	13.600	14.300	-4.9										
99946	502	13.600	14.300	-4.9										
99946	503	13.600	14.300	-4.9										
99948	501	13.700	14.500	-5.5										
99948	502	13.700	14.500	-5.5										

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STATE: 38 - RHODE ISLAND  
 SUBLINE: PRODUCTS/COMPLETED OPERATIONS

LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
10010	.184	.224	-17.9	11259	.118	.152	-22.4	13759	.153	.179	-14.5
10026	.029	.031	-6.5	11288	.095	.102	-6.9	13930	.211	.205	2.9
10040	.280	.300	-6.7	12014	.056	.064	-12.5	14068	.015	.018	-16.7
10042	.450	.480	-6.3	12356	.037	.039	-5.1	14101	.061	.059	3.4
10060	.042	.046	-8.7	12361	.082	.091	-9.9	14279	.117	.137	-14.6
10065	.040	.047	-14.9	12373	.025	.031	-19.4	14401	.151	.196	-23.0
10066	.063	.069	-8.7	12374	.051	.053	-3.8	14527	.181	.202	-10.4
10070	.141	.141	0.0	12375	.071	.092	-22.8 L	14855	.162	.200	-19.0
10071	.149	.157	-5.1	12391	.091	.100	-9.0	14913	.153	.142	7.7
10073	.290	.300	-3.3	12509	.038	.047	-19.1	15223	.033	.035	-5.7
10075	.193	.204	-5.4	12510	.041	.045	-8.9	15224	.077	.083	-7.2
10100	.074	.082	-9.8	12651	.490	.560	-12.5	15406	.044	.047	-6.4
10101	.166	.191	-13.1	12707	.650	.790	-17.7	15538	.016	.019	-15.8
10107	.310	.290	6.9	12797	.169	.168	0.6	15600	.105	.116	-9.5
10111	.083	.098	-15.3	12805	.144	.157	-8.3	15608	.013	.014	-7.1
10115	.073	.081	-9.9	13049	.054	.058	-6.9	15733	.038	.044	-13.6
10140	.021	.020	5.0	13111	.097	.113	-14.2	15839	.037	.038	-2.6
10141	.024	.022	9.1	13112	.069	.083	-16.9	15991	.071	.078	-9.0
10145	.015	.019	-21.1 L	13201	.167	.201	-16.9	15993	.050	.050	0.0
10146	.022	.028	-21.4	13204	1.400	1.240	12.9	16005	.034	.040	-15.0
10255	.131	.152	-13.8	13205	.430	.450	-4.4	16009	.079	.073	8.2
10256	.147	.158	-7.0	13314	.017	.020	-15.0	16403	.141	.134	5.2
10257	.167	.187	-10.7	13351	.060	.068	-11.8	16527	.360	.420	-14.3
10309	.026	.031	-16.1	13352	.058	.062	-6.5	16604	.147	.212	-30.7
10352	.070	.090	-22.2 L	13410	2.440	2.550	-4.3	16676	.018	.020	-10.0
11020	.207	.166	24.7 U	13412	1.010	1.110	-9.0	16705	.152	.173	-12.1
11039	.087	.083	4.8	13506	.090	.097	-7.2	16750	.031	.041	-24.4
11126	.020	.024	-16.7	13507	.177	.186	-4.8	16900	.060	.075	-20.0
11127	.008	.009	-11.1	13590	.740	.770	-3.9	16901	.084	.101	-16.8
11128	.093	.088	5.7	13621	.360	.420	-14.3	16902	.048	.061	-21.3
11203	.540	.650	-16.9	13670	.013	.013	0.0	16905	.060	.075	-20.0
11204	1.990	2.190	-9.1	13673	.023	.025	-8.0	16906	.084	.101	-16.8
11234	.064	.076	-15.8	13715	.154	.151	2.0	16910	.037	.039	-5.1
11248	.019	.022	-13.6	13716	.138	.160	-13.7	16911	.054	.060	-10.0
11258	.201	.260	-22.7 L	13720	.059	.073	-19.2	16915	.033	.039	-15.4

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STATE: 38 - RHODE ISLAND  
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LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
16916	.054	.060	-10.0	51116	.570	.550	3.6	51666	.103	.127	-18.9
16920	.091	.105	-13.3	51205	.083	.111	-25.2	51734	.310	.360	-13.9
16921	.041	.052	-21.2 L	51206	.450	.610	-26.2	51741	.250	.280	-10.7
16930	.122	.142	-14.1	51220	2.580	3.250	-20.6	51752	.159	.199	-20.1
16931	.051	.066	-22.7 L	51221	1.940	2.440	-20.5	51767	.009	.012	-25.0 L
16940	.041	.052	-21.2 L	51222	3.120	3.380	-7.7	51777	.076	.084	-9.5
16941	.076	.098	-22.4	51224	1.330	1.190	11.8	51808	.730	.760	-3.9
18078	.220	.260	-15.4	51230	.790	.880	-10.2	51809	.158	.184	-14.1
18109	.042	.045	-6.7	51240	.182	.213	-14.6	51833	.072	.103	-30.1 L
18110	.026	.032	-18.8	51241	.300	.340	-11.8	51869	.140	.190	-26.3
18205	.310	.360	-13.9	51252	.101	.110	-8.2	51877	.220	.260	-15.4
18206	.102	.096	6.3	51254	.045	.060	-25.0	51889	.014	.020	-30.0 L
18335	.021	.024	-12.5	51300	.173	.209	-17.2	51896	.020	.023	-13.0
18435	.095	.092	3.3	51305	1.030	1.230	-16.3	51900	.093	.105	-11.4
18436	.152	.192	-20.8	51315	.106	.116	-8.6	51909	.057	.066	-13.6
18501	.017	.019	-10.5	51330	.430	.430	0.0	51926	.040	.049	-18.4
18506	.007	.008	-12.5	51333	.310	.340	-8.8	51927	.115	.126	-8.7
18507	.011	.012	-8.3	51350	.142	.177	-19.8	51934	.142	.178	-20.2
18616	.540	.610	-11.5	51351	.045	.054	-16.7	51941	.039	.045	-13.3
18707	.003	.003	0.0 U	51352	.114	.138	-17.4	51956	.246	.300	-18.0
18708	.020	.016	25.0 U	51355	.096	.116	-17.2	51957	.400	.420	-4.8
18834	.162	.179	-9.5	51356	.690	.850	-18.8	51958	.390	.390	0.0
18911	.025	.027	-7.4	51357	.530	.430	23.3 U	51960	.360	.420	-14.3
18912	.032	.032	0.0	51358	.149	.175	-14.9	51970	.250	.250	0.0
18920	.022	.023	-4.3	51359	.840	1.010	-16.8	51982	.085	.099	-14.1
45771	.176	.220	-20.0	51370	5.000	6.020	-16.9	51986	.107	.128	-16.4
45819	.090	.090	0.0	51380	.050	.072	-30.6 L	51999	.460	.540	-14.8
45900	.040	.051	-21.6	51500	.109	.125	-12.8	52002	.118	.112	5.4
45901	.047	.060	-21.7	51550	.360	.410	-12.2	52075	.250	.290	-13.8
49239	.650	.830	-21.7	51551	.920	1.060	-13.2	52134	.700	.750	-6.7
49617	.175	.188	-6.9	51552	.159	.169	-5.9	52315	.240	.270	-11.1
49618	.055	.047	17.0	51575	.020	.028	-28.6	52433	1.200	1.460	-17.8
49619	.119	.104	14.4	51576	.075	.100	-25.0	52469	.109	.100	9.0
50010	.580	.820	-29.3	51600	.198	.232	-14.7	52505	.203	.224	-9.4
51001	.460	.530	-13.2	51613	.138	.200	-31.0 L	52547	.088	.093	-5.4

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LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
52581	3.680	5.330	-31.0 L	56391	.320	.360	-11.1	58397	.830	.970	-14.4
52744	.094	.126	-25.4	56427	.125	.146	-14.4	58503	.061	.077	-20.8
52911	.520	.680	-23.5	56488	.034	.039	-12.8	58575	.123	.143	-14.0
52967	.064	.074	-13.5	56690	.360	.420	-14.3	58627	.016	.022	-27.3 L
53001	.330	.380	-13.2	56699	.051	.051	0.0	58663	1.590	1.870	-15.0
53077	.197	.248	-20.6	56758	.155	.178	-12.9	58737	.740	1.010	-26.7
53121	.460	.540	-14.8	56759	.093	.118	-21.2	58802	.450	.500	-10.0
53333	.213	.238	-10.5	56760	.106	.127	-16.5	58837	.165	.132	25.0 U
53374	.380	.450	-15.6	56912	.084	.105	-20.0	58840	.111	.128	-13.3
53375	.250	.244	2.5	56916	.187	.196	-4.6	58873	.030	.034	-11.8
53376	.187	.212	-11.8	57001	.031	.030	3.3	58904	.131	.152	-13.8
53377	.211	.270	-21.9	57002	.110	.130	-15.4	58922	.187	.241	-22.4
53565	.124	.158	-21.5	57090	.630	.710	-11.3	59005	.096	.108	-11.1
53631	.022	.025	-12.0	57146	.670	.730	-8.2	59188	.056	.065	-13.8
53632	.035	.040	-12.5	57257	.036	.050	-28.0	59189	.300	.350	-14.3
53732	.460	.600	-23.3	57401	.098	.113	-13.3	59223	.077	.087	-11.5
53733	.260	.260	0.0	57403	.036	.041	-12.2	59257	.015	.021	-28.6 L
53907	.111	.139	-20.1	57410	.130	.188	-30.9 L	59378	.152	.175	-13.1
54077	.370	.390	-5.1	57572	.094	.107	-12.1	59481	.088	.101	-12.9
55010	1.100	1.250	-12.0	57600	.033	.039	-15.4	59537	.168	.172	-2.3
55011	1.260	1.140	10.5	57611	.064	.075	-14.7	59601	2.310	3.050	-24.3
55012	1.170	1.320	-11.4	57651	.043	.050	-14.0	59647	.176	.205	-14.1
55013	.990	1.050	-5.7	57690	.510	.640	-20.3	59660	1.140	1.200	-5.0
55214	.089	.103	-13.6	57716	.087	.106	-17.9	59701	.244	.227	7.5
55371	.130	.158	-17.7	57725	.091	.094	-3.2	59713	.330	.370	-10.8
55597	1.780	1.990	-10.6	57726	.019	.019	0.0	59722	.032	.036	-11.1
55647	.056	.080	-30.0 L	57810	.109	.126	-13.5	59723	.038	.044	-13.6
55715	.234	.270	-13.3	57871	.116	.127	-8.7	59724	.022	.031	-29.0
55716	.520	.590	-11.9	57913	.310	.430	-27.9	59725	.104	.103	1.0
55802	.009	.013	-30.8 L	57998	.059	.067	-11.9	59726	.024	.026	-7.7
55918	3.190	4.300	-25.8	57999	.071	.081	-12.3	59738	.066	.077	-14.3
55919	3.640	4.860	-25.1	58095	1.830	1.950	-6.2	59750	.240	.280	-14.3
56040	.040	.057	-29.8 L	58096	1.040	1.060	-1.9	59773	.028	.032	-12.5
56202	.100	.126	-20.6	58301	.082	.086	-4.7	59774	.152	.175	-13.1
56390	.630	.620	1.6	58302	.055	.064	-14.1	59775	.189	.211	-10.4

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LOSS COST % CHANGE BY CLASS

CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG	CLASS	PROPOSED OCCURR	PRESENT OCCURR	% CHG
59781	.076	.088	-13.6	91341	3.780	3.500	8.0	96409	13.900	15.400	-9.7
59782	.490	.690	-29.0	91342	3.700	4.200	-11.9	96410	9.930	10.000	-0.7
59798	.460	.530	-13.2	91343	2.320	2.220	4.5	96611	2.140	2.100	1.9
59886	.112	.131	-14.5	91436	2.770	3.150	-12.1	97221	1.490	1.900	-21.6
59889	.153	.169	-9.5	91507	4.250	4.810	-11.6	97222	2.910	3.700	-21.4
59904	.066	.080	-17.5	91551	1.180	1.390	-15.1	97223	4.830	5.190	-6.9
59905	.130	.138	-5.8	91555	1.250	1.420	-12.0	97447	5.270	5.320	-0.9
59914	.620	.700	-11.4	91560	4.680	5.120	-8.6	97650	3.780	4.160	-9.1
59915	.780	.880	-11.4	91577	3.510	3.690	-4.9	97651	5.750	6.500	-11.5
59917	.165	.164	0.6	91746	6.270	7.120	-11.9	97652	4.800	5.440	-11.8
59923	.005	.007	-28.6 L	92053	.670	.690	-2.9	97653	4.830	4.730	2.1
59925	1.090	1.060	2.8	92054	.300	.360	-16.7	97654	4.240	4.630	-8.4
59926	.420	.490	-14.3	92055	.300	.360	-16.7	97655	4.300	5.170	-16.8
59927	1.560	1.710	-8.8	92101	4.100	4.170	-1.7	98002	1.030	1.190	-13.4
59931	.590	.690	-14.5	92102	3.280	3.330	-1.5	98152	.910	.730	24.7 U
59932	.930	1.110	-16.2	92215	2.870	3.230	-11.1	98157	.420	.490	-14.3
59947	.330	.390	-15.4	92338	1.480	1.640	-9.8	98163	.420	.540	-22.2 L
59955	.147	.171	-14.0	92446	3.230	3.690	-12.5	98164	.148	.192	-22.9 L
59963	.450	.540	-16.7	92447	1.750	1.980	-11.6	98303	6.200	6.790	-8.7
59964	.061	.066	-7.6	92451	3.630	3.800	-4.5	98304	3.990	4.320	-7.6
59970	.182	.212	-14.2	92478	2.700	2.950	-8.5	98305	1.460	1.500	-2.7
59975	.243	.237	2.5	94007	4.770	4.690	1.7	98306	.790	.900	-12.2
59984	.055	.064	-14.1	94276	5.270	5.700	-7.5	98307	.690	.800	-13.8
59988	.060	.069	-13.0	94381	10.500	13.600	-22.8 L	98308	1.230	.990	24.2 U
59989	.045	.052	-13.5	94404	5.460	6.130	-10.9	98309	1.980	2.410	-17.8
91111	7.340	6.940	5.8	94569	5.610	4.640	20.9	98344	1.010	1.070	-5.6
91125	3.010	3.900	-22.8 L	95124	1.140	1.230	-7.3	98449	17.700	17.500	1.1
91127	1.420	1.800	-21.1	95310	1.730	2.240	-22.8 L	98482	7.500	8.800	-14.8
91150	6.470	7.090	-8.7	95410	3.330	3.290	1.2	98483	16.800	17.800	-5.6
91155	30.000	32.000	-6.3	95455	3.080	3.690	-16.5	98502	4.500	4.520	-0.4
91235	5.010	4.650	7.7	95505	2.250	2.540	-11.4	98636	4.440	4.700	-5.5
91265	4.900	5.500	-10.9	95625	4.220	4.240	-0.5	98659	.780	1.010	-22.8 L
91266	.980	1.230	-20.3	95647	6.970	7.240	-3.7	98677	10.100	10.200	-1.0
91280	1.970	2.550	-22.7 L	96053	4.990	5.510	-9.4	98678	12.700	12.800	-0.8
91340	8.380	7.750	8.1	96408	13.400	17.300	-22.5 L	98805	1.190	1.230	-3.3

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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	5.230	5.490	-4.7								
98813	2.350	2.640	-11.0								
98820	3.010	3.280	-8.2								
98884	1.730	1.640	5.5								
98914	.840	1.080	-22.2 L								
98949	.610	.790	-22.8 L								
98967	6.590	5.560	18.5								
98993	6.970	6.310	10.5								
99003	1.270	1.260	0.8								
99004	1.820	2.000	-9.0								
99080	12.600	11.900	5.9								
99163	.690	.890	-22.5 L								
99315	2.220	2.330	-4.7								
99321	2.830	3.010	-6.0								
99613	3.090	3.580	-13.7								
99650	1.360	1.390	-2.2								
99746	3.460	3.210	7.8								
99803	11.000	10.300	6.8								
99826	.600	.670	-10.4								
99827	.740	.750	-1.3								
99946	3.610	3.960	-8.8								
99948	33.500	34.800	-3.7								
99952	15.600	15.000	4.0								
99953	8.450	8.670	-2.5								
99954	15.200	16.200	-6.2								
99955	8.400	10.900	-22.9 L								
99969	3.540	3.210	10.3								

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METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

INTRODUCTION

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

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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.

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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.

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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.

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METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

STEP 1 - DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

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

METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

INCURRED  
LOSSES  
& LAE

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

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

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

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

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

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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.

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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.

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METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

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

STEP 2 - DISTRIBUTION OF BASIC LIMIT LOSS COST LEVEL INDICATION

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

METHODOLOGY OVERVIEW  
OVERVIEW OF ISO ACTUARIAL PROCEDURES - GENERAL LIABILITY

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

PRODUCTS(Cont'd)

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

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

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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.

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EXPLANATORY NOTES TO DETERMINATION OF INDICATED  
LOSS COST LEVEL CHANGE

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

The loss cost level indication is based upon a review of the latest three years of basic limit experience of companies reporting to Insurance Services Office, Inc. For Premises/Operations, data for accident years ending December 31, 2015, 2016 and 2017 are weighted 20%, 30% and 50% respectively. For Products/Completed Operations, multistate data for accident years ending December 31, 2015, 2016 and 2017 are weighted 20%, 30% and 50% respectively.

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

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

## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### OBJECTIVES

The objectives of this procedure are to:

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

### EXPERIENCE BASE

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

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### 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.

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### 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

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## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### ITERATIVE PROCEDURE

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

For Owners, Landlords and Tenants:

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

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

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

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

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

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

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

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

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

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

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

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

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



## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### ITERATIVE PROCEDURE (Cont'd)

For Manufacturers and Contractors, and Products:

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

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

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

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

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

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

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

and  $j^{\text{th}}$  class group;

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

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

## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### ITERATIVE PROCEDURE (Cont'd)

For Local Products/Completed Operations:

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

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

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

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

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

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

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

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

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

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

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

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

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

## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### ITERATIVE PROCEDURE (Cont'd)

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

---

### APPLICATION OF CREDIBILITY

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

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

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

5 year occurrence total for a given class group, territory or type of policy. For Local Products/Completed Operations, separate formulas are used to calculate the credibility of the experience for each type of policy and class group versus the credibility of the experience for each state, namely  $Z = \sqrt{P/15,000}$  for type

of policy and class group, and  $Z = \sqrt{P/5,500}$  for state (in this case, P is the 5 year occurrence total for a given state). Credibility-weighted relative changes are then calculated as follows:

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

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

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

W is the credibility-weighted relative change.

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

---

## EXPLANATORY NOTES TO RELATIVE CHANGE ANALYSIS

### MULTILINE CONSIDERATIONS

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

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

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

---

### MONOLINE INDICATIONS -- PREMISES/ OPERATIONS

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

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

Territory applies to Owners, Landlords and Tenants only.

---

### MONOLINE INDICATIONS -- PRODUCTS

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

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

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## 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.

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EXPLANATORY NOTES TO  
IMPLICIT PACKAGE MODIFICATION FACTORS

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

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

## EXPLANATION OF EXPOSURE DEVELOPMENT

### IMPORTANCE OF APPLICATION

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

---

### APPLICATION OF EXPOSURE DEVELOPMENT FACTORS

The earned exposures underlying the Premises/Operations statewide loss cost level indications are evaluated as of March 31, 2018. Products/Completed Operations data is evaluated as of March 31, 2018.

For example, the accident year ending December 31, 2017 includes all exposures earned during the period from January 1, 2017 through December 31, 2017.

The immature experience reported as of 15 and 27 months for accident years ending 12/31/2017 and 12/31/2016 must be adjusted to an ultimate exposure development basis. This adjustment is accomplished through the use of an exposure development factor. Exposures are assumed to be mature at 39 months. Exposure development factors are based on experience evaluated as of March 31, 2018 for Premises/ Operations and March 31, 2018 for Products/Completed Operations.

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

## EXPLANATION OF EXPOSURE DEVELOPMENT

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

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

---



## EXPLANATION OF LOSS DEVELOPMENT

### IMPORTANCE OF APPLICATION

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

---

### APPLICATION OF LOSS DEVELOPMENT FACTORS

The incurred losses and allocated loss adjustment expenses underlying the Premises/Operations statewide loss cost level indications were evaluated as of March 31, 2018. Products/Completed Operations data is evaluated as of March 31, 2018.

For example, the accident year ending December 31, 2017 includes all losses and allocated loss adjustment expenses paid on accidents occurring from January 1, 2017 through December 31, 2017 and all losses and loss adjustment expenses outstanding on those policies as of March 31, 2018, 15 months after the inception of the accident year.

The immature experience reported as of 15, 27 and 39 months for accident years ending 12/31/2017, 12/31/2016 and 12/31/2015 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.

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

### OBJECTIVE

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

Traditional development procedures customarily used for losses apply a loss development factor to reported losses at various evaluation points. For example, a '15-month to ultimate' factor would be applied to the losses for accident year ended December 31, 2017 evaluated as of March 31, 2018. 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.

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

### DESCRIPTION OF METHODOLOGY

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

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

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

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

---

### APPLICATION

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

These calculations are shown in Section E - Loss Development.

---

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

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

## EXPLANATION OF MODIFIED BONDY METHOD

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

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

\* Calculated using the Modified Bondy Procedure.

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

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

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

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

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

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

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

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

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

## UNALLOCATED LOSS ADJUSTMENT FACTOR METHODOLOGY

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

## EXPLANATION OF TREND CALCULATION

### EXPOSURE TREND

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

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

---

### SEVERITY TREND

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

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



SEVERITY  
TREND  
(Cont'd)

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

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FREQUENCY  
TREND

The historical occurrence frequency data are displayed in the Trend Data exhibits in Sections E, F, and G. For Premises/Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2004 - 12/31/2017. For Products/Completed Operations, these pages display the frequency data for CGL only for accident years ending 12/31/2004 - 12/31/2017. The Premises/Operations experience includes occurrences arising from fringe coverages. In this review, multistate number of occurrences contained in the trend exhibits are based on reported paid counts developed to ultimate using paid development factors.

Historically, frequency trend for Premises/Operations and Products/Completed Operations has been quite volatile, often cyclical in nature. As a result, an exponential curve did not fit the data well over a long term. Given the frequency trend pattern, however, we are continuing to select negative frequency trends for Manufacturers and Contractors and Owners, Landlords and Tenants. We are continuing to select negative frequency trend for Products and have selected a negative frequency trend for Local Products/ Completed Operations as well. 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.

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### 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.

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2015	\$4,972,406	\$5,697,404	0.20	1.146	150
12/31/2016	5,225,358	4,352,231	0.30	0.833	145
12/31/2017	4,877,232	3,433,830	0.50	0.704	133

(7)	WEIGHTED EXPERIENCE RATIO .....	0.831
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C) .....	1.010
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS) .....	0.26
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} } .....	0.963
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100% .....	- 3.7 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	- 5.6 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE .....	- 5.6 %

(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 09/01/2019. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.010). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.010) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (09/01/2019) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (09/01/2020).



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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2015	\$9,634,073	\$10,140,082	0.20	1.053	376
12/31/2016	9,328,338	11,965,182	0.30	1.283	342
12/31/2017	9,100,159	8,926,965	0.50	0.981	324

(7)	WEIGHTED EXPERIENCE RATIO .....	1.086
(8)	EXPECTED EXPERIENCE RATIO (SEE FOOTNOTE C) .....	1.021
(9)	CREDIBILITY BASED ON LATEST THREE YEARS NUMBER OF INCURRED OCCURRENCES (SEE SECTION B - CREDIBILITY STANDARDS) .....	0.42
(10)	CREDIBILITY-WEIGHTED EXPERIENCE RATIO { (7) X (9) } + { (8) X {1.0 - (9)} } .....	1.048
(11)	INDICATED MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (10) - 1 } X 100% .....	+ 4.8 %
(12)	STATEWIDE INDICATED MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS) .....	+ 9.9 %
(13)	STATEWIDE SELECTED MONOLINE CHANGE .....	+ 9.9 %

(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 09/01/2019. FOR DETAILS, SEE SECTION E - CALCULATION OF INCURRED LOSSES.

(C) THE EXPECTED EXPERIENCE RATIO IS THE NET TREND (1.021). THE NET TREND IS THE ANNUAL NET TREND FACTOR (1.021) TO AN EXPONENT (1.000), THE PERIOD FROM ONE YEAR BEYOND THE LAST REVIEW OR EFFECTIVE DATE (09/01/2019) TO ONE YEAR BEYOND THE ASSUMED EFFECTIVE DATE (09/01/2020).

RHODE ISLAND  
PRODUCTS  
SUBLINE CODE 336  
DETERMINATION OF INDICATED LOSS COST LEVEL CHANGE

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	\$100,000 BASIC LIMITS INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2015	\$126,844,943	\$117,418,560	0.20	0.926	2,260
12/31/2016	131,093,793	128,055,034	0.30	0.977	2,081
12/31/2017	135,345,929	113,009,721	0.50	0.835	2,052

(7)	WEIGHTED EXPERIENCE RATIO .....	0.896
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7)-1.00}X 100% .....	- 10.4 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE ..... (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS)	- 10.8 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (SEE FOOTNOTE C) .....	- 11.2 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....	- 11.2 %

- (A) THESE ARE CALCULATED BY SUMMING OVER THE CLASSES THE PRODUCTS OF MULTISTATE REPORTED EXPOSURES, EXPOSURE TREND AND DEVELOPMENT, AND MULTISTATE \$100,000 BASIC LIMIT LOSS COSTS AT CURRENT ISO LEVEL. FOR DETAILS, SEE SECTION F - CALCULATION OF AGGREGATE LOSS COSTS AT CURRENT LEVEL.
- (B) INCLUDING ALL LOSS ADJUSTMENT EXPENSES AND DEVELOPED TO AN ULTIMATE BASIS. IN ADDITION, ACCIDENT YEAR LOSSES HAVE BEEN TRENDED FROM THE AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2019.
- (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) .

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

(1)	(2)	(3)	(4)	(5)	(6)
ACCIDENT YEAR ENDING	MULTISTATE AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)	MULTISTATE \$100,000 BASIC LIMIT INCURRED LOSSES (B)	YEAR WEIGHTS	EXPERIENCE RATIO	NUMBER OF INCURRED OCCURRENCES
12/31/2015	\$278,794,792	\$314,986,643	0.20	1.130	6,337
12/31/2016	294,052,846	307,777,927	0.30	1.047	5,913
12/31/2017	306,680,065	300,341,488	0.50	0.979	5,351

(7)	WEIGHTED EXPERIENCE RATIO.....	1.030
(8)	INDICATED MULTISTATE MONOLINE-MULTILINE LOSS COST LEVEL CHANGE { (7) - 1.00 } x 100%.....	+ 3.0 %
(9)	INDICATED MULTISTATE MONOLINE CHANGE (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....	+ 0.2 %
(10)	INDICATED STATEWIDE MONOLINE CHANGE (C) (SEE SECTION D - BASIC LIMIT RELATIVE CHANGE ANALYSIS).....	- 3.1 %
(11)	SELECTED STATEWIDE MONOLINE CHANGE.....	- 3.1 %

(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 07/01/2019

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

## SECTION D

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RHODE ISLAND  
MANUFACTURERS AND CONTRACTORS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

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	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 0.963 OR - 3.7%	
TOP						
10	0.875	0.128	0.983	0.980		
33	0.127	0.010	0.980	0.976		
34	1.374	0.038	1.012	1.009		
35	1.075	0.019	1.001	0.998		
36	0.779	0.062	0.985	0.981		
37	0.690	0.050	0.982	0.978		
38	1.321	0.133	1.038	1.034		
					(5) INDICATED MONOLINE CHANGE	
CLASS GROUP						
30	1.131	0.059	1.007	1.004	-	5.3%
31	1.001	0.094	1.000	0.997	-	6.0%
32	1.138	0.141	1.018	1.015	-	4.2%
33	0.666	0.041	0.983	0.980	-	7.5%
34	0.998	0.057	1.000	0.997	-	6.0%
35	0.681	0.026	0.990	0.987	-	6.9%
36	0.685	0.039	0.985	0.982	-	7.3%
37	0.031	0.012	0.959	0.956	-	9.8%
38	1.199	0.053	1.010	1.006	-	5.1%
OVERALL MONOLINE INDICATION -						5.6%

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

RHODE ISLAND  
MANUFACTURERS AND CONTRACTORS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS  
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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	30 SERVICE	\$58,781	\$315,781	0.540	0.613	17	0.984
	31 LIGHT CONTRACTING	221,927	969,918	1.341	1.521	46	0.977
	32 MEDIUM CONTRCTING	975,646	5,979,704	0.780	0.885	183	0.994
	33 HEAVY CONTRACTING	220,837	1,257,603	0.286	0.324	11	0.960
	34 DEALER OR DISTRIB	26,919	140,390	0.704	0.798	7	0.976
	35 LGT. MANUFACTURER	11,618	103,512	0.386	0.438	1	0.967
	36 MED. MANUFACTURER	114,411	400,392	0.516	0.585	8	0.962
	37 HVY. MANUFACTURER	55,552	333,963	0.000	0.000	0	0.936
	38 MISC. OPERATION	158,448	600,160	1.203	1.365	22	0.986
	TOTAL *	\$1,844,139	\$10,101,423	0.774		295	
33 MULT OFFICE	31 LIGHT CONTRACTING	\$4,064	\$20,414	0.871	0.988	1	0.973
	32 MEDIUM CONTRCTING	5,293	20,957	0.000	0.000	0	0.991
	33 HEAVY CONTRACTING	21,781	89,995	0.000	0.000	0	0.957
	38 MISC. OPERATION	13,388	71,877	0.076	0.087	1	0.983
	TOTAL *	\$44,526	\$203,243	0.102		2	
34 MULT MERCANTILE	30 SERVICE	\$5,091	\$39,513	0.000	0.000	0	1.013
	32 MEDIUM CONTRCTING	17,938	72,499	0.039	0.045	1	1.024
	34 DEALER OR DISTRIB	125,193	572,785	1.554	1.763	21	1.005
	38 MISC. OPERATION	10,355	54,519	0.279	0.317	5	1.015
	TOTAL *	\$158,577	\$739,316	1.249		27	
35 MULT INSTITUT.	31 LIGHT CONTRACTING	\$0	\$544	0.000	0.000	0	0.995
	32 MEDIUM CONTRCTING	28,717	159,368	1.078	1.223	7	1.013
	TOTAL *	\$28,717	\$159,912	1.078		7	
36 MULT SERVICES	30 SERVICE	\$12,664	\$99,220	1.182	1.341	4	0.985
	31 LIGHT CONTRACTING	39,827	259,255	0.606	0.688	16	0.978
	32 MEDIUM CONTRCTING	21,989	120,800	0.002	0.002	0	0.996
	33 HEAVY CONTRACTING	7,307	49,694	0.000	0.000	0	0.962
	34 DEALER OR DISTRIB	238,575	1,022,930	0.539	0.611	29	0.978
	36 MED. MANUFACTURER	7,784	20,318	0.000	0.000	0	0.964
	38 MISC. OPERATION	164,088	635,831	1.172	1.330	22	0.988
	TOTAL *	\$492,234	\$2,208,048	0.731		71	

RHODE ISLAND  
MANUFACTURERS AND CONTRACTORS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS  
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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2013 - 2017 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	\$641	\$5,162	0.000	0.000	0	0.975
	32 MEDIUM CONTRCTING	27,674	147,067	0.706	0.801	7	0.993
	33 HEAVY CONTRACTING	12,667	68,855	0.000	0.000	0	0.959
	34 DEALER OR DISTRIB	12,894	65,081	0.109	0.123	2	0.975
	35 LGT. MANUFACTURER	161,975	600,707	0.424	0.481	12	0.965
	36 MED. MANUFACTURER	291,393	1,243,529	0.434	0.493	20	0.961
	37 HVY. MANUFACTURER	91,135	579,828	0.033	0.037	3	0.935
	38 MISC. OPERATION	5,687	32,822	1.349	1.531	1	0.985
	TOTAL *	\$604,066	\$2,743,051	0.376		45	
38 MULT CONTRACTORS	30 SERVICE	\$198,094	\$1,001,972	1.425	1.616	42	1.038
	31 LIGHT CONTRACTING	531,779	2,610,461	0.929	1.054	99	1.031
	32 MEDIUM CONTRCTING	683,202	3,593,908	1.523	1.728	162	1.050
	33 HEAVY CONTRACTING	235,827	1,243,393	1.032	1.171	20	1.014
	38 MISC. OPERATION	65,850	298,749	0.000	0.000	0	1.041
	TOTAL *	\$1,714,752	\$8,748,483	1.202		323	
TOTAL ALL TOP	30 SERVICE	\$274,630	\$1,456,486	1.198		63	
	31 LIGHT CONTRACTING	798,238	3,865,754	1.026		162	
	32 MEDIUM CONTRCTING	1,760,459	10,094,303	1.053		360	
	33 HEAVY CONTRACTING	498,419	2,709,540	0.615		31	
	34 DEALER OR DISTRIB	403,581	1,801,186	0.851		59	
	35 LGT. MANUFACTURER	173,593	704,219	0.422		13	
	36 MED. MANUFACTURER	413,588	1,664,239	0.449		28	
	37 HVY. MANUFACTURER	146,687	913,791	0.020		3	
	38 MISC. OPERATION	417,816	1,693,958	0.944		51	
	TOTAL *	\$4,887,011	\$24,903,476	0.881		770	

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

RHODE ISLAND  
OWNERS, LANDLORDS AND TENANTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	STATEWIDE COVERAGE IND. OF 1.048 OR + 4.8%
TOP					
10	1.267	0.172	1.041	1.045	
31	4.980	0.061	1.103	1.107	
32	1.031	0.103	1.003	1.007	
33	1.000	0.119	1.000	1.004	
34	0.687	0.149	0.946	0.949	
35	0.512	0.078	0.949	0.953	
36	0.921	0.093	0.992	0.996	
					(5) INDICATED MONOLINE CHANGE
CLASS GROUP					
01	1.139	0.082	1.011	1.009	+ 11.6%
02	1.071	0.123	1.009	1.007	+ 10.5%
03	0.786	0.058	0.986	0.984	+ 8.5%
04	0.504	0.018	0.988	0.986	+ 8.5%
05	0.770	0.030	0.992	0.990	+ 9.8%
06	0.556	0.034	0.980	0.978	+ 8.0%
07	1.255	0.087	1.020	1.018	+ 12.8%
08	0.562	0.035	0.980	0.978	+ 7.6%
09	0.453	0.085	0.935	0.933	+ 2.4%
10	1.383	0.071	1.023	1.021	+ 10.9%
11	1.016	0.106	1.002	1.000	+ 9.3%
12	1.039	0.183	1.007	1.005	+ 10.3%
13	0.897	0.031	0.997	0.995	+ 10.2%
16	14.235	0.025	1.069	1.067	+ 19.3%

OVERALL MONOLINE INDICATION + 9.9%

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



RHODE ISLAND  
OWNERS, LANDLORDS AND TENANTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS  
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	(1)	(2)	(3)	(4)	(5)
	BAILEY				
TERRITORY	FORMULA	CREDIBILITY	Z-WTD	BALANCED	INDICATED
	RELATIV.	Z	RELATIV.	RELATIV.	MONOLINE CHG.
501	0.788	0.127	0.970	0.967	+ 6.0%
502	0.968	0.133	0.996	0.993	+ 9.1%
503	1.103	0.248	1.025	1.021	+ 11.9%

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

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

TERRITORY 501

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2013 - 2017 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)	\$7,181	\$37,033	0.766	0.747	5	1.020
	02 RESTAURANTS	34,272	252,908	0.605	0.590	6	1.018
	03 STORES	9,643	75,263	0.253	0.247	2	0.995
	04 VENDING & RENTAL	0	196	0.000	0.000	0	0.997
	05 FOOD & BEV. DIST.	857	7,674	17.518	17.080	5	1.001
	06 NON-FOOD&BEV.DIST	5,309	30,942	0.139	0.135	3	0.989
	07 CLUBS, AMSMT&SPRTS	6,412	222,132	3.684	3.592	12	1.029
	08 HEALTH CARE FACIL	1,702	10,000	0.000	0.000	0	0.989
	09 HOTELS AND MOTELS	61,369	419,089	0.067	0.065	10	0.943
	10 SCHLS & CHURCHES	23,292	125,883	0.440	0.429	4	1.033
	11 APARTMENTS	81,120	289,569	0.290	0.283	8	1.011
	12 BUILDINGS&OFFICES	175,066	1,065,059	1.379	1.344	42	1.016
	13 MISC. PREMISES	161	2,200	10.183	9.929	1	1.006
	TOTAL *	\$406,384	\$2,537,948	0.859		98	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$68,507	\$482,225	0.230	0.224	3	0.999
	TOTAL *	\$68,507	\$482,225	0.230		3	
32 MULT APARTMENT	11 APARTMENTS	\$280,452	\$1,196,178	0.803	0.783	24	0.974
	12 BUILDINGS&OFFICES	40,817	176,030	0.120	0.117	2	0.979
	TOTAL *	\$321,269	\$1,372,208	0.716		26	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$445,598	\$2,208,955	0.848	0.827	44	0.976
	13 MISC. PREMISES	397	1,882	0.000	0.000	0	0.966
	TOTAL *	\$445,995	\$2,210,837	0.848		44	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$61,657	\$396,704	1.192	1.162	24	0.926
	02 RESTAURANTS	478,028	1,837,366	0.816	0.796	48	0.924
	03 STORES	19,806	112,948	0.022	0.022	1	0.904
	04 VENDING & RENTAL	3,985	20,376	0.000	0.000	0	0.905
	05 FOOD & BEV. DIST.	11,564	60,949	0.033	0.032	1	0.909
	06 NON-FOOD&BEV.DIST	4,516	36,165	0.071	0.069	0	0.898
	12 BUILDINGS&OFFICES	30,578	154,621	0.723	0.705	7	0.923
	TOTAL *	\$610,134	\$2,619,129	0.798		81	

RHODE ISLAND  
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)
		CALENDAR A.Y.E.	CALENDAR A.Y.E.				
		12/31/2017 AGGREGATE	2013 - 2017	FIVE YEAR			
TYPE OF POLICY	CLASS GROUP	LOSS COSTS AT	AGG LOSS COST	EXPERIENCE		NUMBER OF	BAL CELL
		CURRENT LEVEL	CURRENT LEVEL	RATIO	RELATIV.	OCCURRENCES	RELATIV.
35 MULT INSTITUT.	08 HEALTH CARE FACIL	\$31,364	\$202,340	0.330	0.321	4	0.901
	10 SCHLS & CHURCHES	183,305	928,538	0.271	0.265	4	0.941
	12 BUILDINGS&OFFICES	5,015	23,902	0.181	0.176	0	0.926
	TOTAL *	\$219,684	\$1,154,780	0.278		8	
36 MULT SERVICES	03 STORES	\$14,725	\$58,151	2.437	2.376	3	0.948
	04 VENDING & RENTAL	1,448	72,356	0.000	0.000	0	0.950
	07 CLUBS,AMSMT&SPRTS	42,367	232,718	2.156	2.102	21	0.981
	08 HEALTH CARE FACIL	30	58	0.000	0.000	0	0.942
	10 SCHLS & CHURCHES	497	2,936	0.000	0.000	0	0.984
	12 BUILDINGS&OFFICES	51,246	298,997	1.476	1.439	9	0.968
	13 MISC. PREMISES	4,424	14,457	2.271	2.214	1	0.958
	TOTAL *	\$114,737	\$679,673	1.855		34	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$68,838	\$433,737	1.147		29	
	02 RESTAURANTS	512,300	2,090,274	0.802		54	
	03 STORES	44,174	246,362	0.877		6	
	04 VENDING & RENTAL	5,433	92,928	0.000		0	
	05 FOOD & BEV. DIST.	12,421	68,623	1.240		6	
	06 NON-FOOD&BEV.DIST	9,825	67,107	0.108		3	
	07 CLUBS,AMSMT&SPRTS	48,779	454,850	2.357		33	
	08 HEALTH CARE FACIL	33,096	212,398	0.312		4	
	09 HOTELS AND MOTELS	129,876	901,314	0.153		13	
	10 SCHLS & CHURCHES	207,094	1,057,357	0.290		8	
	11 APARTMENTS	361,572	1,485,747	0.688		32	
	12 BUILDINGS&OFFICES	748,320	3,927,564	0.966		104	
	13 MISC. PREMISES	4,982	18,539	2.345		2	
	TOTAL *	\$2,186,710	\$11,056,800	0.793		294	

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

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

TERRITORY 502

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2013 - 2017 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)	\$1,511	\$28,034	0.000	0.000	0	1.047
	02 RESTAURANTS	13,306	100,097	0.098	0.095	7	1.045
	03 STORES	10,883	37,965	2.321	2.263	3	1.021
	04 VENDING & RENTAL	438	2,567	0.000	0.000	0	1.023
	05 FOOD & BEV. DIST.	1,259	8,795	5.521	5.383	2	1.028
	06 NON-FOOD&BEV.DIST	3,885	99,253	1.237	1.206	2	1.015
	07 CLUBS, AMSMT&SPRTS	27,757	150,622	3.595	3.505	10	1.056
	08 HEALTH CARE FACIL	2,238	8,649	0.814	0.794	2	1.015
	09 HOTELS AND MOTELS	359	1,700	0.000	0.000	0	0.968
	10 SCHLS & CHURCHES	15,897	92,274	2.159	2.105	1	1.060
	11 APARTMENTS	106,951	684,910	0.429	0.418	15	1.038
	12 BUILDINGS&OFFICES	155,602	885,828	1.114	1.086	33	1.043
	13 MISC. PREMISES	64	1,382	0.000	0.000	0	1.032
	TOTAL *	\$340,150	\$2,102,076	1.157		75	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$3,345	\$16,951	23.222	22.642	10	1.025
	TOTAL *	\$3,345	\$16,951	23.222		10	
32 MULT APARTMENT	11 APARTMENTS	\$346,322	\$1,252,753	0.851	0.830	30	0.999
	12 BUILDINGS&OFFICES	51,551	296,359	1.114	1.086	10	1.005
	TOTAL *	\$397,873	\$1,549,112	0.885		40	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$432,423	\$2,190,894	1.023	0.997	59	1.001
	13 MISC. PREMISES	0	185	0.000	0.000	0	0.991
	TOTAL *	\$432,423	\$2,191,079	1.023		59	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$27,969	\$139,463	2.028	1.978	8	0.950
	02 RESTAURANTS	251,680	1,082,775	1.000	0.975	56	0.948
	03 STORES	29,260	261,944	0.596	0.581	9	0.927
	04 VENDING & RENTAL	39	343	0.000	0.000	0	0.929
	05 FOOD & BEV. DIST.	13,328	95,102	0.274	0.267	1	0.933
	06 NON-FOOD&BEV.DIST	45,040	196,067	0.167	0.163	3	0.922
	12 BUILDINGS&OFFICES	72,728	321,633	0.117	0.114	5	0.947
	TOTAL *	\$440,044	\$2,097,327	0.785		82	

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

TERRITORY 502

		(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E.	CALENDAR A.Y.E.				
		12/31/2017 AGGREGATE	2013 - 2017	FIVE YEAR		NUMBER OF	BAL CELL
TYPE OF POLICY	CLASS GROUP	LOSS COSTS AT	AGG LOSS COST	EXPERIENCE	RELATIV.	OCCURRENCES	RELATIV.
		CURRENT LEVEL	CURRENT LEVEL	RATIO			
35 MULT INSTITUT.	08 HEALTH CARE FACIL	\$27,575	\$127,330	0.066	0.064	3	0.925
	10 SCHLS & CHURCHES	79,530	422,908	0.562	0.548	14	0.966
	12 BUILDINGS&OFFICES	2,762	10,115	2.500	2.438	1	0.951
	TOTAL *	\$109,867	\$560,353	0.486		18	
36 MULT SERVICES	03 STORES	\$9,861	\$78,839	0.386	0.376	5	0.973
	04 VENDING & RENTAL	9,221	45,069	0.210	0.205	1	0.975
	07 CLUBS,AMSMT&SPRTS	41,329	284,945	0.876	0.854	21	1.007
	09 HOTELS AND MOTELS	1,512	7,225	3.319	3.236	1	0.923
	10 SCHLS & CHURCHES	683	3,407	0.000	0.000	0	1.010
	12 BUILDINGS&OFFICES	15,266	67,087	2.180	2.126	4	0.994
	13 MISC. PREMISES	9,871	51,245	1.694	1.652	4	0.984
	TOTAL *	\$87,743	\$537,817	1.105		36	
TOTAL ALL TOP	01 FOOD&BEV. (RETAIL)	\$29,480	\$167,497	1.924		8	
	02 RESTAURANTS	264,986	1,182,872	0.955		63	
	03 STORES	50,004	378,748	0.930		17	
	04 VENDING & RENTAL	9,698	47,979	0.200		1	
	05 FOOD & BEV. DIST.	14,587	103,897	0.727		3	
	06 NON-FOOD&BEV.DIST	48,925	295,320	0.252		5	
	07 CLUBS,AMSMT&SPRTS	69,086	435,567	1.968		31	
	08 HEALTH CARE FACIL	29,813	135,979	0.122		5	
	09 HOTELS AND MOTELS	5,216	25,876	15.854		11	
	10 SCHLS & CHURCHES	96,110	518,589	0.822		15	
	11 APARTMENTS	453,273	1,937,663	0.752		45	
	12 BUILDINGS&OFFICES	730,332	3,771,916	0.988		112	
	13 MISC. PREMISES	9,935	52,812	1.683		4	
	TOTAL *	\$1,811,445	\$9,054,715	0.973		320	

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

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

TERRITORY 503

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2013 - 2017 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)	\$127,166	\$565,803	1.120	1.092	34	1.077
	02 RESTAURANTS	103,516	617,101	0.879	0.857	24	1.075
	03 STORES	28,911	155,351	2.291	2.234	23	1.051
	04 VENDING & RENTAL	2,716	17,582	0.000	0.000	0	1.053
	05 FOOD & BEV. DIST.	18,215	78,904	2.800	2.730	4	1.058
	06 NON-FOOD&BEV.DIST	35,270	179,184	1.176	1.147	8	1.045
	07 CLUBS, AMSMT&SPRTS	160,350	546,908	1.677	1.636	31	1.087
	08 HEALTH CARE FACIL	9,580	50,792	1.485	1.447	4	1.045
	09 HOTELS AND MOTELS	97,015	584,948	0.919	0.896	51	0.996
	10 SCHLS & CHURCHES	31,289	185,418	2.120	2.067	8	1.091
	11 APARTMENTS	151,045	550,769	1.547	1.509	26	1.068
	12 BUILDINGS&OFFICES	484,081	2,251,576	1.778	1.733	149	1.073
	13 MISC. PREMISES	9,246	45,758	0.209	0.204	2	1.062
	TOTAL *	\$1,258,400	\$5,830,094	1.531		364	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$133,635	\$605,511	2.841	2.770	56	1.055
	TOTAL *	\$133,635	\$605,511	2.841		56	
32 MULT APARTMENT	11 APARTMENTS	\$458,290	\$2,154,623	1.656	1.614	100	1.028
	12 BUILDINGS&OFFICES	185,394	960,187	0.618	0.603	26	1.034
	TOTAL *	\$643,684	\$3,114,810	1.357		126	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$848,259	\$4,347,901	1.191	1.161	156	1.031
	13 MISC. PREMISES	12,373	52,778	0.000	0.000	0	1.020
	TOTAL *	\$860,632	\$4,400,679	1.173		156	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$194,796	\$1,027,096	0.888	0.866	52	0.978
	02 RESTAURANTS	953,422	4,515,450	0.756	0.737	132	0.976
	03 STORES	97,994	370,097	0.220	0.214	8	0.954
	04 VENDING & RENTAL	10,338	42,054	0.000	0.000	0	0.956
	05 FOOD & BEV. DIST.	82,951	504,479	0.079	0.077	4	0.960
	06 NON-FOOD&BEV.DIST	54,748	284,990	0.384	0.375	5	0.949
	12 BUILDINGS&OFFICES	201,614	1,086,332	0.713	0.696	38	0.974
	TOTAL *	\$1,595,863	\$7,830,498	0.681		239	

RHODE ISLAND  
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)
		CALENDAR A.Y.E. 12/31/2017 AGGREGATE	CALENDAR A.Y.E. 2013 - 2017	FIVE YEAR EXPERIENCE		NUMBER OF	BAL CELL
TYPE OF POLICY	CLASS GROUP	LOSS COSTS AT CURRENT LEVEL	AGG LOSS COST CURRENT LEVEL	RATIO	RELATIV.	OCCURRENCES	RELATIV.
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$19,451	\$68,382	0.352	0.343	1	0.991
	08 HEALTH CARE FACIL	85,022	390,280	0.293	0.286	10	0.952
	10 SCHLS & CHURCHES	134,807	925,221	1.394	1.359	60	0.994
	12 BUILDINGS&OFFICES	7,733	44,368	0.008	0.008	2	0.978
	13 MISC. PREMISES	0	495	0.000	0.000	0	0.968
	16 GOVT SUBDIVISIONS	9,827	53,045	8.253	8.047	12	1.038
	TOTAL *	\$256,840	\$1,481,791	1.171		85	
36 MULT SERVICES	03 STORES	\$51,127	\$347,861	0.388	0.378	8	1.002
	04 VENDING & RENTAL	6,183	34,692	2.185	2.130	5	1.003
	07 CLUBS, AMSMT&SPRTS	193,007	980,280	0.865	0.843	42	1.036
	09 HOTELS AND MOTELS	15,869	91,141	0.090	0.088	2	0.949
	10 SCHLS & CHURCHES	290	290	0.000	0.000	0	1.039
	12 BUILDINGS&OFFICES	63,575	454,806	0.496	0.484	22	1.023
	13 MISC. PREMISES	19,271	159,300	1.229	1.199	10	1.012
	TOTAL *	\$349,322	\$2,068,370	0.735		89	
TOTAL ALL      TOP	01 FOOD&BEV. (RETAIL)	\$321,962	\$1,592,899	0.979		86	
	02 RESTAURANTS	1,056,938	5,132,551	0.768		156	
	03 STORES	178,032	873,309	0.604		39	
	04 VENDING & RENTAL	19,237	94,328	0.702		5	
	05 FOOD & BEV. DIST.	101,166	583,383	0.569		8	
	06 NON-FOOD&BEV.DIST	90,018	464,174	0.695		13	
	07 CLUBS, AMSMT&SPRTS	372,808	1,595,570	1.188		74	
	08 HEALTH CARE FACIL	94,602	441,072	0.414		14	
	09 HOTELS AND MOTELS	246,519	1,281,600	1.907		109	
	10 SCHLS & CHURCHES	166,386	1,110,929	1.528		68	
	11 APARTMENTS	609,335	2,705,392	1.629		126	
	12 BUILDINGS&OFFICES	1,790,656	9,145,170	1.207		393	
	13 MISC. PREMISES	40,890	258,331	0.627		12	
	16 GOVT SUBDIVISIONS	9,827	53,045	8.253		12	
	TOTAL *	\$5,098,376	\$25,331,753	1.144		1,115	

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

RHODE ISLAND  
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)
		CALENDAR A.Y.E. 12/31/2017 AGGREGATE	CALENDAR A.Y.E. 2013 - 2017	FIVE YEAR EXPERIENCE		NUMBER OF	BAL CELL
TYPE OF POLICY	CLASS GROUP	LOSS COSTS AT CURRENT LEVEL	AGG LOSS COST CURRENT LEVEL	RATIO	RELATIV.	OCCURRENCES	RELATIV.
10 MONOLINE	01 FOOD&BEV. (RETAIL)	\$135,858	\$630,870	1.089		39	
	02 RESTAURANTS	151,094	970,106	0.748		37	
	03 STORES	49,437	268,579	1.900		28	
	04 VENDING & RENTAL	3,154	20,345	0.000		0	
	05 FOOD & BEV. DIST.	20,331	95,373	3.588		11	
	06 NON-FOOD&BEV.DIST	44,464	309,379	1.058		13	
	07 CLUBS, AMSMT&SPRTS	194,519	919,662	2.017		53	
	08 HEALTH CARE FACIL	13,520	69,441	1.187		6	
	09 HOTELS AND MOTELS	158,743	1,005,737	0.587		61	
	10 SCHLS & CHURCHES	70,478	403,575	1.573		13	
	11 APARTMENTS	339,116	1,525,248	0.894		49	
	12 BUILDINGS&OFFICES	814,749	4,202,463	1.565		224	
	13 MISC. PREMISES	9,471	49,340	0.377		3	
	TOTAL *	\$2,004,934	\$10,470,118	1.331		537	
31 MULT MOTEL/HOTEL	09 HOTELS AND MOTELS	\$205,487	\$1,104,687	2.302		69	
	TOTAL *	\$205,487	\$1,104,687	2.302		69	
32 MULT APARTMENT	11 APARTMENTS	\$1,085,064	\$4,603,554	1.179		154	
	12 BUILDINGS&OFFICES	277,762	1,432,576	0.637		38	
	TOTAL *	\$1,362,826	\$6,036,130	1.068		192	
33 MULT OFFICE	12 BUILDINGS&OFFICES	\$1,726,280	\$8,747,750	1.060		259	
	13 MISC. PREMISES	12,770	54,845	0.000		0	
	TOTAL *	\$1,739,050	\$8,802,595	1.052		259	
34 MULT MERCANTILE	01 FOOD&BEV. (RETAIL)	\$284,422	\$1,563,263	1.066		84	
	02 RESTAURANTS	1,683,130	7,435,591	0.810		236	
	03 STORES	147,060	744,989	0.268		18	
	04 VENDING & RENTAL	14,362	62,773	0.000		0	
	05 FOOD & BEV. DIST.	107,843	660,530	0.098		6	
	06 NON-FOOD&BEV.DIST	104,304	517,222	0.277		8	
	12 BUILDINGS&OFFICES	304,920	1,562,586	0.572		50	
	TOTAL *	\$2,646,041	\$12,546,954	0.725		402	



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

TERRITORY	ALL	(1) CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
TYPE OF POLICY	CLASS GROUP						
35 MULT INSTITUT.	07 CLUBS, AMSMT&SPRTS	\$19,451	\$68,382	0.352		1	
	08 HEALTH CARE FACIL	143,961	719,950	0.258		17	
	10 SCHLS & CHURCHES	397,642	2,276,667	0.710		78	
	12 BUILDINGS&OFFICES	15,510	78,385	0.508		3	
	13 MISC. PREMISES	0	495	0.000		0	
	16 GOVT SUBDIVISIONS	9,827	53,045	8.253		12	
	TOTAL *	\$586,391	\$3,196,924	0.708		111	
36 MULT SERVICES	03 STORES	\$75,713	\$484,851	0.786		16	
	04 VENDING & RENTAL	16,852	152,117	0.917		6	
	07 CLUBS, AMSMT&SPRTS	276,703	1,497,943	1.064		84	
	08 HEALTH CARE FACIL	30	58	0.000		0	
	09 HOTELS AND MOTELS	17,381	98,366	0.371		3	
	10 SCHLS & CHURCHES	1,470	6,633	0.000		0	
	12 BUILDINGS&OFFICES	130,087	820,890	1.080		35	
	13 MISC. PREMISES	33,566	225,002	1.503		15	
	TOTAL *	\$551,802	\$3,285,860	1.027		159	
TOTAL ALL	TOP						
	01 FOOD&BEV. (RETAIL)	\$420,280	\$2,194,133	1.073		123	
	02 RESTAURANTS	1,834,224	8,405,697	0.805		273	
	03 STORES	272,210	1,498,419	0.708		62	
	04 VENDING & RENTAL	34,368	235,235	0.449		6	
	05 FOOD & BEV. DIST.	128,174	755,903	0.652		17	
	06 NON-FOOD&BEV.DIST	148,768	826,601	0.510		21	
	07 CLUBS, AMSMT&SPRTS	490,673	2,485,987	1.414		138	
	08 HEALTH CARE FACIL	157,511	789,449	0.337		23	
	09 HOTELS AND MOTELS	381,611	2,208,790	1.501		133	
	10 SCHLS & CHURCHES	469,590	2,686,875	0.837		91	
	11 APARTMENTS	1,424,180	6,128,802	1.111		203	
	12 BUILDINGS&OFFICES	3,269,308	16,844,650	1.103		609	
	13 MISC. PREMISES	55,807	329,682	0.968		18	
	16 GOVT SUBDIVISIONS	9,827	53,045	8.253		12	
	TOTAL *	\$9,096,531	\$45,443,268	1.026		1,729	

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

RHODE ISLAND  
PRODUCTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS  
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	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 0.896 OR - 10.4%		
TOP							
10	0.988	0.372	0.995	0.996			
34	1.036	0.371	1.013	1.014			
36	1.005	0.187	1.001	1.002			
37	0.988	0.507	0.994	0.994			
CLASS GROUP					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE
3	0.924	0.500	0.961	0.965	- 13.9%	- 13.5%	- 13.5%
4	1.048	0.406	1.019	1.024	- 8.7%	- 8.3%	- 8.3%
5	1.107	0.132	1.014	1.018	- 9.2%	- 11.7%	- 11.7%
6	1.007	0.320	1.002	1.006	- 10.2%	- 10.6%	- 10.6%
7	1.006	0.182	1.001	1.005	- 10.3%	- 15.9%	- 15.9%
			OVERALL MONOLINE INDICATION		- 10.8%	- 11.2%	- 11.2%
			-----		-----	-----	-----

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

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

MULTISTATE  
PRODUCTS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS  
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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2013 - 2017 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	\$18,227,491	\$79,500,211	0.856	0.869	1,461	0.961
	04 DLR,DST-NOTFD/DRG	9,616,743	42,155,667	1.119	1.136	640	1.019
	05 MAN.NTFD/DRG (LOW)	1,605,615	6,748,634	1.039	1.055	84	1.014
	06 MAN.NTFD/DRG (MED)	9,640,686	42,498,903	0.958	0.972	466	1.002
	07 MAN.NTFD/DRG (HGH)	2,568,561	11,286,663	1.018	1.033	129	1.001
	TOTAL *	\$41,659,096	\$182,190,078	0.957		2,780	
34 MULT MERCANTILE	03 MAN,DLR,DSTFD/DRG	\$5,166,155	\$25,851,441	1.131	1.148	791	0.979
	04 DLR,DST-NOTFD/DRG	29,011,611	140,165,685	1.037	1.052	1,972	1.038
	06 MAN.NTFD/DRG (MED)	7,625	57,567	0.000	0.000	0	1.020
	TOTAL *	\$34,185,391	\$166,074,693	1.051		2,763	
36 MULT SERVICES	04 DLR,DST-NOTFD/DRG	\$3,197,904	\$14,609,890	1.041	1.057	699	1.025
	06 MAN.NTFD/DRG (MED)	54,898	258,512	0.781	0.793	1	1.008
	TOTAL *	\$3,252,802	\$14,868,402	1.037		700	
37 MULT INDUST/PROC.	03 MAN,DLR,DSTFD/DRG	\$16,474,514	\$81,117,947	0.888	0.901	2,761	0.960
	05 MAN.NTFD/DRG (LOW)	4,070,679	20,897,437	1.092	1.108	269	1.012
	06 MAN.NTFD/DRG (MED)	28,248,516	131,744,418	0.987	1.002	1,582	1.001
	07 MAN.NTFD/DRG (HGH)	7,346,721	36,933,393	0.965	0.980	537	1.000
	TOTAL *	\$56,140,430	\$270,693,195	0.963		5,149	
TOTAL ALL TOP	03 MAN,DLR,DSTFD/DRG	\$39,868,160	\$186,469,599	0.905		5,013	
	04 DLR,DST-NOTFD/DRG	41,826,258	196,931,242	1.056		3,311	
	05 MAN.NTFD/DRG (LOW)	5,676,294	27,646,071	1.077		353	
	06 MAN.NTFD/DRG (MED)	37,951,725	174,559,400	0.979		2,049	
	07 MAN.NTFD/DRG (HGH)	9,915,282	48,220,056	0.979		666	
	TOTAL *	\$135,237,719	\$633,826,368	0.985		11,392	

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

RHODE ISLAND  
LOCAL PRODUCTS/COMPLETED OPERATIONS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

	(1) BAILEY FORMULA RELATIV.	(2) CREDIBILITY Z	(3) Z-WTD RELATIV.	(4) BALANCED RELATIV.	MULTISTATE COVERAGE IND. OF 1.030 OR + 3.0%			
TOP								
10	0.969	0.752	0.977	0.973				
34	0.959	0.541	0.978	0.974				
36	0.986	0.516	0.993	0.989				
37	0.972	0.138	0.996	0.993				
38	1.025	0.962	1.024	1.020				
					(5) INDICATED MULTISTATE MONOLINE CHANGE	(6) INDICATED STATEWIDE MONOLINE CHANGE#*	(7) SELECTED STATEWIDE MONOLINE CHANGE	
CLASS GROUP								
1	0.918	0.550	0.954	0.948	- 4.6%	- 7.8%	- 7.8%	
2	1.037	0.495	1.018	1.012	+ 1.0%	- 2.7%	- 2.7%	
11	1.095	0.352	1.032	1.026	+ 2.6%	- 0.2%	- 0.9%	
12	1.016	1.000	1.016	1.010	+ 0.9%	- 2.7%	- 2.7%	
13	0.785	0.266	0.938	0.932	- 6.7%	- 9.7%	- 9.2%	
					OVERALL MONOLINE INDICATION + 0.2%	- 3.1%	- 3.1%	

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

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

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

STATE	(1) BAILEY FORMULA RELATIV	(2) CREDIBILITY Z	(3) Z-WTD RELATIV	(4) BALANCED RELATIV.	(5) INDICATED ** MONOLINE CHG.	(6) SELECTED MONOLINE CHG.
	1.418	0.386	1.144	1.144		
	1.202	0.623	1.122	1.121		
	1.425	0.229	1.085	1.084		
	1.144	0.427	1.059	1.059		
	1.413	0.160	1.057	1.057		
	1.437	0.153	1.057	1.057		
	1.197	0.263	1.049	1.048		
	1.096	0.505	1.048	1.047		
	1.135	0.345	1.045	1.044		
	1.122	0.368	1.043	1.043		
	1.191	0.231	1.041	1.041		
	1.128	0.326	1.040	1.040		
	1.173	0.239	1.039	1.039		
	1.148	0.224	1.031	1.031		
	1.059	0.435	1.025	1.025		
	1.052	0.453	1.023	1.023		
	1.257	0.100	1.023	1.023		
	1.083	0.227	1.018	1.018		
	1.101	0.187	1.018	1.018		
	1.090	0.192	1.017	1.016		
	1.045	0.369	1.016	1.016		
	1.037	0.307	1.011	1.011		
	1.019	0.449	1.008	1.008		
	1.027	0.143	1.004	1.003		
	1.002	0.494	1.001	1.000		
	1.002	0.131	1.000	1.000		
	0.994	0.097	0.999	0.999		
	0.992	0.402	0.997	0.997		
	0.989	0.377	0.996	0.995		
	0.975	0.190	0.995	0.995		
	0.965	0.458	0.984	0.983		
	0.924	0.241	0.981	0.981		
	0.933	0.349	0.976	0.976		
	0.895	0.260	0.972	0.971		
	0.892	0.285	0.968	0.968		
Rhode Island	0.788	0.160	0.963	0.962	-3.1%	-3.1%
	0.693	0.104	0.963	0.962		
	0.889	0.364	0.958	0.958		
	0.759	0.154	0.958	0.958		
	0.843	0.288	0.952	0.952		
	0.720	0.158	0.949	0.949		
	0.765	0.195	0.949	0.949		
	0.906	0.547	0.948	0.947		
	0.793	0.238	0.946	0.946		
	0.512	0.084	0.945	0.945		
	0.639	0.136	0.941	0.941		
	0.813	0.308	0.938	0.938		
	0.889	0.581	0.934	0.933		
	0.846	0.470	0.924	0.924		
	0.756	0.321	0.914	0.914		
	0.602	0.179	0.913	0.913		
	0.804	0.575	0.882	0.882		

\* Sorted by balanced relative change.

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

RHODE ISLAND  
LOCAL PRODUCTS/COMPLETED OPERATIONS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

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SUMMARY OF EXPERIENCE USED IN RELATIVE CHANGE ANALYSIS

TYPE OF POLICY	CLASS GROUP	(1)	(2)	(3)	(4)	(5)	(6)
		CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	CALENDAR A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	FIVE YEAR EXPERIENCE RATIO	RELATIV.	NUMBER OF OCCURRENCES	BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$9,151	\$28,058	0.286	0.264	1	0.888
	02 RET.STRS-NTFD/DRG	4,428	19,517	7.071	6.523	2	0.948
	11 COMP. OPS. (LOW)	12,506	72,185	0.000	0.000	0	0.961
	12 COMP. OPS. (MED)	366,654	1,790,320	1.088	1.003	33	0.946
	13 COMP. OPS. (HGH)	15,343	81,524	1.605	1.481	4	0.873
	TOTAL *	\$408,082	\$1,991,604	1.121		40	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$21,772	\$116,961	2.454	2.264	16	0.889
	02 RET.STRS-NTFD/DRG	9,816	52,363	8.433	7.780	4	0.949
	12 COMP. OPS. (MED)	3,851	35,243	0.148	0.136	1	0.947
	TOTAL *	\$35,439	\$204,567	3.860		21	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$1,925	\$7,828	0.000	0.000	0	0.903
	02 RET.STRS-NTFD/DRG	18,538	85,423	1.552	1.431	12	0.963
	11 COMP. OPS. (LOW)	5,479	39,080	2.274	2.098	4	0.977
	12 COMP. OPS. (MED)	7,383	68,015	0.000	0.000	0	0.961
	13 COMP. OPS. (HGH)	6,311	43,212	0.000	0.000	0	0.887
	TOTAL *	\$39,636	\$243,558	1.040		16	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$0	\$34	0.000	0.000	0	0.906
	11 COMP. OPS. (LOW)	571	3,003	0.000	0.000	0	0.980
	12 COMP. OPS. (MED)	15,336	66,892	0.061	0.057	1	0.965
	TOTAL *	\$15,907	\$69,929	0.059		1	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$36,454	\$175,295	0.107	0.099	1	1.008
	12 COMP. OPS. (MED)	659,235	3,206,646	0.634	0.585	58	0.992
	13 COMP. OPS. (HGH)	49,110	310,864	0.246	0.227	5	0.915
	TOTAL *	\$744,799	\$3,692,805	0.582		64	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$32,848	\$152,881	1.706		17	
	02 RET.STRS-NTFD/DRG	32,782	157,303	4.358		18	
	11 COMP. OPS. (LOW)	55,010	289,563	0.298		5	
	12 COMP. OPS. (MED)	1,052,459	5,167,116	0.777		93	
	13 COMP. OPS. (HGH)	70,764	435,600	0.519		9	
	TOTAL *	\$1,243,863	\$6,202,463	0.860		142	

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

MULTISTATE  
LOCAL PRODUCTS/COMPLETED OPERATIONS  
BASIC LIMIT RELATIVE CHANGE ANALYSIS

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

TYPE OF POLICY	CLASS GROUP	(1) CALENDAR A.Y.E. 12/31/2017 AGGREGATE LOSS COSTS AT CURRENT LEVEL	(2) CALENDAR A.Y.E. 2013 - 2017 AGG LOSS COST CURRENT LEVEL	(3) FIVE YEAR EXPERIENCE RATIO	(4) RELATIV.	(5) NUMBER OF OCCURRENCES	(6) BAL CELL RELATIV.
10 MONOLINE	01 RET.STRS-FOOD/DRG	\$2,570,942	\$11,000,189	0.978		762	
	02 RET.STRS-NTFD/DRG	2,629,603	11,663,817	1.219		494	
	11 COMP. OPS. (LOW)	4,024,036	18,069,271	1.329		705	
	12 COMP. OPS. (MED)	82,107,926	364,826,722	1.080		6,242	
	13 COMP. OPS. (HGH)	7,801,373	39,341,081	0.703		282	
	TOTAL *	\$99,133,880	\$444,901,080	1.062		8,485	
34 MULT MERCANTILE	01 RET.STRS-FOOD/DRG	\$8,002,266	\$37,342,335	0.940		3,591	
	02 RET.STRS-NTFD/DRG	5,186,195	23,434,483	1.012		665	
	12 COMP. OPS. (MED)	2,043,786	10,139,349	1.186		140	
	TOTAL *	\$15,232,247	\$70,916,167	0.997		4,396	
36 MULT SERVICES	01 RET.STRS-FOOD/DRG	\$729,961	\$3,439,653	1.065		197	
	02 RET.STRS-NTFD/DRG	12,256,900	48,452,562	1.088		2,518	
	11 COMP. OPS. (LOW)	3,094,937	14,012,389	1.111		510	
	12 COMP. OPS. (MED)	4,447,208	21,021,492	0.941		694	
	13 COMP. OPS. (HGH)	989,332	5,061,195	1.199		87	
	TOTAL *	\$21,518,338	\$91,987,291	1.065		4,006	
37 MULT INDUST/PROC.	01 RET.STRS-FOOD/DRG	\$26,867	\$90,627	2.388		1	
	11 COMP. OPS. (LOW)	114,535	530,208	1.229		19	
	12 COMP. OPS. (MED)	3,550,014	17,334,430	1.039		268	
	13 COMP. OPS. (HGH)	40,532	307,938	0.580		0	
	TOTAL *	\$3,731,948	\$18,263,203	1.050		288	
38 MULT CONTRACTORS	11 COMP. OPS. (LOW)	\$8,122,432	\$37,446,153	1.157		634	
	12 COMP. OPS. (MED)	143,209,202	677,397,379	1.125		12,565	
	13 COMP. OPS. (HGH)	14,631,915	67,788,410	0.919		693	
	TOTAL *	\$165,963,549	\$782,631,942	1.108		13,892	
TOTAL ALL TOP	01 RET.STRS-FOOD/DRG	\$11,330,036	\$51,872,804	0.960		4,551	
	02 RET.STRS-NTFD/DRG	20,072,698	83,550,862	1.086		3,677	
	11 COMP. OPS. (LOW)	15,355,940	70,058,021	1.193		1,868	
	12 COMP. OPS. (MED)	235,358,136	1,090,719,372	1.105		19,909	
	13 COMP. OPS. (HGH)	23,463,152	112,498,624	0.858		1,062	
	TOTAL *	\$305,579,962	\$1,408,699,683	1.084		31,067	

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

SECTION E  
SUPPORTING MATERIAL -- PREMISES/OPERATIONS

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	12/31/2015	\$1,819,049		1.000		1.145				\$2,082,811
	12/31/2016	1,924,222		1.000		1.115				2,145,508
	12/31/2017	1,664,741		1.018		1.086				1,840,451
MULTILINE	12/31/2015	\$2,782,550		1.000		1.130		0.919		\$2,889,595
	12/31/2016	3,018,076		1.000		1.108		0.921		3,079,850
	12/31/2017	2,987,974		1.018		1.084		0.921		3,036,781
TOTAL	12/31/2015									\$4,972,406
	12/31/2016									5,225,358
	12/31/2017									4,877,232

+ 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 09/01/2019 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.

RHODE ISLAND  
MANUFACTURERS AND CONTRACTORS  
OCCURRENCE  
FULL COVERAGE  
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2015	\$1,086,750		1.170		1.085		1.255		0.974		\$1,686,351
		12/31/2016	754,021		1.451		1.085		1.201		0.979		1,395,746
		12/31/2017	542,774		2.112		1.085		1.150		0.984		1,407,459
BI	ALAE	12/31/2015	\$594,627				1.085		1.255		0.974		\$788,637
		12/31/2016	820,426				1.085		1.201		0.979		1,046,634
		12/31/2017	685,808				1.085		1.150		0.984		842,025
PD	B/L INDEMNITY	12/31/2015	\$1,354,346		1.070		1.085		1.225		0.974		\$1,876,023
		12/31/2016	935,394		1.119		1.085		1.178		0.979		1,309,732
		12/31/2017	502,094		1.229		1.085		1.132		0.984		745,776
PD	ALAE	12/31/2015	\$586,409				1.085		1.225		0.974		\$759,146
		12/31/2016	367,358				1.085		1.178		0.979		459,671
		12/31/2017	132,762				1.085		1.132		0.984		160,452
MED PAY#	B/L INDEMNITY	12/31/2015	\$2,320				1.085		1.255		0.974		\$3,077
		12/31/2016	8,360				1.085		1.201		0.979		10,665
		12/31/2017	18,919				1.085		1.150		0.984		23,228
FRINGE	B/L INDEMNITY	12/31/2015	\$230,175		1.049		1.085		1.026		0.974		\$261,800
		12/31/2016	995		1.140		1.085		1.021		0.979		1,230
		12/31/2017	40,000		1.491		1.085		1.016		0.984		64,693
FRINGE	ALAE	12/31/2015	\$169,533				1.085		1.026		0.974		\$183,819
		12/31/2016	4,646				1.085		1.021		0.979		5,039
		12/31/2017	80,035				1.085		1.016		0.984		86,816
	TOTAL FULL COVERAGE	12/31/2015											\$5,558,853
		12/31/2016											4,228,717
		12/31/2017											3,330,449

\* 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.

RHODE ISLAND  
MANUFACTURERS AND CONTRACTORS  
OCCURRENCE  
DED COVERAGE  
CALCULATION OF INCURRED LOSSES

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2015	\$0		1.155		1.085		1.255		0.974		\$0
		12/31/2016	10,001		1.550		1.085		1.201		0.979		19,776
		12/31/2017	21,250		2.564		1.085		1.150		0.984		66,896
BI	ALAE	12/31/2015	\$0				1.085		1.255		0.974		\$0
		12/31/2016	4,458				1.085		1.201		0.979		5,687
		12/31/2017	17,649				1.085		1.150		0.984		21,669
PD	B/L INDEMNITY	12/31/2015	\$88,212		1.052		1.085		1.225		0.974		\$120,135
		12/31/2016	56,721		1.098		1.085		1.178		0.979		77,930
		12/31/2017	8,354		1.223		1.085		1.132		0.984		12,348
PD	ALAE	12/31/2015	\$14,226				1.085		1.225		0.974		\$18,417
		12/31/2016	16,081				1.085		1.178		0.979		20,122
		12/31/2017	2,042				1.085		1.132		0.984		2,468
MED PAY#	B/L INDEMNITY	12/31/2015											
		12/31/2016											
		12/31/2017											
	TOTAL												
	DED COVERAGE	12/31/2015											\$138,551
		12/31/2016											123,515
		12/31/2017											103,381
	TOTAL												
		12/31/2015											\$5,697,404
		12/31/2016											4,352,231
		12/31/2017											3,433,830

\* 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.

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

TYPE OF POLICY -----	ACCIDENT YEAR ENDING -----	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----	X	EXPOSURE DEVELOPMENT FACTOR+ -----	X	EXPOSURE TREND# -----	X	AVERAGE IPMF* -----	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL -----
MONOLINE	12/31/2015	\$2,166,708		1.000		1.022				\$2,214,376
	12/31/2016	2,038,403		1.000		1.018				2,075,094
	12/31/2017	1,974,070		1.003		1.013				2,005,732
MULTILINE	12/31/2015	\$7,245,798		1.000		1.024		1.000		\$7,419,697
	12/31/2016	7,139,420		1.000		1.019		0.997		7,253,244
	12/31/2017	6,989,646		1.003		1.015		0.997		7,094,427
TOTAL	12/31/2015									\$9,634,073
	12/31/2016									9,328,338
	12/31/2017									9,100,159

+ 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 09/01/2019 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.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2015	\$4,778,494		1.080		1.085		1.195		0.949		\$6,350,072
		12/31/2016	4,825,354		1.296		1.085		1.154		0.959		7,509,108
		12/31/2017	2,869,423		1.632		1.085		1.115		0.969		5,489,631
BI	ALAE	12/31/2015	\$1,534,151				1.085		1.195		0.949		\$1,887,696
		12/31/2016	2,368,479				1.085		1.154		0.959		2,843,961
		12/31/2017	1,673,034				1.085		1.115		0.969		1,961,251
PD	B/L INDEMNITY	12/31/2015	\$373,012		1.083		1.085		1.255		0.949		\$522,025
		12/31/2016	393,563		1.122		1.085		1.201		0.959		551,821
		12/31/2017	268,133		1.184		1.085		1.150		0.969		383,843
PD	ALAE	12/31/2015	\$220,602				1.085		1.255		0.949		\$285,068
		12/31/2016	222,634				1.085		1.201		0.959		278,216
		12/31/2017	214,567				1.085		1.150		0.969		259,427
MED PAY#	B/L INDEMNITY	12/31/2015	\$209,582				1.085		1.195		0.949		\$257,880
		12/31/2016	194,059				1.085		1.154		0.959		233,017
		12/31/2017	246,489				1.085		1.115		0.969		288,952
FRINGE	B/L INDEMNITY	12/31/2015	\$35,300		1.080		1.085		1.108		0.949		\$43,494
		12/31/2016	41,000		1.240		1.085		1.086		0.959		57,449
		12/31/2017	16,071		1.596		1.085		1.065		0.969		28,720
FRINGE	ALAE	12/31/2015	\$177,794				1.085		1.108		0.949		\$202,840
		12/31/2016	48,460				1.085		1.086		0.959		54,760
		12/31/2017	35,444				1.085		1.065		0.969		39,687
	TOTAL FULL COVERAGE	12/31/2015											\$9,549,075
		12/31/2016											11,528,333
		12/31/2017											8,451,509

\* 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.

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	X	B/L INDEMNITY DEVELOPMENT FACTOR	X	UNALLOCATED LOSS ADJ FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000 BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2015	\$316,998		1.020		1.085		1.195		0.949		\$397,851
		12/31/2016	234,221		1.182		1.085		1.154		0.959		332,428
		12/31/2017	174,209		1.684		1.085		1.115		0.969		343,907
BI	ALAE	12/31/2015	\$131,747				1.085		1.195		0.949		\$162,108
		12/31/2016	82,629				1.085		1.154		0.959		99,217
		12/31/2017	111,517				1.085		1.115		0.969		130,728
PD	B/L INDEMNITY	12/31/2015	\$100		1.090		1.085		1.255		0.949		\$141
		12/31/2016	0		1.179		1.085		1.201		0.959		0
		12/31/2017	0		1.260		1.085		1.150		0.969		0
PD	ALAE	12/31/2015	\$620				1.085		1.255		0.949		\$801
		12/31/2016	0				1.085		1.201		0.959		0
		12/31/2017	0				1.085		1.150		0.969		0
MED PAY#	B/L INDEMNITY	12/31/2015	\$24,467				1.085		1.195		0.949		\$30,105
		12/31/2016	4,334				1.085		1.154		0.959		5,204
		12/31/2017	700				1.085		1.115		0.969		821
	TOTAL DED COVERAGE	12/31/2015											\$591,007
		12/31/2016											436,849
		12/31/2017											475,456
	TOTAL	12/31/2015											\$10,140,082
		12/31/2016											11,965,182
		12/31/2017											8,926,965

\* 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.

RHODE ISLAND  
Premises/Operations  
Manufacturers and Contractors  
Subline Code 334  
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Not Applicable	--
32	Not Applicable	--
33	Office Policy	0.916
34	Mercantile Policy	0.871
35	Institutional Policy	0.750
36	Service Policy	0.933
37	Industrial/Processing Policy	1.028
38	Contractors Policy	0.894

- (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.

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

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Motel/Hotel Policy	1.000
32	Apartment House Policy	0.917
33	Office Policy	0.995
34	Mercantile Policy	1.036
35	Institutional Policy	0.969
36	Service Policy	1.078
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.



RHODE ISLAND

PREMISES/OPERATIONS  
MANUFACTURERS AND CONTRACTORS

FULL & DEDUCTIBLE COMBINED  
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.021	1.017	0.6292	1.018	14,000,000
27 to 39 Months	1.000	0.999	0.3139	1.000	50,000,000
Accident Year Ending	Exposure Development From				
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
12/31/2015			1.000		1.000
12/31/2016		1.000	1.000		1.000
12/31/2017	1.018	1.000	1.000		1.018

(a) See Section E - Multistate Premium Development.

(b) See Section E - Statewide Premium Development.

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

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

RHODE ISLAND

PREMISES/OPERATIONS  
OWNERS LANDLORDS AND TENANTS

FULL & DEDUCTIBLE COMBINED  
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.003	1.004	0.3392	1.003	60,000,000
27 to 39 Months	1.000	1.000	0.1915	1.000	120,000,000
Accident Year Ending	Exposure Development From				
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		<u>Factor</u>
12/31/2015			1.000		1.000
12/31/2016		1.000	1.000		1.000
12/31/2017	1.003	1.000	1.000		1.003

(a) See Section E - Multistate Premium Development.

(b) See Section E - Statewide Premium Development.

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

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

RHODE ISLAND  
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2010	6,205,952	6,083,612	6,081,584	6,081,430	6,081,339	6,081,339	6,082,245	6,081,339
12/31/2011	6,246,728	6,291,800	6,280,676	6,279,978	6,279,260	6,280,558	6,279,260	
12/31/2012	6,595,172	6,671,177	6,672,538	6,670,962	6,671,062	6,670,953		
12/31/2013	7,051,235	7,168,248	7,146,271	7,143,245	7,145,883			
12/31/2014	7,397,010	7,555,489	7,545,844	7,546,557				
12/31/2015	7,978,709	8,155,621	8,154,004					
12/31/2016	8,384,524	8,460,635						
12/31/2017	8,629,731							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2010	0.980	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2011	1.007	0.998	1.000	1.000	1.000	1.000	
12/31/2012	1.012	1.000	1.000	1.000	1.000		
12/31/2013	1.017	0.997	1.000	1.000			
12/31/2014	1.021	0.999	1.000				
12/31/2015	1.022	1.000					
12/31/2016	1.009						
12/31/2017							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.017	0.999

RHODE ISLAND  
OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2010	7,430,131	7,440,314	7,440,423	7,440,445	7,440,445	7,440,452	7,440,452	7,440,452
12/31/2011	7,893,951	7,801,007	7,802,644	7,802,644	7,802,799	7,802,799	7,802,799	
12/31/2012	8,038,181	8,089,969	8,089,379	8,089,363	8,089,376	8,089,377		
12/31/2013	8,511,310	8,515,811	8,520,093	8,521,381	8,521,334			
12/31/2014	9,305,591	9,303,680	9,311,292	9,311,212				
12/31/2015	10,511,020	10,605,501	10,604,677					
12/31/2016	10,980,790	11,044,243						
12/31/2017	10,751,916							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2010	1.001	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2011	0.988	1.000	1.000	1.000	1.000	1.000	
12/31/2012	1.006	1.000	1.000	1.000	1.000		
12/31/2013	1.001	1.001	1.000	1.000			
12/31/2014	1.000	1.001	1.000				
12/31/2015	1.009	1.000					
12/31/2016	1.006						
12/31/2017							

Average Best 3 of 5

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

MULTISTATE  
MANUFACTURERS AND CONTRACTORS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2010	1,320,505,426	1,330,301,886	1,330,025,491	1,330,110,168	1,330,042,974	1,330,003,861	1,329,551,391	1,329,965,153
12/31/2011	1,320,933,009	1,344,357,378	1,344,093,043	1,344,096,248	1,343,856,188	1,343,219,732	1,343,796,738	
12/31/2012	1,368,414,644	1,396,172,567	1,396,155,236	1,395,562,174	1,395,557,433	1,396,568,571		
12/31/2013	1,427,875,663	1,456,733,177	1,454,426,119	1,453,988,019	1,455,495,732			
12/31/2014	1,478,203,029	1,523,931,630	1,522,178,569	1,523,727,406				
12/31/2015	1,517,470,831	1,546,244,925	1,547,118,392					
12/31/2016	1,521,987,339	1,557,479,007						
12/31/2017	1,595,519,160							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2010	1.007	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2011	1.018	1.000	1.000	1.000	1.000	1.000	
12/31/2012	1.020	1.000	1.000	1.000	1.001		
12/31/2013	1.020	0.998	1.000	1.001			
12/31/2014	1.031	0.999	1.001				
12/31/2015	1.019	1.001					
12/31/2016	1.023						
12/31/2017							

Average Best 3 of 5  
27:15      39:27  
1.021      1.000

MULTISTATE

OWNERS LANDLORDS AND TENANTS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2010	1,617,400,769	1,622,979,988	1,623,501,382	1,623,500,258	1,623,479,192	1,623,307,012	1,621,447,434	1,623,274,363
12/31/2011	1,587,535,547	1,596,265,068	1,597,300,001	1,597,253,105	1,596,374,167	1,593,801,319	1,596,552,301	
12/31/2012	1,625,220,331	1,650,169,103	1,650,362,506	1,648,987,444	1,646,143,465	1,648,873,889		
12/31/2013	1,711,038,788	1,716,796,048	1,714,034,151	1,710,985,334	1,714,695,403			
12/31/2014	1,802,171,691	1,802,647,700	1,799,449,668	1,803,403,855				
12/31/2015	1,934,870,137	1,935,199,350	1,939,232,563					
12/31/2016	2,005,612,025	2,014,894,669						
12/31/2017	2,040,054,757							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2010	1.003	1.000	1.000	1.000	1.000	0.999	1.001
12/31/2011	1.005	1.001	1.000	0.999	0.998	1.002	
12/31/2012	1.015	1.000	0.999	0.998	1.002		
12/31/2013	1.003	0.998	0.998	1.002			
12/31/2014	1.000	0.998	1.002				
12/31/2015	1.000	1.002					
12/31/2016	1.005						
12/31/2017							

Average Best 3 of 5  
27:15  
1.003

39:27  
1.000

## LOSS DEVELOPMENT DATA TABLE OF CONTENTS

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RHODE ISLAND

Premises/Operations

Manufacturers & Contractors

Bodily Injury

Full Coverage

Incurred Losses excluding ALAE

Calculation of Loss Development Factors

(1)	(2)	(3)	(4)	(5)	
EVALUATION PERIOD	MULTISTATE RATIO (A)	STATE RATIO (B)	CREDIBILITY (C)	WEIGHTED RATIO (D)	Credibility Constant (K <sub>i</sub> )
15 to 27 Months	1.561	1.344	0.4855	1.456	1,600,000
27 to 39 Months	1.265	1.219	0.5386	1.240	1,800,000
39 to 51 Months	1.066	1.197	0.5422	1.137	2,100,000
51 to 63 Months	0.999	1.051	0.5981	1.030	2,400,000
63 to 75 Months	0.992	1.010	0.5527	1.002	2,800,000
75 to 87 Months	0.995	0.990	0.5529	0.992	3,200,000
87 to 99 Months	0.996	0.996	0.5064	0.996	3,700,000
99 to 111 Months	0.999	1.005	0.4904	1.002	4,200,000
111 to 123 Months	0.998	1.000	0.4249	0.999	4,800,000
123 to 135 Months	1.000	1.000	0.3422	1.000	5,500,000
135 to 147 Months	1.000	1.000	0.2408	1.000	6,300,000
147 to 159 Months	1.001	1.000	0.2270	1.001	7,300,000
159 to 171 Months	1.000	1.000	0.2084	1.000	8,300,000
171 to 183 Months	0.999	1.000	0.2204	0.999	9,600,000
183 to 195 Months	1.000	1.000	0.2056	1.000	11,000,000
195 to 207 Months	1.001	1.000	0.1666	1.001	12,700,000
207 to 219 Months	1.001	1.000	0.1355	1.001	14,700,000
219 to 231 Months	1.001	1.000	0.0654	1.001	17,000,000
231 to 243 Months	1.001	1.000	0.0356	1.001	19,700,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
12/31/2015			1.137	1.030	1.002	0.992	0.996	1.002	0.999	1.000	1.000	
12/31/2016		1.240	1.137	1.030	1.002	0.992	0.996	1.002	0.999	1.000	1.000	
12/31/2017	1.456	1.240	1.137	1.030	1.002	0.992	0.996	1.002	0.999	1.000	1.000	

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
12/31/2015	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004	1.170
12/31/2016	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004	1.451
12/31/2017	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004	2.112

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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



RHODE ISLAND

Premises/Operations

Manufacturers & Contractors  
Bodily Injury  
Full and Deductible Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K <sub>i</sub> )
15 to 27 Months	0.0705	0.0244	0.4855	0.0481	1,600,000
27 to 39 Months	0.1039	0.0355	0.5386	0.0671	1,800,000
39 to 51 Months	0.0852	0.0926	0.5422	0.0892	2,100,000
51 to 63 Months	0.0534	0.0236	0.5981	0.0355	2,400,000
63 to 75 Months	0.0260	0.0305	0.5527	0.0285	2,800,000
75 to 87 Months	0.0166	0.0203	0.5529	0.0186	3,200,000
87 to 99 Months	0.0086	0.0034	0.5064	0.0060	3,700,000
99 to 111 Months	0.0040	0.0056	0.4904	0.0048	4,200,000
111 to 123 Months	0.0025	0.0010	0.4249	0.0019	4,800,000
123 to 135 Months	0.0008	0.0000	0.3422	0.0005	5,500,000
135 to 147 Months	0.0018	0.0000	0.2408	0.0014	6,300,000
147 to 159 Months	0.0013	0.0000	0.2270	0.0010	7,300,000
159 to 171 Months	0.0005	0.0000	0.2084	0.0004	8,300,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.303	0.255	0.188	0.099	0.063	0.035	0.016
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.010	0.005	0.003	0.003	0.001	0.000	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	199,593	2,101,250	0.188	395,034	594,627
12/31/2016	105,445	2,803,830	0.255	714,981	820,426
12/31/2017	31,481	2,159,480	0.303	654,327	685,808

Deductible Coverage

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	0	0	0.188	0	0
12/31/2016	0	17,482	0.255	4,458	4,458
12/31/2017	0	58,246	0.303	17,649	17,649

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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

RHODE ISLAND

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	1.101	1.094	0.4404	1.098	3,100,000
27 to 39 Months	1.035	1.059	0.4415	1.046	3,200,000
39 to 51 Months	1.016	1.034	0.4488	1.024	3,300,000
51 to 63 Months	1.006	1.008	0.4677	1.007	3,500,000
63 to 75 Months	1.005	0.991	0.4754	0.998	3,600,000
75 to 87 Months	1.005	1.016	0.4627	1.010	3,700,000
87 to 99 Months	1.006	1.017	0.4360	1.011	3,900,000
99 to 111 Months	1.005	0.989	0.4123	0.998	4,100,000
111 to 123 Months	1.006	1.019	0.3835	1.011	4,200,000
123 to 135 Months	1.002	1.000	0.3478	1.001	4,400,000
135 to 147 Months	1.001	1.002	0.3327	1.001	4,500,000
147 to 159 Months	1.002	1.000	0.3056	1.001	4,700,000
159 to 171 Months	1.002	1.000	0.2846	1.001	4,900,000
171 to 183 Months	1.000	0.996	0.2717	0.999	5,100,000
183 to 195 Months	1.000	1.000	0.2532	1.000	5,300,000
195 to 207 Months	1.000	1.000	0.2408	1.000	5,500,000
207 to 219 Months	1.000	1.000	0.2289	1.000	5,700,000
219 to 231 Months	1.001	1.000	0.1431	1.001	5,900,000
231 to 243 Months	1.001	1.000	0.0775	1.001	6,200,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year	Loss Development From										
Ending	27:15	39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2015			1.024	1.007	0.998	1.010	1.011	0.998	1.011	1.001	1.001
12/31/2016		1.046	1.024	1.007	0.998	1.010	1.011	0.998	1.011	1.001	1.001
12/31/2017	1.098	1.046	1.024	1.007	0.998	1.010	1.011	0.998	1.011	1.001	1.001
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2015	1.001	1.001	0.999	1.000	1.000	1.000	1.001	1.001	1.004		1.070
12/31/2016	1.001	1.001	0.999	1.000	1.000	1.000	1.001	1.001	1.004		1.119
12/31/2017	1.001	1.001	0.999	1.000	1.000	1.000	1.001	1.001	1.004		1.229

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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

RHODE ISLAND

Premises/Operations

Manufacturers & Contractors  
Property Damage  
Full and Deductible Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K <sub>i</sub> )
15 to 27 Months	0.0451	0.0158	0.4404	0.0322	3,100,000
27 to 39 Months	0.0449	0.0229	0.4415	0.0352	3,200,000
39 to 51 Months	0.0429	0.0100	0.4488	0.0281	3,300,000
51 to 63 Months	0.0267	0.0239	0.4677	0.0254	3,500,000
63 to 75 Months	0.0190	0.0089	0.4754	0.0142	3,600,000
75 to 87 Months	0.0117	0.0019	0.4627	0.0072	3,700,000
87 to 99 Months	0.0110	0.0033	0.4360	0.0077	3,900,000
99 to 111 Months	0.0096	0.0092	0.4123	0.0094	4,100,000
111 to 123 Months	0.0097	0.0150	0.3835	0.0118	4,200,000
123 to 135 Months	0.0067	0.0000	0.3478	0.0044	4,400,000
135 to 147 Months	0.0032	0.0000	0.3327	0.0021	4,500,000
147 to 159 Months	0.0032	0.0000	0.3056	0.0022	4,700,000
159 to 171 Months	0.0032	0.0000	0.2846	0.0023	4,900,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.182	0.150	0.115	0.087	0.061	0.047	0.040
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.032	0.023	0.011	0.007	0.004	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	321,443	2,304,047	0.115	264,966	586,409
12/31/2016	57,847	2,063,389	0.150	309,511	367,358
12/31/2017	10,037	674,314	0.182	122,725	132,762

Deductible Coverage

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	2,854	98,885	0.115	11,372	14,226
12/31/2016	5,965	67,441	0.150	10,116	16,081
12/31/2017	0	11,219	0.182	2,042	2,042

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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

RHODE ISLAND

Premises/Operations

Manufacturers & Contractors

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.2130
27 to 39 Months	0.2615
39 to 51 Months	0.1786
51 to 63 Months	0.1365
63 to 75 Months	0.0674
75 to 87 Months	0.0450
87 to 99 Months	0.0201
99 to 111 Months	0.0284
111 to 123 Months	0.0048
123 to 135 Months	0.0024
135 to 147 Months	0.0018
147 to 159 Months	0.0082
159 to 171 Months	0.0005
171 to Ultimate	A multistate ratio of 0.0000 has been used.

  

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.968	0.755	0.494	0.315	0.179	0.111	0.066
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.046	0.018	0.013	0.010	0.009	0.001	0.000

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	6,239	330,553	0.494	163,294	169,533
12/31/2016	3,600	1,386	0.755	1,046	4,646
12/31/2017	0	82,680	0.968	80,035	80,035

(A) See Section E - Multistate Loss Development.

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

RHODE ISLAND

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 (K <sub>i</sub> )
15 to 27 Months	1.323	1.247	0.8409	1.259	1,500,000
27 to 39 Months	1.134	1.215	0.8178	1.200	2,000,000
39 to 51 Months	1.020	1.121	0.7841	1.099	2,700,000
51 to 63 Months	0.988	1.006	0.7441	1.001	3,600,000
63 to 75 Months	0.993	1.003	0.6509	1.000	4,800,000
75 to 87 Months	0.992	0.977	0.6143	0.983	6,400,000
87 to 99 Months	0.995	0.996	0.5535	0.996	8,600,000
99 to 111 Months	0.998	1.010	0.4867	1.004	11,600,000
111 to 123 Months	0.999	0.995	0.3632	0.998	15,600,000
123 to 135 Months	1.000	1.004	0.2599	1.001	21,000,000
135 to 147 Months	0.999	0.995	0.1812	0.998	28,300,000
147 to 159 Months	1.000	1.000	0.1653	1.000	38,000,000
159 to 171 Months	1.001	1.000	0.1271	1.001	51,300,000
171 to 183 Months	1.001	1.000	0.1100	1.001	69,100,000
183 to 195 Months	1.000	1.000	0.0837	1.000	93,200,000
195 to 207 Months	1.000	1.000	0.0688	1.000	125,900,000
207 to 219 Months	1.000	1.000	0.0465	1.000	170,000,000
219 to 231 Months	1.000	1.000	0.0230	1.000	229,800,000
231 to 243 Months	1.000	1.000	0.0077	1.000	310,800,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
12/31/2015			1.099	1.001	1.000	0.983	0.996	1.004	0.998	1.001	0.998	
12/31/2016		1.200	1.099	1.001	1.000	0.983	0.996	1.004	0.998	1.001	0.998	
12/31/2017	1.259	1.200	1.099	1.001	1.000	0.983	0.996	1.004	0.998	1.001	0.998	
	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor		
12/31/2015	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.080		
12/31/2016	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.296		
12/31/2017	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.632		

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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

RHODE ISLAND

Premises/Operations

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

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K <sub>i</sub> )
15 to 27 Months	0.0747	0.0269	0.8409	0.0345	1,500,000
27 to 39 Months	0.0861	0.0586	0.8178	0.0636	2,000,000
39 to 51 Months	0.0589	0.0572	0.7841	0.0576	2,700,000
51 to 63 Months	0.0282	0.0120	0.7441	0.0161	3,600,000
63 to 75 Months	0.0115	0.0218	0.6509	0.0182	4,800,000
75 to 87 Months	0.0061	-0.0023	0.6143	0.0009	6,400,000
87 to 99 Months	0.0036	0.0015	0.5535	0.0024	8,600,000
99 to 111 Months	0.0028	0.0028	0.4867	0.0028	11,600,000
111 to 123 Months	0.0010	-0.0031	0.3632	-0.0005	15,600,000
123 to 135 Months	0.0013	0.0007	0.2599	0.0011	21,000,000
135 to 147 Months	0.0012	-0.0013	0.1812	0.0008	28,300,000
147 to 159 Months	0.0013	0.0000	0.1653	0.0011	38,000,000
159 to 171 Months	0.0019	0.0000	0.1271	0.0016	51,300,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.200	0.166	0.102	0.045	0.028	0.010	0.009
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.007	0.004	0.005	0.004	0.003	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	777,486	7,418,271	0.102	756,665	1,534,151
12/31/2016	605,322	10,621,436	0.166	1,763,157	2,368,479
12/31/2017	401,277	6,358,770	0.200	1,271,757	1,673,034

Deductible Coverage

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	85,833	450,136	0.102	45,914	131,747
12/31/2016	12,224	424,131	0.166	70,405	82,629
12/31/2017	38,384	365,666	0.200	73,133	111,517

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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

RHODE ISLAND

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	1.098	0.995	0.4163	1.055	1,200,000
27 to 39 Months	1.047	1.018	0.3731	1.036	1,300,000
39 to 51 Months	1.023	1.015	0.2891	1.021	1,500,000
51 to 63 Months	1.010	0.999	0.3444	1.006	1,600,000
63 to 75 Months	1.007	1.000	0.3366	1.005	1,800,000
75 to 87 Months	1.007	1.003	0.3209	1.006	2,000,000
87 to 99 Months	1.008	1.000	0.2746	1.006	2,200,000
99 to 111 Months	1.006	1.000	0.2286	1.005	2,400,000
111 to 123 Months	1.002	1.001	0.1818	1.002	2,700,000
123 to 135 Months	1.001	1.000	0.1816	1.001	3,000,000
135 to 147 Months	1.002	1.000	0.1751	1.002	3,400,000
147 to 159 Months	0.999	1.000	0.2151	0.999	3,700,000
159 to 171 Months	1.002	1.000	0.1740	1.002	4,200,000
171 to 183 Months	1.001	1.000	0.1544	1.001	4,700,000
183 to 195 Months	1.002	1.000	0.1340	1.002	5,200,000
195 to 207 Months	1.002	1.000	0.1381	1.002	5,800,000
207 to 219 Months	1.002	1.000	0.1268	1.002	6,500,000
219 to 231 Months	1.003	1.000	0.0656	1.003	7,300,000
231 to 243 Months	1.003	1.000	0.0212	1.003	8,200,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From									
		39:27	51:39	63:51	75:63	87:75	99:87	111:99	123:111	135:123	147:135
12/31/2015			1.021	1.006	1.005	1.006	1.006	1.005	1.002	1.001	1.002
12/31/2016		1.036	1.021	1.006	1.005	1.006	1.006	1.005	1.002	1.001	1.002
12/31/2017	1.055	1.036	1.021	1.006	1.005	1.006	1.006	1.005	1.002	1.001	1.002
	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>ULT:243</u>		<u>Factor</u>
12/31/2015	0.999	1.002	1.001	1.002	1.002	1.002	1.003	1.003	1.012		1.083
12/31/2016	0.999	1.002	1.001	1.002	1.002	1.002	1.003	1.003	1.012		1.122
12/31/2017	0.999	1.002	1.001	1.002	1.002	1.002	1.003	1.003	1.012		1.184

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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

RHODE ISLAND

Premises/Operations

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

Calculation of Cumulative Incremental Factors

(1) EVALUATION PERIOD	(2) MULTISTATE RATIO (A)	(3) STATE RATIO (B)	(4) CREDIBILITY (C)	(5) WEIGHTED RATIO (D)	Credibility Constant (K <sub>i</sub> )
15 to 27 Months	0.0704	0.0374	0.4163	0.0567	1,200,000
27 to 39 Months	0.0875	0.0128	0.3731	0.0596	1,300,000
39 to 51 Months	0.0755	0.0876	0.2891	0.0790	1,500,000
51 to 63 Months	0.0500	0.0125	0.3444	0.0371	1,600,000
63 to 75 Months	0.0369	0.0088	0.3366	0.0274	1,800,000
75 to 87 Months	0.0274	0.0294	0.3209	0.0280	2,000,000
87 to 99 Months	0.0157	0.0114	0.2746	0.0145	2,200,000
99 to 111 Months	0.0231	0.0576	0.2286	0.0310	2,400,000
111 to 123 Months	0.0094	0.0153	0.1818	0.0104	2,700,000
123 to 135 Months	0.0111	0.0002	0.1816	0.0091	3,000,000
135 to 147 Months	0.0031	0.0000	0.1751	0.0026	3,400,000
147 to 159 Months	0.0025	0.0000	0.2151	0.0020	3,700,000
159 to 171 Months	0.0021	0.0000	0.1740	0.0017	4,200,000
171 to Ultimate	A multistate ratio of 0.0000 has been used.				

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.359	0.302	0.243	0.164	0.127	0.099	0.071
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.057	0.026	0.015	0.006	0.004	0.002	0.000

Full Coverage

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	117,267	425,232	0.243	103,335	220,602
12/31/2016	69,369	507,500	0.302	153,265	222,634
12/31/2017	91,932	341,600	0.359	122,635	214,567

Deductible Coverage

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	592	114	0.243	28	620
12/31/2016	0	0	0.302	0	0
12/31/2017	0	0	0.359	0	0

(A) See Section E - Multistate Loss Development.

(B) See Section E - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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



RHODE ISLAND

Premises/Operations

Owners, Landlords & Tenants

Fringe

Full Coverage

ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.2290
27 to 39 Months	0.2235
39 to 51 Months	0.2007
51 to 63 Months	0.1743
63 to 75 Months	0.0818
75 to 87 Months	0.0326
87 to 99 Months	0.0147
99 to 111 Months	0.0142
111 to 123 Months	0.0094
123 to 135 Months	0.0039
135 to 147 Months	0.0023
147 to 159 Months	0.0096
159 to 171 Months	0.0013
171 to Ultimate	A multistate ratio of 0.0000 has been used.

  

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.997	0.768	0.545	0.344	0.170	0.088	0.055
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.041	0.026	0.017	0.013	0.011	0.001	0.000

  

A.Y.E.	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	Ultimate ALAE
12/31/2015	153,303	44,937	0.545	24,491	177,794
12/31/2016	0	63,099	0.768	48,460	48,460
12/31/2017	50	35,500	0.997	35,394	35,444

(A) See Section E - Multistate Loss Development.

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

PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 RHODE ISLAND  
 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
12/31/1998	199,148	427,458	389,238	454,210	689,610	709,610	692,440	727,440	727,440	727,440	727,440
12/31/1999	260,415	288,268	522,668	551,669	589,561	556,061	566,061	566,061	462,061	462,061	462,061
12/31/2000	452,732	649,071	957,136	987,529	1,033,286	1,116,447	1,149,947	1,114,947	1,194,947	1,204,947	1,204,947
12/31/2001	539,880	655,263	769,783	906,559	1,038,056	1,030,558	1,061,070	961,071	961,071	961,071	961,571
12/31/2002	537,131	481,156	530,404	776,772	798,277	799,874	794,875	769,874	769,874	769,874	769,874
12/31/2003	359,150	535,569	726,292	975,120	1,097,275	1,069,642	1,046,893	946,893	946,893	946,893	946,893
12/31/2004	217,954	293,967	250,357	650,815	534,149	437,649	445,149	445,149	432,129	432,129	432,129
12/31/2005	190,438	414,196	626,834	807,803	683,669	730,094	781,094	765,094	765,094	765,094	765,094
12/31/2006	358,347	437,704	488,645	608,628	656,125	730,533	750,533	775,533	800,533	800,533	800,533
12/31/2007	446,499	769,980	1,102,297	1,283,795	1,360,587	1,377,587	1,295,837	1,295,837	1,295,837	1,295,837	1,320,837
12/31/2008	397,996	879,534	1,176,141	1,402,302	1,452,718	1,425,219	1,466,521	1,426,521	1,449,716	1,357,014	
12/31/2009	340,026	875,295	1,082,232	1,239,057	1,290,054	1,385,073	1,334,875	1,318,875	1,218,875		
12/31/2010	493,221	516,172	814,266	950,107	1,074,107	989,099	994,899	994,849			
12/31/2011	673,572	996,422	1,303,746	1,426,121	1,400,759	1,582,319	1,582,419				
12/31/2012	508,249	764,065	834,919	865,391	985,031	960,431					
12/31/2013	554,493	700,079	880,140	1,279,471	1,194,599						
12/31/2014	587,508	794,337	772,422	1,027,172							
12/31/2015	436,618	606,375	931,651								
12/31/2016	485,539	626,700									
12/31/2017	516,567										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	727,440	727,440	727,440	727,440	727,440	727,440	727,440	727,440	727,440
12/31/1999	462,061	462,061	462,061	462,061	462,061	462,061	462,061	462,061	
12/31/2000	1,184,947	1,114,947	1,114,947	1,114,947	1,114,947	1,114,947	1,114,947		
12/31/2001	961,571	961,571	961,571	961,571	961,571	961,571			
12/31/2002	769,874	769,874	769,874	769,874	769,874				
12/31/2003	946,893	982,893	982,893	1,031,393					
12/31/2004	432,129	432,129	432,129						
12/31/2005	765,094	765,094							
12/31/2006	800,533								

PREMISES/OPERATIONS (Subline Code 334)  
MANUFACTURERS AND CONTRACTORS  
FULL COVERAGE  
RHODE ISLAND  
BODILY INJURY - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE  
Link Ratios

A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1998	2.146	0.911	1.167	1.518	1.029	0.976	1.051	1.000	1.000	1.000	1.000
12/31/1999	1.107	1.813	1.055	1.069	0.943	1.018	1.000	0.816	1.000	1.000	1.000
12/31/2000	1.434	1.475	1.032	1.046	1.080	1.030	0.970	1.072	1.008	1.000	0.983
12/31/2001	1.214	1.175	1.178	1.145	0.993	1.030	0.906	1.000	1.000	1.001	1.000
12/31/2002	0.896	1.102	1.464	1.028	1.002	0.994	0.969	1.000	1.000	1.000	1.000
12/31/2003	1.491	1.356	1.343	1.125	0.975	0.979	0.904	1.000	1.000	1.000	1.000
12/31/2004	1.349	0.852	2.600	0.821	0.819	1.017	1.000	0.971	1.000	1.000	1.000
12/31/2005	2.175	1.513	1.289	0.846	1.068	1.070	0.980	1.000	1.000	1.000	1.000
12/31/2006	1.221	1.116	1.246	1.078	1.113	1.027	1.033	1.032	1.000	1.000	1.000
12/31/2007	1.724	1.432	1.165	1.060	1.012	0.941	1.000	1.000	1.000	1.019	
12/31/2008	2.210	1.337	1.192	1.036	0.981	1.029	0.973	1.016	0.936		
12/31/2009	2.574	1.236	1.145	1.041	1.074	0.964	0.988	0.924			
12/31/2010	1.047	1.578	1.167	1.131	0.921	1.006	1.000				
12/31/2011	1.479	1.308	1.094	0.982	1.130	1.000					
12/31/2012	1.503	1.093	1.036	1.138	0.975						
12/31/2013	1.263	1.257	1.454	0.934							
12/31/2014	1.352	0.972	1.330								
12/31/2015	1.389	1.536									
12/31/2016	1.291										
3 Yr Mean	1.344	1.255	1.273	1.018	1.009	0.990	0.987	0.980	0.979	1.006	1.000
Best 3/5	1.344	1.219	1.197	1.051	1.010	0.990	0.996	1.005	1.000	1.000	1.000

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	0.941	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	1.038	1.000	1.049								
12/31/2004	1.000	1.000									
12/31/2005	1.000										
3 Yr Mean	1.013	1.000	1.016	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2013					1.010	0.990	0.996	1.005	1.000	1.000	1.000
12/31/2014				1.051	1.010	0.990	0.996	1.005	1.000	1.000	1.000
12/31/2015			1.197	1.051	1.010	0.990	0.996	1.005	1.000	1.000	1.000
12/31/2016		1.219	1.197	1.051	1.010	0.990	0.996	1.005	1.000	1.000	1.000
12/31/2017	1.344	1.219	1.197	1.051	1.010	0.990	0.996	1.005	1.000	1.000	1.000

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.001
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.052
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.259
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.535
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	2.063

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	8,500	48,171	74,573	150,617	192,561	240,717	233,222	229,353	229,353	229,353	229,353
12/31/1999	35,837	63,938	144,817	218,683	343,764	432,605	468,909	469,428	193,729	193,729	193,729
12/31/2000	15,046	67,498	150,708	238,160	308,384	345,265	367,982	380,420	393,370	393,575	393,575
12/31/2001	107,455	111,709	199,226	332,324	437,842	485,556	405,660	369,997	376,181	376,183	374,047
12/31/2002	56,810	121,908	165,543	338,411	335,723	426,009	445,721	440,327	447,457	447,634	450,478
12/31/2003	61,784	64,683	79,716	157,002	212,206	235,898	240,215	253,558	253,558	253,558	253,558
12/31/2004	9,854	47,911	63,024	158,791	158,483	213,043	229,491	235,601	237,612	237,612	237,612
12/31/2005	6,750	20,644	79,666	157,312	182,892	211,746	239,692	254,646	254,695	254,695	254,695
12/31/2006	8,615	9,224	27,943	54,187	88,098	179,501	209,282	217,803	221,716	221,716	221,716
12/31/2007	36,282	349,503	500,560	854,684	862,725	794,259	574,878	579,447	587,316	595,345	606,572
12/31/2008	19,043	110,244	160,296	301,997	402,928	361,256	414,792	410,029	437,070	457,276	
12/31/2009	18,563	39,366	197,813	370,075	402,916	493,897	484,190	525,797	550,395		
12/31/2010	33,858	32,411	86,901	215,162	284,321	520,079	760,486	759,646			
12/31/2011	97,585	141,025	289,786	556,601	628,574	810,387	936,690				
12/31/2012	22,996	315,574	103,535	159,664	236,553	238,133					
12/31/2013	37,184	37,336	133,306	354,839	321,681						
12/31/2014	53,075	70,399	100,869	620,472							
12/31/2015	39,803	108,705	177,357								
12/31/2016	69,437	104,667									
12/31/2017	30,476										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	229,353	229,353	229,353	229,353	229,353	229,353	229,353	229,353	229,353
12/31/1999	193,729	193,729	193,729	193,729	193,729	193,729	193,729	193,729	
12/31/2000	392,997	391,413	391,413	391,413	391,413	391,413	391,413		
12/31/2001	374,047	374,047	374,047	374,047	374,047	374,047			
12/31/2002	450,656	450,656	450,656	450,656	450,656				
12/31/2003	253,558	253,558	253,558	259,862					
12/31/2004	237,612	237,612	237,612						
12/31/2005	254,695	254,695							
12/31/2006	221,716								

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	39,671	26,402	76,044	41,944	48,156	-7,495	-3,869	0	0	0	0	0	0
12/31/1999	28,101	80,879	73,866	125,081	88,841	36,304	519	-275,699	0	0	0	0	0
12/31/2000	52,452	83,210	87,452	70,224	36,881	22,717	12,438	12,950	205	0	-578	-1,584	0
12/31/2001	4,254	87,517	133,098	105,518	47,714	-79,896	-35,663	6,184	2	-2,136	0	0	0
12/31/2002	65,098	43,635	172,868	-2,688	90,286	19,712	-5,394	7,130	177	2,844	178	0	0
12/31/2003	2,899	15,033	77,286	55,204	23,692	4,317	13,343	0	0	0	0	0	0
12/31/2004	38,057	15,113	95,767	-308	54,560	16,448	6,110	2,011	0	0	0	0	0
12/31/2005	13,894	59,022	77,646	25,580	28,854	27,946	14,954	49	0	0	0	0	0
12/31/2006	609	18,719	26,244	33,911	91,403	29,781	8,521	3,913	0	0	0	0	0
12/31/2007	313,221	151,057	354,124	8,041	-68,466	-219,381	4,569	7,869	8,029	11,227	0	0	0
12/31/2008	91,201	50,052	141,701	100,931	-41,672	53,536	-4,763	27,041	20,206	0	0	0	0
12/31/2009	20,803	158,447	172,262	32,841	90,981	-9,707	41,607	24,598	0	0	0	0	0
12/31/2010	-1,447	54,490	128,261	69,159	235,758	240,407	-840	0	0	0	0	0	0
12/31/2011	43,440	148,761	266,815	71,973	181,813	126,303	0	0	0	0	0	0	0
12/31/2012	292,578	-212,039	56,129	76,889	1,580	0	0	0	0	0	0	0	0
12/31/2013	152	95,970	221,533	-33,158	0	0	0	0	0	0	0	0	0
12/31/2014	17,324	30,470	519,603	0	0	0	0	0	0	0	0	0	0
12/31/2015	68,902	68,652	0	0	0	0	0	0	0	0	0	0	0
12/31/2016	35,230	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	0.0398	0.0265	0.0762	0.0421	0.0483	-0.0075	-0.0039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/1999	0.0608	0.1750	0.1599	0.2707	0.1923	0.0786	0.0011	-0.5967	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2000	0.0212	0.0336	0.0353	0.0283	0.0149	0.0092	0.0050	0.0052	0.0001	0.0000	-0.0002	-0.0006	0.0000
12/31/2001	0.0024	0.0493	0.0749	0.0594	0.0269	-0.0450	-0.0201	0.0035	0.0000	-0.0012	0.0000	0.0000	0.0000
12/31/2002	0.0476	0.0319	0.1263	-0.0020	0.0660	0.0144	-0.0039	0.0052	0.0001	0.0021	0.0001	0.0000	0.0000
12/31/2003	0.0021	0.0111	0.0570	0.0407	0.0175	0.0032	0.0098	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2004	0.0789	0.0313	0.1984	-0.0006	0.1131	0.0341	0.0127	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2005	0.0151	0.0641	0.0843	0.0278	0.0313	0.0303	0.0162	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2006	0.0006	0.0194	0.0272	0.0352	0.0948	0.0309	0.0088	0.0041	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2007	0.1224	0.0590	0.1383	0.0031	-0.0267	-0.0857	0.0018	0.0031	0.0031	0.0044			
12/31/2008	0.0458	0.0251	0.0711	0.0506	-0.0209	0.0269	-0.0024	0.0136	0.0101				
12/31/2009	0.0082	0.0626	0.0681	0.0130	0.0360	-0.0038	0.0164	0.0097					
12/31/2010	-0.0008	0.0284	0.0669	0.0361	0.1230	0.1254	-0.0004						
12/31/2011	0.0130	0.0446	0.0800	0.0216	0.0545	0.0379							
12/31/2012	0.1808	-0.1310	0.0347	0.0475	0.0010								
12/31/2013	0.0001	0.0567	0.1308	-0.0196									
12/31/2014	0.0101	0.0177	0.3016										
12/31/2015	0.0443	0.0442											
12/31/2016	0.0187												

Best 3/5	0.0244	0.0355	0.0926	0.0236	0.0305	0.0203	0.0034	0.0056	0.0010	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
MANUFACTURERS AND CONTRACTORS  
FULL COVERAGE  
RHODE ISLAND  
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
12/31/1998	478,583	557,270	545,458	497,062	636,697	512,422	512,421	518,921	518,921	518,921	518,921
12/31/1999	456,003	444,370	517,223	486,498	459,597	459,597	463,097	467,327	457,327	464,702	464,702
12/31/2000	533,973	721,679	711,813	705,238	754,238	703,238	743,238	743,237	703,238	753,238	753,238
12/31/2001	430,465	466,733	526,026	542,477	592,077	569,577	569,578	588,578	588,578	588,578	588,578
12/31/2002	442,325	578,598	594,521	530,521	521,054	517,022	517,022	517,022	517,022	517,022	517,022
12/31/2003	723,355	830,302	787,372	859,671	826,690	773,931	777,431	797,431	797,431	797,431	797,431
12/31/2004	496,205	599,535	624,256	638,239	629,241	630,166	664,241	668,191	635,191	635,191	635,191
12/31/2005	506,812	565,179	529,199	746,166	756,166	671,395	671,395	642,393	621,393	621,393	621,393
12/31/2006	710,346	762,966	724,622	859,790	861,817	864,317	894,317	889,317	889,416	939,317	986,842
12/31/2007	552,929	706,505	734,128	654,515	730,195	771,195	803,695	843,695	786,195	786,195	786,195
12/31/2008	530,406	818,994	801,219	881,727	885,227	881,227	887,027	887,035	937,035	997,027	
12/31/2009	826,987	898,592	984,331	1,078,533	1,101,033	1,085,933	1,145,933	1,145,933	1,145,933		
12/31/2010	876,628	929,666	997,190	1,000,940	1,002,441	981,376	981,376	1,031,376			
12/31/2011	891,125	1,168,361	1,084,970	1,122,085	1,124,535	1,118,925	1,118,925				
12/31/2012	905,011	975,595	1,050,079	1,140,079	1,135,313	1,127,760					
12/31/2013	621,913	709,437	764,373	813,220	851,362						
12/31/2014	896,179	851,465	872,874	877,461							
12/31/2015	748,216	968,255	1,171,333								
12/31/2016	795,078	845,424									
12/31/2017	451,101										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	520,921	520,921	520,921	520,921	520,921	520,921	520,921	520,921	520,921
12/31/1999	464,702	464,702	464,702	464,702	464,702	464,702	464,702	464,702	
12/31/2000	753,238	706,778	706,778	706,778	706,778	706,778	706,778		
12/31/2001	588,578	588,578	588,578	573,327	573,327	573,327			
12/31/2002	517,022	517,022	517,022	517,022	517,022				
12/31/2003	807,431	797,431	797,431	788,431					
12/31/2004	635,191	635,191	635,191						
12/31/2005	625,890	625,890							
12/31/2006	986,842								

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

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1998	1.164	0.979	0.911	1.281	0.805	1.000	1.013	1.000	1.000	1.000	1.004
12/31/1999	0.974	1.164	0.941	0.945	1.000	1.008	1.009	0.979	1.016	1.000	1.000
12/31/2000	1.352	0.986	0.991	1.069	0.932	1.057	1.000	0.946	1.071	1.000	1.000
12/31/2001	1.084	1.127	1.031	1.091	0.962	1.000	1.033	1.000	1.000	1.000	1.000
12/31/2002	1.308	1.028	0.892	0.982	0.992	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.148	0.948	1.092	0.962	0.936	1.005	1.026	1.000	1.000	1.000	1.013
12/31/2004	1.208	1.041	1.022	0.986	1.001	1.054	1.006	0.951	1.000	1.000	1.000
12/31/2005	1.115	0.936	1.410	1.013	0.888	1.000	0.957	0.967	1.000	1.000	1.007
12/31/2006	1.074	0.950	1.187	1.002	1.003	1.035	0.994	1.000	1.056	1.051	1.000
12/31/2007	1.278	1.039	0.892	1.116	1.056	1.042	1.050	0.932	1.000	1.000	
12/31/2008	1.544	0.978	1.100	1.004	0.995	1.007	1.000	1.056	1.064		
12/31/2009	1.087	1.095	1.096	1.021	0.986	1.055	1.000	1.000			
12/31/2010	1.061	1.073	1.004	1.001	0.979	1.000	1.051				
12/31/2011	1.311	0.929	1.034	1.002	0.995	1.000					
12/31/2012	1.078	1.076	1.086	0.996	0.993						
12/31/2013	1.141	1.077	1.064	1.047							
12/31/2014	0.950	1.025	1.005								
12/31/2015	1.294	1.210									
12/31/2016	1.063										
3 Yr Mean	1.102	1.104	1.052	1.015	0.989	1.018	1.017	0.996	1.040	1.017	1.002
Best 3/5	1.094	1.059	1.034	1.008	0.991	1.016	1.017	0.989	1.019	1.000	1.002

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	0.938	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2001	1.000	1.000	0.974	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	0.988	1.000	0.989								
12/31/2004	1.000	1.000									
12/31/2005	1.000										
3 Yr Mean	0.996	1.000	0.988	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	0.996	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2013					0.991	1.016	1.017	0.989	1.019	1.000	1.002
12/31/2014				1.008	0.991	1.016	1.017	0.989	1.019	1.000	1.002
12/31/2015			1.034	1.008	0.991	1.016	1.017	0.989	1.019	1.000	1.002
12/31/2016		1.059	1.034	1.008	0.991	1.016	1.017	0.989	1.019	1.000	1.002
12/31/2017	1.094	1.059	1.034	1.008	0.991	1.016	1.017	0.989	1.019	1.000	1.002

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
12/31/2013	1.000	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000*	1.030
12/31/2014	1.000	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000*	1.038
12/31/2015	1.000	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000*	1.073
12/31/2016	1.000	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000*	1.137
12/31/2017	1.000	1.000	0.996	1.000	1.000	1.000	1.000	1.000	1.000*	1.244

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	146,624	26,531	61,391	78,455	126,370	141,121	154,061	137,360	137,360	137,360	137,360
12/31/1999	20,027	26,713	35,281	51,044	59,855	65,074	66,370	63,043	63,043	63,043	63,043
12/31/2000	80,465	116,865	125,772	153,412	163,329	135,143	207,966	168,686	167,026	167,026	167,026
12/31/2001	20,693	30,685	24,794	41,958	45,856	51,182	63,712	80,661	83,712	89,712	109,713
12/31/2002	6,198	29,822	47,411	54,487	68,124	68,949	68,949	68,949	68,949	68,949	68,949
12/31/2003	19,038	31,322	45,168	60,269	60,887	61,251	61,251	81,252	81,252	81,252	81,252
12/31/2004	18,760	96,084	178,502	247,843	252,395	306,164	334,556	351,410	345,425	345,425	345,425
12/31/2005	10,498	38,342	42,212	112,309	108,821	98,681	99,027	102,742	137,097	137,097	137,097
12/31/2006	59,349	86,489	67,447	91,926	108,835	147,541	147,541	147,541	153,860	209,798	221,894
12/31/2007	18,852	139,867	170,603	179,159	184,597	203,885	123,978	123,978	120,522	120,522	120,522
12/31/2008	6,199	5,736	10,761	26,812	32,345	38,381	48,526	59,779	85,542	137,679	
12/31/2009	49,660	70,490	125,581	101,546	105,453	121,417	130,655	131,255	131,775		
12/31/2010	26,667	46,182	81,159	93,857	112,861	128,910	128,912	144,022			
12/31/2011	15,629	56,323	64,962	99,012	144,481	168,586	169,829				
12/31/2012	25,617	76,368	82,216	129,435	191,191	197,037					
12/31/2013	62,666	69,926	130,047	130,607	171,745						
12/31/2014	39,723	54,581	85,529	81,582							
12/31/2015	26,051	252,819	321,799								
12/31/2016	48,210	56,092									
12/31/2017	10,034										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	137,360	137,360	137,360	137,360	137,360	137,360	137,360	137,360	137,360
12/31/1999	63,043	63,043	63,043	63,043	63,043	63,043	63,043	63,043	
12/31/2000	167,026	167,026	167,026	167,026	167,026	167,026	167,026		
12/31/2001	109,714	109,715	109,716	96,635	96,635	96,635			
12/31/2002	68,949	68,949	68,949	68,949	68,949				
12/31/2003	81,252	81,251	93,251	93,252					
12/31/2004	345,425	345,425	345,425						
12/31/2005	137,166	137,166							
12/31/2006	232,106								



PREMISES/OPERATIONS (Subline Code 334)  
MANUFACTURERS AND CONTRACTORS  
FULL COVERAGE  
RHODE ISLAND  
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
12/31/1998	-120,093	34,860	17,064	47,915	14,751	12,940	-16,701	0	0	0	0	0	0
12/31/1999	6,686	8,568	15,763	8,811	5,219	1,296	-3,327	0	0	0	0	0	0
12/31/2000	36,400	8,907	27,640	9,917	-28,186	72,823	-39,280	-1,660	0	0	0	0	0
12/31/2001	9,992	-5,891	17,164	3,898	5,326	12,530	16,949	3,051	6,000	20,001	1	1	1
12/31/2002	23,624	17,589	7,076	13,637	825	0	0	0	0	0	0	0	0
12/31/2003	12,284	13,846	15,101	618	364	0	20,001	0	0	0	0	-1	12,000
12/31/2004	77,324	82,418	69,341	4,552	53,769	28,392	16,854	-5,985	0	0	0	0	0
12/31/2005	27,844	3,870	70,097	-3,488	-10,140	346	3,715	34,355	0	0	69	0	0
12/31/2006	27,140	-19,042	24,479	16,909	38,706	0	0	6,319	55,938	12,096	10,212		
12/31/2007	121,015	30,736	8,556	5,438	19,288	-79,907	0	-3,456	0	0			
12/31/2008	-463	5,025	16,051	5,533	6,036	10,145	11,253	25,763	52,137				
12/31/2009	20,830	55,091	-24,035	3,907	15,964	9,238	600	520					
12/31/2010	19,515	34,977	12,698	19,004	16,049	2	15,110						
12/31/2011	40,694	8,639	34,050	45,469	24,105	1,243							
12/31/2012	50,751	5,848	47,219	61,756	5,846								
12/31/2013	7,260	60,121	560	41,138									
12/31/2014	14,858	30,948	-3,947										
12/31/2015	226,768	68,980											
12/31/2016	7,882												

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
12/31/1998	-0.1659	0.0482	0.0236	0.0662	0.0204	0.0179	-0.0231	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/1999	0.0093	0.0119	0.0219	0.0123	0.0073	0.0018	-0.0046	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2000	0.0512	0.0125	0.0389	0.0139	-0.0396	0.1024	-0.0552	-0.0023	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2001	0.0173	-0.0102	0.0297	0.0068	0.0092	0.0217	0.0294	0.0053	0.0104	0.0346	0.0000	0.0000	0.0000
12/31/2002	0.0415	0.0309	0.0124	0.0239	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2003	0.0151	0.0170	0.0185	0.0008	0.0004	0.0000	0.0245	0.0000	0.0000	0.0000	0.0000	0.0000	0.0147
12/31/2004	0.0622	0.0663	0.0557	0.0037	0.0432	0.0228	0.0136	-0.0048	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2005	0.0440	0.0061	0.1109	-0.0055	-0.0160	0.0005	0.0059	0.0543	0.0000	0.0000	0.0001	0.0000	
12/31/2006	0.0219	-0.0153	0.0197	0.0136	0.0312	0.0000	0.0000	0.0051	0.0451	0.0097	0.0082		
12/31/2007	0.1147	0.0291	0.0081	0.0052	0.0183	-0.0758	0.0000	-0.0033	0.0000	0.0000			
12/31/2008	-0.0004	0.0043	0.0139	0.0048	0.0052	0.0088	0.0097	0.0223	0.0450				
12/31/2009	0.0113	0.0299	-0.0131	0.0021	0.0087	0.0050	0.0003	0.0003					
12/31/2010	0.0154	0.0276	0.0100	0.0150	0.0127	0.0000	0.0119						
12/31/2011	0.0231	0.0049	0.0193	0.0258	0.0137	0.0007							
12/31/2012	0.0253	0.0029	0.0235	0.0308	0.0029								
12/31/2013	0.0075	0.0625	0.0006	0.0427									
12/31/2014	0.0146	0.0305	-0.0039										
12/31/2015		0.0333											
12/31/2016	0.0040												

Best 3/5	0.0158	0.0229	0.0100	0.0239	0.0089	0.0019	0.0033	0.0092	0.0150	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
RHODE ISLAND  
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
12/31/1998	1,351,407	1,827,946	2,242,442	2,284,679	2,396,363	2,339,317	2,427,817	2,307,284	2,247,283	2,341,783	2,341,783
12/31/1999	1,911,933	2,238,634	2,531,448	2,830,872	3,132,281	3,120,575	3,091,059	3,007,564	3,007,564	3,007,564	3,007,564
12/31/2000	1,676,720	2,212,741	2,809,373	3,304,365	3,200,204	3,231,456	3,029,350	3,019,360	3,058,664	3,033,653	2,932,653
12/31/2001	2,202,911	3,000,829	3,126,635	3,268,234	3,547,053	3,590,973	3,407,691	3,407,691	3,407,691	3,380,691	3,410,691
12/31/2002	1,376,698	1,503,239	2,254,075	2,440,070	2,213,195	2,270,273	2,209,695	2,211,695	2,211,695	2,308,195	2,308,195
12/31/2003	1,722,459	2,390,847	2,793,950	2,888,676	2,983,235	2,885,585	2,879,623	2,881,586	2,881,586	2,881,586	2,916,586
12/31/2004	1,532,408	1,953,960	2,417,578	2,545,579	2,495,862	2,372,093	2,363,275	2,363,275	2,291,487	2,291,487	2,236,487
12/31/2005	1,456,264	2,064,205	2,276,984	2,502,829	2,603,737	2,323,382	2,346,382	2,296,382	2,446,382	2,346,382	2,346,382
12/31/2006	1,376,136	1,810,768	1,727,947	1,693,312	1,695,215	1,739,461	1,640,463	1,670,177	1,703,213	1,678,213	1,678,213
12/31/2007	1,418,289	2,300,791	2,833,765	3,529,363	3,574,955	3,452,744	3,350,523	3,350,523	3,350,523	3,350,548	3,450,523
12/31/2008	1,958,346	3,176,409	3,553,251	4,017,429	4,047,214	4,032,169	3,961,083	3,842,658	3,842,658	3,840,158	
12/31/2009	1,897,584	2,939,330	3,428,749	3,677,471	3,784,791	3,816,692	3,814,412	3,803,912	3,841,912		
12/31/2010	1,498,678	2,041,518	2,257,292	2,622,300	2,834,402	2,991,927	2,886,927	2,863,228			
12/31/2011	2,206,147	2,682,406	3,179,681	3,332,732	3,408,867	3,385,773	3,314,234				
12/31/2012	2,050,455	2,452,190	2,681,603	2,808,713	2,707,066	2,719,838					
12/31/2013	2,405,417	2,972,969	3,749,165	4,326,839	4,175,410						
12/31/2014	2,155,043	2,377,661	3,377,661	4,115,555							
12/31/2015	2,604,046	3,626,264	4,348,813								
12/31/2016	3,170,581	4,146,519									
12/31/2017	2,634,843										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	2,341,783	2,341,783	2,341,783	2,341,783	2,400,181	2,400,182	2,400,182	2,400,182	2,400,182
12/31/1999	3,007,564	3,007,564	3,007,564	3,007,564	3,007,564	3,007,569	3,007,564	3,007,564	
12/31/2000	2,887,653	2,887,653	2,887,653	2,887,653	2,887,653	2,887,653	2,887,653		
12/31/2001	3,410,691	3,410,691	3,410,691	3,410,691	3,410,691	3,410,691			
12/31/2002	2,215,695	2,215,695	2,215,695	2,215,695	2,215,695				
12/31/2003	2,916,586	2,916,586	2,916,586	2,916,586					
12/31/2004	2,236,487	2,336,487	2,336,487						
12/31/2005	2,371,382	2,371,382							
12/31/2006	1,653,213								

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1998	1.353	1.227	1.019	1.049	0.976	1.038	0.950	0.974	1.042	1.000	1.000
12/31/1999	1.171	1.131	1.118	1.106	0.996	0.991	0.973	1.000	1.000	1.000	1.000
12/31/2000	1.320	1.270	1.176	0.968	1.010	0.937	0.997	1.013	0.992	0.967	0.985
12/31/2001	1.362	1.042	1.045	1.085	1.012	0.949	1.000	1.000	0.992	1.009	1.000
12/31/2002	1.092	1.499	1.083	0.907	1.026	0.973	1.001	1.000	1.044	1.000	0.960
12/31/2003	1.388	1.169	1.034	1.033	0.967	0.998	1.001	1.000	1.000	1.012	1.000
12/31/2004	1.275	1.237	1.053	0.980	0.950	0.996	1.000	0.970	1.000	0.976	1.000
12/31/2005	1.417	1.103	1.099	1.040	0.892	1.010	0.979	1.065	0.959	1.000	1.011
12/31/2006	1.316	0.954	0.980	1.001	1.026	0.943	1.018	1.020	0.985	1.000	0.985
12/31/2007	1.622	1.232	1.245	1.013	0.966	0.970	1.000	1.000	1.000	1.030	
12/31/2008	1.622	1.119	1.131	1.007	0.996	0.982	0.970	1.000	0.999		
12/31/2009	1.549	1.167	1.073	1.029	1.008	0.999	0.997	1.010			
12/31/2010	1.362	1.106	1.162	1.081	1.056	0.965	0.992				
12/31/2011	1.216	1.185	1.048	1.023	0.993	0.979					
12/31/2012	1.196	1.094	1.047	0.964	1.005						
12/31/2013	1.236	1.261	1.154	0.965							
12/31/2014	1.103	1.421	1.218								
12/31/2015	1.393	1.199									
12/31/2016	1.308										
3 Yr Mean	1.268	1.294	1.140	0.984	1.018	0.981	0.986	1.003	0.995	1.010	0.999
Best 3/5	1.247	1.215	1.121	1.006	1.003	0.977	0.996	1.010	0.995	1.004	0.995

A.Y.E.	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/1998	1.000	1.000	1.000	1.025	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.000	1.000	1.000								
12/31/2004	1.045	1.000									
12/31/2005	1.000										
3 Yr Mean	1.015	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

Development From

A.Y.E.	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2013					1.003	0.977	0.996	1.010	0.995	1.004	0.995
12/31/2014				1.006	1.003	0.977	0.996	1.010	0.995	1.004	0.995
12/31/2015			1.121	1.006	1.003	0.977	0.996	1.010	0.995	1.004	0.995
12/31/2016		1.215	1.121	1.006	1.003	0.977	0.996	1.010	0.995	1.004	0.995
12/31/2017	1.247	1.215	1.121	1.006	1.003	0.977	0.996	1.010	0.995	1.004	0.995

A.Y.E.	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.980
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	0.986
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.105
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.343
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.674

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	88,826	351,591	344,167	341,054	320,017	318,442	316,242	320,608	361,124	358,833	367,021
12/31/1999	99,766	336,889	197,780	254,967	390,504	411,087	443,202	450,672	450,672	450,820	450,820
12/31/2000	165,569	304,570	363,027	701,799	844,694	1,111,034	843,516	834,459	897,253	905,538	885,267
12/31/2001	327,937	503,869	495,537	605,587	715,877	745,572	692,393	691,960	691,960	666,156	667,186
12/31/2002	167,988	177,252	289,186	385,233	347,576	357,981	367,308	367,970	369,401	404,231	404,231
12/31/2003	580,500	2,376,181	1,423,509	1,528,412	1,273,196	1,246,786	1,248,568	1,283,248	1,247,485	1,247,485	1,247,080
12/31/2004	150,199	151,165	246,366	433,235	480,878	496,348	513,318	532,558	553,200	539,765	529,664
12/31/2005	115,131	260,471	297,846	523,460	698,421	748,556	779,582	873,402	905,739	871,064	871,064
12/31/2006	81,161	133,815	206,703	336,402	344,254	384,357	371,172	420,691	437,236	425,991	430,730
12/31/2007	161,072	224,704	433,038	663,484	741,805	823,250	859,539	868,848	868,848	871,063	936,883
12/31/2008	135,757	324,295	749,593	1,137,148	1,317,504	1,296,313	997,222	968,162	973,506	973,707	
12/31/2009	138,881	537,957	639,432	781,413	800,954	859,993	842,894	886,975	853,197		
12/31/2010	149,808	330,671	397,332	596,497	771,668	832,538	794,903	643,247			
12/31/2011	237,681	332,335	605,163	908,290	930,917	1,094,260	1,243,723				
12/31/2012	214,033	264,109	416,848	581,758	666,454	1,012,994					
12/31/2013	218,526	471,429	915,563	1,282,471	1,175,128						
12/31/2014	242,976	367,637	699,499	875,162							
12/31/2015	252,427	528,668	702,747								
12/31/2016	507,559	595,126									
12/31/2017	351,882										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	360,211	348,566	336,219	336,219	336,219	336,219	336,219	336,219	336,219
12/31/1999	450,820	450,820	450,820	450,820	450,820	450,824	450,820	450,820	
12/31/2000	887,209	887,209	887,209	887,209	887,209	887,209	887,209		
12/31/2001	667,228	667,228	669,158	672,544	674,035	677,845			
12/31/2002	369,231	369,231	369,231	369,231	369,231				
12/31/2003	1,247,080	1,247,080	1,247,080	1,247,080					
12/31/2004	529,664	542,945	542,945						
12/31/2005	881,064	881,064							
12/31/2006	422,117								

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

	Increments												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	262,765	-7,424	-3,113	-21,037	-1,575	-2,200	4,366	40,516	-2,291	8,188	-6,810	-11,645	-12,347
12/31/1999	237,123	-139,109	57,187	135,537	20,583	32,115	7,470	0	148	0	0	0	0
12/31/2000	139,001	58,457	338,772	142,895	266,340	-267,518	-9,057	62,794	8,285	-20,271	1,942	0	0
12/31/2001	175,932	-8,332	110,050	110,290	29,695	-53,179	-433	0	-25,804	1,030	42	0	1,930
12/31/2002	9,264	111,934	96,047	-37,657	10,405	9,327	662	1,431	34,830	0	-35,000	0	0
12/31/2003	1,795,681	-952,672	104,903	-255,216	-26,410	1,782	34,680	-35,763	0	-405	0	0	0
12/31/2004	966	95,201	186,869	47,643	15,470	16,970	19,240	20,642	-13,435	-10,101	0	13,281	0
12/31/2005	145,340	37,375	225,614	174,961	50,135	31,026	93,820	32,337	-34,675	0	10,000	0	0
12/31/2006	52,654	72,888	129,699	7,852	40,103	-13,185	49,519	16,545	-11,245	4,739	-8,613	0	0
12/31/2007	63,632	208,334	230,446	78,321	81,445	36,289	9,309	0	2,215	65,820	0	0	0
12/31/2008	188,538	425,298	387,555	180,356	-21,191	-299,091	-29,060	5,344	201	0	0	0	0
12/31/2009	399,076	101,475	141,981	19,541	59,039	-17,099	44,081	-33,778	0	0	0	0	0
12/31/2010	180,863	66,661	199,165	175,171	60,870	-37,635	-151,656	0	0	0	0	0	0
12/31/2011	94,654	272,828	303,127	22,627	163,343	149,463	0	0	0	0	0	0	0
12/31/2012	50,076	152,739	164,910	84,696	346,540	0	0	0	0	0	0	0	0
12/31/2013	252,903	444,134	0	-107,343	0	0	0	0	0	0	0	0	0
12/31/2014	124,661	331,862	175,663	0	0	0	0	0	0	0	0	0	0
12/31/2015	276,241	174,079	0	0	0	0	0	0	0	0	0	0	0
12/31/2016	87,567	0	0	0	0	0	0	0	0	0	0	0	0

	Incremental Percentages												
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	0.0750	-0.0021	-0.0009	-0.0060	-0.0004	-0.0006	0.0012	0.0116	-0.0007	0.0023	-0.0019	-0.0033	-0.0035
12/31/1999	0.0533	-0.0312	0.0128	0.0304	0.0046	0.0072	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2000	0.0386	0.0162	0.0940	0.0396	0.0739	-0.0742	-0.0025	0.0174	0.0023	-0.0056	0.0005	0.0000	0.0000
12/31/2001	0.0379	-0.0018	0.0237	0.0237	0.0064	-0.0114	-0.0001	0.0000	-0.0056	0.0002	0.0000	0.0000	0.0004
12/31/2002	0.0029	0.0348	0.0299	-0.0117	0.0032	0.0029	0.0002	0.0004	0.0108	0.0000	-0.0109	0.0000	0.0000
12/31/2003	0.4004	-0.2124	0.0234	-0.0569	-0.0059	0.0004	0.0077	-0.0080	0.0000	-0.0001	0.0000	0.0000	0.0000
12/31/2004	0.0003	0.0307	0.0603	0.0154	0.0050	0.0055	0.0062	0.0067	-0.0043	-0.0033	0.0000	0.0043	0.0000
12/31/2005	0.0339	0.0087	0.0526	0.0408	0.0117	0.0072	0.0219	0.0075	-0.0081	0.0000	0.0023	0.0000	0.0000
12/31/2006	0.0233	0.0322	0.0573	0.0035	0.0177	-0.0058	0.0219	0.0073	-0.0050	0.0021	-0.0038	0.0000	0.0000
12/31/2007	0.0120	0.0394	0.0436	0.0148	0.0154	0.0069	0.0018	0.0000	0.0004	0.0125	0.0000	0.0000	0.0000
12/31/2008	0.0345	0.0778	0.0709	0.0330	-0.0039	-0.0547	-0.0053	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2009	0.0735	0.0187	0.0261	0.0036	0.0109	-0.0031	0.0081	-0.0062	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2010	0.0512	0.0189	0.0564	0.0496	0.0172	-0.0107	-0.0429	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2011	0.0217	0.0624	0.0694	0.0052	0.0374	0.0342	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2012	0.0161	0.0490	0.0529	0.0272	0.1111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2013	0.0431	0.0756	0.0625	-0.0183	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2014	0.0242	0.0645	0.0342	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2015	0.0403	0.0254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2016	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0269	0.0586	0.0572	0.0120	0.0218	-0.0023	0.0015	0.0028	-0.0031	0.0007	-0.0013	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
RHODE ISLAND  
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
12/31/1998	218,022	177,969	178,069	176,069	175,569	176,319	177,386	177,386	177,386	177,386	177,386
12/31/1999	292,315	387,815	224,715	204,715	257,215	259,715	259,715	334,715	334,715	259,715	334,715
12/31/2000	267,527	245,860	283,443	349,453	405,956	396,221	406,824	406,823	406,823	406,824	431,824
12/31/2001	182,108	141,379	142,879	162,379	162,879	162,879	162,879	162,879	162,879	162,879	162,879
12/31/2002	205,776	284,658	210,812	209,812	209,812	209,812	209,812	209,812	209,812	209,812	209,812
12/31/2003	393,629	427,496	402,501	491,501	487,501	502,502	485,401	485,401	485,401	485,401	485,401
12/31/2004	202,108	214,580	207,080	189,580	189,580	189,580	189,580	189,580	189,580	189,580	189,580
12/31/2005	259,462	326,324	277,324	370,862	341,163	327,275	357,275	355,656	355,656	356,656	339,156
12/31/2006	123,370	104,338	105,593	180,593	180,593	180,593	192,876	192,876	192,876	192,876	192,876
12/31/2007	106,553	91,683	97,608	110,109	127,170	127,180	132,169	132,169	132,169	116,169	116,169
12/31/2008	300,291	395,332	388,581	264,960	268,160	324,410	274,960	274,960	274,960	281,960	
12/31/2009	341,062	310,058	313,989	304,914	303,989	303,989	303,989	303,989	303,989		
12/31/2010	310,198	239,130	340,328	353,828	343,827	251,330	253,830	256,762			
12/31/2011	514,978	338,809	388,003	389,577	389,576	389,576	389,576				
12/31/2012	183,546	174,300	161,275	177,025	180,025	180,025					
12/31/2013	296,689	265,865	274,060	274,060	274,060						
12/31/2014	271,027	179,417	174,774	168,107							
12/31/2015	288,168	328,555	345,055								
12/31/2016	296,672	389,046									
12/31/2017	248,535										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	177,386	177,386	177,386	177,386	177,386	177,386	177,386	177,386	177,386
12/31/1999	334,715	334,715	334,715	334,715	334,715	334,715	334,715	334,715	
12/31/2000	431,823	431,823	431,823	431,823	431,823	431,823	431,823		
12/31/2001	162,879	162,879	162,879	162,879	162,879	162,879			
12/31/2002	209,812	209,812	209,812	209,812	209,812				
12/31/2003	485,401	485,401	485,401	485,401					
12/31/2004	189,580	189,580	189,580						
12/31/2005	339,156	339,156							
12/31/2006	217,876								

PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
RHODE ISLAND  
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
12/31/1998	0.816	1.001	0.989	0.997	1.004	1.006	1.000	1.000	1.000	1.000	1.000
12/31/1999	1.327	0.579	0.911	1.256	1.010	1.000	1.289	1.000	0.776	1.289	1.000
12/31/2000	0.919	1.153	1.233	1.162	0.976	1.027	1.000	1.000	1.000	1.061	1.000
12/31/2001	0.776	1.011	1.136	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2002	1.383	0.741	0.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.086	0.942	1.221	0.992	1.031	0.966	1.000	1.000	1.000	1.000	1.000
12/31/2004	1.062	0.965	0.915	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.258	0.850	1.337	0.920	0.959	1.092	0.995	1.000	1.003	0.951	1.000
12/31/2006	0.846	1.012	1.710	1.000	1.000	1.068	1.000	1.000	1.000	1.000	1.130
12/31/2007	0.860	1.065	1.128	1.155	1.000	1.039	1.000	1.000	0.879	1.000	
12/31/2008	1.316	0.983	0.682	1.012	1.210	0.848	1.000	1.000	1.025		
12/31/2009	0.909	1.013	0.971	0.997	1.000	1.000	1.000	1.000			
12/31/2010	0.771	1.423	1.040	0.972	0.731	1.010	1.012				
12/31/2011	0.658	1.145	1.004	1.000	1.000	1.000					
12/31/2012	0.950	0.925	1.098	1.017	1.000						
12/31/2013	0.896	1.031	1.000	1.000							
12/31/2014	0.662	0.974	0.962								
12/31/2015	1.140	1.050									
12/31/2016	1.311										

3 Yr Mean 1.038 1.018 1.020 1.006 0.910 1.003 1.004 1.000 0.968 0.984 1.043

Best 3/5 0.995 1.018 1.015 0.999 1.000 1.003 1.000 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
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *
12/31/2002	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.000	1.000	1.000					
12/31/2004	1.000	1.000						
12/31/2005	1.000							

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

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

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.000	1.003	1.000	1.000	1.001	1.000	1.000
12/31/2014				0.999	1.000	1.003	1.000	1.000	1.001	1.000	1.000
12/31/2015			1.015	0.999	1.000	1.003	1.000	1.000	1.001	1.000	1.000
12/31/2016		1.018	1.015	0.999	1.000	1.003	1.000	1.000	1.001	1.000	1.000
12/31/2017	0.995	1.018	1.015	0.999	1.000	1.003	1.000	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
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.004
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.003
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.018
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.036
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.031

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	9,911	13,498	23,615	28,640	28,643	29,476	29,476	29,476	29,476	29,476	29,476
12/31/1999	20,328	32,477	52,846	54,021	55,069	58,381	55,882	55,882	55,882	55,882	61,295
12/31/2000	34,725	9,671	13,045	21,653	34,676	38,284	43,241	43,671	43,671	43,671	55,580
12/31/2001	15,375	8,252	10,753	16,214	11,951	11,951	11,951	11,951	11,951	11,951	11,951
12/31/2002	34,543	38,755	19,462	19,462	19,462	19,462	19,462	19,462	19,462	19,462	19,462
12/31/2003	229,328	268,063	247,598	177,092	195,168	165,972	159,259	156,855	156,855	156,855	156,855
12/31/2004	4,171	3,573	3,874	2,812	2,812	2,812	2,812	2,812	2,812	2,812	2,812
12/31/2005	38,919	35,508	49,447	60,170	115,031	137,435	147,688	189,515	225,788	234,383	234,383
12/31/2006	6,153	2,312	2,311	12,216	22,216	22,216	42,090	46,748	48,571	52,518	62,983
12/31/2007	2,296	7,526	15,147	40,431	60,858	79,715	122,040	139,571	155,281	163,060	163,135
12/31/2008	4,744	40,827	26,204	29,086	29,150	43,915	56,468	56,628	80,157	84,479	
12/31/2009	9,486	21,030	26,626	52,874	54,125	54,125	55,117	55,117	55,117		
12/31/2010	94,550	51,020	95,205	125,268	126,767	103,138	107,459	113,101			
12/31/2011	18,008	28,544	77,192	114,165	120,933	136,567	148,265				
12/31/2012	19,343	29,080	26,917	39,961	44,411	42,132					
12/31/2013	13,785	12,328	17,755	17,755	22,336						
12/31/2014	13,605	7,339	13,125	32,560							
12/31/2015	94,333	150,246	115,334								
12/31/2016	35,147	68,689									
12/31/2017	89,718										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	32,351	32,351	32,351	32,351	32,351	32,351	32,351	32,351	32,351
12/31/1999	91,538	91,538	91,538	91,538	91,538	91,538	91,538	91,538	
12/31/2000	55,580	55,580	55,580	55,580	55,580	55,580	55,580		
12/31/2001	11,951	11,951	11,951	11,951	11,951	11,951			
12/31/2002	19,462	19,462	19,462	19,462	19,462				
12/31/2003	156,855	156,855	156,855	156,855					
12/31/2004	2,812	2,812	2,812						
12/31/2005	234,383	234,383							
12/31/2006	68,584								



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

A.Y.E.	27: 15	39: 27	51: 39	Increments		63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	3,587	10,117	5,025	3	833	0	0	0	0	0	0	0	2,875	0	0
12/31/1999	12,149	20,369	1,175	1,048	3,312	-2,499	0	0	0	0	0	5,413	30,243	0	0
12/31/2000	-25,054	3,374	8,608	13,023	3,608	4,957	430	0	0	0	0	11,909	0	0	0
12/31/2001	-7,123	2,501	5,461	-4,263	0	0	0	0	0	0	0	0	0	0	0
12/31/2002	4,212	-19,293	0	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2003	38,735	-20,465	-70,506	18,076	-29,196	-6,713	-2,404	0	0	0	0	0	0	0	0
12/31/2004	-598	301	-1,062	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2005	-3,411	13,939	10,723	54,861	22,404	10,253	41,827	36,273	8,595	0	0	0	0	0	0
12/31/2006	-3,841	-1	9,905	10,000	0	19,874	4,658	1,823	3,947	10,465	5,601	0	0	0	0
12/31/2007	5,230	7,621	25,284	20,427	18,857	42,325	17,531	15,710	7,779	75	0	0	0	0	0
12/31/2008	36,083	-14,623	2,882	64	14,765	12,553	160	23,529	4,322	0	0	0	0	0	0
12/31/2009	11,544	5,596	26,248	1,251	0	992	0	0	0	0	0	0	0	0	0
12/31/2010	-43,530	44,185	30,063	1,499	-23,629	4,321	5,642	0	0	0	0	0	0	0	0
12/31/2011	10,536	48,648	36,973	6,768	15,634	11,698	0	0	0	0	0	0	0	0	0
12/31/2012	9,737	-2,163	13,044	4,450	-2,279	0	0	0	0	0	0	0	0	0	0
12/31/2013	-1,457	5,427	0	4,581	0	0	0	0	0	0	0	0	0	0	0
12/31/2014	-6,266	5,786	19,435	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2015	55,913	-34,912	0	0	0	0	0	0	0	0	0	0	0	0	0
12/31/2016	33,542	0	0	0	0	0	0	0	0	0	0	0	0	0	0

A.Y.E.	27: 15	39: 27	51: 39	Incremental Percentages		63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	0.0180	0.0508	0.0253	0.0000	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0000	0.0000
12/31/1999	0.0359	0.0603	0.0035	0.0031	0.0098	-0.0074	0.0000	0.0000	0.0000	0.0000	0.0000	0.0160	0.0895	0.0000	0.0000
12/31/2000	-0.0471	0.0063	0.0162	0.0245	0.0068	0.0093	0.0008	0.0000	0.0000	0.0000	0.0000	0.0224	0.0000	0.0000	0.0000
12/31/2001	-0.0431	0.0151	0.0331	-0.0258	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2002	0.0175	-0.0802	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2003	0.0430	-0.0227	-0.0783	0.0201	-0.0324	-0.0075	-0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2004	-0.0024	0.0012	-0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2005	-0.0082	0.0333	0.0256	0.1312	0.0536	0.0245	0.1000	0.0867	0.0206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2006	-0.0102	0.0000	0.0263	0.0266	0.0000	0.0528	0.0124	0.0048	0.0105	0.0278	0.0149	0.0000	0.0000	0.0000	0.0000
12/31/2007	0.0438	0.0638	0.2117	0.1710	0.1579	0.3544	0.1468	0.1316	0.0651	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2008	0.1246	-0.0505	0.0100	0.0002	0.0510	0.0434	0.0006	0.0813	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2009	0.0262	0.0127	0.0595	0.0028	0.0000	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2010	-0.1633	0.1658	0.1128	0.0056	-0.0887	0.0162	0.0212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2011	0.0257	0.1187	0.0902	0.0165	0.0381	0.0285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2012	0.0504	-0.0112	0.0675	0.0230	-0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2013	-0.0049	0.0182	0.0000	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2014	-0.0339	0.0313	0.1051	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2015	0.1421	-0.0888	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/31/2016	0.0668	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Best 3/5	0.0374	0.0128	0.0876	0.0125	0.0088	0.0294	0.0114	0.0576	0.0153	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
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PREMISES/OPERATIONS (Subline Code 334)  
MANUFACTURERS AND CONTRACTORS  
FULL COVERAGE  
MULTISTATE  
BODILY INJURY - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	72,189,859	109,596,553	140,487,205	149,504,730	152,885,564	152,943,586	152,518,961	153,006,187	152,871,574	152,726,536	152,218,397
12/31/1999	68,424,644	108,201,776	138,431,320	151,333,327	157,789,672	160,948,352	160,542,330	159,156,445	158,726,322	158,242,045	158,321,824
12/31/2000	62,866,533	113,256,946	159,574,262	176,914,473	181,967,112	181,248,068	178,337,339	176,039,700	175,521,120	175,042,066	174,566,480
12/31/2001	69,222,125	116,787,785	156,687,180	168,291,587	174,623,816	170,386,673	167,243,156	166,380,398	166,167,022	166,109,272	165,842,251
12/31/2002	58,889,221	98,383,961	127,532,344	147,650,715	146,105,786	143,736,160	142,109,871	140,994,610	141,165,149	140,803,764	140,842,080
12/31/2003	60,459,339	94,373,113	134,081,499	144,174,770	140,227,216	138,657,308	137,218,388	135,406,739	135,419,229	134,950,489	135,030,218
12/31/2004	63,584,552	106,563,333	135,823,380	142,239,330	139,203,552	136,459,817	134,812,012	134,031,191	134,335,982	134,342,878	134,409,173
12/31/2005	65,386,429	103,632,323	131,578,160	141,038,632	138,491,613	135,045,065	134,222,404	133,471,905	133,621,752	133,061,885	133,011,539
12/31/2006	65,093,019	99,002,234	122,699,644	128,014,363	126,479,289	126,714,925	126,703,535	125,506,377	125,424,306	125,202,920	125,076,238
12/31/2007	71,490,764	107,026,179	137,996,136	147,007,646	145,111,780	145,687,228	144,650,303	144,823,291	143,853,997	143,614,805	143,824,781
12/31/2008	73,373,336	113,841,343	140,022,369	148,698,104	146,615,075	145,300,673	146,338,064	144,741,970	144,902,183	144,561,089	
12/31/2009	77,155,221	112,970,132	140,861,525	149,749,654	148,284,631	146,473,730	144,253,994	144,318,691	144,026,077		
12/31/2010	74,973,820	111,710,795	140,576,320	148,887,992	148,543,223	146,746,657	147,253,889	146,597,385			
12/31/2011	83,968,819	121,815,146	152,700,613	164,234,449	161,701,090	161,445,928	159,771,670				
12/31/2012	67,389,604	103,910,281	130,715,619	135,393,603	137,010,323	137,038,332					
12/31/2013	70,919,711	109,857,959	136,956,996	149,210,608	150,657,419						
12/31/2014	78,192,856	120,073,280	154,842,787	164,428,768							
12/31/2015	67,317,471	107,072,254	137,253,971								
12/31/2016	65,283,794	106,188,554									
12/31/2017	68,042,758										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	152,480,452	152,524,865	152,526,290	152,220,930	152,143,144	152,243,785	152,154,760	152,194,709	152,294,709
12/31/1999	158,476,109	158,518,390	158,419,593	158,343,402	158,437,591	158,624,634	158,768,520	158,815,142	
12/31/2000	174,660,620	174,640,036	174,861,430	174,595,563	174,542,789	174,625,289	174,763,289		
12/31/2001	165,512,739	165,729,964	165,799,413	165,416,677	165,477,256	165,562,477			
12/31/2002	141,133,420	140,884,717	140,817,771	140,783,365	140,753,264				
12/31/2003	134,993,754	135,166,815	135,053,854	135,061,960					
12/31/2004	134,504,865	134,703,660	134,593,509						
12/31/2005	132,946,887	133,049,889							
12/31/2006	124,910,977								

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

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

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.518	1.282	1.064	1.023	1.000	0.997	1.003	0.999	0.999	0.997	1.002
12/31/1999	1.581	1.279	1.093	1.043	1.020	0.997	0.991	0.997	0.997	1.001	1.001
12/31/2000	1.802	1.409	1.109	1.029	0.996	0.984	0.987	0.997	0.997	0.997	1.001
12/31/2001	1.687	1.342	1.074	1.038	0.976	0.982	0.995	0.999	1.000	0.998	0.998
12/31/2002	1.671	1.296	1.158	0.990	0.984	0.989	0.992	1.001	0.997	1.000	1.002
12/31/2003	1.561	1.421	1.075	0.973	0.989	0.990	0.987	1.000	0.997	1.001	1.000
12/31/2004	1.676	1.275	1.047	0.979	0.980	0.988	0.994	1.002	1.000	1.000	1.001
12/31/2005	1.585	1.270	1.072	0.982	0.975	0.994	0.994	1.001	0.996	1.000	1.000
12/31/2006	1.521	1.239	1.043	0.988	1.002	1.000	0.991	0.999	0.998	0.999	0.999
12/31/2007	1.497	1.289	1.065	0.987	1.004	0.993	1.001	0.993	0.998	1.001	
12/31/2008	1.552	1.230	1.062	0.986	0.991	1.007	0.989	1.001	0.998		
12/31/2009	1.464	1.247	1.063	0.990	0.988	0.985	1.000	0.998			
12/31/2010	1.490	1.258	1.059	0.998	0.988	1.003	0.996				
12/31/2011	1.451	1.254	1.076	0.985	0.998	0.990					
12/31/2012	1.542	1.258	1.036	1.012	1.000						
12/31/2013	1.549	1.247	1.089	1.010							
12/31/2014	1.536	1.290	1.062								
12/31/2015	1.591	1.282									
12/31/2016	1.627										

3 Yr Mean	1.585	1.273	1.062	1.002	0.995	0.993	0.995	0.997	0.998	1.000	1.000
Best 3/5	1.561	1.265	1.066	0.999	0.992	0.995	0.996	0.999	0.998	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.000	1.000	0.998	0.999	1.001	0.999	1.000	1.001			
12/31/1999	1.000	0.999	1.000	1.001	1.001	1.001	1.000	1.001 *			
12/31/2000	1.000	1.001	0.998	1.000	1.000	1.001	1.001 *	1.001 *			
12/31/2001	1.001	1.000	0.998	1.000	1.001	1.001 *	1.001 *	1.001 *			
12/31/2002	0.998	1.000	1.000	1.000	1.000 *	1.001 *	1.001 *	1.001 *			
12/31/2003	1.001	0.999	1.000								
12/31/2004	1.001	0.999									
12/31/2005	1.001										
3 Yr Mean	1.001	0.999	0.999	1.000	1.001 @	1.000 @	1.000 @	1.001 @			
Best 3/5	1.001	1.000	0.999	1.000	1.001 *	1.001 *	1.001 *	1.001 *			

Development From											
A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					0.992	0.995	0.996	0.999	0.998	1.000	1.000
12/31/2014				0.999	0.992	0.995	0.996	0.999	0.998	1.000	1.000
12/31/2015			1.066	0.999	0.992	0.995	0.999	0.999	0.998	1.000	1.000
12/31/2016		1.265	1.066	0.999	0.992	0.995	0.996	0.999	0.998	1.000	1.000
12/31/2017	1.561	1.265	1.066	0.999	0.992	0.995	0.996	0.999	0.998	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
12/31/2013	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	0.988
12/31/2014	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	0.987
12/31/2015	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	1.052
12/31/2016	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	1.331
12/31/2017	1.001	1.000	0.999	1.000	1.001	1.001	1.001	1.001	1.004*	2.078

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

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	3,936,429	7,794,722	12,933,516	14,353,458	14,511,049	14,699,086	13,979,179	14,048,389	14,459,984	14,424,526	14,420,320
12/31/1999	4,503,635	8,539,770	12,798,264	16,262,009	17,437,177	14,883,269	14,710,802	15,354,524	14,939,841	14,844,748	14,796,707
12/31/2000	4,621,189	10,266,735	14,893,875	17,206,134	13,878,220	14,483,594	15,668,669	15,361,584	15,070,634	14,933,516	14,963,167
12/31/2001	6,420,188	11,728,217	16,519,918	15,525,264	16,764,962	17,354,599	17,000,246	16,524,192	16,711,990	16,860,735	16,843,110
12/31/2002	5,827,987	10,536,034	13,570,638	15,120,530	15,915,510	15,747,654	15,279,257	15,263,211	14,991,419	14,925,895	15,009,832
12/31/2003	6,922,109	10,482,210	14,910,577	16,655,924	15,553,961	14,736,618	14,607,327	14,549,864	14,604,684	14,745,542	15,080,006
12/31/2004	6,556,810	11,787,910	17,897,757	17,711,474	17,868,100	17,350,600	17,540,505	17,330,715	17,110,078	16,731,489	16,739,244
12/31/2005	8,391,810	13,866,528	18,798,749	19,610,391	19,899,527	19,638,400	19,391,482	19,088,863	18,858,496	18,999,598	19,004,355
12/31/2006	9,877,130	15,110,405	17,715,342	19,290,428	20,224,583	19,804,219	20,112,029	19,922,225	19,997,320	19,853,843	20,042,352
12/31/2007	9,548,498	13,601,419	18,286,829	19,437,068	20,132,126	19,815,575	19,893,000	20,208,914	20,169,971	20,283,930	20,204,751
12/31/2008	10,920,911	14,306,866	18,559,534	20,063,153	20,583,659	21,028,751	20,802,488	20,808,159	20,672,143	20,769,493	
12/31/2009	10,515,358	15,424,234	17,885,794	19,615,145	20,145,134	20,956,237	20,947,806	20,938,080	21,175,413		
12/31/2010	11,089,833	14,921,081	19,495,348	21,414,026	21,524,739	20,974,557	20,541,306	20,491,551			
12/31/2011	10,395,039	14,725,976	19,403,152	21,737,606	21,976,741	22,158,660	22,069,982				
12/31/2012	6,791,786	15,498,054	20,881,161	21,371,553	21,715,932	21,816,332					
12/31/2013	9,785,249	16,653,873	19,424,678	23,226,434	23,646,732						
12/31/2014	10,987,250	15,712,541	22,706,335	26,132,289							
12/31/2015	10,674,985	17,757,149	24,147,977								
12/31/2016	10,499,777	16,814,354									
12/31/2017	12,109,064										

  

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	14,405,320	14,400,570	14,388,070	14,323,070	14,423,070	14,303,070	14,303,070	14,303,070	14,403,070
12/31/1999	14,723,265	14,741,667	14,776,166	14,627,666	14,627,662	14,584,162	14,584,162	14,684,162	
12/31/2000	14,998,167	14,897,928	14,969,674	14,963,216	14,874,016	14,874,016	14,877,016		
12/31/2001	16,954,832	17,302,669	17,297,598	17,356,928	17,353,757	17,409,257			
12/31/2002	15,903,863	15,850,999	15,941,559	15,841,557	16,010,557				
12/31/2003	15,179,904	15,128,235	14,916,735	15,118,234					
12/31/2004	16,778,333	16,733,232	16,768,232						
12/31/2005	19,112,426	18,979,356							
12/31/2006	19,920,112								

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.980	1.659	1.110	1.011	1.013	0.951	1.005	1.029	0.998	1.000	0.999
12/31/1999	1.896	1.499	1.271	1.072	0.854	0.988	1.044	0.973	0.994	0.997	0.995
12/31/2000	2.222	1.451	1.155	0.807	1.044	1.082	0.980	0.981	0.991	1.002	1.002
12/31/2001	1.827	1.409	0.940	1.080	1.035	0.980	0.972	1.011	1.009	0.999	1.007
12/31/2002	1.808	1.288	1.114	1.053	0.989	0.970	0.999	0.982	0.996	1.006	1.060
12/31/2003	1.514	1.422	1.117	0.934	0.947	0.991	0.996	1.004	1.010	1.023	1.007
12/31/2004	1.798	1.518	0.990	1.009	0.971	1.011	0.988	0.987	0.978	1.000	1.002
12/31/2005	1.652	1.356	1.043	1.015	0.987	0.987	0.984	0.988	1.007	1.000	1.006
12/31/2006	1.530	1.172	1.089	1.048	0.979	1.016	0.991	1.004	0.993	1.009	0.994
12/31/2007	1.424	1.344	1.063	1.036	0.984	1.004	1.016	0.998	1.006	0.996	
12/31/2008	1.310	1.297	1.081	1.026	1.022	0.989	1.000	0.993	1.005		
12/31/2009	1.467	1.160	1.097	1.027	1.040	1.000	1.000	1.011			
12/31/2010	1.345	1.307	1.098	1.005	0.974	0.979	0.998				
12/31/2011	1.417	1.318	1.120	1.011	1.008	0.996					
12/31/2012	2.282	1.347	1.023	1.016	1.005						
12/31/2013	1.702	1.166	1.196	1.018							
12/31/2014	1.430	1.445	1.151								
12/31/2015	1.663	1.360									
12/31/2016	1.601										

3 Yr Mean	1.565	1.324	1.123	1.015	0.996	0.992	0.999	1.001	1.001	1.002	1.001
Best 3/5	1.655	1.342	1.123	1.015	1.012	0.995	0.999	0.998	1.001	1.003	1.005

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.000	0.999	0.995	1.007	0.992	1.000	1.000	1.007			
12/31/1999	1.001	1.002	0.990	1.000	0.997	1.000	1.007	1.000 *			
12/31/2000	0.993	1.005	1.000	0.994	1.000	1.000	1.000 *	1.000 *			
12/31/2001	1.021	1.000	1.003	1.000	1.003	1.000 *	1.000 *	1.000 *			
12/31/2002	0.997	1.006	0.994	1.011	1.002 *	1.000 *	1.000 *	1.000 *			
12/31/2003	0.997	0.986	1.014								
12/31/2004	0.997	1.002									
12/31/2005	0.993										

3 Yr Mean	0.996	0.998	1.004	1.002	1.000 @	1.000 @	1.004 @	1.007 @			
Best 3/5	0.997	1.002	0.999	1.002	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
12/31/2013					1.012	0.995	0.999	0.998	1.001	1.003	1.005
12/31/2014				1.015	1.012	0.995	0.999	0.998	1.001	1.003	1.005
12/31/2015			1.123	1.015	1.012	0.995	0.999	0.998	1.001	1.003	1.005
12/31/2016		1.342	1.123	1.015	1.012	0.995	0.999	0.998	1.001	1.003	1.005
12/31/2017	1.655	1.342	1.123	1.015	1.012	0.995	0.999	0.998	1.001	1.003	1.005

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2013	0.997	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.013
12/31/2014	0.997	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.028
12/31/2015	0.997	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.155
12/31/2016	0.997	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	1.550
12/31/2017	0.997	1.002	0.999	1.002	1.000	1.000	1.000	1.000	1.000*	2.564

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	9,279,055	27,746,270	44,482,226	58,399,724	67,818,754	75,653,426	79,395,487	81,668,147	82,110,872	82,561,219	83,259,437
12/31/1999	9,380,351	24,442,808	43,323,254	61,144,428	76,117,211	83,200,474	86,077,695	87,889,879	88,230,588	88,899,037	89,654,149
12/31/2000	9,465,988	24,014,930	50,866,039	75,155,513	90,620,946	99,670,534	107,942,611	106,349,066	108,819,856	109,054,513	110,212,599
12/31/2001	11,828,488	30,935,515	57,446,359	81,650,942	97,098,538	104,601,566	108,787,753	110,900,401	113,196,607	112,900,418	113,328,730
12/31/2002	9,887,452	27,643,396	47,214,797	69,254,949	80,288,226	88,401,137	91,794,150	92,405,208	94,143,052	94,995,770	94,998,923
12/31/2003	10,322,128	25,949,808	49,203,343	70,012,679	80,651,876	89,272,219	92,091,202	93,488,018	94,669,126	95,399,120	95,278,531
12/31/2004	8,116,012	23,883,055	46,410,181	64,786,811	75,972,225	82,234,748	83,934,655	84,820,385	86,384,025	87,063,286	86,944,879
12/31/2005	8,096,604	21,873,118	47,105,545	66,147,278	77,320,568	82,966,160	85,769,763	87,664,875	88,526,355	89,021,656	90,260,617
12/31/2006	7,664,029	23,405,341	45,457,827	61,672,346	72,549,853	76,973,868	82,457,080	85,694,289	86,463,094	88,286,087	88,627,557
12/31/2007	9,578,218	26,397,865	55,995,803	75,867,443	88,834,338	95,098,462	97,854,969	100,001,177	101,472,612	102,294,586	102,667,973
12/31/2008	9,483,727	28,987,973	52,403,826	74,996,590	88,241,436	95,227,866	100,674,755	102,140,604	103,513,322	103,661,088	
12/31/2009	11,257,174	27,995,759	51,173,869	81,535,365	95,633,379	101,693,137	106,120,146	108,184,289	109,109,627		
12/31/2010	11,093,870	31,927,523	60,113,185	81,854,300	97,795,435	103,860,136	107,545,549	110,376,382			
12/31/2011	12,391,043	33,275,733	63,174,015	90,844,834	104,625,507	118,357,155	124,739,404				
12/31/2012	9,149,804	28,197,322	56,656,743	77,678,463	95,076,019	103,058,763					
12/31/2013	10,796,652	31,787,863	61,634,364	87,234,433	101,714,892						
12/31/2014	12,245,515	35,089,572	70,096,548	102,432,336							
12/31/2015	9,452,777	28,879,700	58,116,840								
12/31/2016	11,954,000	32,973,905									
12/31/2017	11,436,781										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	83,414,282	83,558,994	83,751,040	83,861,290	83,922,861	83,945,538	84,007,825	84,085,868	84,130,175
12/31/1999	90,126,913	90,266,803	90,327,062	90,347,598	90,384,023	90,472,747	90,608,254	90,735,955	
12/31/2000	112,223,718	112,409,423	112,633,806	113,662,701	114,403,753	115,076,124	116,429,591		
12/31/2001	113,712,342	113,951,671	114,086,328	113,924,766	114,057,628	114,145,221			
12/31/2002	95,473,802	95,863,802	96,569,854	97,042,305	96,878,701				
12/31/2003	95,770,453	96,169,935	96,249,894	95,959,886					
12/31/2004	87,367,602	87,459,790	87,484,072						
12/31/2005	90,332,946	91,405,516							
12/31/2006	89,293,628								

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

	Increments													
A.Y.E.	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>	
12/31/1998	18,467,215	16,735,956	13,917,498	9,419,030	7,834,672	3,742,061	2,272,660	442,725	450,347	698,218	154,845	144,712	192,046	
12/31/1999	15,062,457	18,880,446	17,821,174	14,972,783	7,083,263	2,877,221	1,812,184	340,709	668,449	755,112	472,764	139,890	60,259	
12/31/2000	14,548,942	26,851,109	24,289,474	15,465,433	9,049,588	8,272,077	-1,593,545	2,470,790	234,657	1,158,086	2,011,119	185,705	224,383	
12/31/2001	19,107,027	26,510,844	24,204,583	15,447,596	7,503,028	4,186,187	2,112,648	2,296,206	-296,189	428,312	383,612	239,329	134,657	
12/31/2002	17,755,944	19,571,401	22,040,152	11,033,277	8,112,911	3,393,013	611,058	1,737,844	852,718	3,153	474,879	390,000	706,052	
12/31/2003	15,627,680	23,253,535	20,809,336	10,639,197	8,620,343	2,818,983	1,396,816	1,181,108	729,994	-120,589	491,922	399,482	79,959	
12/31/2004	15,767,043	22,527,126	18,376,630	11,185,414	6,262,523	1,699,907	885,730	1,563,640	679,261	-118,407	422,723	92,188	24,282	
12/31/2005	13,776,514	25,232,427	19,041,733	11,173,290	5,645,592	2,803,603	1,895,112	861,480	495,301	1,238,961	72,329	1,072,570		
12/31/2006	15,741,312	22,052,486	16,214,519	10,877,507	4,424,015	5,483,212	3,237,209	768,805	1,822,993	341,470	666,071			
12/31/2007	16,819,647	29,597,938	19,871,640	12,966,895	6,264,124	2,756,507	2,146,208	1,471,435	821,974	373,387				
12/31/2008	19,504,246	23,415,853	22,592,764	13,244,846	6,986,430	5,446,889	1,465,849	1,372,718	147,766					
12/31/2009	16,738,585	23,178,110	30,361,496	14,098,014	6,059,758	4,427,009	2,064,143	925,338						
12/31/2010	20,833,653	28,185,662	21,741,115	15,941,135	6,064,701	3,685,413	2,830,833							
12/31/2011	20,884,690	29,898,282	27,670,819	13,780,673	13,731,648	6,382,249								
12/31/2012	19,047,518	28,459,421	21,021,720	17,397,556	7,982,744									
12/31/2013	20,991,211	29,846,501	25,600,069	14,480,459										
12/31/2014	22,844,057	35,006,976	32,335,788											
12/31/2015	19,426,923	29,237,140												
12/31/2016	21,019,905													

	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
12/31/1998	0.0674	0.0611	0.0508	0.0344	0.0286	0.0137	0.0083	0.0016	0.0016	0.0025	0.0006	0.0005	0.0007
12/31/1999	0.0534	0.0670	0.0632	0.0531	0.0251	0.0102	0.0064	0.0012	0.0024	0.0027	0.0017	0.0005	0.0002
12/31/2000	0.0454	0.0837	0.0758	0.0482	0.0282	0.0258	-0.0050	0.0077	0.0007	0.0036	0.0063	0.0006	0.0007
12/31/2001	0.0633	0.0878	0.0801	0.0511	0.0248	0.0139	0.0070	0.0076	-0.0010	0.0014	0.0013	0.0008	0.0004
12/31/2002	0.0677	0.0746	0.0840	0.0421	0.0309	0.0129	0.0023	0.0066	0.0033	0.0000	0.0018	0.0015	0.0027
12/31/2003	0.0624	0.0928	0.0830	0.0425	0.0344	0.0112	0.0056	0.0047	0.0029	-0.0005	0.0020	0.0016	0.0003
12/31/2004	0.0620	0.0885	0.0722	0.0440	0.0246	0.0067	0.0035	0.0061	0.0027	-0.0005	0.0017	0.0004	0.0001
12/31/2005	0.0571	0.1047	0.0790	0.0463	0.0234	0.0116	0.0079	0.0036	0.0021	0.0051	0.0003	0.0044	
12/31/2006	0.0643	0.0901	0.0663	0.0445	0.0181	0.0224	0.0132	0.0031	0.0074	0.0014	0.0027		
12/31/2007	0.0597	0.1050	0.0705	0.0460	0.0222	0.0098	0.0076	0.0052	0.0029	0.0013			
12/31/2008	0.0703	0.0844	0.0815	0.0478	0.0252	0.0196	0.0053	0.0050	0.0005				
12/31/2009	0.0616	0.0853	0.1117	0.0519	0.0223	0.0163	0.0076	0.0034					
12/31/2010	0.0782	0.1058	0.0816	0.0598	0.0228	0.0138	0.0106						
12/31/2011	0.0666	0.0953	0.0882	0.0439	0.0438	0.0203							
12/31/2012	0.0713	0.1066	0.0787	0.0652	0.0299								
12/31/2013	0.0703	0.1000	0.0858	0.0485									
12/31/2014	0.0697	0.1068	0.0986										
12/31/2015	0.0698	0.1051											
12/31/2016	0.0750												

Best 3/5	0.0705	0.1039	0.0852	0.0534	0.0260	0.0166	0.0086	0.0040	0.0025	0.0008	0.0018	0.0013	0.0005
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PREMISES/OPERATIONS (Subline Code 334)  
 MANUFACTURERS AND CONTRACTORS  
 FULL COVERAGE  
 MULTISTATE  
 PROPERTY DAMAGE - OCCURRENCE  
 INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	91,393,452	103,751,693	110,945,758	119,038,838	120,196,003	121,132,888	121,197,934	121,126,654	121,596,518	121,197,237	121,732,251
12/31/1999	103,907,530	120,028,008	133,495,446	136,948,687	138,921,926	137,830,648	135,975,434	135,300,768	135,595,192	135,833,809	136,551,432
12/31/2000	116,386,114	133,592,399	141,557,409	147,981,765	149,786,458	150,086,750	150,505,626	151,159,953	151,149,365	152,343,988	152,459,709
12/31/2001	111,638,635	126,038,947	136,135,544	138,955,096	139,754,502	141,215,980	141,329,045	141,831,723	142,900,447	143,034,403	143,519,132
12/31/2002	97,386,691	110,058,673	113,684,618	116,586,522	117,685,716	118,183,728	118,475,138	118,452,200	119,066,564	119,693,844	119,783,808
12/31/2003	87,783,559	96,978,986	102,443,316	105,383,484	106,557,257	107,316,784	107,324,645	107,766,130	107,929,925	107,989,367	108,117,722
12/31/2004	106,434,989	119,799,686	120,429,040	121,706,751	123,024,602	122,455,577	123,046,525	123,114,077	123,704,645	123,982,102	124,206,458
12/31/2005	104,759,233	114,729,676	118,185,351	120,706,138	121,747,615	122,326,791	122,768,767	123,795,155	124,192,655	125,959,272	126,251,391
12/31/2006	109,222,566	118,000,347	121,378,975	123,985,229	126,196,571	127,575,085	129,817,819	129,950,848	130,839,212	131,453,255	131,542,068
12/31/2007	116,540,668	128,784,989	132,957,784	135,005,149	136,056,708	137,723,488	137,966,785	138,933,806	139,769,982	139,842,904	140,566,638
12/31/2008	124,248,815	136,451,275	140,692,121	143,029,817	145,177,429	145,886,404	146,360,589	147,170,623	147,922,889	149,446,319	
12/31/2009	116,598,744	127,744,399	131,420,556	132,809,343	133,998,513	134,532,544	135,565,751	136,963,242	137,362,404		
12/31/2010	122,829,452	133,895,676	136,677,408	138,078,626	138,246,333	138,166,170	138,877,385	139,365,691			
12/31/2011	133,986,397	143,841,851	148,013,996	148,097,798	148,812,512	149,561,254	151,811,202				
12/31/2012	125,102,760	134,236,193	137,638,402	140,894,321	141,665,387	143,484,558					
12/31/2013	120,301,345	131,398,720	135,961,484	137,948,469	139,606,988						
12/31/2014	124,264,415	136,949,758	142,761,111	148,100,972							
12/31/2015	124,679,201	138,259,569	148,307,225								
12/31/2016	132,266,384	147,864,701									
12/31/2017	140,360,969										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	122,153,663	122,214,639	122,028,713	122,097,392	122,116,567	122,177,301	122,109,255	122,366,212	122,494,179
12/31/1999	137,075,174	136,646,378	136,805,740	136,764,698	136,780,884	136,902,438	136,973,753	137,258,767	
12/31/2000	152,429,689	151,839,177	151,630,719	151,546,240	151,679,228	151,693,727	152,088,496		
12/31/2001	143,575,233	143,802,192	144,197,191	144,482,905	144,520,052	144,680,120			
12/31/2002	119,654,340	120,123,168	120,594,470	120,501,525	120,628,032				
12/31/2003	108,496,809	108,438,824	108,657,423	108,863,294					
12/31/2004	124,282,959	124,379,012	124,654,050						
12/31/2005	125,737,905	126,250,822							
12/31/2006	132,154,094								



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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.135	1.069	1.073	1.010	1.008	1.001	0.999	1.004	0.997	1.004	1.003
12/31/1999	1.155	1.112	1.026	1.014	0.992	0.987	0.995	1.002	1.002	1.005	1.004
12/31/2000	1.148	1.060	1.045	1.012	1.002	1.003	1.004	1.000	1.008	1.001	1.000
12/31/2001	1.129	1.080	1.021	1.006	1.010	1.001	1.004	1.008	1.001	1.003	1.000
12/31/2002	1.130	1.033	1.026	1.009	1.004	1.002	1.000	1.005	1.005	1.001	0.999
12/31/2003	1.105	1.056	1.029	1.011	1.007	1.000	1.004	1.002	1.001	1.001	1.004
12/31/2004	1.126	1.005	1.011	1.011	0.995	1.005	1.001	1.005	1.002	1.002	1.001
12/31/2005	1.095	1.030	1.021	1.009	1.005	1.004	1.008	1.003	1.014	1.002	0.996
12/31/2006	1.080	1.029	1.021	1.018	1.011	1.018	1.001	1.007	1.005	1.001	1.005
12/31/2007	1.105	1.032	1.015	1.008	1.012	1.002	1.007	1.006	1.001	1.005	
12/31/2008	1.098	1.031	1.017	1.015	1.005	1.003	1.006	1.005	1.010		
12/31/2009	1.096	1.029	1.011	1.009	1.004	1.008	1.010	1.003			
12/31/2010	1.090	1.021	1.010	1.001	0.999	1.005	1.004				
12/31/2011	1.074	1.029	1.001	1.005	1.005	1.015					
12/31/2012	1.073	1.025	1.024	1.005	1.013						
12/31/2013	1.092	1.035	1.015	1.012							
12/31/2014	1.102	1.042	1.037								
12/31/2015	1.109	1.073									
12/31/2016	1.118										

3 Yr Mean 1.110 1.050 1.025 1.007 1.006 1.009 1.007 1.005 1.005 1.003 1.001

Best 3/5 1.101 1.035 1.016 1.006 1.005 1.005 1.006 1.005 1.006 1.002 1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.000	0.998	1.001	1.000	1.000	0.999	1.002	1.001			
12/31/1999	0.997	1.001	1.000	1.000	1.001	1.001	1.002	1.001 *			
12/31/2000	0.996	0.999	0.999	1.001	1.000	1.003	1.000 *	1.001 *			
12/31/2001	1.002	1.003	1.002	1.000	1.001	1.000 *	1.000 *	1.001 *			
12/31/2002	1.004	1.004	0.999	1.001	1.000 *	1.000 *	1.000 *	1.001 *			
12/31/2003	0.999	1.002	1.002								
12/31/2004	1.001	1.002									
12/31/2005	1.004										

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

Best 3/5 1.002 1.002 1.000 1.000 1.000 \* 1.000 \* 1.001 \* 1.001 \*

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.005	1.005	1.006	1.005	1.006	1.002	1.001
12/31/2014				1.006	1.005	1.005	1.006	1.005	1.006	1.002	1.001
12/31/2015			1.016	1.006	1.005	1.005	1.006	1.005	1.006	1.002	1.001
12/31/2016		1.035	1.016	1.006	1.005	1.005	1.006	1.005	1.006	1.002	1.001
12/31/2017	1.101	1.035	1.016	1.006	1.005	1.005	1.006	1.005	1.006	1.002	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2013	1.002	1.002	1.000	1.000	1.000	1.000	1.001	1.001	1.004*	1.041
12/31/2014	1.002	1.002	1.000	1.000	1.000	1.000	1.001	1.001	1.004*	1.047
12/31/2015	1.002	1.002	1.000	1.000	1.000	1.000	1.001	1.001	1.004*	1.064
12/31/2016	1.002	1.002	1.000	1.000	1.000	1.000	1.001	1.001	1.004*	1.101
12/31/2017	1.002	1.002	1.000	1.000	1.000	1.000	1.001	1.001	1.004*	1.212

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	19,303,224	21,625,546	23,142,877	23,759,260	24,633,974	24,789,514	25,398,790	25,429,967	25,393,781	25,414,122	25,519,743
12/31/1999	18,357,492	22,618,992	25,665,492	27,671,527	29,873,431	29,913,474	29,833,346	30,319,925	30,357,072	30,501,294	30,711,354
12/31/2000	20,766,252	24,458,492	27,281,319	30,214,431	30,365,824	31,090,566	30,833,862	31,108,713	31,264,855	31,831,011	31,557,941
12/31/2001	22,383,165	25,480,278	27,484,260	28,479,611	28,755,103	29,683,906	30,287,621	31,174,880	31,437,406	31,402,618	31,401,440
12/31/2002	18,868,090	22,461,366	22,263,506	23,162,839	23,615,334	24,426,775	24,525,629	24,954,311	24,993,421	25,128,800	25,130,493
12/31/2003	20,450,045	21,992,687	23,204,735	24,590,513	25,127,939	26,087,738	26,357,255	26,208,511	26,206,542	26,293,368	26,193,076
12/31/2004	19,984,690	23,864,617	25,581,911	26,337,679	26,685,724	26,663,699	26,688,881	27,204,469	27,304,428	27,663,869	27,872,017
12/31/2005	21,520,837	25,286,641	26,420,114	26,954,540	26,724,950	26,755,620	26,838,316	27,246,634	27,234,029	27,599,225	27,579,208
12/31/2006	25,935,381	27,875,129	28,043,346	28,758,628	28,547,363	28,855,714	29,319,472	29,555,060	29,691,415	29,897,190	29,959,191
12/31/2007	25,076,466	28,601,402	30,662,830	30,919,204	30,408,274	31,182,956	31,549,752	31,509,988	31,618,568	31,796,129	31,927,663
12/31/2008	28,091,027	30,117,089	31,461,181	31,272,630	32,087,220	31,818,115	31,639,502	31,801,904	32,125,166	32,357,825	
12/31/2009	25,548,164	26,094,322	27,227,394	27,548,394	27,570,983	27,746,794	27,510,849	28,027,215	28,200,543		
12/31/2010	23,097,718	24,413,606	25,525,052	25,930,144	25,732,943	26,324,993	26,383,818	26,795,573			
12/31/2011	21,960,085	23,961,431	24,931,632	24,983,867	25,216,551	25,270,508	25,632,682				
12/31/2012	22,074,608	24,580,088	25,818,366	26,074,492	26,015,795	26,385,844					
12/31/2013	21,512,450	22,139,014	23,393,556	23,166,571	23,188,082						
12/31/2014	25,909,126	28,540,403	28,978,437	30,002,617							
12/31/2015	25,616,815	28,773,917	29,987,565								
12/31/2016	24,044,114	27,703,047									
12/31/2017	23,807,949										

  

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	25,573,735	25,448,973	25,549,321	25,549,072	25,542,472	25,548,989	25,509,288	25,509,288	25,509,288
12/31/1999	30,863,499	30,649,709	30,586,842	30,554,392	30,556,492	30,442,117	30,458,784	30,461,863	
12/31/2000	31,547,768	31,765,916	31,833,252	31,786,329	31,667,238	31,681,906	31,694,985		
12/31/2001	31,405,742	31,675,590	31,559,910	31,450,447	31,464,583	31,500,256			
12/31/2002	25,345,452	25,381,986	25,236,074	25,223,575	25,208,004				
12/31/2003	26,313,365	26,246,606	26,321,184	26,325,126					
12/31/2004	27,744,600	27,832,459	27,922,962						
12/31/2005	27,648,741	27,659,558							
12/31/2006	30,297,043								

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.120	1.070	1.027	1.037	1.006	1.025	1.001	0.999	1.001	1.004	1.002
12/31/1999	1.232	1.135	1.078	1.080	1.001	0.997	1.016	1.001	1.005	1.007	1.005
12/31/2000	1.178	1.115	1.108	1.005	1.024	0.992	1.009	1.005	1.018	0.991	1.000
12/31/2001	1.138	1.079	1.036	1.010	1.032	1.020	1.029	1.008	0.999	1.000	1.000
12/31/2002	1.190	0.991	1.040	1.020	1.034	1.004	1.017	1.002	1.005	1.000	1.009
12/31/2003	1.075	1.055	1.060	1.022	1.038	1.010	0.994	1.000	1.003	0.996	1.005
12/31/2004	1.194	1.072	1.030	1.013	0.999	1.001	1.019	1.004	1.013	1.008	0.995
12/31/2005	1.175	1.045	1.020	0.991	1.001	1.003	1.015	1.000	1.013	0.999	1.003
12/31/2006	1.075	1.006	1.026	0.993	1.011	1.016	1.008	1.005	1.007	1.002	1.011
12/31/2007	1.141	1.072	1.008	0.983	1.025	1.012	0.999	1.003	1.006	1.004	
12/31/2008	1.072	1.045	0.994	1.026	0.992	0.994	1.005	1.010	1.007		
12/31/2009	1.021	1.043	1.012	1.001	1.006	0.991	1.019	1.006			
12/31/2010	1.057	1.046	1.016	0.992	1.023	1.002	1.016				
12/31/2011	1.091	1.040	1.002	1.009	1.002	1.014					
12/31/2012	1.114	1.050	1.010	0.998	1.014						
12/31/2013	1.029	1.057	0.990	1.001							
12/31/2014	1.102	1.015	1.035								
12/31/2015	1.123	1.042									
12/31/2016	1.152										
3 Yr Mean	1.126	1.038	1.012	1.003	1.013	1.002	1.013	1.006	1.007	1.002	1.003
Best 3/5	1.113	1.044	1.009	1.000	1.007	1.003	1.010	1.005	1.009	1.002	1.006

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.995	1.004	1.000	1.000	1.000	0.998	1.000	1.000			
12/31/1999	0.993	0.998	0.999	1.000	0.996	1.001	1.000	1.000 *			
12/31/2000	1.007	1.002	0.999	0.996	1.000	1.000	1.000 *	1.000 *			
12/31/2001	1.009	0.996	0.997	1.000	1.001	1.000 *	1.000 *	1.000 *			
12/31/2002	1.001	0.994	1.000	0.999	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	0.997	1.003	1.000								
12/31/2004	1.003	1.003									
12/31/2005	1.000										
3 Yr Mean	1.000	1.000	0.999	0.998	0.999 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.001	1.000	0.999	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.007	1.003	1.010	1.005	1.009	1.002	1.006
12/31/2014				1.000	1.007	1.003	1.010	1.005	1.009	1.002	1.006
12/31/2015			1.009		1.007	1.003	1.010	1.005	1.009	1.002	1.006
12/31/2016		1.044	1.009	1.000	1.007	1.003	1.010	1.005	1.009	1.002	1.006
12/31/2017	1.113	1.044	1.009	1.000	1.007	1.003	1.010	1.005	1.009	1.002	1.006

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2013	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.043
12/31/2014	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.043
12/31/2015	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.052
12/31/2016	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.098
12/31/2017	1.001	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000*	1.223

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	8,023,086	15,081,257	22,475,269	27,348,043	32,803,097	39,729,055	42,687,299	52,641,475	50,310,795	52,231,282	52,854,311
12/31/1999	8,844,075	15,469,829	22,940,588	28,893,114	34,317,916	38,972,948	43,344,279	46,510,268	49,531,277	50,384,981	51,498,287
12/31/2000	9,613,723	15,772,638	23,702,909	33,663,178	42,960,723	51,171,063	57,600,588	61,799,254	64,038,136	65,496,200	66,240,257
12/31/2001	8,787,155	15,598,175	25,925,733	33,869,549	40,718,917	47,736,096	52,592,498	54,785,434	56,774,251	58,290,075	59,586,295
12/31/2002	7,738,694	14,504,353	21,273,171	29,527,129	35,771,150	40,284,421	43,705,362	46,577,609	47,180,108	48,094,434	48,800,622
12/31/2003	7,898,563	12,713,199	20,199,654	27,675,482	30,816,704	33,529,550	34,561,929	35,997,105	37,355,673	38,451,697	39,496,767
12/31/2004	8,720,240	16,161,117	23,462,104	31,225,722	36,896,525	39,637,190	41,954,275	43,381,738	44,586,165	45,487,899	46,281,602
12/31/2005	7,433,909	14,571,109	22,920,982	30,067,048	35,928,400	40,680,439	44,010,195	46,575,300	47,898,262	49,566,710	51,061,041
12/31/2006	7,523,163	14,216,514	22,268,726	29,203,798	35,775,712	40,566,326	43,363,053	45,181,291	47,193,349	48,502,871	49,839,078
12/31/2007	8,095,416	15,141,787	24,968,957	33,140,439	38,582,095	44,149,384	47,088,231	49,633,110	53,084,314	56,792,952	57,051,753
12/31/2008	9,428,552	17,397,708	25,305,249	34,098,622	38,130,635	42,946,818	45,278,845	47,386,545	49,131,709	51,374,964	
12/31/2009	9,217,458	16,515,934	24,789,341	34,894,159	39,143,878	40,829,054	42,722,194	44,733,646	46,226,363		
12/31/2010	11,255,386	22,572,127	26,679,963	33,219,780	37,276,895	41,045,396	43,234,476	45,390,621			
12/31/2011	9,350,334	17,122,858	26,381,646	32,997,577	35,605,457	38,169,926	40,507,113				
12/31/2012	9,470,630	17,797,336	26,982,047	37,080,829	44,849,653	50,089,847					
12/31/2013	11,384,047	21,104,317	30,309,035	38,741,189	45,539,889						
12/31/2014	9,253,001	19,399,872	28,317,660	38,809,467							
12/31/2015	9,524,950	17,454,806	26,334,644								
12/31/2016	11,931,268	21,796,721									
12/31/2017	12,777,690										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	53,549,552	53,359,116	53,423,625	53,579,940	53,761,472	53,903,402	54,008,100	54,032,642	54,056,591
12/31/1999	51,768,460	51,605,892	51,666,317	51,643,147	51,601,114	51,644,067	51,679,853	52,300,806	
12/31/2000	67,263,742	67,719,099	67,533,475	67,491,681	67,590,746	67,714,613	68,009,932		
12/31/2001	60,257,902	60,203,253	60,150,985	60,761,092	60,779,165	61,168,260			
12/31/2002	49,322,257	49,422,572	50,562,468	50,633,979	50,717,487				
12/31/2003	40,566,164	41,283,270	41,635,733	42,013,560					
12/31/2004	46,784,624	47,421,571	49,200,973						
12/31/2005	51,115,750	52,551,915							
12/31/2006	50,389,599								

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
12/31/1998	7,058,171	7,394,012	4,872,774	5,455,054	6,925,958	2,958,244	9,954,176	-2,330,680	1,920,487	623,029	695,241	-190,436	64,509
12/31/1999	6,625,754	7,470,759	5,952,526	5,424,802	4,655,032	4,371,331	3,165,989	3,021,009	853,704	1,113,306	270,173	-162,568	60,425
12/31/2000	6,158,915	7,930,271	9,960,269	9,297,545	8,210,340	6,429,525	4,198,666	2,238,882	1,458,064	744,057	1,023,485	455,357	-185,624
12/31/2001	6,811,020	10,327,558	7,943,816	6,849,368	7,017,179	4,856,402	2,192,936	1,988,817	1,515,824	1,296,220	671,607	-54,649	-52,268
12/31/2002	6,765,659	6,768,818	8,253,958	6,244,021	4,513,271	3,420,941	2,872,247	602,499	914,326	706,188	521,635	100,315	1,139,896
12/31/2003	4,814,636	7,486,455	7,475,828	3,141,222	2,712,846	1,032,379	1,435,176	1,358,568	1,096,024	1,045,070	1,069,397	717,106	352,463
12/31/2004	7,440,877	7,300,987	7,763,618	5,670,803	2,740,665	2,317,085	1,427,463	1,204,427	901,734	793,703	503,022	636,947	1,779,402
12/31/2005	7,137,200	8,349,873	7,146,066	5,861,352	4,752,039	3,329,756	2,565,105	1,322,962	1,668,448	1,494,331	54,709	1,436,165	
12/31/2006	6,693,351	8,052,212	6,935,072	6,571,914	4,790,614	2,796,727	1,818,238	2,012,058	1,309,522	1,336,207	550,521		
12/31/2007	7,046,371	9,827,170	8,171,482	5,441,656	5,567,289	2,938,847	2,544,879	3,451,204	3,708,638	258,801			
12/31/2008	7,969,156	7,907,541	8,793,373	4,032,013	4,816,183	2,332,027	2,107,700	1,745,164	2,243,255				
12/31/2009	7,298,476	8,273,407	10,104,818	4,249,719	1,685,176	1,893,140	2,011,452	1,492,717					
12/31/2010	11,316,741	4,107,836	6,539,817	4,057,115	3,768,501	2,189,080	2,156,145						
12/31/2011	7,772,524	9,258,788	6,615,931	2,607,880	2,564,469	2,337,187							
12/31/2012	8,326,706	9,184,711	10,098,782	7,768,824	5,240,194								
12/31/2013	9,720,270	9,204,718	8,432,154	6,798,700									
12/31/2014	10,146,871	8,917,788	10,491,807										
12/31/2015	7,929,856	8,879,838											
12/31/2016	9,865,453												

	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
12/31/1998	0.0453	0.0475	0.0313	0.0350	0.0444	0.0190	0.0639	-0.0150	0.0123	0.0040	0.0045	-0.0012	0.0004
12/31/1999	0.0376	0.0424	0.0338	0.0308	0.0264	0.0248	0.0180	0.0171	0.0048	0.0063	0.0015	-0.0009	0.0003
12/31/2000	0.0310	0.0399	0.0501	0.0468	0.0413	0.0323	0.0211	0.0113	0.0073	0.0037	0.0051	0.0023	-0.0009
12/31/2001	0.0362	0.0550	0.0423	0.0364	0.0373	0.0258	0.0117	0.0106	0.0081	0.0069	0.0036	-0.0003	-0.0003
12/31/2002	0.0434	0.0434	0.0529	0.0400	0.0289	0.0219	0.0184	0.0039	0.0059	0.0045	0.0033	0.0006	0.0073
12/31/2003	0.0343	0.0533	0.0532	0.0224	0.0193	0.0073	0.0102	0.0097	0.0078	0.0074	0.0076	0.0051	0.0025
12/31/2004	0.0449	0.0440	0.0468	0.0342	0.0165	0.0140	0.0086	0.0073	0.0054	0.0048	0.0030	0.0038	0.0107
12/31/2005	0.0433	0.0506	0.0433	0.0356	0.0288	0.0202	0.0156	0.0080	0.0101	0.0091	0.0003	0.0087	
12/31/2006	0.0392	0.0471	0.0406	0.0385	0.0280	0.0164	0.0106	0.0118	0.0077	0.0078	0.0032		
12/31/2007	0.0387	0.0539	0.0448	0.0299	0.0305	0.0161	0.0140	0.0189	0.0203	0.0014			
12/31/2008	0.0406	0.0403	0.0448	0.0206	0.0246	0.0119	0.0107	0.0089	0.0114				
12/31/2009	0.0399	0.0452	0.0552	0.0232	0.0092	0.0104	0.0110	0.0082					
12/31/2010	0.0593	0.0215	0.0343	0.0213	0.0198	0.0115	0.0113						
12/31/2011	0.0387	0.0461	0.0329	0.0130	0.0128	0.0116							
12/31/2012	0.0419	0.0462	0.0508	0.0391	0.0263								
12/31/2013	0.0511	0.0484	0.0443	0.0357									
12/31/2014	0.0485	0.0426	0.0501										
12/31/2015	0.0373	0.0418											
12/31/2016	0.0451												

Best 3/5	0.0451	0.0449	0.0429	0.0267	0.0190	0.0117	0.0110	0.0096	0.0097	0.0067	0.0032	0.0032	0.0032
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PREMISES/OPERATIONS (Subline Code 334)  
MANUFACTURERS AND CONTRACTORS  
FULL COVERAGE  
MULTISTATE  
FRINGE COVERAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	8,631,221	11,793,262	14,692,944	13,904,922	15,112,812	14,806,497	14,825,647	15,065,080	15,384,537	15,175,335	15,323,283
12/31/1999	9,636,485	13,774,928	14,584,094	15,917,783	16,000,395	16,454,365	16,136,192	16,506,087	16,475,219	16,205,197	16,241,492
12/31/2000	9,713,795	12,437,175	16,589,381	17,023,171	17,527,633	17,858,305	18,146,355	18,059,789	18,133,942	17,739,429	18,079,553
12/31/2001	9,603,578	13,709,017	15,148,331	15,097,634	15,038,371	15,849,002	15,873,452	15,460,233	15,642,492	15,736,203	15,466,932
12/31/2002	10,790,333	12,821,974	13,759,031	15,107,439	14,742,184	14,591,400	14,441,460	14,261,959	14,339,315	14,091,997	13,949,292
12/31/2003	8,139,449	8,981,604	12,148,954	13,220,832	13,850,736	12,228,269	11,784,342	11,916,492	11,738,278	11,793,145	11,776,105
12/31/2004	11,883,624	18,341,557	19,177,722	20,686,944	19,736,844	19,354,199	18,596,584	18,740,787	18,749,003	18,610,838	18,450,961
12/31/2005	13,058,317	16,178,856	18,355,074	17,888,549	16,451,876	16,370,880	16,574,342	16,562,714	16,484,884	16,242,866	16,256,175
12/31/2006	13,308,248	16,240,717	16,843,801	17,446,744	16,906,682	16,484,431	16,468,986	16,689,105	16,714,330	16,734,472	16,745,307
12/31/2007	11,920,839	15,003,157	15,258,428	15,106,473	14,494,366	14,390,468	14,233,910	13,991,720	13,782,837	13,783,012	13,895,321
12/31/2008	9,829,677	11,093,311	12,233,576	12,367,808	11,816,544	12,038,320	11,503,491	11,237,392	11,232,943	11,270,528	
12/31/2009	9,505,102	11,531,619	11,634,549	11,633,380	11,946,521	11,438,069	11,442,998	11,284,466	11,394,660		
12/31/2010	8,410,268	10,097,488	10,393,928	10,402,088	9,699,670	9,969,685	9,976,920	9,924,079			
12/31/2011	7,660,944	9,489,387	9,653,373	9,492,081	10,233,282	10,171,333	10,236,042				
12/31/2012	6,176,891	7,973,445	8,314,106	8,989,513	9,001,680	9,289,072					
12/31/2013	5,966,450	7,810,461	8,691,523	9,428,268	9,683,594						
12/31/2014	7,205,964	9,578,026	10,595,017	11,165,956							
12/31/2015	7,749,754	9,806,172	11,439,733								
12/31/2016	6,993,104	9,265,834									
12/31/2017	7,662,774										

  

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	15,405,864	15,467,863	15,468,727	15,361,227	15,358,254	15,335,727	15,317,739	15,307,676	15,301,119
12/31/1999	16,236,926	16,269,923	16,164,703	16,161,382	16,238,182	16,160,442	16,160,442	16,160,442	
12/31/2000	18,043,519	17,906,906	17,958,667	17,983,666	18,023,671	17,996,836	18,096,836		
12/31/2001	15,760,779	15,866,104	15,758,123	15,658,123	15,658,099	15,658,099			
12/31/2002	14,053,942	13,922,763	13,958,479	13,941,079	13,941,079				
12/31/2003	11,586,594	11,686,594	11,697,826	11,699,594					
12/31/2004	18,622,511	18,517,511	18,517,511						
12/31/2005	16,062,944	16,057,943							
12/31/2006	16,631,053								

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

FRINGE COVERAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

	Link Ratios										
A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.366	1.246	0.946	1.087	0.980	1.001	1.016	1.021	0.986	1.010	1.005
12/31/1999	1.429	1.059	1.091	1.005	1.028	0.981	1.023	0.998	0.984	1.002	1.000
12/31/2000	1.280	1.334	1.026	1.030	1.019	1.016	0.995	1.004	0.978	1.019	0.998
12/31/2001	1.427	1.105	0.997	0.996	1.054	1.002	0.974	1.012	1.006	0.983	1.019
12/31/2002	1.188	1.073	1.098	0.976	0.990	0.990	0.988	1.005	0.983	0.990	1.008
12/31/2003	1.103	1.353	1.088	1.048	0.883	0.964	1.011	0.985	1.005	0.999	0.984
12/31/2004	1.543	1.046	1.079	0.954	0.981	0.961	1.008	1.000	0.993	0.991	1.009
12/31/2005	1.239	1.135	0.975	0.920	0.995	1.012	0.999	0.995	0.985	1.001	0.988
12/31/2006	1.220	1.037	1.036	0.969	0.975	0.999	1.013	1.002	1.001	1.001	0.993
12/31/2007	1.259	1.017	0.990	0.959	0.993	0.989	0.983	0.985	1.000	1.008	
12/31/2008	1.129	1.103	1.011	0.955	1.019	0.956	0.977	1.000	1.003		
12/31/2009	1.213	1.009	1.000	1.027	0.957	1.000	0.986	1.010			
12/31/2010	1.201	1.029	1.001	0.932	1.028	1.001	0.995				
12/31/2011	1.239	1.017	0.983	1.078	0.994	1.006					
12/31/2012	1.291	1.043	1.081	1.001	1.032						
12/31/2013	1.309	1.113	1.085	1.027							
12/31/2014	1.329	1.106	1.054								
12/31/2015	1.265	1.167									
12/31/2016	1.325										

3 Yr Mean	1.306	1.129	1.073	1.035	1.018	1.002	0.986	0.998	1.001	1.003	0.997
Best 3/5	1.308	1.087	1.045	1.018	1.014	0.997	0.988	0.999	0.998	1.000	0.996

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.004	1.000	0.993	1.000	0.999	0.999	0.999	1.000			
12/31/1999	1.002	0.994	1.000	1.005	0.995	1.000	1.000	0.999 *			
12/31/2000	0.992	1.003	1.001	1.002	0.999	1.006	0.999 *	0.999 *			
12/31/2001	1.007	0.993	0.994	1.000	1.000	0.999 *	0.999 *	0.999 *			
12/31/2002	0.991	1.003	0.999	1.000	1.001 *	0.999 *	0.999 *	0.999 *			
12/31/2003	1.009	1.001	1.000								
12/31/2004	0.994	1.000									
12/31/2005	1.000										
3 Yr Mean	1.001	1.001	0.998	1.001	0.998 @	1.002 @	1.000 @	1.000 @			
Best 3/5	1.000	1.001	1.000	1.001	0.999 *	0.999 *	0.999 *	0.999 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	Development From		63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013				51/ 63		1.014	0.997	0.988	0.999	0.998	1.000	0.996
12/31/2014					1.018	1.014	0.997	0.988	0.999	0.998	1.000	0.996
12/31/2015			1.045		1.018	1.014	0.997	0.988	0.999	0.998	1.000	0.996
12/31/2016		1.087	1.045		1.018	1.014	0.997	0.988	0.999	0.998	1.000	0.996
12/31/2017	1.308	1.087	1.045		1.018	1.014	0.997	0.988	0.999	0.998	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	
12/31/2013	1.000	1.001	1.000	1.001	0.999	0.999	0.999	0.999	0.996*	0.986	
12/31/2014	1.000	1.001	1.000	1.001	0.999	0.999	0.999	0.999	0.996*	1.004	
12/31/2015	1.000	1.001	1.000	1.001	0.999	0.999	0.999	0.999	0.996*	1.049	
12/31/2016	1.000	1.001	1.000	1.001	0.999	0.999	0.999	0.999	0.996*	1.140	
12/31/2017	1.000	1.001	1.000	1.001	0.999	0.999	0.999	0.999	0.996*	1.491	

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

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	1,933,121	9,075,268	16,421,231	20,070,593	22,951,247	24,039,073	25,737,665	26,359,516	27,782,916	27,968,473	29,032,824
12/31/1999	2,595,980	6,342,357	11,322,713	15,751,399	17,326,791	22,922,240	23,339,164	24,861,845	25,323,298	27,362,667	27,943,183
12/31/2000	2,087,086	4,911,519	10,633,669	12,970,827	14,565,434	15,052,338	15,319,914	15,988,566	16,484,513	16,817,152	16,947,164
12/31/2001	1,592,730	5,566,712	9,927,618	12,060,137	12,954,709	14,316,729	14,920,337	15,148,988	15,711,458	16,094,780	15,976,386
12/31/2002	2,099,721	5,925,659	8,067,140	10,799,985	13,441,285	13,552,182	13,864,322	14,128,076	14,172,594	14,218,950	14,249,596
12/31/2003	2,424,859	4,086,330	7,134,071	9,156,950	10,959,275	11,795,602	12,252,845	12,641,008	13,028,905	13,146,963	13,202,260
12/31/2004	1,366,218	4,722,586	10,757,164	16,025,340	23,136,036	25,228,434	21,332,621	21,122,246	21,437,218	22,774,959	22,799,762
12/31/2005	2,028,902	5,172,706	9,574,626	12,896,848	17,324,982	18,110,164	18,251,960	18,598,111	20,069,042	20,314,774	20,407,616
12/31/2006	1,784,813	6,046,403	9,953,042	12,225,598	13,780,036	16,060,735	17,253,832	17,990,515	18,218,278	18,316,449	18,474,647
12/31/2007	1,724,363	4,969,775	9,794,221	11,744,827	12,623,157	13,273,082	13,687,987	13,703,998	13,606,011	13,581,150	13,586,479
12/31/2008	1,345,422	5,625,921	8,379,751	11,181,796	12,901,981	14,509,472	15,846,053	16,485,501	16,914,546	16,950,824	
12/31/2009	1,732,038	5,827,125	11,300,953	14,834,715	17,008,318	17,667,372	17,922,069	18,679,315	19,593,267		
12/31/2010	1,566,575	4,664,329	7,276,380	10,123,514	11,387,591	12,720,646	13,418,588	13,136,985			
12/31/2011	1,101,491	3,892,841	10,972,957	13,884,169	17,151,082	18,447,389	19,953,434				
12/31/2012	1,553,643	4,704,623	11,592,466	14,293,534	15,014,392	15,545,560					
12/31/2013	2,503,040	6,926,414	9,402,684	11,739,277	15,805,238						
12/31/2014	2,798,297	8,275,204	12,326,787	21,133,989							
12/31/2015	1,072,235	4,859,357	8,378,642								
12/31/2016	2,936,305	5,749,053									
12/31/2017	2,173,133										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	29,419,725	29,127,541	29,214,861	29,208,976	29,208,976	29,208,976	29,208,976	29,210,681	29,210,681
12/31/1999	28,307,989	28,357,499	28,372,586	28,375,908	28,377,513	28,381,283	28,381,283	28,381,283	
12/31/2000	17,204,020	17,345,238	17,370,562	17,399,694	18,311,163	18,209,157	18,234,157		
12/31/2001	16,473,795	17,507,540	16,580,851	16,515,461	16,528,682	16,528,682			
12/31/2002	14,340,168	14,378,823	14,438,031	14,450,497	14,450,503				
12/31/2003	13,367,119	13,367,119	13,380,887	13,381,058					
12/31/2004	22,610,553	23,208,523	23,208,523						
12/31/2005	20,435,517	20,457,637							
12/31/2006	18,479,817								



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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	7,142,147	7,345,963	3,649,362	2,880,654	1,087,826	1,698,592	621,851	1,423,400	185,557	1,064,351	386,901	-292,184	87,320
12/31/1999	3,746,377	4,980,356	4,428,686	1,575,392	5,595,449	416,924	1,522,681	461,453	2,039,369	580,516	364,806	49,510	15,087
12/31/2000	2,824,433	5,722,150	2,337,158	1,594,607	486,904	267,576	668,652	495,947	332,639	130,012	256,856	141,218	25,324
12/31/2001	3,973,982	4,360,906	2,132,519	894,572	1,362,020	603,608	228,651	562,470	383,322	-118,394	497,409	1,033,745	-926,689
12/31/2002	3,825,938	2,141,481	2,732,845	2,641,300	110,897	312,140	263,754	44,518	46,356	30,646	90,572	38,655	59,208
12/31/2003	1,661,471	3,047,741	2,022,879	1,802,325	836,327	457,243	388,163	387,897	118,058	55,297	164,859	0	13,768
12/31/2004	3,356,368	6,034,578	5,268,176	7,110,696	2,092,398	-3,895,813	-210,375	314,972	1,337,741	24,803	-189,209	597,970	0
12/31/2005	3,143,804	4,401,920	3,322,222	4,428,134	785,182	141,796	346,151	1,470,931	245,732	92,842	27,901	22,120	
12/31/2006	4,261,590	3,906,639	2,272,556	1,554,438	2,280,699	1,193,097	736,683	227,763	98,171	158,198	5,170		
12/31/2007	3,245,412	4,824,446	1,950,606	878,330	649,925	414,905	16,011	-97,987	-24,861	5,329			
12/31/2008	4,280,499	2,753,830	2,802,045	1,720,185	1,607,491	1,336,581	639,448	429,045	36,278				
12/31/2009	4,095,087	5,473,828	3,533,762	2,173,603	659,054	254,697	757,246	913,952					
12/31/2010	3,097,754	2,612,051	2,847,134	1,264,077	1,333,055	697,942	-281,603						
12/31/2011	2,791,350	7,080,116	2,911,212	3,266,913	1,296,307	1,506,045							
12/31/2012	3,150,980	6,887,843	2,701,068	720,858	531,168								
12/31/2013	4,423,374	2,476,270	2,336,593	4,065,961									
12/31/2014	5,476,907	4,051,583	8,807,202										
12/31/2015	3,787,122	3,519,285											
12/31/2016	2,812,748												

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
12/31/1998	0.2687	0.2763	0.1373	0.1084	0.0409	0.0639	0.0234	0.0535	0.0070	0.0400	0.0146	-0.0110	0.0033
12/31/1999	0.1367	0.1818	0.1616	0.0575	0.2042	0.0152	0.0556	0.0168	0.0744	0.0212	0.0133	0.0018	0.0006
12/31/2000	0.0995	0.2016	0.0823	0.0562	0.0172	0.0094	0.0236	0.0175	0.0117	0.0046	0.0090	0.0050	0.0009
12/31/2001	0.1623	0.1781	0.0871	0.0365	0.0556	0.0247	0.0093	0.0230	0.0157	-0.0048	0.0203	0.0422	-0.0378
12/31/2002	0.1735	0.0971	0.1239	0.1198	0.0050	0.0142	0.0120	0.0020	0.0021	0.0014	0.0041	0.0018	0.0027
12/31/2003	0.0894	0.1640	0.1088	0.0970	0.0450	0.0246	0.0209	0.0209	0.0064	0.0030	0.0089	0.0000	0.0007
12/31/2004	0.1229	0.2209	0.1929	0.2603	0.0766	-0.1426	-0.0077	0.0115	0.0490	0.0009	-0.0069	0.0219	0.0000
12/31/2005	0.1165	0.1631	0.1231	0.1641	0.0291	0.0053	0.0128	0.0545	0.0091	0.0034	0.0010	0.0008	
12/31/2006	0.1456	0.1334	0.0776	0.0531	0.0779	0.0408	0.0252	0.0078	0.0034	0.0054	0.0002		
12/31/2007	0.1541	0.2291	0.0926	0.0417	0.0309	0.0197	0.0008	-0.0047	-0.0012	0.0003			
12/31/2008	0.2296	0.1477	0.1503	0.0923	0.0862	0.0717	0.0343	0.0230	0.0019				
12/31/2009	0.2497	0.3337	0.2154	0.1325	0.0402	0.0155	0.0462	0.0557					
12/31/2010	0.1935	0.1632	0.1778	0.0790	0.0833	0.0436	-0.0176						
12/31/2011	0.1693	0.4293	0.1765	0.1981	0.0786	0.0913							
12/31/2012	0.2115	0.4623	0.1813	0.0484	0.0357								
12/31/2013	0.2944	0.1648	0.1555	0.2707									
12/31/2014	0.2575	0.1905	0.4141										
12/31/2015	0.1699	0.1579											
12/31/2016	0.1410												

Best 3/5	0.2130	0.2615	0.1786	0.1365	0.0674	0.0450	0.0201	0.0284	0.0048	0.0024	0.0018	0.0082	0.0005
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
MULTISTATE  
BODILY INJURY - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	244,253,956	320,857,701	365,628,038	375,402,369	368,866,942	369,782,952	366,537,385	365,703,355	363,932,881	363,764,754	364,221,468
12/31/1999	268,519,474	359,720,096	413,355,837	412,933,904	413,852,829	409,753,006	406,247,276	402,340,623	402,122,735	402,245,187	402,851,240
12/31/2000	260,441,339	352,357,598	390,685,325	405,120,297	402,024,220	397,077,930	391,626,965	389,820,324	389,469,063	388,924,805	388,550,558
12/31/2001	255,461,202	316,933,023	360,425,898	377,734,559	376,439,682	369,957,205	367,228,950	363,964,614	363,512,467	362,903,237	363,421,413
12/31/2002	234,202,782	298,478,207	352,120,694	370,350,853	364,941,598	360,074,965	356,716,360	355,999,180	354,996,857	355,377,948	355,102,988
12/31/2003	247,523,671	331,728,917	383,522,576	379,944,483	370,503,114	366,810,481	361,555,894	360,011,947	358,986,318	359,277,728	359,243,132
12/31/2004	271,947,781	357,202,350	375,945,414	383,352,641	382,733,017	377,631,295	375,836,262	375,155,079	374,470,104	373,989,977	374,292,441
12/31/2005	293,308,290	341,162,242	386,512,200	399,510,109	390,292,964	386,538,949	383,077,516	381,659,380	380,954,179	380,819,342	380,554,166
12/31/2006	266,717,636	337,075,891	377,480,789	383,838,324	377,095,598	371,189,795	368,723,917	366,369,676	366,020,883	365,531,206	365,177,863
12/31/2007	312,455,320	389,817,865	436,561,832	445,103,021	436,482,612	431,270,020	427,643,899	427,004,439	426,334,887	426,028,711	426,278,786
12/31/2008	301,347,400	386,621,208	429,740,934	431,312,860	423,760,686	418,265,765	415,376,119	412,918,925	412,382,215	411,620,873	
12/31/2009	328,148,867	420,342,520	463,391,504	468,454,519	460,960,374	458,009,123	453,765,968	451,574,467	450,561,355		
12/31/2010	357,992,472	448,723,214	495,541,114	500,501,259	492,395,460	489,673,220	487,284,934	485,220,518			
12/31/2011	353,662,932	457,717,317	508,219,862	512,688,877	504,870,326	500,564,481	496,568,766				
12/31/2012	300,333,027	391,267,364	426,700,193	432,396,827	430,684,255	428,475,242					
12/31/2013	333,293,927	421,503,435	469,913,053	487,966,351	490,308,207						
12/31/2014	337,278,102	440,561,307	518,734,546	553,519,107							
12/31/2015	332,940,373		453,088,486	542,202,055							
12/31/2016	314,731,970	442,444,325									
12/31/2017	342,879,693										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	363,839,876	364,179,046	363,978,218	363,987,842	364,219,921	364,291,371	364,327,320	364,467,825	364,667,511
12/31/1999	402,937,439	404,501,564	404,659,425	404,910,406	403,799,801	402,791,941	402,969,126	402,818,079	
12/31/2000	388,487,178	388,358,600	388,570,319	388,800,159	388,817,249	388,898,271	388,799,918		
12/31/2001	363,661,939	363,557,256	364,111,882	364,368,633	364,414,423	364,479,418			
12/31/2002	354,642,199	355,118,762	355,123,696	355,402,853	355,358,550				
12/31/2003	358,986,581	358,790,631	358,483,669	358,396,837					
12/31/2004	374,497,431	374,464,484	374,918,825						
12/31/2005	380,712,496	380,532,794							
12/31/2006	364,819,288								

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.314	1.140	1.027	0.983	1.002	0.991	0.998	0.995	1.000	1.001	0.999
12/31/1999	1.340	1.149	0.999	1.002	0.990	0.991	0.990	0.999	1.000	1.002	1.000
12/31/2000	1.353	1.109	1.037	0.992	0.988	0.986	0.995	0.999	0.999	0.999	1.000
12/31/2001	1.241	1.137	1.048	0.997	0.983	0.993	0.991	0.999	0.998	1.001	1.001
12/31/2002	1.274	1.180	1.052	0.985	0.987	0.991	0.998	0.997	1.001	0.999	0.999
12/31/2003	1.340	1.156	0.991	0.975	0.990	0.986	0.996	0.997	1.001	1.000	0.999
12/31/2004	1.313	1.052	1.020	0.998	0.987	0.995	0.998	0.998	0.999	1.001	1.001
12/31/2005	1.163	1.133	1.034	0.977	0.990	0.991	0.996	0.998	1.000	0.999	1.000
12/31/2006	1.264	1.120	1.017	0.982	0.984	0.993	0.994	0.999	0.999	0.999	0.999
12/31/2007	1.248	1.120	1.020	0.981	0.988	0.992	0.999	0.998	0.999	1.001	
12/31/2008	1.283	1.112	1.004	0.982	0.987	0.993	0.994	0.999	0.998		
12/31/2009	1.281	1.102	1.011	0.984	0.994	0.991	0.995	0.998			
12/31/2010	1.253	1.104	1.010	0.984	0.994	0.995	0.996				
12/31/2011	1.294	1.110	1.009	0.985	0.991	0.992					
12/31/2012	1.303	1.091	1.013	0.996	0.995						
12/31/2013	1.265	1.115	1.038	1.005							
12/31/2014	1.306	1.177	1.067								
12/31/2015	1.361	1.197									
12/31/2016	1.406										

3 Yr Mean	1.358	1.163	1.039	0.995	0.993	0.993	0.995	0.998	0.999	1.000	1.000
Best 3/5	1.323	1.134	1.020	0.988	0.993	0.992	0.995	0.998	0.999	1.000	0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.001	0.999	1.000	1.001	1.000	1.000	1.000	1.001			
12/31/1999	1.004	1.000	1.001	0.997	0.998	1.000	1.000	1.000 *			
12/31/2000	1.000	1.001	1.001	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2001	1.000	1.002	1.001	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	1.001	1.000	1.001	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	0.999	0.999	1.000								
12/31/2004	1.000	1.001									
12/31/2005	1.000										
3 Yr Mean	1.000	1.000	1.001	1.000	0.999 @	1.000 @	1.000 @	1.001 @			
Best 3/5	1.000	1.001	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
12/31/2013					0.993	0.992	0.995	0.998	0.999	1.000	0.999
12/31/2014				0.988	0.993	0.992	0.995	0.998	0.999	1.000	0.999
12/31/2015			1.020	0.988	0.993	0.992	0.995	0.998	0.999	1.000	0.999
12/31/2016		1.134	1.020	0.988	0.993	0.992	0.995	0.998	0.999	1.000	0.999
12/31/2017	1.323	1.134	1.020	0.988	0.993	0.992	0.995	0.998	0.999	1.000	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/Ult	FACTORS
12/31/2013	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.978
12/31/2014	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.966
12/31/2015	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.986
12/31/2016	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.118
12/31/2017	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.479

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	10,444,816	13,503,079	16,697,828	17,133,950	17,191,344	16,974,260	16,781,241	16,718,042	16,749,488	16,549,481	16,644,781
12/31/1999	8,840,278	12,687,537	15,683,897	15,937,493	15,469,997	15,344,351	15,314,391	15,749,474	15,414,562	15,402,808	15,359,059
12/31/2000	11,713,191	18,748,677	21,135,862	21,367,997	20,753,962	20,723,057	20,887,481	20,712,515	20,720,049	20,578,237	20,552,415
12/31/2001	14,971,979	20,917,398	24,150,636	23,100,119	22,722,849	22,961,061	22,937,463	23,210,646	23,090,337	23,282,339	23,250,214
12/31/2002	15,655,578	20,706,237	21,315,167	22,061,681	23,661,612	22,880,456	22,770,495	22,802,898	22,606,393	22,572,893	22,622,893
12/31/2003	15,362,083	22,145,987	20,630,489	23,767,370	24,800,824	23,703,833	23,222,585	22,993,495	23,071,672	23,085,795	23,162,205
12/31/2004	18,027,394	20,253,218	26,116,260	27,000,811	24,435,675	23,574,788	23,321,269	23,216,922	23,148,297	23,184,773	23,229,622
12/31/2005	15,487,245	20,195,868	22,475,145	20,920,300	20,370,595	19,809,217	19,688,410	19,925,947	19,757,897	19,694,284	19,790,739
12/31/2006	15,653,185	21,279,989	25,804,272	26,584,369	24,927,256	25,030,492	24,758,705	24,656,262	24,708,568	24,696,378	24,696,381
12/31/2007	16,552,314	21,032,192	24,010,079	24,239,259	24,028,580	23,604,731	23,492,395	23,678,059	23,602,493	23,494,560	23,433,467
12/31/2008	17,502,416	22,143,987	23,285,293	23,408,933	23,979,801	23,245,153	23,405,531	23,351,949	23,176,959	23,143,078	
12/31/2009	14,447,125	17,213,282	20,170,613	20,972,735	20,858,164	21,012,818	21,010,875	20,969,997	20,993,122		
12/31/2010	12,411,470	15,114,967	18,165,032	18,228,506	17,863,974	17,578,385	17,362,791	17,268,085			
12/31/2011	12,216,916	16,906,328	19,059,358	20,350,809	20,110,037	20,129,615	20,126,026				
12/31/2012	10,937,596	15,379,491	16,297,141	16,628,623	16,199,588	16,271,799					
12/31/2013	14,573,022	18,121,031	21,489,359	23,097,065	22,487,290						
12/31/2014	13,332,995	19,344,053	22,873,335	24,051,411							
12/31/2015	18,502,453	26,883,480	31,376,286								
12/31/2016	16,659,400	23,612,777									
12/31/2017	17,800,176										

  

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	16,644,781	16,632,139	16,617,140	16,617,140	16,715,140	16,715,140	16,715,140	16,715,140	16,715,140
12/31/1999	15,357,960	15,357,960	15,408,210	15,558,210	15,553,210	15,553,210	15,553,210	15,562,820	
12/31/2000	20,552,414	20,554,664	20,659,664	20,659,664	20,659,664	20,659,664	20,759,666		
12/31/2001	23,351,213	23,350,212	23,394,099	23,409,323	23,410,922	23,511,737			
12/31/2002	22,621,756	22,597,807	22,803,110	22,753,188	22,853,550				
12/31/2003	23,189,837	23,205,644	23,255,644	23,255,644					
12/31/2004	23,214,772	23,214,772	23,214,772						
12/31/2005	19,790,704	19,785,704							
12/31/2006	24,646,511								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.293	1.237	1.026	1.003	0.987	0.989	0.996	1.002	0.988	1.006	1.000
12/31/1999	1.435	1.236	1.016	0.971	0.992	0.998	1.028	0.979	0.999	0.997	1.000
12/31/2000	1.601	1.127	1.011	0.971	0.999	1.008	0.992	1.000	0.993	0.999	1.000
12/31/2001	1.397	1.155	0.957	0.984	1.010	0.999	1.012	0.995	1.008	0.999	1.004
12/31/2002	1.323	1.029	1.035	1.073	0.967	0.995	1.001	0.991	0.999	1.002	1.000
12/31/2003	1.442	0.932	1.152	1.043	0.956	0.980	0.990	1.003	1.001	1.003	1.001
12/31/2004	1.123	1.289	1.034	0.905	0.965	0.989	0.996	0.997	1.002	1.002	0.999
12/31/2005	1.304	1.113	0.931	0.974	0.972	0.994	1.012	0.992	0.997	1.005	1.000
12/31/2006	1.359	1.213	1.030	0.938	1.004	0.989	0.996	1.002	1.000	1.000	0.998
12/31/2007	1.271	1.142	1.010	0.991	0.982	0.995	1.008	0.997	0.995	0.997	
12/31/2008	1.265	1.052	1.005	1.024	0.969	1.007	0.998	0.993	0.999		
12/31/2009	1.191	1.172	1.040	0.995	1.007	1.000	0.998	1.001			
12/31/2010	1.218	1.202	1.003	0.980	0.984	0.988	0.995				
12/31/2011	1.384	1.127	1.068	0.988	1.001	1.000					
12/31/2012	1.406	1.060	1.020	0.974	1.004						
12/31/2013	1.243	1.186	1.075	0.974							
12/31/2014	1.451	1.182	1.052								
12/31/2015	1.453	1.167									
12/31/2016	1.417										

3 Yr Mean	1.440	1.178	1.049	0.979	0.996	0.996	0.997	0.997	0.998	1.001	0.999
Best 3/5	1.425	1.159	1.047	0.981	0.996	0.998	0.997	0.997	0.999	1.002	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.999	0.999	1.000	1.006	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.003	1.010	1.000	1.000	1.000	1.001	1.000 *			
12/31/2000	1.000	1.005	1.000	1.000	1.000	1.005	1.000 *	1.000 *			
12/31/2001	1.000	1.002	1.001	1.000	1.004	1.000 *	1.000 *	1.000 *			
12/31/2002	0.999	1.009	0.998	1.004	1.001 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.001	1.002	1.000								
12/31/2004	1.000	1.000									
12/31/2005	1.000										
3 Yr Mean	1.000	1.004	1.000	1.001	1.001 @	1.002 @	1.001 @	1.000 @			
Best 3/5	1.000	1.003	1.000	1.001	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					0.996	0.998	0.997	0.997	0.999	1.002	1.000
12/31/2014				0.981	0.996	0.998	0.997	0.997	0.999	1.002	1.000
12/31/2015			1.047	0.981	0.996	0.998	0.997	0.997	0.999	1.002	1.000
12/31/2016		1.159	1.047	0.981	0.996	0.998	0.997	0.997	0.999	1.002	1.000
12/31/2017	1.425	1.159	1.047	0.981	0.996	0.998	0.997	0.997	0.999	1.002	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2013	1.000	1.003	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	0.993
12/31/2014	1.000	1.003	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	0.974
12/31/2015	1.000	1.003	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.020
12/31/2016	1.000	1.003	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.182
12/31/2017	1.000	1.003	1.000	1.001	1.000	1.000	1.000	1.000	1.000*	1.684

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

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	33,038,985	59,428,260	87,901,872	112,233,348	110,822,797	117,142,624	118,755,928	120,932,374	122,602,910	124,301,376	126,482,560
12/31/1999	36,353,672	68,306,669	103,522,870	119,356,254	133,716,113	139,564,157	142,326,264	148,129,057	149,473,481	152,534,877	153,524,971
12/31/2000	35,020,461	68,853,684	103,739,051	126,820,730	138,096,655	145,327,803	149,479,195	152,630,764	153,808,042	153,763,979	155,822,474
12/31/2001	35,503,718	65,579,979	99,126,516	127,656,003	142,541,442	152,288,709	157,311,899	160,018,268	163,112,721	165,343,763	166,194,034
12/31/2002	35,779,219	66,452,455	104,493,304	132,774,425	149,759,212	155,995,671	159,505,670	161,770,191	161,353,258	162,710,017	163,013,339
12/31/2003	36,643,556	71,245,409	111,374,868	139,146,375	154,813,412	159,814,505	161,798,615	164,281,472	165,695,647	166,415,223	167,228,787
12/31/2004	34,988,336	73,297,767	112,126,456	142,918,679	156,095,085	161,025,565	163,943,444	165,508,495	167,680,463	168,162,504	169,028,734
12/31/2005	31,132,803	69,146,836	114,172,581	144,225,384	156,791,871	163,257,002	166,629,628	168,772,996	170,416,595	171,604,891	172,222,567
12/31/2006	32,480,349	70,392,123	117,300,645	146,530,441	163,871,585	169,999,959	173,162,825	173,565,156	175,308,991	178,478,400	179,099,059
12/31/2007	33,799,071	75,350,504	130,464,020	168,431,500	184,584,977	189,686,018	192,551,012	194,444,472	196,607,330	196,530,624	196,580,223
12/31/2008	30,426,815	78,823,843	132,104,391	175,560,081	195,535,971	202,048,053	205,805,139	208,061,840	209,452,938	209,409,494	
12/31/2009	39,986,883	89,258,412	148,519,592	188,217,883	206,023,850	216,070,958	222,016,597	226,006,055	226,542,374		
12/31/2010	44,515,599	101,640,123	162,473,127	202,440,473	223,418,998	232,152,426	236,268,125	239,434,385			
12/31/2011	48,684,490	104,400,089	170,021,056	212,004,659	231,051,138	240,141,934	245,219,856				
12/31/2012	41,810,275	93,112,486	151,299,379	193,244,517	216,818,029	224,215,682					
12/31/2013	50,881,046	109,481,701	173,349,622	229,801,105	253,817,556						
12/31/2014	52,538,030	116,670,692	194,033,583	245,790,305							
12/31/2015	52,946,283	117,708,916	194,043,340								
12/31/2016	49,496,317	106,991,555									
12/31/2017	48,498,031										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	125,833,069	126,353,172	126,469,240	126,776,857	127,191,302	127,557,716	127,872,364	128,099,020	128,266,525
12/31/1999	154,642,749	155,904,209	156,500,391	157,370,123	157,972,555	157,572,006	157,818,298	158,237,571	
12/31/2000	158,096,547	157,168,644	158,280,745	158,885,334	159,427,227	159,543,218	159,674,902		
12/31/2001	166,625,928	168,149,519	170,754,526	171,819,142	171,781,311	172,217,596			
12/31/2002	163,184,995	163,814,297	164,101,477	164,296,556	164,568,311				
12/31/2003	168,284,549	168,905,022	168,783,637	168,732,913					
12/31/2004	169,743,031	170,610,444	172,298,223						
12/31/2005	173,762,667	172,305,119							
12/31/2006	179,238,087								

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

A.Y.E.	Increments												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	26,389,275	28,473,612	24,331,476	-1,410,551	6,319,827	1,613,304	2,176,446	1,670,536	1,698,466	2,181,184	-649,491	520,103	116,068
12/31/1999	31,952,997	35,216,201	15,833,384	14,359,859	5,848,044	2,762,107	5,802,793	1,344,424	3,061,396	990,094	1,117,778	1,261,460	596,182
12/31/2000	33,833,223	34,885,367	23,081,679	11,275,925	7,231,148	4,151,392	3,151,569	1,177,278	-44,063	2,058,495	2,274,073	-927,903	1,112,101
12/31/2001	30,076,261	33,546,537	28,529,487	14,885,439	9,747,267	5,023,190	2,706,369	3,094,453	2,231,042	850,271	431,894	1,523,591	2,605,007
12/31/2002	30,673,236	38,040,849	28,281,121	16,984,787	6,236,459	3,509,999	2,264,521	-416,933	1,356,759	303,322	171,656	629,302	287,180
12/31/2003	34,601,853	40,129,459	27,771,507	15,667,037	5,001,093	1,984,110	2,482,857	1,414,175	719,576	813,564	1,055,762	620,473	-121,385
12/31/2004	38,309,431	38,828,689	30,792,223	13,176,406	4,930,480	2,917,879	1,565,051	2,171,968	482,041	866,230	714,297	867,413	1,687,779
12/31/2005	38,014,033	45,025,745	30,052,803	12,566,487	6,465,131	3,372,626	2,143,368	1,643,599	1,188,296	617,676	1,540,100	-1,457,548	
12/31/2006	37,911,774	46,908,522	29,229,796	17,341,144	6,128,374	3,162,866	402,331	1,743,835	3,169,409	620,659	139,028		
12/31/2007	41,551,433	55,113,516	37,967,480	16,153,477	5,101,041	2,864,994	1,893,460	2,162,858	-76,706	49,599			
12/31/2008	48,397,028	53,280,548	43,455,690	19,975,890	6,512,082	3,757,086	2,256,701	1,391,098	-43,444				
12/31/2009	49,271,529	59,261,180	39,698,291	17,805,967	10,047,108	5,945,639	3,989,458	536,319					
12/31/2010	57,124,524	60,833,004	39,967,346	20,978,525	8,733,428	4,115,699	3,166,260						
12/31/2011	55,715,599	65,620,967	41,983,603	19,046,479	9,090,796	5,077,922							
12/31/2012	51,302,211	58,186,893	41,945,138	23,573,512	7,397,653								
12/31/2013	58,600,655	63,867,921	56,451,483	24,016,451									
12/31/2014	64,132,662	77,362,891	51,756,722										
12/31/2015	64,762,633	76,334,424											
12/31/2016	57,495,238												

A.Y.E.	Incremental Percentages												
	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	0.0514	0.0554	0.0474	-0.0027	0.0123	0.0031	0.0042	0.0033	0.0033	0.0042	-0.0013	0.0010	0.0002
12/31/1999	0.0570	0.0628	0.0282	0.0256	0.0104	0.0049	0.0103	0.0024	0.0055	0.0018	0.0020	0.0022	0.0011
12/31/2000	0.0614	0.0634	0.0419	0.0205	0.0131	0.0075	0.0057	0.0021	-0.0001	0.0037	0.0041	-0.0017	0.0020
12/31/2001	0.0561	0.0625	0.0532	0.0277	0.0182	0.0094	0.0050	0.0058	0.0042	0.0016	0.0008	0.0028	0.0049
12/31/2002	0.0583	0.0723	0.0537	0.0323	0.0118	0.0067	0.0043	-0.0008	0.0026	0.0006	0.0003	0.0012	0.0005
12/31/2003	0.0664	0.0770	0.0533	0.0300	0.0096	0.0038	0.0048	0.0027	0.0014	0.0016	0.0020	0.0012	-0.0002
12/31/2004	0.0697	0.0707	0.0560	0.0240	0.0090	0.0053	0.0028	0.0040	0.0009	0.0016	0.0013	0.0016	0.0031
12/31/2005	0.0669	0.0792	0.0529	0.0221	0.0114	0.0059	0.0038	0.0029	0.0021	0.0011	0.0027	-0.0026	
12/31/2006	0.0688	0.0851	0.0531	0.0315	0.0111	0.0057	0.0007	0.0032	0.0058	0.0011	0.0003		
12/31/2007	0.0629	0.0834	0.0575	0.0245	0.0077	0.0043	0.0029	0.0033	-0.0001	0.0001			
12/31/2008	0.0774	0.0853	0.0695	0.0320	0.0104	0.0060	0.0036	0.0022	-0.0001				
12/31/2009	0.0713	0.0857	0.0574	0.0258	0.0145	0.0086	0.0058	0.0008					
12/31/2010	0.0767	0.0817	0.0537	0.0282	0.0117	0.0055	0.0043						
12/31/2011	0.0727	0.0856	0.0548	0.0248	0.0119	0.0066							
12/31/2012	0.0751	0.0852	0.0614	0.0345	0.0108								
12/31/2013	0.0749	0.0816	0.0722	0.0307									
12/31/2014	0.0749	0.0903	0.0604										
12/31/2015	0.0742	0.0875											
12/31/2016	0.0702												

Best 3/5	0.0747	0.0861	0.0589	0.0282	0.0115	0.0061	0.0036	0.0028	0.0010	0.0013	0.0012	0.0013	0.0019
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
MULTISTATE  
PROPERTY DAMAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	40,502,266	45,417,618	47,700,886	50,007,124	49,274,428	50,038,151	49,642,982	49,578,698	49,824,851	49,580,938	49,672,055
12/31/1999	44,267,333	50,549,905	53,374,981	54,099,545	54,660,541	53,983,670	53,584,490	54,208,835	54,151,469	54,509,511	54,441,447
12/31/2000	44,165,801	46,984,901	49,357,326	50,977,649	51,985,891	51,698,049	51,483,692	51,136,277	51,826,002	52,024,253	52,242,083
12/31/2001	36,194,221	41,166,308	44,581,812	45,438,542	46,161,479	46,961,554	47,041,680	47,900,247	48,462,984	48,791,569	49,017,179
12/31/2002	33,407,027	36,936,346	39,418,321	41,709,535	42,743,268	43,219,057	43,323,369	43,559,220	43,537,263	43,693,176	44,134,304
12/31/2003	34,238,839	37,518,986	39,510,652	41,275,087	43,246,561	43,399,966	43,630,286	43,407,923	43,518,282	43,630,279	43,782,653
12/31/2004	32,615,985	37,401,822	37,922,148	39,018,641	41,566,959	41,258,963	41,298,801	41,296,330	41,826,834	42,314,351	42,310,969
12/31/2005	30,284,186	34,171,685	35,782,784	37,099,812	37,869,302	37,854,992	38,013,408	38,370,315	38,623,820	38,826,202	38,391,563
12/31/2006	31,903,836	33,046,705	35,336,971	36,478,073	37,010,445	37,634,163	38,235,141	38,491,055	38,851,140	38,890,165	39,165,040
12/31/2007	35,161,526	39,866,062	41,493,341	43,562,030	42,896,148	42,871,349	44,231,654	45,387,704	45,654,617	45,681,713	45,627,128
12/31/2008	39,776,186	42,892,968	44,854,882	45,025,575	45,255,816	46,220,984	46,098,574	45,341,410	45,621,219	45,569,278	
12/31/2009	39,279,028	43,727,680	46,403,951	46,699,602	47,109,393	47,620,915	47,689,361	48,105,467	48,267,546		
12/31/2010	43,141,151	47,829,163	48,499,382	49,946,931	49,603,331	49,490,119	50,059,881	50,412,324			
12/31/2011	50,599,635	53,464,407	55,369,961	55,625,974	56,126,643	56,309,816	56,761,564				
12/31/2012	43,848,206	46,726,092	48,967,018	49,395,744	49,931,958	50,274,185					
12/31/2013	46,166,708	51,914,319	52,955,891	54,651,680	55,355,260						
12/31/2014	49,994,684	52,609,134	55,624,184	57,276,459							
12/31/2015	45,882,978	50,671,488	56,935,310								
12/31/2016	39,985,284	47,337,921									
12/31/2017	45,664,143										

  

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	49,960,829	49,833,819	49,877,312	49,907,015	50,058,484	50,210,426	50,417,831	50,596,988	50,640,887
12/31/1999	54,535,405	54,438,306	54,514,619	54,678,411	54,672,547	54,665,488	54,824,840	55,025,983	
12/31/2000	52,402,605	52,526,344	52,760,611	52,764,850	52,874,953	52,912,902	53,012,399		
12/31/2001	49,257,605	49,540,608	49,275,688	49,343,967	49,363,437	49,512,172			
12/31/2002	44,212,923	44,177,056	44,442,054	44,396,244	44,609,162				
12/31/2003	43,971,826	43,939,502	43,924,853	44,074,670					
12/31/2004	42,295,748	42,298,753	42,398,830						
12/31/2005	38,491,038	38,441,503							
12/31/2006	39,184,857								



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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.121	1.050	1.048	0.985	1.015	0.992	0.999	1.005	0.995	1.002	1.006
12/31/1999	1.142	1.056	1.014	1.010	0.988	0.993	1.012	0.999	1.007	0.999	1.002
12/31/2000	1.064	1.050	1.033	1.020	0.994	0.996	0.993	1.013	1.004	1.004	1.003
12/31/2001	1.137	1.083	1.019	1.016	1.017	1.002	1.018	1.012	1.007	1.005	1.005
12/31/2002	1.106	1.067	1.058	1.025	1.011	1.002	1.005	0.999	1.004	1.010	1.002
12/31/2003	1.096	1.053	1.045	1.048	1.004	1.005	0.995	1.003	1.003	1.003	1.004
12/31/2004	1.147	1.014	1.029	1.065	0.993	1.001	1.000	1.013	1.012	1.000	1.000
12/31/2005	1.128	1.047	1.037	1.021	1.000	1.004	1.009	1.007	1.005	0.989	1.003
12/31/2006	1.036	1.069	1.032	1.015	1.017	1.016	1.007	1.009	1.001	1.007	1.001
12/31/2007	1.134	1.041	1.050	0.985	0.999	1.032	1.026	1.006	1.001	0.999	
12/31/2008	1.078	1.046	1.004	1.005	1.021	0.997	0.984	1.006	0.999		
12/31/2009	1.113	1.061	1.006	1.009	1.011	1.001	1.009	1.003			
12/31/2010	1.109	1.014	1.030	0.993	0.998	1.012	1.007				
12/31/2011	1.057	1.036	1.005	1.009	1.003	1.008					
12/31/2012	1.066	1.048	1.009	1.011	1.007						
12/31/2013	1.124	1.020	1.032	1.013							
12/31/2014	1.052	1.057	1.030								
12/31/2015	1.104	1.124									
12/31/2016	1.184										
3 Yr Mean	1.113	1.067	1.024	1.011	1.003	1.007	1.000	1.005	1.000	0.998	1.001
Best 3/5	1.098	1.047	1.023	1.010	1.007	1.007	1.008	1.006	1.002	1.001	1.002

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.997	1.001	1.001	1.003	1.003	1.004	1.004	1.001			
12/31/1999	0.998	1.001	1.003	1.000	1.000	1.003	1.004	1.003 *			
12/31/2000	1.002	1.004	1.000	1.002	1.001	1.002	1.002 *	1.003 *			
12/31/2001	1.006	0.995	1.001	1.000	1.003	1.002 *	1.002 *	1.003 *			
12/31/2002	0.999	1.006	0.999	1.005	1.002 *	1.002 *	1.002 *	1.003 *			
12/31/2003	0.999	1.000	1.003								
12/31/2004	1.000	1.002									
12/31/2005	0.999										
3 Yr Mean	0.999	1.003	1.001	1.002	1.001 @	1.003 @	1.004 @	1.001 @			
Best 3/5	0.999	1.002	1.001	1.002	1.002 *	1.002 *	1.003 *	1.003 *			

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
12/31/2013					1.007	1.007	1.008	1.006	1.002	1.001	1.002
12/31/2014				1.010	1.007	1.007	1.008	1.006	1.002	1.001	1.002
12/31/2015			1.023	1.010	1.007	1.007	1.008	1.006	1.002	1.001	1.002
12/31/2016		1.047	1.023	1.010	1.007	1.007	1.008	1.006	1.002	1.001	1.002
12/31/2017	1.098	1.047	1.023	1.010	1.007	1.007	1.008	1.006	1.002	1.001	1.002

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2013	0.999	1.002	1.001	1.002	1.002	1.002	1.003	1.003	1.012*	1.061
12/31/2014	0.999	1.002	1.001	1.002	1.002	1.002	1.003	1.003	1.012*	1.071
12/31/2015	0.999	1.002	1.001	1.002	1.002	1.002	1.003	1.003	1.012*	1.096
12/31/2016	0.999	1.002	1.001	1.002	1.002	1.002	1.003	1.003	1.012*	1.147
12/31/2017	0.999	1.002	1.001	1.002	1.002	1.002	1.003	1.003	1.012*	1.260

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	2,272,317	2,331,738	2,697,941	2,577,883	2,735,697	2,560,562	2,571,362	2,824,641	2,908,198	3,115,718	3,126,644
12/31/1999	2,457,896	2,626,170	2,996,216	2,952,376	3,169,725	3,185,212	3,307,680	3,570,051	3,732,194	3,677,303	3,617,412
12/31/2000	2,072,092	2,115,247	2,406,022	2,618,896	2,591,538	2,628,452	2,740,629	2,637,629	2,642,628	2,641,631	2,667,130
12/31/2001	2,654,258	2,672,369	3,015,855	3,073,749	3,090,560	3,298,511	3,140,444	3,138,042	3,393,000	3,402,946	3,577,311
12/31/2002	1,822,719	2,164,451	2,416,640	2,205,742	2,262,976	2,212,419	2,119,330	2,100,611	2,112,609	2,119,109	2,118,109
12/31/2003	2,175,113	2,486,633	2,459,204	2,849,811	2,842,207	2,938,100	2,999,455	3,006,239	2,975,890	2,926,389	2,892,856
12/31/2004	2,251,778	2,740,819	2,799,025	3,587,721	3,309,602	3,410,534	3,348,708	3,357,778	3,350,828	3,452,890	3,451,489
12/31/2005	1,854,874	2,174,596	2,677,992	2,592,947	2,644,012	2,641,499	2,745,948	2,989,947	2,795,526	2,807,671	2,811,769
12/31/2006	2,301,025	2,352,164	2,635,459	2,877,435	3,166,029	2,933,152	3,068,388	3,324,410	3,153,237	3,253,236	3,188,575
12/31/2007	1,933,438	2,610,327	2,532,862	2,727,756	2,779,618	2,770,530	2,681,955	2,679,030	2,679,030	2,679,030	2,694,031
12/31/2008	1,988,350	2,104,148	2,088,017	2,365,626	2,340,427	2,435,478	2,453,968	2,456,967	2,423,968	2,443,969	
12/31/2009	2,188,492	2,178,329	2,255,376	2,434,773	2,406,253	2,456,022	2,514,382	2,571,463	2,561,827		
12/31/2010	2,045,007	2,146,096	2,198,913	2,219,668	2,208,169	2,248,169	2,273,175	2,247,179			
12/31/2011	1,723,758	2,057,961	2,470,191	2,461,474	2,743,303	2,865,316	3,035,515				
12/31/2012	1,367,146	1,902,469	2,261,461	2,431,273	2,498,378	2,518,912					
12/31/2013	2,625,066	2,821,864	2,535,822	2,579,547	2,516,197						
12/31/2014	2,509,436	2,326,237	2,387,767	2,455,926							
12/31/2015	3,472,876	3,731,985	3,848,192								
12/31/2016	2,562,585	2,706,151									
12/31/2017	3,203,075										

  

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	3,120,209	3,085,172	3,085,172	3,098,782	3,180,032	3,180,032	3,179,997	3,179,997	3,179,997
12/31/1999	3,614,611	3,609,611	3,607,986	3,605,486	3,605,386	3,605,386	3,605,386	3,605,386	
12/31/2000	2,641,630	2,638,255	2,638,564	2,638,666	2,638,665	2,638,665	2,738,665		
12/31/2001	3,478,783	3,501,061	3,376,060	3,376,060	3,390,523	3,490,524			
12/31/2002	2,126,609	2,126,609	2,126,609	2,126,609	2,226,609				
12/31/2003	2,904,219	3,004,220	3,012,120	3,301,221					
12/31/2004	3,550,990	3,552,865	3,552,765						
12/31/2005	2,810,442	2,806,639							
12/31/2006	3,284,036								

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
12/31/1998	1.026	1.157	0.956	1.061	0.936	1.004	1.098	1.030	1.071	1.004	0.998
12/31/1999	1.068	1.141	0.985	1.074	1.005	1.038	1.079	1.045	0.985	0.984	0.999
12/31/2000	1.021	1.137	1.088	0.990	1.014	1.043	0.962	1.002	1.000	1.010	0.990
12/31/2001	1.007	1.129	1.019	1.005	1.067	0.952	0.999	1.081	1.003	1.051	0.972
12/31/2002	1.187	1.117	0.913	1.026	0.978	0.958	0.991	1.006	1.003	1.000	1.004
12/31/2003	1.143	0.989	1.159	0.997	1.034	1.021	1.002	0.990	0.983	0.989	1.004
12/31/2004	1.217	1.021	1.282	0.922	1.030	0.982	1.003	0.998	1.030	1.000	1.029
12/31/2005	1.172	1.231	0.968	1.020	0.999	1.040	1.089	0.935	1.004	1.001	1.000
12/31/2006	1.022	1.120	1.092	1.100	0.926	1.046	1.083	0.949	1.032	0.980	1.030
12/31/2007	1.350	0.970	1.077	1.019	0.997	0.968	0.999	1.000	1.000	1.006	
12/31/2008	1.058	0.992	1.133	0.989	1.041	1.008	1.001	0.987	1.008		
12/31/2009	0.995	1.035	1.080	0.988	1.021	1.024	1.023	0.996			
12/31/2010	1.049	1.025	1.009	0.995	1.018	1.011	0.989				
12/31/2011	1.194	1.200	0.996	1.114	1.044	1.059					
12/31/2012	1.392	1.189	1.075	1.028	1.008						
12/31/2013	1.075	0.899	1.017	0.975							
12/31/2014	0.927	1.026	1.029								
12/31/2015	1.075	1.031									
12/31/2016	1.056										
3 Yr Mean	1.019	0.985	1.040	1.039	1.023	1.031	1.004	0.994	1.013	0.996	1.020
Best 3/5	1.069	1.082	1.018	1.004	1.027	1.014	1.008	0.977	1.014	0.997	1.012

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.989	1.000	1.004	1.026	1.000	1.000	1.000	1.000			
12/31/1999	0.999	1.000	0.999	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	0.999	1.000	1.000	1.000	1.000	1.038	1.000 *	1.000 *			
12/31/2001	1.006	0.964	1.000	1.004	1.029	1.001 *	1.000 *	1.000 *			
12/31/2002	1.000	1.000	1.000	1.047	1.010 *	1.001 *	1.000 *	1.000 *			
12/31/2003	1.034	1.003	1.096								
12/31/2004	1.001	1.000									
12/31/2005	0.999										
3 Yr Mean	1.011	1.001	1.032	1.017	1.010 @	1.013 @	1.000 @	1.000 @			
Best 3/5	1.002	1.000	1.000	1.010	1.003 *	1.001 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.027	1.014	1.008	0.977	1.014	0.997	1.012
12/31/2014				1.004	1.027	1.014	1.008	0.977	1.014	0.997	1.012
12/31/2015			1.018	1.004	1.027	1.014	1.008	0.977	1.014	0.997	1.012
12/31/2016		1.082	1.018	1.004	1.027	1.014	1.008	0.977	1.014	0.997	1.012
12/31/2017	1.069	1.082	1.018	1.004	1.027	1.014	1.008	0.977	1.014	0.997	1.012

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2013	1.002	1.000	1.000	1.010	1.003	1.001	1.000	1.000	1.000*	1.066
12/31/2014	1.002	1.000	1.000	1.010	1.003	1.001	1.000	1.000	1.000*	1.070
12/31/2015	1.002	1.000	1.000	1.010	1.003	1.001	1.000	1.000	1.000*	1.090
12/31/2016	1.002	1.000	1.000	1.010	1.003	1.001	1.000	1.000	1.000*	1.179
12/31/2017	1.002	1.000	1.000	1.010	1.003	1.001	1.000	1.000	1.000*	1.260

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	3,889,258	7,757,624	13,532,162	14,030,432	15,268,074	17,173,063	17,701,993	20,411,064	23,405,210	23,724,720	23,336,095
12/31/1999	5,199,906	8,765,368	13,026,596	16,462,071	19,864,799	22,645,472	23,012,238	23,855,500	24,601,408	26,891,680	28,022,794
12/31/2000	4,006,806	10,613,702	14,265,055	18,331,428	21,247,195	25,259,386	23,069,576	27,195,849	28,028,490	28,716,550	29,144,045
12/31/2001	6,575,602	12,450,138	17,961,848	22,769,386	26,766,875	31,765,084	36,354,358	41,601,929	44,153,752	43,892,226	44,859,857
12/31/2002	3,260,888	7,232,841	11,858,692	17,934,477	25,575,793	30,303,533	32,570,547	33,554,188	34,377,469	34,657,620	34,766,844
12/31/2003	3,946,389	8,247,161	12,892,452	16,637,134	21,228,741	23,963,813	25,805,115	25,972,898	26,375,344	27,272,470	27,695,634
12/31/2004	4,797,267	8,902,253	13,832,410	17,425,588	21,918,343	25,139,206	26,328,880	27,478,709	27,879,049	28,449,736	29,415,741
12/31/2005	2,827,943	7,638,159	11,752,252	16,099,151	19,829,111	21,620,648	23,889,251	26,358,894	27,836,915	28,760,319	31,618,345
12/31/2006	3,383,300	7,393,190	13,884,796	18,612,529	22,933,801	25,707,000	27,223,216	27,669,534	29,339,894	29,198,934	29,694,583
12/31/2007	4,990,931	10,001,529	14,405,146	18,620,152	21,761,476	23,993,526	26,647,018	27,727,355	28,260,733	28,989,459	29,176,369
12/31/2008	5,360,039	11,562,252	16,715,381	23,097,073	28,797,855	31,685,925	33,246,129	34,638,799	36,869,001	37,265,914	
12/31/2009	5,591,855	11,814,130	17,480,603	23,173,679	26,742,894	28,926,066	29,815,326	31,022,817	31,495,756		
12/31/2010	5,763,226	12,084,326	17,284,399	22,923,590	25,974,787	28,666,475	31,760,095	32,542,522			
12/31/2011	7,157,767	14,197,204	21,367,113	27,248,747	31,643,718	34,064,417	35,055,966				
12/31/2012	6,832,968	11,834,987	19,770,232	25,654,796	31,384,473	34,267,268					
12/31/2013	6,375,293	12,408,801	18,952,156	23,809,141	26,358,552						
12/31/2014	7,181,558	13,081,305	19,159,501	25,833,007							
12/31/2015	8,270,974	14,216,018	22,571,495								
12/31/2016	5,832,467	11,950,539									
12/31/2017	7,987,773										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	24,114,576	24,079,788	24,503,312	24,581,241	24,471,473	24,632,512	24,656,877	24,565,271	25,131,160
12/31/1999	28,949,421	29,626,037	29,626,238	30,040,208	30,182,146	30,334,867	30,366,986	30,596,149	
12/31/2000	29,363,092	29,862,597	30,061,982	30,097,037	30,053,914	30,109,485	30,161,213		
12/31/2001	45,854,903	46,177,563	46,166,259	46,358,928	46,470,705	46,499,039			
12/31/2002	34,892,657	35,023,912	34,968,095	35,033,544	35,087,127				
12/31/2003	27,499,578	27,545,371	27,745,949	27,806,649					
12/31/2004	29,997,622	30,399,486	30,671,810						
12/31/2005	31,745,916	31,776,809							
12/31/2006	29,950,701								

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	
12/31/1998	3,868,366	5,774,538	498,270	1,237,642	1,904,989	528,930	2,709,071	2,994,146	319,510	-388,625	778,481	-34,788	423,524	
12/31/1999	3,565,462	4,261,228	3,435,475	3,402,728	2,780,673	366,766	843,262	745,908	2,290,272	1,131,114	926,627	676,616	201	
12/31/2000	6,606,896	3,651,353	4,066,373	2,915,767	4,012,191	-2,189,810	4,126,273	832,641	688,060	427,495	219,047	499,505	199,385	
12/31/2001	5,874,536	5,511,710	4,807,538	3,997,489	4,998,209	4,589,274	5,247,571	2,551,823	-261,526	967,631	995,046	322,660	-11,304	
12/31/2002	3,971,953	4,625,851	6,075,785	7,641,316	4,727,740	2,267,014	983,641	823,281	280,151	109,224	125,813	131,255	-55,817	
12/31/2003	4,300,772	4,645,291	3,744,682	4,591,607	2,735,072	1,841,302	167,783	402,446	897,126	423,164	-196,056	45,793	200,578	
12/31/2004	4,104,986	4,930,157	3,593,178	4,492,755	3,220,863	1,189,674	1,149,829	400,340	570,687	966,005	581,881	401,864	272,324	
12/31/2005	4,810,216	4,114,093	4,346,899	3,729,960	1,791,537	2,268,603	2,469,643	1,478,021	923,404	2,858,026	127,571	30,893		
12/31/2006	4,009,890	6,491,606	4,727,733	4,321,272	2,773,199	1,516,216	446,318	1,670,360	-140,960	495,649	256,118			
12/31/2007	5,010,598	4,403,617	4,215,006	3,141,324	2,232,050	2,653,492	1,080,337	533,378	728,726	186,910				
12/31/2008	6,202,213	5,153,129	6,381,692	5,700,782	2,888,070	1,560,204	1,392,670	2,230,202	396,913					
12/31/2009	6,222,275	5,666,473	5,693,076	3,569,215	2,183,172	889,260	1,207,491	472,939						
12/31/2010	6,321,100	5,200,073	5,639,191	3,051,197	2,691,688	3,093,620	782,427							
12/31/2011	7,039,437	7,169,909	5,881,634	4,394,971	2,420,699	991,549								
12/31/2012	5,002,019	7,935,245	5,884,564	5,729,677	2,882,795									
12/31/2013	6,033,508	6,543,355	4,856,985	2,549,411										
12/31/2014	5,899,747	6,078,196	6,673,506											
12/31/2015	5,945,044	8,355,477												
12/31/2016	6,118,072													

	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
12/31/1998	0.0580	0.0865	0.0075	0.0185	0.0285	0.0079	0.0406	0.0449	0.0048	-0.0058	0.0117	-0.0005	0.0063
12/31/1999	0.0480	0.0574	0.0463	0.0459	0.0375	0.0049	0.0114	0.0101	0.0309	0.0152	0.0125	0.0091	0.0000
12/31/2000	0.0970	0.0536	0.0597	0.0428	0.0589	-0.0322	0.0606	0.0122	0.0101	0.0063	0.0032	0.0073	0.0029
12/31/2001	0.0864	0.0811	0.0707	0.0588	0.0735	0.0675	0.0772	0.0376	-0.0038	0.0142	0.0146	0.0047	-0.0002
12/31/2002	0.0610	0.0710	0.0933	0.1173	0.0726	0.0348	0.0151	0.0126	0.0043	0.0017	0.0019	0.0020	-0.0009
12/31/2003	0.0735	0.0794	0.0640	0.0785	0.0468	0.0315	0.0029	0.0069	0.0153	0.0072	-0.0034	0.0008	0.0034
12/31/2004	0.0702	0.0843	0.0614	0.0768	0.0551	0.0203	0.0197	0.0068	0.0098	0.0165	0.0099	0.0069	0.0047
12/31/2005	0.0920	0.0787	0.0832	0.0714	0.0343	0.0434	0.0473	0.0283	0.0177	0.0547	0.0024	0.0006	
12/31/2006	0.0774	0.1254	0.0913	0.0834	0.0536	0.0293	0.0086	0.0323	-0.0027	0.0096	0.0049		
12/31/2007	0.0820	0.0721	0.0690	0.0514	0.0365	0.0434	0.0177	0.0087	0.0119	0.0031			
12/31/2008	0.1002	0.0833	0.1031	0.0921	0.0467	0.0252	0.0225	0.0360	0.0064				
12/31/2009	0.0951	0.0866	0.0870	0.0546	0.0334	0.0136	0.0185	0.0072					
12/31/2010	0.0890	0.0732	0.0794	0.0430	0.0379	0.0436	0.0110						
12/31/2011	0.0838	0.0853	0.0700	0.0523	0.0288	0.0118							
12/31/2012	0.0685	0.1086	0.0805	0.0784	0.0394								
12/31/2013	0.0740	0.0803	0.0596	0.0313									
12/31/2014	0.0681	0.0701	0.0770										
12/31/2015	0.0689	0.0968											
12/31/2016	0.0811												

Best 3/5	0.0704	0.0875	0.0755	0.0500	0.0369	0.0274	0.0157	0.0231	0.0094	0.0111	0.0031	0.0025	0.0021
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PREMISES/OPERATIONS (Subline Code 334)  
OWNERS, LANDLORDS AND TENANTS  
FULL COVERAGE  
MULTISTATE  
FRINGE COVERAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	17,186,762	25,474,333	29,649,662	27,609,682	30,502,174	29,113,209	28,943,586	28,847,943	28,811,187	28,698,620	28,608,303
12/31/1999	17,100,163	24,184,413	22,058,030	29,263,323	26,424,020	25,555,463	26,107,336	26,210,464	25,974,545	26,280,695	25,883,431
12/31/2000	18,103,517	20,864,304	34,702,138	34,361,012	35,087,223	36,221,029	36,793,804	36,805,753	36,994,630	36,793,338	36,557,672
12/31/2001	14,155,170	27,432,534	28,673,654	31,153,815	32,695,262	32,257,574	32,058,192	32,133,751	32,066,996	31,745,089	31,622,295
12/31/2002	14,762,021	16,639,632	17,681,354	19,336,316	17,654,823	18,164,197	17,390,394	17,240,473	17,553,095	17,366,545	17,390,108
12/31/2003	9,364,285	12,909,456	14,696,494	13,405,312	13,789,828	13,489,317	13,120,312	13,127,012	13,105,936	13,065,888	13,175,519
12/31/2004	16,128,414	18,252,789	19,330,696	18,960,480	18,322,937	18,390,881	18,762,219	18,622,041	18,600,001	18,985,815	18,758,744
12/31/2005	17,747,575	22,083,188	23,313,329	22,932,218	22,264,926	21,745,940	21,941,998	22,168,708	21,906,139	22,090,749	21,892,537
12/31/2006	20,504,732	24,088,904	25,252,407	24,103,811	23,720,673	23,469,794	23,337,292	23,415,713	23,297,475	23,277,306	23,552,306
12/31/2007	18,993,078	22,137,541	21,753,461	22,280,943	21,522,344	21,178,078	21,351,085	21,428,162	21,370,397	21,343,750	21,244,098
12/31/2008	15,252,155	16,660,684	16,885,033	16,211,012	16,432,726	16,527,321	16,938,285	16,789,560	16,818,951	16,837,595	
12/31/2009	13,217,105	15,084,024	16,443,141	17,513,973	18,068,951	18,024,395	18,017,423	17,812,039	17,905,130		
12/31/2010	10,905,272	12,747,202	13,385,882	14,355,596	14,026,499	14,001,554	13,954,757	13,634,012			
12/31/2011	11,370,553	12,319,449	13,495,210	13,808,427	14,427,993	14,266,304	14,132,319				
12/31/2012	8,573,967	11,254,302	11,712,039	11,763,653	11,680,089	11,254,318					
12/31/2013	9,020,117	11,042,488	12,596,582	13,345,564	13,423,214						
12/31/2014	9,765,663	12,158,146	14,732,078	15,773,451							
12/31/2015	10,489,889	14,187,536	17,576,487								
12/31/2016	11,206,848	14,601,499									
12/31/2017	11,104,696										
<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>		
12/31/1998	28,594,143	28,688,250	28,708,704	28,727,029	28,853,911	28,979,895	29,114,801	29,045,676	29,143,481		
12/31/1999	26,005,057	25,808,270	25,810,562	26,042,962	26,043,962	26,043,961	26,092,958	26,220,458			
12/31/2000	36,645,016	36,542,166	36,642,166	36,693,166	36,782,166	36,782,167	36,882,166				
12/31/2001	31,504,929	31,804,429	31,796,904	31,849,342	31,859,138	31,986,638					
12/31/2002	17,582,551	17,668,514	17,677,415	17,656,712	17,756,710						
12/31/2003	13,166,403	13,168,400	13,158,400	13,258,400							
12/31/2004	18,838,848	18,819,547	18,853,021								
12/31/2005	21,832,689	21,932,689									
12/31/2006	23,524,385										

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

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.482	1.164	0.931	1.105	0.954	0.994	0.997	0.999	0.996	0.997	1.000
12/31/1999	1.414	0.912	1.327	0.903	0.967	1.022	1.004	0.991	1.012	0.985	1.005
12/31/2000	1.153	1.663	0.990	1.021	1.032	1.016	1.000	1.005	0.995	0.994	1.002
12/31/2001	1.938	1.045	1.086	1.049	0.987	0.994	1.002	0.998	0.990	0.996	0.996
12/31/2002	1.127	1.063	1.094	0.913	1.029	0.957	0.991	1.018	0.989	1.001	1.011
12/31/2003	1.379	1.138	0.912	1.029	0.978	0.973	1.001	0.998	0.997	1.008	0.999
12/31/2004	1.132	1.059	0.981	0.966	1.004	1.020	0.993	0.999	1.021	0.988	1.004
12/31/2005	1.244	1.056	0.984	0.971	0.977	1.009	1.010	0.988	1.008	0.991	0.997
12/31/2006	1.175	1.048	0.955	0.984	0.989	0.994	1.003	0.995	0.999	1.012	0.999
12/31/2007	1.166	0.983	1.024	0.966	0.984	1.008	1.004	0.997	0.999	0.995	
12/31/2008	1.092	1.013	0.960	1.014	1.006	1.025	0.991	1.002	1.001		
12/31/2009	1.141	1.090	1.065	1.032	0.998	1.000	0.989	1.005			
12/31/2010	1.169	1.050	1.072	0.977	0.998	0.997	0.977				
12/31/2011	1.083	1.095	1.023	1.045	0.989	0.991					
12/31/2012	1.313	1.041	1.004	0.993	0.964						
12/31/2013	1.224	1.141	1.059	1.006							
12/31/2014	1.245	1.212	1.071								
12/31/2015	1.352	1.239									
12/31/2016	1.303										

3 Yr Mean	1.300	1.197	1.045	1.015	0.984	0.996	0.986	1.001	1.000	0.999	1.000
Best 3/5	1.287	1.149	1.051	1.010	0.995	1.002	0.994	0.998	1.003	0.998	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.003	1.001	1.001	1.004	1.004	1.005	0.998	1.003			
12/31/1999	0.992	1.000	1.009	1.000	1.000	1.002	1.005	1.002 *			
12/31/2000	0.997	1.003	1.001	1.002	1.000	1.003	1.002 *	1.002 *			
12/31/2001	1.010	1.000	1.002	1.000	1.004	1.002 *	1.002 *	1.002 *			
12/31/2002	1.005	1.001	0.999	1.006	1.001 *	1.002 *	1.002 *	1.002 *			
12/31/2003	1.000	0.999	1.008								
12/31/2004	0.999	1.002									
12/31/2005	1.005										

3 Yr Mean	1.001	1.001	1.003	1.003	1.001 @	1.003 @	1.002 @	1.003 @			
Best 3/5	1.003	1.001	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
12/31/2013					0.995	1.002	0.994	0.998	1.003	0.998	1.001
12/31/2014				1.010	0.995	1.002	0.994	0.998	1.003	0.998	1.001
12/31/2015			1.051	1.010	0.995	1.002	0.994	0.998	1.003	0.998	1.001
12/31/2016		1.149	1.051	1.010	0.995	1.002	0.994	0.998	1.003	0.998	1.001
12/31/2017	1.287	1.149	1.051	1.010	0.995	1.002	0.994	0.998	1.003	0.998	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/211	FACTORS
12/31/2013	1.003	1.001	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.017
12/31/2014	1.003	1.001	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.027
12/31/2015	1.003	1.001	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.080
12/31/2016	1.003	1.001	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.240
12/31/2017	1.003	1.001	1.004	1.002	1.002	1.002	1.002	1.002	1.008*	1.596

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	7,856,743	18,350,952	27,341,150	27,566,565	33,291,945	33,729,324	36,495,206	36,484,105	36,348,275	36,444,249	36,145,908
12/31/1999	6,508,085	14,041,055	17,944,934	26,166,153	25,194,355	25,275,554	26,412,069	28,005,233	28,569,474	29,013,514	29,034,346
12/31/2000	6,843,102	10,871,848	20,204,954	26,057,360	29,509,754	32,453,988	34,412,488	36,179,813	37,856,363	40,207,051	41,369,592
12/31/2001	4,163,796	14,605,167	21,309,406	25,523,046	31,313,769	33,109,782	34,480,751	35,919,034	36,198,488	36,179,368	36,307,981
12/31/2002	5,361,398	8,349,838	10,280,537	12,784,194	13,006,800	15,017,225	16,807,719	16,983,622	17,467,186	18,477,144	18,517,960
12/31/2003	4,190,538	9,022,885	14,280,003	17,354,963	21,308,622	21,794,942	28,965,096	30,809,007	31,870,835	32,191,530	32,281,945
12/31/2004	3,133,899	7,712,470	14,011,808	17,934,347	19,918,068	21,271,418	21,839,311	22,161,115	22,298,448	22,813,332	22,786,539
12/31/2005	2,507,089	7,616,872	12,692,976	16,574,793	18,154,850	18,888,341	21,295,362	21,569,936	25,176,841	28,352,654	28,815,614
12/31/2006	2,546,190	7,532,115	12,572,457	20,385,008	23,079,667	23,951,768	25,740,105	24,854,815	25,516,190	25,638,646	25,832,280
12/31/2007	3,229,100	8,300,952	14,604,601	18,507,857	20,229,437	20,064,952	20,650,322	21,136,694	21,050,885	21,029,880	21,105,944
12/31/2008	2,947,087	7,838,752	11,676,322	14,937,770	16,947,651	17,856,620	18,542,365	19,107,358	19,526,141	19,728,891	
12/31/2009	3,832,402	8,489,608	18,089,258	25,050,165	29,746,773	33,261,539	34,978,387	36,731,444	37,018,753		
12/31/2010	3,411,931	12,213,604	16,134,650	19,070,664	23,867,223	26,413,646	27,479,076	27,654,159			
12/31/2011	6,557,052	17,411,999	23,313,268	34,773,180	37,161,935	41,290,515	42,016,014				
12/31/2012	3,301,422	8,713,077	16,211,427	20,823,461	28,095,402	28,298,216					
12/31/2013	4,135,692	11,373,117	16,740,135	21,008,879	25,169,870						
12/31/2014	5,157,012	9,221,248	14,363,964	18,809,371							
12/31/2015	4,020,971	11,264,402	17,692,425								
12/31/2016	5,561,403	10,551,402									
12/31/2017	6,068,324										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	36,219,954	36,323,917	36,356,948	37,714,235	37,708,980	37,756,035	37,834,548	37,852,284	37,942,678
12/31/1999	28,598,757	28,583,691	28,601,424	28,608,998	28,608,998	28,710,476	28,901,350	29,030,258	
12/31/2000	41,104,366	41,097,861	41,100,157	41,185,194	41,179,883	41,179,884	41,179,884		
12/31/2001	36,339,364	36,357,049	36,448,346	36,459,324	36,461,336	36,464,126			
12/31/2002	18,557,225	19,356,797	21,477,613	21,453,266	21,558,336				
12/31/2003	32,294,242	32,276,387	32,276,387	32,276,388					
12/31/2004	23,213,049	23,012,355	23,075,186						
12/31/2005	28,863,646	30,470,480							
12/31/2006	25,983,245								



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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123: 111	135: 123	147: 135	159:147	171:159
12/31/1998	10,494,209	8,990,198	225,415	5,725,380	437,379	2,765,882	-11,101	-135,830	95,974	-298,341	74,046	103,963	33,031
12/31/1999	7,532,970	3,903,879	8,221,219	-971,798	81,199	1,136,515	1,593,164	564,241	444,040	20,832	-435,589	-15,066	17,733
12/31/2000	4,028,746	9,333,106	5,852,406	3,452,394	2,944,234	1,958,500	1,767,325	1,676,550	2,350,688	1,162,541	-265,226	-6,505	2,296
12/31/2001	10,441,371	6,704,239	4,213,640	5,790,723	1,796,013	1,370,969	1,438,283	279,454	-19,120	128,613	31,383	17,685	91,297
12/31/2002	2,988,440	1,930,699	2,503,657	222,606	2,010,425	1,790,494	175,903	483,564	1,009,958	40,816	39,265	799,572	2,120,816
12/31/2003	4,832,347	5,257,118	3,074,960	3,953,659	486,320	7,170,154	1,843,911	1,061,828	320,695	90,415	12,297	-17,855	0
12/31/2004	4,578,571	6,299,338	3,922,539	1,983,721	1,353,350	567,893	321,804	137,333	514,884	-26,793	426,510	-200,694	62,831
12/31/2005	5,109,783	5,076,104	3,881,817	1,580,057	733,491	2,407,021	274,574	3,606,905	3,175,813	462,960	48,032	1,606,834	
12/31/2006	4,985,925	5,040,342	7,812,551	2,694,659	872,101	1,788,337	-885,290	661,375	122,456	193,634	150,965		
12/31/2007	5,071,852	6,303,649	3,903,256	1,721,580	-164,485	585,370	486,372	-85,809	-21,005	76,064			
12/31/2008	4,891,665	3,837,570	3,261,448	2,009,881	908,969	685,745	564,993	418,783	202,750				
12/31/2009	4,657,206	9,599,650	6,960,907	4,696,608	3,514,766	1,716,848	1,753,057	287,309					
12/31/2010	8,801,673	3,921,046	2,936,014	4,796,559	2,546,423	1,065,430	175,083						
12/31/2011	10,854,947	5,901,269	11,459,912	2,388,755	4,128,580	725,499							
12/31/2012	5,411,655	7,498,350	4,612,034	7,271,941	202,814								
12/31/2013	7,237,425	5,367,018	4,268,744	4,160,991									
12/31/2014	4,064,236	5,142,716	4,445,407										
12/31/2015	7,243,431	6,428,023											
12/31/2016	4,989,999												

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
12/31/1998	0.2124	0.1819	0.0046	0.1159	0.0089	0.0560	-0.0002	-0.0027	0.0019	-0.0060	0.0015	0.0021	0.0007
12/31/1999	0.1856	0.0962	0.2026	-0.0239	0.0020	0.0280	0.0393	0.0139	0.0109	0.0005	-0.0107	-0.0004	0.0004
12/31/2000	0.0693	0.1605	0.1006	0.0594	0.0506	0.0337	0.0304	0.0288	0.0404	0.0200	-0.0046	-0.0001	0.0000
12/31/2001	0.2029	0.1303	0.0819	0.1125	0.0349	0.0266	0.0279	0.0054	-0.0004	0.0025	0.0006	0.0003	0.0018
12/31/2002	0.1094	0.0706	0.0916	0.0081	0.0736	0.0655	0.0064	0.0177	0.0370	0.0015	0.0014	0.0293	0.0776
12/31/2003	0.2137	0.2325	0.1360	0.1748	0.0215	0.3171	0.0815	0.0470	0.0142	0.0040	0.0005	-0.0008	0.0000
12/31/2004	0.1515	0.2084	0.1298	0.0656	0.0448	0.0188	0.0106	0.0045	0.0170	-0.0009	0.0141	-0.0066	0.0021
12/31/2005	0.1463	0.1453	0.1112	0.0452	0.0210	0.0689	0.0079	0.1033	0.0909	0.0133	0.0014	0.0460	
12/31/2006	0.1370	0.1385	0.2146	0.0740	0.0240	0.0491	-0.0243	0.0182	0.0034	0.0053	0.0041		
12/31/2007	0.1608	0.1998	0.1237	0.0546	-0.0052	0.0186	0.0154	-0.0027	-0.0007	0.0024			
12/31/2008	0.1850	0.1451	0.1233	0.0760	0.0344	0.0259	0.0214	0.0158	0.0077				
12/31/2009	0.1407	0.2900	0.2103	0.1419	0.1062	0.0519	0.0530	0.0087					
12/31/2010	0.3620	0.1613	0.1207	0.1973	0.1047	0.0438	0.0072						
12/31/2011	0.4208	0.2288	0.4443	0.0926	0.1601	0.0281							
12/31/2012	0.3010	0.4171	0.2566	0.4045	0.0113								
12/31/2013	0.3197	0.2371	0.1885	0.1838									
12/31/2014	0.1435	0.1815	0.1569										
12/31/2015	0.2305	0.2045											
12/31/2016	0.1554												

Best 3/5	0.2290	0.2235	0.2007	0.1743	0.0818	0.0326	0.0147	0.0142	0.0094	0.0039	0.0023	0.0096	0.0013
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Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2012 - 2016

<u>Item *</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2012 - 2016 Mean</u>
1. Direct Losses Incurred	\$18,480,140	\$18,521,277	\$19,140,390	\$24,110,646	\$25,085,478	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,270,137	\$5,080,420	\$4,727,492	\$5,601,664	\$4,581,304	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$1,892,698	\$2,061,866	\$2,159,178	\$2,371,173	\$2,496,550	
4. Incurred Losses + ALAE [(1) + (2)]	\$23,750,277	\$23,601,697	\$23,867,882	\$29,712,310	\$29,666,781	
	<u>Incurred Percentage</u>					
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.0%	8.7%	9.0%	8.0%	8.4%	8.4%
6. Selected	8.5%					

Notes: All dollar amounts are displayed in thousands.

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

PREMISES / OPERATIONS  
TREND SUMMARY  
AVERAGE ANNUAL PERCENT CHANGES

(1) <u>EXPOSURE TREND</u>	<u>MANUFACTURERS</u>	<u>CONTRACTORS</u>	<u>OL&amp;T</u> <u>CLASS GROUPS 1-13 *</u>	<u>OL&amp;T</u> <u>CLASS GROUP 16</u>	<u>PREMISES/</u> <u>OPERATIONS</u>
a) 7/1/2015 to 7/1/2020 AYE 12/31/2015	+ 1.5%	+ 2.9%	+ 1.2%	+ 1.9%	+ 1.2%
b) 7/1/2016 to 7/1/2020 AYE 12/31/2016	+ 1.9%	+ 2.9%	+ 1.2%	+ 2.4%	+ 1.3%
c) 7/1/2017 to 7/1/2020 AYE 12/31/2017	+ 2.2%	+ 2.9%	+ 1.2%	+ 2.2%	+ 1.3%

	<u>MANUFACTURERS &amp; CONTRACTORS</u>			<u>OWNERS, LANDLORDS &amp; TENANTS</u>		
(2) <u>OCCURRENCE SEVERITY</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>	<u>Bodily</u> <u>Injury</u>	<u>Property</u> <u>Damage</u>	<u>Fringe</u>
a) Fitted						
All Years (20 Points)	+ 4.5%	+ 4.2%	- 1.1%	+ 3.7%	+ 3.9%	- 1.8%
Eight Year (16 Points)	+ 5.2%	+ 5.3%	+ 1.1%	+ 3.3%	+ 4.6%	- 6.3%
Six Year (12 Points)	+ 5.8%	+ 4.3%	- 2.4%	+ 2.8%	+ 4.3%	- 9.2%
b) Selected	+ 4.5%	+ 4.0%	+ 0.5%	+ 3.5%	+ 4.5%	+ 2.0%

(3) <u>FREQUENCY TREND</u>	<u>M&amp;C</u>	<u>OL&amp;T</u>
Selected	- 0.5%	- 1.0%

(4) TOTAL ANNUAL NET TREND

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

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

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

MANUFACTURERS AND CONTRACTORS  
AVERAGE ANNUAL EXPOSURE TRENDS  
FOR ACCIDENT YEARS ENDING 12/31/2015, 12/31/2016 & 12/31/2017

(1)		(2)	(3)	(1)		(2)	(3)
YEAR ENDING		MANUFACTURERS	CONTRACTORS	YEAR ENDING		MANUFACTURERS	CONTRACTORS
<u>QUARTER*</u>		CLASS GROUP	CLASS GROUP			CLASS GROUP	CLASS GROUP
		SALES EXPOSURE	PAYROLL EXPOSURE			SALES EXPOSURE	PAYROLL EXPOSURE
		<u>INDICES</u>	<u>INDICES</u>			<u>INDICES</u>	<u>INDICES</u>
2007	1	0.955	20.243	2014	1	1.012	24.295
	2	0.959	20.497		2	1.016	24.404
	3	0.961	20.718		3	1.020	24.527
	4	0.963	20.928		4	1.022	24.655
2008	1	0.962	21.143	2015	1	1.025	24.767
	2	0.958	21.357		2	1.027	24.913
	3	0.956	21.604		3	1.029	25.019
	4	0.957	21.880		4	1.031	25.174
2009	1	0.961	22.128	2016	1	1.031	25.317
	2	0.966	22.349		2	1.032	25.484
	3	0.969	22.502		3	1.031	25.742
	4	0.968	22.653		4	1.032	25.950
2010	1	0.964	22.806	2017	1	1.035	26.162
	2	0.962	22.928		2	1.036	26.325
	3	0.962	23.080		3	1.039	26.521
	4	0.965	23.208		4	1.042	26.707
2011	1	0.968	23.312	2018	1	1.044	26.937
	2	0.973	23.427		2	1.049	27.181
	3	0.978	23.556		3P	1.054	27.392
	4	0.982	23.638		4P	1.060	27.626
2012	1	0.986	23.715	2019	1P	1.067	27.827
	2	0.990	23.794		2P	1.075	28.025
	3	0.995	23.873		3P	1.084	28.220
	4	1.000	23.965		4P	1.093	28.419
2013	1	1.004	24.062	2020	1P	1.100	28.619
	2	1.006	24.140		2P	1.105	28.801
	3	1.008	24.167		3P	1.109	28.956
	4	1.010	24.208		4P	1.112	29.080

CHANGE IN EXPOSURES		MANUFACTURERS	CONTRACTORS
7/1/2015 to 7/1/2020		(2020:4/2015:4)	1.079
7/1/2016 to 7/1/2020		(2020:4/2016:4)	1.078
7/1/2017 to 7/1/2020		(2020:4/2017:4)	1.068

AVERAGE ANNUAL TREND FACTOR			
7/1/2015 to 7/1/2020		( 5.0 YRS )	1.015
7/1/2016 to 7/1/2020		( 4.0 YRS )	1.019
7/1/2017 to 7/1/2020		( 3.0 YRS )	1.022

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

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

<u>TYPE OF CLASS</u>	<u>VOLUME</u> <sup>2</sup>	<u>INFLATION TREND</u> <sup>3</sup>
FURNITURE@	9.2%	-1.2%
OTHER DURABLES	6.1%	-0.3%
CLOTHING	9.7%	0.1%
FOOD@	44.0%	1.6%
OTHER NON-DURABLES	26.6%	1.9%
RECREATION SERVICES#	4.4%	2.4%
TOTAL	100.0%	1.2% <sup>4</sup>

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

<sup>2</sup> Volume weights are based on each type of class's inflation-adjusted contribution to GDP in year ending 12/31/2017. Inflation adjusted GDP is measured in terms of 2012 prices.

<sup>3</sup> Inflation trends are based on average annual growth rates in consumption components starting 2015 to 2020.

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

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

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

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

YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS	RECREATION SERVICES	YEAR ENDING QUARTER		FURNITURE	OTHER DURABLE GOODS	CLOTHING AND SHOES	FOOD AND BEVERAGES	OTHER NONDURABLE GOODS	RECREATION SERVICES
2007	1	1.080	0.948	0.965	0.849	0.882	0.890	2014	1	0.972	0.970	1.010	1.018	1.003	1.022
	2	1.079	0.952	0.962	0.857	0.884	0.897		2	0.962	0.961	1.013	1.024	1.006	1.028
	3	1.076	0.955	0.958	0.866	0.887	0.902		3	0.954	0.953	1.014	1.030	1.009	1.032
	4	1.072	0.959	0.955	0.876	0.891	0.908		4	0.947	0.944	1.013	1.038	1.013	1.036
2008	1	1.069	0.962	0.951	0.886	0.896	0.915	2015	1	0.940	0.936	1.011	1.045	1.017	1.039
	2	1.065	0.970	0.949	0.896	0.901	0.922		2	0.935	0.927	1.007	1.050	1.021	1.042
	3	1.064	0.977	0.949	0.908	0.907	0.931		3	0.930	0.917	1.004	1.054	1.023	1.047
	4	1.065	0.983	0.947	0.921	0.912	0.936		4	0.924	0.908	1.000	1.058	1.025	1.052
2009	1	1.066	0.986	0.947	0.931	0.919	0.940	2016	1	0.920	0.903	0.999	1.061	1.027	1.058
	2	1.069	0.986	0.950	0.936	0.930	0.942		2	0.913	0.903	0.999	1.063	1.030	1.064
	3	1.066	0.985	0.952	0.937	0.942	0.944		3	0.907	0.903	0.998	1.064	1.034	1.071
	4	1.061	0.986	0.956	0.936	0.953	0.947		4	0.900	0.904	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	0.903	0.999	1.066	1.042	1.086
	2	1.039	0.983	0.956	0.937	0.966	0.953		2	0.888	0.900	0.997	1.068	1.046	1.092
	3	1.027	0.982	0.953	0.940	0.968	0.955		3	0.882	0.897	0.995	1.071	1.048	1.100
	4	1.015	0.982	0.949	0.943	0.970	0.957		4	0.875	0.895	0.992	1.074	1.050	1.108
2011	1	1.006	0.987	0.947	0.948	0.973	0.960	2018	1	0.869	0.893	0.991	1.078	1.052	1.114
	2	1.001	0.994	0.949	0.955	0.977	0.964		2	0.866	0.890	0.994	1.082	1.054	1.120
	3	1.000	1.002	0.955	0.965	0.981	0.968		3P	0.865	0.890	0.995	1.086	1.056	1.125
	4	1.000	1.008	0.965	0.975	0.985	0.973		4P	0.866	0.890	0.998	1.091	1.060	1.131
2012	1	1.001	1.011	0.976	0.984	0.990	0.980	2019	1P	0.867	0.889	0.997	1.097	1.066	1.138
	2	1.001	1.009	0.988	0.991	0.993	0.986		2P	0.868	0.891	0.997	1.104	1.073	1.146
	3	1.000	1.005	0.994	0.996	0.997	0.993		3P	0.870	0.893	0.999	1.111	1.083	1.153
	4	1.000	1.000	1.000	1.000	1.000	1.000		4P	0.871	0.894	1.001	1.118	1.092	1.160
2013	1	0.998	0.994	1.005	1.004	1.001	1.005	2020	1P	0.872	0.895	1.003	1.125	1.101	1.166
	2	0.994	0.989	1.006	1.008	1.001	1.009		2P	0.872	0.895	1.005	1.132	1.109	1.172
	3	0.988	0.985	1.009	1.012	1.001	1.013		3P	0.871	0.895	1.006	1.138	1.117	1.177
	4	0.981	0.979	1.010	1.015	1.002	1.017		4P	0.869	0.894	1.008	1.144	1.125	1.182

Change In Exposures\*

Average Annual Trend Factor

7/1/2015 to 7/1/2020 (2020:4/2015:4)	0.940	0.985	1.007	1.081	1.097	1.124	7/1/2015 to 7/1/2020 (5.0 Years)	-1.2%	-0.3%	0.1%	1.6%	1.9%	2.4%
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\*Assumes a loss cost revision date of July 1, 2019, and a prospective average date of coverage one year later (July 1, 2020).

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PREMISES/OPERATIONS  
GOVERNMENTAL SUBDIVISIONS  
OWNERS, LANDLORDS AND TENANTS  
AVERAGE ANNUAL EXPOSURE TRENDS  
FOR ACCIDENT YEARS ENDING 12/31/2015, 12 /31/2016 & 12/31/2017

(1) YEAR ENDING QUARTER		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @		(1) YEAR ENDING QUARTER		(2) YEARLY VALUES BASED ON MOODY'S ANALYTICS EXPOSURE MODEL, HISTORY AND FORECASTS @	
2007	1		0.848	2014	1		1.040
	2		0.858		2		1.046
	3		0.869		3		1.052
	4		0.881		4		1.057
2008	1		0.893	2015	1		1.057
	2		0.905		2		1.058
	3		0.918		3		1.058
	4		0.926		4		1.057
2009	1		0.926	2016	1		1.057
	2		0.924		2		1.056
	3		0.920		3		1.057
	4		0.920		4		1.060
2010	1		0.926	2017	1		1.067
	2		0.933		2		1.074
	3		0.940		3		1.082
	4		0.947		4		1.092
2011	1		0.954	2018	1		1.100
	2		0.962		2		1.111
	3		0.971		3P		1.120
	4		0.977		4P		1.128
2012	1		0.984	2019	1P		1.135
	2		0.988		2P		1.140
	3		0.992		3P		1.144
	4		1.000		4P		1.149
2013	1		1.007	2020	1P		1.153
	2		1.016		2P		1.157
	3		1.025		3P		1.160
	4		1.033		4P		1.164
CHANGE IN EXPOSURES				AVERAGE ANNUAL TREND FACTOR			
7/1/2015 to 7/1/2020		(2020:4/2015:4)	1.100	7/1/2015 to 7/1/2020		( 5.0 YRS )	1.019
7/1/2016 to 7/1/2020		(2020:4/2016:4)	1.098	7/1/2016 to 7/1/2020		( 4.0 YRS )	1.024
7/1/2017 to 7/1/2020		(2020:4/2017:4)	1.066	7/1/2017 to 7/1/2020		( 3.0 YRS )	1.022

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

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

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
6/30/2008	\$ 248,997,341	4,795	\$ 51,929	\$ 49,378		
12/31/2008	247,389,600	4,682	52,838	50,477		
6/30/2009	245,886,822	4,747	51,798	51,599		
12/31/2009	256,772,264	4,810	53,383	52,747		
6/30/2010	263,169,902	4,907	53,632	53,920	\$ 52,148	
12/31/2010	259,060,860	4,935	52,495	55,120	53,497	
6/30/2011	282,275,761	5,107	55,272	56,346	54,880	
12/31/2011	289,027,755	4,941	58,496	57,599	56,298	
6/30/2012	257,577,166	4,370	58,942	58,881	57,754	\$ 56,596
12/31/2012	245,140,768	4,218	58,118	60,190	59,247	58,225
6/30/2013	251,609,267	4,302	58,487	61,529	60,778	59,901
12/31/2013	263,041,563	4,411	59,633	62,898	62,349	61,625
6/30/2014	302,811,442	4,773	63,443	64,297	63,961	63,399
12/31/2014	299,388,507	4,341	68,968	65,727	65,615	65,224
6/30/2015	268,139,616	3,949	67,901	67,189	67,311	67,101
12/31/2015	248,738,488	3,802	65,423	68,684	69,051	69,033
6/30/2016	230,757,368	3,358	68,719	70,212	70,836	71,020
12/31/2016	230,356,990	3,235	71,208	71,773	72,667	73,064
6/30/2017	252,495,036	3,307	76,352	73,370	74,546	75,167
12/31/2017	269,159,767	3,323	80,999	75,002	76,473	77,331
Goodness of Fit Statistic, R-Squared:				0.921	0.926	0.894
Average Annual Severity Trend (10 yr)				+ 4.5%		
Average Annual Severity Trend ( 8 yr)				+ 5.2%		
Average Annual Severity Trend ( 6 yr)				+ 5.8%		
Selected Annual Severity Trend				+ 4.5%		

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

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

(See Section B- Explanation of Trend Calculation).



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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity <u>Severity</u>	(5) Exponential Curve of Best Fit to Col (4) <u>10 Year      8 Year      6 Year</u>		
6/30/2008	\$ 206,008,127	18,727	\$ 11,001	\$ 10,115		
12/31/2008	207,304,828	18,897	10,970	10,325		
6/30/2009	197,721,114	18,459	10,711	10,538		
12/31/2009	192,443,140	17,859	10,776	10,756		
6/30/2010	192,579,902	18,337	10,502	10,978	\$ 10,450	
12/31/2010	195,644,093	18,772	10,422	11,205	10,722	
6/30/2011	198,617,791	18,809	10,560	11,437	11,001	
12/31/2011	206,209,729	18,676	11,041	11,673	11,287	
6/30/2012	198,356,049	18,120	10,947	11,915	11,581	\$ 11,958
12/31/2012	213,484,059	17,174	12,431	12,161	11,882	12,213
6/30/2013	217,656,393	16,728	13,012	12,412	12,191	12,475
12/31/2013	207,965,352	16,003	12,995	12,669	12,508	12,741
6/30/2014	213,061,178	15,760	13,519	12,931	12,834	13,014
12/31/2014	217,392,426	15,730	13,820	13,198	13,167	13,292
6/30/2015	208,845,571	15,427	13,538	13,471	13,510	13,577
12/31/2015	210,139,391	15,449	13,602	13,750	13,861	13,867
6/30/2016	213,747,402	15,589	13,711	14,034	14,222	14,164
12/31/2016	224,481,748	15,700	14,298	14,324	14,592	14,467
6/30/2017	225,959,185	15,757	14,340	14,620	14,971	14,776
12/31/2017	238,361,178	15,354	15,524	14,923	15,361	15,093
Goodness of Fit Statistic, R-Squared:				0.861	0.907	0.795
Average Annual Severity Trend (10 yr)				+ 4.2%		
Average Annual Severity Trend ( 8 yr)				+ 5.3%		
Average Annual Severity Trend ( 6 yr)				+ 4.3%		
Selected Annual Severity Trend				+ 4.0%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
6/30/2008	\$ 22,565,324	484	\$ 46,623	\$ 42,633		
12/31/2008	22,718,042	472	48,131	42,400		
6/30/2009	22,385,371	490	45,684	42,169		
12/31/2009	24,867,046	557	44,645	41,939		
6/30/2010	23,310,511	637	36,594	41,710	\$ 37,628	
12/31/2010	19,162,684	614	31,210	41,482	37,827	
6/30/2011	19,524,294	536	36,426	41,256	38,026	
12/31/2011	19,779,355	539	36,696	41,030	38,227	
6/30/2012	19,066,545	518	36,808	40,806	38,429	\$ 43,372
12/31/2012	20,175,991	502	40,191	40,584	38,632	42,849
6/30/2013	21,192,656	468	45,283	40,362	38,836	42,333
12/31/2013	23,826,058	495	48,133	40,142	39,041	41,822
6/30/2014	23,902,746	540	44,264	39,923	39,247	41,318
12/31/2014	24,585,511	541	45,445	39,705	39,455	40,820
6/30/2015	24,966,856	571	43,725	39,488	39,663	40,328
12/31/2015	21,260,921	611	34,797	39,272	39,873	39,842
6/30/2016	25,139,617	650	38,676	39,058	40,083	39,362
12/31/2016	25,062,110	650	38,557	38,845	40,295	38,888
6/30/2017	19,488,145	622	31,331	38,633	40,508	38,419
12/31/2017	27,195,652	630	43,168	38,422	40,722	37,956
Goodness of Fit Statistic, R-Squared:				0.057	0.037	0.119
Average Annual Severity Trend (10 yr)				- 1.1%		
Average Annual Severity Trend ( 8 yr)				+ 1.1%		
Average Annual Severity Trend ( 6 yr)				- 2.4%		
Selected Annual Severity Trend				+ 0.5%		

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

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

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
6/30/2008	\$ 614,868,829	20,826	\$ 29,524	\$ 30,569		
12/31/2008	606,636,468	20,127	30,140	31,136		
6/30/2009	636,036,024	20,057	31,711	31,714		
12/31/2009	662,534,662	20,391	32,492	32,302		
6/30/2010	682,746,932	20,962	32,571	32,901	\$ 33,536	
12/31/2010	714,338,031	21,189	33,713	33,511	34,088	
6/30/2011	744,684,196	21,565	34,532	34,133	34,650	
12/31/2011	732,013,188	20,590	35,552	34,766	35,221	
6/30/2012	666,573,067	18,395	36,237	35,411	35,801	\$ 36,372
12/31/2012	637,778,772	17,509	36,426	36,068	36,391	36,884
6/30/2013	672,979,126	18,457	36,462	36,737	36,991	37,404
12/31/2013	724,107,795	19,484	37,164	37,418	37,601	37,931
6/30/2014	798,579,342	20,795	38,402	38,112	38,220	38,465
12/31/2014	796,692,173	19,903	40,029	38,819	38,850	39,007
6/30/2015	763,006,903	18,854	40,469	39,539	39,490	39,557
12/31/2015	800,179,108	18,826	42,504	40,273	40,141	40,114
6/30/2016	751,485,446	17,855	42,088	41,020	40,802	40,679
12/31/2016	733,022,082	17,902	40,946	41,781	41,475	41,252
6/30/2017	774,571,033	18,848	41,096	42,556	42,158	41,834
12/31/2017	787,688,383	19,550	40,291	43,345	42,853	42,423
Goodness of Fit Statistic, R-Squared:				0.934	0.884	0.737
Average Annual Severity Trend (10 yr)				+ 3.7%		
Average Annual Severity Trend ( 8 yr)				+ 3.3%		
Average Annual Severity Trend ( 6 yr)				+ 2.8%		
Selected Annual Severity Trend				+ 3.5%		

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

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

(See Section B- Explanation of Trend Calculation).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
6/30/2008	\$ 80,650,073	9,067	\$ 8,895	\$ 8,258		
12/31/2008	82,453,778	9,192	8,970	8,418		
6/30/2009	76,143,241	9,217	8,261	8,581		
12/31/2009	81,187,210	9,283	8,746	8,747		
6/30/2010	86,384,329	9,591	9,007	8,916	\$ 8,636	
12/31/2010	82,870,187	9,873	8,394	9,088	8,834	
6/30/2011	87,846,045	10,042	8,748	9,264	9,035	
12/31/2011	91,873,168	9,835	9,341	9,443	9,241	
6/30/2012	86,709,576	9,075	9,555	9,626	9,452	\$ 9,553
12/31/2012	87,225,767	8,671	10,059	9,812	9,668	9,756
6/30/2013	89,072,404	8,756	10,173	10,002	9,889	9,965
12/31/2013	86,120,571	8,733	9,862	10,195	10,115	10,177
6/30/2014	89,549,847	9,020	9,928	10,392	10,346	10,395
12/31/2014	91,600,975	9,011	10,165	10,593	10,582	10,616
6/30/2015	99,523,453	8,586	11,591	10,798	10,823	10,843
12/31/2015	98,733,014	8,595	11,487	11,007	11,070	11,074
6/30/2016	94,629,973	8,612	10,988	11,220	11,323	11,311
12/31/2016	97,283,103	8,624	11,281	11,437	11,581	11,552
6/30/2017	105,349,729	8,983	11,728	11,658	11,846	11,799
12/31/2017	107,211,069	8,679	12,353	11,884	12,116	12,051
Goodness of Fit Statistic, R-Squared:				0.872	0.896	0.818
Average Annual Severity Trend (10 yr)				+ 3.9%		
Average Annual Severity Trend ( 8 yr)				+ 4.6%		
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).

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Occurrences at <u>Ultimate</u>	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
6/30/2008	\$ 28,623,701	580	\$ 49,351	\$ 72,205		
12/31/2008	26,358,922	521	50,593	71,551		
6/30/2009	34,761,247	542	64,135	70,903		
12/31/2009	44,328,212	564	78,596	70,260		
6/30/2010	43,996,171	594	74,068	69,624	\$ 86,889	
12/31/2010	35,506,368	565	62,843	68,993	84,096	
6/30/2011	43,098,686	520	82,882	68,368	81,392	
12/31/2011	48,265,652	477	101,186	67,748	78,775	
6/30/2012	37,575,544	395	95,128	67,134	76,243	\$ 84,342
12/31/2012	32,360,774	381	84,936	66,526	73,791	80,367
6/30/2013	29,721,665	415	71,618	65,923	71,419	76,580
12/31/2013	34,146,185	450	75,880	65,326	69,123	72,971
6/30/2014	38,890,493	506	76,859	64,734	66,900	69,533
12/31/2014	30,951,137	549	56,377	64,147	64,750	66,256
6/30/2015	34,745,351	628	55,327	63,566	62,668	63,134
12/31/2015	39,779,320	729	54,567	62,990	60,653	60,159
6/30/2016	38,872,511	740	52,530	62,419	58,703	57,324
12/31/2016	35,767,842	678	52,755	61,854	56,816	54,623
6/30/2017	33,753,929	609	55,425	61,293	54,989	52,049
12/31/2017	34,611,791	570	60,722	60,738	53,221	49,596
Goodness of Fit Statistic, R-Squared:				0.060	0.508	0.704
Average Annual Severity Trend (10 yr)				- 1.8%		
Average Annual Severity Trend ( 8 yr)				- 6.3%		
Average Annual Severity Trend ( 6 yr)				- 9.2%		
Selected Annual Severity Trend				+ 2.0%		

\* 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<sup>1</sup>

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at <u>Ultimate</u> <sup>1</sup>	(4) Occurrence Frequency <u>(3)/(2)</u> <sup>2</sup>
12/31/2004	\$ 752,246,863	28,419	37.78
12/31/2005	777,282,974	28,331	36.45
12/31/2006	822,305,710	28,912	35.16
12/31/2007	840,644,805	29,655	35.28
12/31/2008	891,719,346	31,063	34.83
12/31/2009	815,397,711	29,112	35.70
12/31/2010	803,571,787	29,983	37.31
12/31/2011	818,670,251	29,697	36.27
12/31/2012	821,462,874	28,449	34.63
12/31/2013	869,361,817	28,618	32.92
12/31/2014	913,449,824	29,710	32.53
12/31/2015	933,048,801	29,165	31.26
12/31/2016	942,350,198	29,136	30.92
12/31/2017	955,289,641	29,892	31.29

Selected Annual Frequency Trend: - 0.5%

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

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

PREMISES/OPERATIONS  
OWNERS, LANDLORDS AND TENANTS

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

MULTISTATE

Manual Classes (Full and Deductible Coverage)

Monoline and Multiline Combined

CGL Policies Only

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences <u>at Ultimate<sup>1</sup></u>	(4) Occurrence Frequency <u>(3)/(2)<sup>2</sup></u>
12/31/2004	\$ 856,784,440	36,838	43.00
12/31/2005	917,339,415	34,823	37.96
12/31/2006	919,962,465	32,231	35.03
12/31/2007	979,417,240	34,396	35.12
12/31/2008	1,088,763,592	35,568	32.67
12/31/2009	1,152,343,596	34,254	29.73
12/31/2010	1,197,880,534	34,422	28.74
12/31/2011	1,199,844,485	33,235	27.70
12/31/2012	1,198,704,597	29,221	24.38
12/31/2013	1,208,068,528	31,955	26.45
12/31/2014	1,260,826,110	33,146	26.29
12/31/2015	1,351,210,126	32,674	24.18
12/31/2016	1,362,770,180	31,128	22.84
12/31/2017	1,380,287,969	33,963	24.61

Selected Annual Frequency Trend:      - 1.0%

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

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

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

\*Base Class

CLASS GROUP 01

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

CLASS GROUP 02

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

CLASS GROUP 03

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

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

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

CLASS GROUP 04

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



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

\*Base Class

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

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

\*Base Class

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

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

CLASS GROUP 14

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

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

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

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

CLASS GROUP 16

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

\*

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

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

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

\*Base Class

CLASS GROUP 32 (cont'd)

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

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

CLASS GROUP 33

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

\*

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

CLASS GROUP 34

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

\*

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

\*Base Class

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

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

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

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

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

\*



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

\*Base Class

CLASS GROUP 38

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

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

CLASS GROUP 39

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

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

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

## CLASS EXCEPTIONS

# The following class exceptions apply by state:

### Class Group 10

47469 Not valid for New Jersey

### Class Group 13

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

### Class Group 14

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

### Class Group 32

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

### Class Group 33

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

### Class Group 35

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

### Class Group 38

41620 Not valid for New York

### Class Group 39

93169 Valid only for Louisiana

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

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	X	EXPOSURE TREND#	X	AVERAGE IPMF*	=	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
-----	-----	-----	-----		-----		-----		-----
MONOLINE	12/31/2015	\$34,392,377	1.000		1.070				\$36,799,843
	12/31/2016	37,129,305	1.000		1.070				39,728,356
	12/31/2017	38,981,644	1.009		1.060				41,692,428
MULTILINE	12/31/2015	\$98,127,681	1.000		1.072		0.856		\$90,045,100
	12/31/2016	99,473,741	1.000		1.073		0.856		91,365,437
	12/31/2017	102,006,024	1.009		1.063		0.856		93,653,501
TOTAL	12/31/2015								\$126,844,943
	12/31/2016								131,093,793
	12/31/2017								135,345,929

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

# AGGREGATE LOSS COSTS AT CURRENT LEVEL HAVE BEEN TRENDING FROM AN AVERAGE DATE OF COVERAGE TO ONE YEAR BEYOND AN ASSUMED EFFECTIVE DATE OF 07/01/2019 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	12/31/2015	\$13,974,028		1.062		1.085		1.131		0.927		\$16,881,779
		12/31/2016	9,510,573		1.379		1.085		1.104		0.941		14,782,891
		12/31/2017	6,945,317		1.953		1.085		1.077		0.956		15,152,966
BI	ALAE	12/31/2015	\$18,221,984				1.085		1.131		0.927		\$20,728,493
		12/31/2016	16,412,035				1.085		1.104		0.941		18,499,111
		12/31/2017	16,276,353				1.085		1.077		0.956		18,182,786
PD	B/L INDEMNITY	12/31/2015	\$17,392,087		1.180		1.085		1.370		0.927		\$28,278,980
		12/31/2016	19,333,670		1.256		1.085		1.286		0.941		31,883,374
		12/31/2017	15,490,547		1.411		1.085		1.208		0.956		27,387,244
PD	ALAE	12/31/2015	\$25,228,377				1.085		1.370		0.927		\$34,763,168
		12/31/2016	36,601,364				1.085		1.286		0.941		48,057,104
		12/31/2017	29,980,277				1.085		1.208		0.956		37,565,589
	TOTAL												
	FULL COVERAGE	12/31/2015											\$100,652,421
		12/31/2016											113,222,481
		12/31/2017											98,288,586

\* 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	12/31/2015	\$1,912,576		1.138		1.085		1.131		0.927		\$2,475,900
		12/31/2016	1,414,704		1.341		1.085		1.104		0.941		2,138,370
		12/31/2017	895,671		2.042		1.085		1.077		0.956		2,043,184
BI	ALAE	12/31/2015	\$4,224,638				1.085		1.131		0.927		\$4,805,754
		12/31/2016	2,551,523				1.085		1.104		0.941		2,875,994
		12/31/2017	1,738,872				1.085		1.077		0.956		1,942,544
PD	B/L INDEMNITY	12/31/2015	\$2,845,634		1.092		1.085		1.370		0.927		\$4,281,853
		12/31/2016	2,664,397		1.130		1.085		1.286		0.941		3,953,099
		12/31/2017	2,510,871		1.252		1.085		1.208		0.956		3,938,976
PD	ALAE	12/31/2015	\$3,775,662				1.085		1.370		0.927		\$5,202,632
		12/31/2016	4,466,984				1.085		1.286		0.941		5,865,091
		12/31/2017	5,424,083				1.085		1.208		0.956		6,796,431
	TOTAL DED COVERAGE	12/31/2015											\$16,766,139
		12/31/2016											14,832,553
		12/31/2017											14,721,135
	TOTAL	12/31/2015											\$117,418,560
		12/31/2016											128,055,034
		12/31/2017											113,009,721

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

MULTISTATE  
Products  
Subline Code 336  
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Not Applicable	--
32	Not Applicable	--
33	Not Applicable	--
34	Mercantile Policy	0.838
35	Not Applicable	--
36	Service Policy	0.910
37	Industrial/Processing Policy	0.865
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
12/31/2010	218,723,911	221,327,320	221,473,524	221,500,882	221,500,297	221,488,379	221,484,442	221,484,442
12/31/2011	224,605,706	228,076,356	228,048,781	228,036,064	228,035,742	228,034,112	228,034,144	
12/31/2012	234,825,587	238,107,406	238,084,610	238,082,845	238,074,727	238,074,951		
12/31/2013	245,138,741	247,658,354	247,618,706	247,557,611	247,555,280			
12/31/2014	252,544,413	258,488,954	258,197,054	258,159,529				
12/31/2015	255,676,390	256,308,227	256,142,399					
12/31/2016	245,412,726	245,841,069						
12/31/2017	240,492,676							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2010	1.012	1.001	1.000	1.000	1.000	1.000	1.000
12/31/2011	1.015	1.000	1.000	1.000	1.000	1.000	
12/31/2012	1.014	1.000	1.000	1.000	1.000		
12/31/2013	1.010	1.000	1.000	1.000			
12/31/2014	1.024	0.999	1.000				
12/31/2015	1.002	0.999					
12/31/2016	1.002						
12/31/2017							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.009	1.000

Accident Year Ending	Exposure Development From <u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>	<u>Factor</u>
12/31/2015			1.000	1.000
12/31/2016		1.000	1.000	1.000
12/31/2017	1.009	1.000	1.000	1.009



## MULTISTATE PRODUCTS LOSS DEVELOPMENT DATA

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1998	6,530,690	11,603,182	16,049,468	17,146,094	16,429,781	16,122,433	16,484,451	17,646,807	17,607,702	17,793,493	17,799,750
12/31/1999	7,930,472	12,964,913	16,811,019	19,518,774	19,626,294	19,607,802	19,483,656	19,078,358	19,601,340	19,835,670	19,676,018
12/31/2000	7,739,008	11,035,961	14,684,047	16,675,759	16,349,198	16,195,748	16,870,218	16,237,768	16,090,223	16,168,724	16,071,735
12/31/2001	8,385,674	12,714,598	16,451,642	17,154,592	17,969,728	17,603,875	17,899,928	18,261,529	17,931,259	17,782,947	18,103,129
12/31/2002	7,215,982	11,084,413	14,951,138	16,845,292	16,240,685	15,346,649	15,104,371	14,867,839	14,862,980	14,891,051	15,181,150
12/31/2003	7,482,895	12,425,658	15,288,481	15,888,663	15,189,250	14,512,493	14,205,225	14,667,754	14,961,586	15,150,697	15,121,177
12/31/2004	7,381,889	11,375,787	14,933,668	16,554,788	15,990,062	14,906,215	14,914,425	14,793,873	15,155,685	15,267,865	15,269,443
12/31/2005	9,007,568	10,728,276	13,940,610	13,649,545	13,955,965	14,023,715	13,851,577	14,078,420	13,847,840	13,772,914	13,726,191
12/31/2006	8,162,843	12,992,145	17,209,660	17,422,908	16,772,053	16,962,150	16,913,752	17,123,060	17,377,324	17,322,157	16,963,927
12/31/2007	9,903,713	15,371,884	18,851,134	19,744,610	19,620,987	19,783,935	19,294,130	19,295,681	19,077,607	18,971,905	19,099,387
12/31/2008	9,909,195	14,507,783	17,408,318	18,128,700	19,847,521	18,549,815	18,402,940	18,221,769	18,253,276	18,297,464	
12/31/2009	11,438,761	14,382,324	16,995,337	16,989,458	16,735,577	16,818,339	16,672,578	16,754,401	16,699,669		
12/31/2010	11,481,065	15,877,105	17,380,172	17,932,943	18,078,478	16,693,397	16,444,644	16,438,031			
12/31/2011	9,548,888	12,736,161	15,954,253	16,172,012	15,515,802	15,304,468	15,187,641				
12/31/2012	9,514,886	14,147,385	18,118,536	18,266,894	18,365,441	17,886,638					
12/31/2013	7,145,446	10,845,388	14,863,268	15,726,619	16,021,436						
12/31/2014	7,830,665	10,809,771	14,351,287	16,123,397							
12/31/2015	7,606,405	10,288,850	13,215,434								
12/31/2016	6,644,445	9,195,106									
12/31/2017	6,771,753										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	17,525,367	17,518,045	17,678,529	17,807,595	17,832,852	18,097,234	18,125,837	18,236,947	18,233,049
12/31/1999	19,608,084	19,504,687	19,603,460	19,839,085	20,570,491	20,771,819	20,825,367	19,902,791	
12/31/2000	16,082,762	16,234,722	16,284,909	16,482,412	16,725,544	16,775,527	17,225,973		
12/31/2001	18,421,201	18,524,327	18,752,339	19,079,793	19,018,816	19,256,065			
12/31/2002	15,647,811	15,331,248	15,446,023	15,122,695	15,374,770				
12/31/2003	15,138,015	15,312,396	15,232,952	15,300,542					
12/31/2004	15,137,538	15,027,529	15,204,688						
12/31/2005	13,618,284	13,636,444							
12/31/2006	17,256,958								

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

<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1998	1.777	1.383	1.068	0.958	0.981	1.022	1.071	0.998	1.011	1.000	0.985
12/31/1999	1.635	1.297	1.161	1.006	0.999	0.994	0.979	1.027	1.012	0.992	0.997
12/31/2000	1.426	1.331	1.136	0.980	0.991	1.042	0.963	0.991	1.005	0.994	1.001
12/31/2001	1.516	1.294	1.043	1.048	0.980	1.017	1.020	0.982	0.992	1.018	1.018
12/31/2002	1.536	1.349	1.127	0.964	0.945	0.984	0.984	1.000	1.002	1.019	1.031
12/31/2003	1.661	1.230	1.039	0.956	0.955	0.979	1.033	1.020	1.013	0.998	1.001
12/31/2004	1.541	1.313	1.109	0.966	0.932	1.001	0.992	1.024	1.007	1.000	0.991
12/31/2005	1.191	1.299	0.979	1.022	1.005	0.988	1.016	0.984	0.995	0.997	0.992
12/31/2006	1.592	1.325	1.012	0.963	1.011	0.997	1.012	1.015	0.997	0.979	1.017
12/31/2007	1.552	1.226	1.047	0.994	1.008	0.975	1.000	0.989	0.994	1.007	
12/31/2008	1.464	1.200	1.041	1.095	0.935	0.992	0.990	1.002			
12/31/2009	1.257	1.182	1.000	0.985	1.005	0.991	1.005	0.997			
12/31/2010	1.383	1.095	1.032	1.008	0.923	0.985	1.000				
12/31/2011	1.334	1.253	1.014	0.959	0.986	0.992					
12/31/2012	1.487	1.281	1.008	1.005	0.974						
12/31/2013	1.518	1.370	1.058	1.019							
12/31/2014	1.380	1.328	1.123								
12/31/2015	1.353	1.284									
12/31/2016	1.384										
3 Yr Mean	1.372	1.327	1.063	0.994	0.961	0.989	0.998	0.996	0.998	0.994	1.000
Best 3/5	1.417	1.298	1.035	0.999	0.965	0.989	1.002	0.996	0.998	0.998	1.003

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/1998	1.000	1.009	1.007	1.001	1.015	1.002	1.006	1.000			
12/31/1999	0.995	1.005	1.012	1.037	1.010	1.003	0.956	1.005 *			
12/31/2000	1.009	1.003	1.012	1.015	1.003	1.027	1.006 *	1.005 *			
12/31/2001	1.006	1.012	1.017	0.997	1.012	1.011 *	1.006 *	1.005 *			
12/31/2002	0.980	1.007	0.979	1.017	1.011 *	1.011 *	1.006 *	1.005 *			
12/31/2003	1.012	0.995	1.004								
12/31/2004	0.993	1.012									
12/31/2005	1.001										
3 Yr Mean	1.002	1.005	1.000	1.010	1.008 @	1.011 @	0.981 @	1.000 @			
Best 3/5	1.000	1.007	1.009	1.011	1.011 *	1.008 *	1.006 *	1.005 *			

<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2013					0.965	0.989	1.002	0.996	0.998	0.998	1.003
12/31/2014				0.999	0.965	0.989	1.002	0.996	0.998	0.998	1.003
12/31/2015			1.035	0.999	0.965	0.989	1.002	0.996	0.998	0.998	1.003
12/31/2016		1.298	1.035	0.999	0.965	0.989	1.002	0.996	0.998	0.998	1.003
12/31/2017	1.417	1.298	1.035	0.999	0.965	0.989	1.002	0.996	0.998	0.998	1.003

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/U1t</u>	<u>FACTORS</u>
12/31/2013	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.027
12/31/2014	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.026
12/31/2015	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.062
12/31/2016	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.379
12/31/2017	1.000	1.007	1.009	1.011	1.011	1.008	1.006	1.005	1.020*	1.953

\* 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
12/31/1998	533,067	990,732	1,375,623	1,430,484	1,488,729	1,417,757	1,358,506	1,357,798	1,416,476	1,337,074	1,337,075
12/31/1999	499,691	684,095	962,281	1,209,567	1,327,393	1,200,508	1,519,661	1,355,355	1,344,023	1,270,122	1,393,595
12/31/2000	882,834	1,088,878	1,449,590	1,745,580	1,685,761	1,672,963	1,829,517	1,893,554	1,970,921	1,857,385	1,986,380
12/31/2001	506,813	1,031,350	1,420,172	1,822,482	1,597,318	1,792,618	2,107,687	2,072,547	2,111,120	2,028,185	2,049,083
12/31/2002	563,001	1,110,666	1,584,240	1,512,328	1,822,546	1,820,279	1,893,928	1,718,005	1,666,078	1,669,973	1,667,628
12/31/2003	638,864	916,783	958,041	1,779,977	1,519,336	1,481,000	1,535,514	1,527,017	1,529,492	1,535,140	1,537,251
12/31/2004	1,261,188	1,563,906	2,417,227	2,777,323	2,776,409	2,650,423	2,512,394	2,582,831	2,581,636	2,583,100	2,597,391
12/31/2005	893,932	1,205,397	1,975,626	2,039,457	1,462,671	1,461,365	1,499,228	1,432,397	1,329,908	1,325,483	1,329,974
12/31/2006	1,362,302	2,062,061	2,406,395	2,223,933	1,963,162	1,895,588	1,928,997	1,976,444	1,876,527	1,881,029	1,908,587
12/31/2007	1,781,882	2,342,635	2,225,250	2,535,444	2,599,309	2,134,228	2,140,655	2,247,232	2,251,643	2,276,632	2,279,407
12/31/2008	1,138,142	1,545,957	1,964,461	2,056,873	2,123,092	2,173,719	2,289,233	2,261,703	2,186,705	2,174,354	
12/31/2009	918,066	1,175,956	1,369,211	1,533,576	1,766,190	1,912,731	1,857,492	1,852,494	1,854,719		
12/31/2010	1,171,857	1,971,906	2,121,592	2,177,484	2,308,851	2,506,088	2,458,750	2,257,532			
12/31/2011	1,250,885	1,766,129	2,171,567	1,883,862	1,859,271	1,864,053	1,962,021				
12/31/2012	1,038,711	1,366,000	1,891,731	1,731,533	1,598,782	1,795,716					
12/31/2013	853,052	1,249,105	1,387,865	1,658,327	1,745,340						
12/31/2014	899,810	1,727,643	2,060,618	2,388,533							
12/31/2015	917,280	1,410,526	1,501,324								
12/31/2016	900,423	1,410,233									
12/31/2017	690,452										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	1,348,006	1,337,277	1,394,005	1,395,231	1,395,198	1,395,198	1,395,198	1,398,198	1,400,198
12/31/1999	1,427,496	1,677,295	1,616,737	1,533,829	1,542,618	1,529,540	1,529,540	1,475,033	
12/31/2000	2,038,503	2,018,732	2,135,162	2,170,921	2,161,469	2,249,850	2,252,849		
12/31/2001	2,071,357	2,033,107	2,042,961	2,040,199	2,036,200	2,042,799			
12/31/2002	1,667,628	1,668,258	1,693,607	1,696,308	1,696,307				
12/31/2003	1,537,267	1,537,369	1,540,071	1,540,067					
12/31/2004	2,593,315	2,596,017	2,596,015						
12/31/2005	1,332,682	1,332,773							
12/31/2006	1,883,384								

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
12/31/1998	1.859	1.388	1.040	1.041	0.952	0.958	0.999	1.043	0.944	1.000	1.008
12/31/1999	1.369	1.407	1.257	1.097	0.904	1.266	0.892	0.992	0.945	1.097	1.024
12/31/2000	1.233	1.331	1.204	0.966	0.992	1.094	1.035	1.041	0.942	1.069	1.026
12/31/2001	2.035	1.377	1.283	0.876	1.122	1.176	0.983	1.019	0.961	1.010	1.011
12/31/2002	1.973	1.426	0.955	1.205	0.999	1.040	0.907	0.970	1.002	0.999	1.000
12/31/2003	1.435	1.045	1.858	0.854	0.975	1.037	0.994	1.002	1.004	1.001	1.000
12/31/2004	1.240	1.546	1.149	1.000	0.955	0.948	1.028	1.000	1.001	1.006	0.998
12/31/2005	1.348	1.639	1.032	0.717	0.999	1.026	0.955	0.928	0.997	1.003	1.002
12/31/2006	1.514	1.167	0.924	0.883	0.966	1.018	1.025	0.949	1.002	1.015	0.987
12/31/2007	1.315	0.950	1.139	1.025	0.821	1.003	1.050	1.002	1.011	1.001	
12/31/2008	1.358	1.271	1.047	1.032	1.024	1.053	0.988	0.967	0.994		
12/31/2009	1.281	1.164	1.120	1.152	1.083	0.971	0.997	1.001			
12/31/2010	1.683	1.076	1.026	1.060	1.085	0.981	0.918				
12/31/2011	1.412	1.230	0.868	0.987	1.003	1.053					
12/31/2012	1.315	1.385	0.915	0.923	1.123						
12/31/2013	1.464	1.111	1.195	1.052							
12/31/2014	1.920	1.193	1.159								
12/31/2015	1.538	1.064									
12/31/2016	1.566										

3 Yr Mean	1.675	1.123	1.090	0.987	1.070	1.002	0.968	0.990	1.002	1.006	0.996
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Best 3/5	1.523	1.178	1.033	1.033	1.064	1.012	1.003	0.972	1.000	1.003	0.999
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.992	1.042	1.001	1.000	1.000	1.000	1.002	1.001			
12/31/1999	1.175	0.964	0.949	1.006	0.992	1.000	0.964	1.001 *			
12/31/2000	0.990	1.058	1.017	0.996	1.041	1.001	1.001 *	1.001 *			
12/31/2001	0.982	1.005	0.999	0.998	1.003	1.001 *	1.001 *	1.001 *			
12/31/2002	1.000	1.015	1.002	1.000	0.999 *	1.001 *	1.001 *	1.001 *			
12/31/2003	1.000	1.002	1.000								
12/31/2004	1.001	1.000									
12/31/2005	1.000										

3 Yr Mean	1.000	1.006	1.000	0.998	1.012 @	1.000 @	0.983 @	1.001 @			
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Best 3/5	1.000	1.007	1.000	0.999	1.001 *	1.001 *	1.001 *	1.001 *			
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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
12/31/2013					1.064	1.012	1.003	0.972	1.000	1.003	0.999
12/31/2014				1.033	1.064	1.012	1.003	0.972	1.000	1.003	0.999
12/31/2015			1.033	1.033	1.064	1.012	1.003	0.972	1.000	1.003	0.999
12/31/2016		1.178	1.033	1.033	1.064	1.012	1.003	0.972	1.000	1.003	0.999
12/31/2017	1.523	1.178	1.033	1.033	1.064	1.012	1.003	0.972	1.000	1.003	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	1.067
12/31/2014	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	1.102
12/31/2015	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	1.138
12/31/2016	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	1.341
12/31/2017	1.000	1.007	1.000	0.999	1.001	1.001	1.001	1.001	1.004*	2.042

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

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

Allocated Expenses as of:											
A.Y.E	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	2,084,041	6,012,928	9,607,172	11,556,578	12,383,919	13,260,624	13,968,315	15,220,635	15,057,234	15,762,194	16,049,080
12/31/1999	1,523,341	5,357,735	7,704,410	11,136,492	13,705,527	14,968,850	15,468,209	15,413,377	16,374,596	17,769,478	18,499,035
12/31/2000	1,333,914	4,710,725	8,660,836	12,428,334	14,034,908	15,335,503	17,801,727	18,518,609	19,656,973	20,401,399	20,585,505
12/31/2001	1,905,068	5,534,985	8,902,032	11,069,041	14,377,671	16,172,073	17,966,919	19,637,801	20,000,155	19,964,588	20,302,109
12/31/2002	1,638,829	3,948,154	8,465,360	12,859,957	16,119,478	19,151,390	19,382,989	20,135,919	20,649,288	21,105,263	21,382,847
12/31/2003	1,558,508	4,685,800	9,161,005	14,810,396	18,843,552	20,316,380	20,932,698	21,906,834	21,617,361	22,570,718	23,723,715
12/31/2004	1,205,512	3,303,719	6,895,507	11,350,009	14,268,078	14,251,827	15,732,913	16,582,009	17,471,137	18,668,333	18,816,050
12/31/2005	1,503,287	3,429,783	6,064,918	8,699,179	11,041,414	13,307,752	13,356,895	13,686,512	13,901,674	14,330,797	14,628,460
12/31/2006	1,940,972	6,603,289	9,024,626	12,062,133	14,124,625	16,021,098	19,018,619	20,330,723	19,346,678	19,428,712	19,445,621
12/31/2007	2,415,456	7,070,038	11,039,719	15,342,924	18,716,430	20,508,275	21,661,833	21,890,388	22,117,712	26,444,770	26,451,995
12/31/2008	1,751,356	4,401,018	8,766,407	15,000,336	19,322,838	21,476,572	21,383,977	21,818,703	22,161,940	22,331,265	
12/31/2009	3,347,616	5,952,618	10,662,882	13,921,951	16,356,634	17,428,687	17,466,245	17,755,326	17,757,060		
12/31/2010	2,137,007	6,026,589	10,181,458	15,694,703	17,839,369	18,637,444	18,823,935	18,998,849			
12/31/2011	2,589,946	5,966,160	10,877,206	14,448,486	16,593,677	17,959,765	19,007,621				
12/31/2012	2,739,787	8,056,640	17,359,176	22,589,966	26,295,859	29,183,871					
12/31/2013	1,622,917	5,500,912	9,983,914	13,342,968	15,601,124						
12/31/2014	1,655,599	4,503,476	8,802,643	12,936,522							
12/31/2015	2,238,324	5,109,949	8,608,410								
12/31/2016	1,567,577	4,108,530									
12/31/2017	1,310,641										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	16,022,551	16,073,962	16,312,991	16,381,897	16,757,609	16,853,437	16,863,732	16,947,755	16,985,075
12/31/1999	18,907,933	19,759,487	20,361,561	21,464,090	22,209,737	22,723,543	23,145,891	23,671,554	
12/31/2000	20,915,055	21,267,371	21,656,510	21,787,380	21,997,321	22,175,311	22,316,107		
12/31/2001	20,604,131	20,945,490	21,226,512	21,528,368	21,738,625	22,048,367			
12/31/2002	23,836,731	23,756,416	23,730,077	22,983,565	23,102,170				
12/31/2003	23,659,932	23,921,883	23,254,132	23,345,502					
12/31/2004	18,972,115	19,095,655	19,227,881						
12/31/2005	14,792,764	14,892,245							
12/31/2006	19,458,821								

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

Increments													
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1998	3,928,887	3,594,244	1,949,406	827,341	876,705	707,691	1,252,320	-163,401	704,960	286,886	-26,529	51,411	239,029
12/31/1999	3,834,394	2,346,675	3,432,082	2,569,035	1,263,323	499,359	-54,832	961,219	1,394,882	729,557	408,898	851,554	602,074
12/31/2000	3,376,811	3,950,111	3,767,498	1,606,574	1,300,595	2,466,224	716,882	1,138,364	744,426	184,106	329,550	352,316	389,139
12/31/2001	3,629,917	3,367,047	2,167,009	3,308,630	1,794,402	1,794,846	1,670,882	362,354	-35,567	337,521	302,022	341,359	281,022
12/31/2002	2,309,325	4,517,206	4,394,597	3,259,521	3,031,912	231,599	752,930	513,369	455,975	277,584	2,453,884	-80,315	-26,339
12/31/2003	3,127,292	4,475,205	5,649,391	4,033,156	1,472,828	616,318	974,136	-289,473	953,357	1,152,997	-63,783	261,951	-667,751
12/31/2004	2,098,207	3,591,788	4,454,502	2,918,069	-16,251	1,481,086	849,096	889,128	1,197,196	147,717	156,065	123,540	132,226
12/31/2005	1,926,496	2,635,135	2,634,261	2,342,235	2,266,338	49,143	329,617	215,162	429,123	297,663	164,304	99,481	
12/31/2006	4,662,317	2,421,337	3,037,507	2,062,492	1,896,473	2,997,521	1,312,104	-984,045	82,034	16,909	13,200		
12/31/2007	4,654,582	3,969,681	4,303,205	3,373,506	1,791,845	1,153,558	228,555	227,324	4,327,058	7,225			
12/31/2008	2,649,662	4,365,389	6,233,929	4,322,502	2,153,734	-92,595	434,726	343,237	169,325				
12/31/2009	2,605,002	4,710,264	3,259,069	2,434,683	1,072,053	37,558	289,081	1,734					
12/31/2010	3,889,582	4,154,869	5,513,245	2,144,666	798,075	186,491	174,914						
12/31/2011	3,376,214	4,911,046	3,571,280	2,145,191	1,366,088	1,047,856							
12/31/2012	5,316,853	9,302,536	5,230,790	3,705,893	2,888,012								
12/31/2013	3,877,995	4,483,002	3,359,054	2,258,156									
12/31/2014	2,847,877	4,299,167	4,133,879										
12/31/2015	2,871,625	3,498,461											
12/31/2016	2,540,953												

Incremental Percentages													
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1998	0.1220	0.1116	0.0605	0.0257	0.0272	0.0220	0.0389	-0.0051	0.0219	0.0089	-0.0008	0.0016	0.0074
12/31/1999	0.1037	0.0635	0.0928	0.0695	0.0342	0.0135	-0.0015	0.0260	0.0377	0.0197	0.0111	0.0230	0.0163
12/31/2000	0.1040	0.1216	0.1160	0.0495	0.0400	0.0759	0.0221	0.0350	0.0229	0.0057	0.0101	0.0108	0.0120
12/31/2001	0.1025	0.0951	0.0612	0.0935	0.0507	0.0507	0.0472	0.0102	-0.0010	0.0095	0.0085	0.0096	0.0079
12/31/2002	0.0757	0.1481	0.1441	0.1069	0.0994	0.0076	0.0247	0.0168	0.0150	0.0091	0.0805	-0.0026	-0.0009
12/31/2003	0.0930	0.1332	0.1681	0.1200	0.0438	0.0183	0.0290	-0.0086	0.0284	0.0343	-0.0019	0.0078	-0.0199
12/31/2004	0.0717	0.1227	0.1521	0.0997	-0.0006	0.0506	0.0290	0.0304	0.0409	0.0050	0.0053	0.0042	0.0045
12/31/2005	0.0606	0.0829	0.0829	0.0737	0.0713	0.0015	0.0104	0.0068	0.0135	0.0094	0.0052	0.0031	
12/31/2006	0.1257	0.0653	0.0819	0.0556	0.0511	0.0808	0.0354	-0.0265	0.0022	0.0005	0.0004		
12/31/2007	0.1115	0.0951	0.1030	0.0808	0.0429	0.0276	0.0055	0.0054	0.1036	0.0002			
12/31/2008	0.0702	0.1157	0.1653	0.1146	0.0571	-0.0025	0.0115	0.0091	0.0045				
12/31/2009	0.0683	0.1235	0.0854	0.0638	0.0281	0.0010	0.0076	0.0000					
12/31/2010	0.1076	0.1150	0.1525	0.0593	0.0221	0.0052	0.0048						
12/31/2011	0.1086	0.1580	0.1149	0.0690	0.0440	0.0337							
12/31/2012	0.1379	0.2413	0.1357	0.0961	0.0749								
12/31/2013	0.1211	0.1400	0.1049	0.0705									
12/31/2014	0.0811	0.1224	0.1177										
12/31/2015	0.1065	0.1298											
12/31/2016	0.1010												

Best 3/5	0.1096	0.1426	0.1228	0.0678	0.0431	0.0113	0.0082	0.0041	0.0196	0.0050	0.0036	0.0050	0.0039
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PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE  
 BODILY INJURY - OCCURRENCE  
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	183:171	195:183	207:195	Link Ratios 219:207	231:219	243:231	Ult:243
12/31/1998	1.004	1.023	1.006	1.001	1.005	1.002	1.004 *
12/31/1999	1.054	1.035	1.023	1.019	1.023	1.005 *	1.004 *
12/31/2000	1.006	1.010	1.008	1.006	1.007 *	1.005 *	1.004 *
12/31/2001	1.014	1.010	1.014	1.010 *	1.007 *	1.005 *	1.004 *
12/31/2002	0.969	1.005	1.014 *	1.010 *	1.007 *	1.005 *	1.004 *
12/31/2003	1.004						
Best 3/5	1.008	1.014	1.012 *	1.009 *	1.007 *	1.005 *	1.004 *

171 to Ultimate Factor: 1.060

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.546	0.437	0.294	0.171	0.104	0.061	0.049
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.041	0.037	0.017	0.013	0.009	0.004	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	8,872,360	28,294,066	0.294	8,318,459	17,190,819	1.060	18,221,984
12/31/2016	4,413,867	25,330,468	0.437	11,069,414	15,483,281	1.060	16,412,035
12/31/2017	1,407,537	25,545,301	0.546	13,947,729	15,355,266	1.060	16,276,353

\* Calculated Using Modified Bondy Method



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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1998	9,508,186	13,631,815	14,865,388	15,143,601	16,201,864	17,092,484	18,618,064	17,392,005	17,591,070	18,476,245	18,749,879
12/31/1999	9,375,407	12,270,884	14,197,145	15,983,441	15,404,497	16,585,559	16,452,448	17,612,163	18,385,274	18,690,966	18,733,398
12/31/2000	9,758,833	13,357,935	15,231,972	16,251,804	17,972,798	18,891,240	19,919,583	20,702,404	20,940,099	21,244,044	21,257,230
12/31/2001	11,751,945	14,990,584	19,119,813	20,158,573	19,960,075	20,761,512	21,985,181	21,891,672	22,327,277	22,565,040	22,930,739
12/31/2002	9,564,927	14,968,159	18,025,646	17,352,073	17,465,111	18,649,654	19,066,146	19,351,801	19,612,727	19,868,845	20,413,394
12/31/2003	11,416,124	13,439,314	15,672,385	17,013,844	18,535,627	19,861,345	20,268,561	20,782,686	21,357,005	21,717,248	21,838,225
12/31/2004	10,337,205	12,530,186	13,827,556	14,266,901	15,625,213	15,692,472	16,057,312	16,443,475	16,611,989	17,007,666	17,148,432
12/31/2005	12,024,445	14,351,295	14,633,771	15,206,411	15,408,547	15,878,255	15,851,792	16,864,335	16,927,881	17,568,908	17,881,227
12/31/2006	13,597,234	15,236,480	16,448,274	16,798,303	17,812,436	18,265,209	19,010,260	20,941,587	21,618,724	21,452,368	21,612,396
12/31/2007	18,580,856	20,898,919	21,969,138	22,007,997	23,416,047	24,239,735	25,626,608	26,370,083	26,600,257	27,355,657	27,932,172
12/31/2008	17,555,296	21,040,641	22,624,689	23,820,063	24,556,882	25,668,909	26,421,970	26,940,711	27,418,237	27,941,170	
12/31/2009	20,608,609	23,259,989	24,830,134	24,839,807	25,134,714	25,751,513	25,414,886	26,068,693	26,471,293		
12/31/2010	19,068,215	21,804,612	23,244,744	23,749,876	23,848,356	24,488,268	24,478,225	24,913,309			
12/31/2011	16,107,610	17,765,224	18,453,228	19,940,803	20,255,104	20,751,887	21,369,276				
12/31/2012	16,970,196	18,010,691	19,911,449	22,315,673	22,704,567	22,981,789					
12/31/2013	15,841,004	18,414,872	19,842,282	20,003,620	20,874,728						
12/31/2014	15,366,030	17,563,966	18,897,794	19,064,709							
12/31/2015	15,718,217	16,728,682	17,093,628								
12/31/2016	15,519,852	18,359,839									
12/31/2017	14,452,527										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	19,013,703	19,263,267	19,260,285	19,225,020	19,148,217	19,170,096	19,169,995	19,144,996	19,241,194
12/31/1999	18,586,286	18,476,696	18,570,100	18,540,628	18,568,843	18,695,335	18,699,213	18,687,044	
12/31/2000	21,027,236	21,172,897	21,021,778	21,008,135	21,009,526	21,008,154	21,010,355		
12/31/2001	22,932,285	22,756,792	22,665,821	22,720,195	22,674,046	22,680,873			
12/31/2002	20,504,155	20,608,692	20,645,414	20,769,493	20,768,534				
12/31/2003	22,356,819	22,155,897	22,115,984	22,146,226					
12/31/2004	17,352,697	17,289,760	17,467,175						
12/31/2005	17,744,750	17,656,248							
12/31/2006	21,286,530								

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
12/31/1998	1.434	1.090	1.019	1.070	1.055	1.089	0.934	1.011	1.050	1.015	1.014
12/31/1999	1.309	1.157	1.126	0.964	1.077	0.992	1.070	1.044	1.017	1.002	0.992
12/31/2000	1.369	1.140	1.067	1.106	1.051	1.054	1.039	1.011	1.015	1.001	0.989
12/31/2001	1.276	1.275	1.054	0.990	1.040	1.059	0.996	1.020	1.011	1.016	1.000
12/31/2002	1.565	1.204	0.963	1.007	1.068	1.022	1.015	1.013	1.013	1.027	1.004
12/31/2003	1.177	1.166	1.086	1.089	1.072	1.021	1.025	1.028	1.017	1.006	1.024
12/31/2004	1.212	1.104	1.032	1.095	1.004	1.023	1.024	1.010	1.024	1.008	1.012
12/31/2005	1.194	1.020	1.039	1.013	1.030	0.998	1.064	1.004	1.038	1.018	0.992
12/31/2006	1.121	1.080	1.021	1.060	1.025	1.041	1.102	1.032	0.992	1.007	0.985
12/31/2007	1.125	1.051	1.002	1.064	1.035	1.057	1.029	1.009	1.028	1.021	
12/31/2008	1.199	1.075	1.053	1.031	1.045	1.029	1.020	1.018	1.019		
12/31/2009	1.129	1.068	1.000	1.012	1.025	0.987	1.026	1.015			
12/31/2010	1.144	1.066	1.022	1.004	1.027	1.000	1.018				
12/31/2011	1.103	1.039	1.081	1.016	1.025	1.030					
12/31/2012	1.061	1.106	1.121	1.017	1.012						
12/31/2013	1.162	1.078	1.008	1.044							
12/31/2014	1.143	1.076	1.009								
12/31/2015	1.064	1.022									
12/31/2016	1.183										
3 Yr Mean	1.130	1.059	1.046	1.026	1.021	1.006	1.021	1.014	1.013	1.015	0.996
Best 3/5	1.123	1.064	1.037	1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.013	1.000	0.998	0.996	1.001	1.000	0.999	1.005			
12/31/1999	0.994	1.005	0.998	1.002	1.007	1.000	0.999	1.000 *			
12/31/2000	1.007	0.993	0.999	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2001	0.992	0.996	1.002	0.998	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	1.005	1.002	1.006	1.000	0.999 *	1.000 *	1.000 *	1.000 *			
12/31/2003	0.991	0.998	1.001								
12/31/2004	0.996	1.010									
12/31/2005	0.995										
3 Yr Mean	0.994	1.003	1.003	0.999	1.002 @	1.000 @	0.999 @	1.005 @			
Best 3/5	0.994	0.999	1.001	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
12/31/2013					1.026	1.020	1.025	1.014	1.024	1.011	1.003
12/31/2014				1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003
12/31/2015			1.037	1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003
12/31/2016		1.064	1.037	1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003
12/31/2017	1.123	1.064	1.037	1.015	1.026	1.020	1.025	1.014	1.024	1.011	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.122
12/31/2014	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.138
12/31/2015	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.180
12/31/2016	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.256
12/31/2017	0.994	0.999	1.001	0.999	1.000	1.000	1.000	1.000	1.000*	1.411

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1998	1,035,375	1,693,891	1,888,505	1,907,518	2,135,914	3,078,424	2,757,453	2,751,402	3,080,149	3,265,137	3,320,703
12/31/1999	881,765	981,540	1,247,460	1,811,107	1,832,734	1,997,749	2,131,436	2,287,156	2,610,443	2,820,793	2,906,684
12/31/2000	921,129	1,445,187	1,891,161	1,803,234	1,911,565	2,086,180	2,474,003	2,667,906	2,811,852	3,026,858	3,096,825
12/31/2001	1,722,974	1,924,777	2,520,602	2,806,538	2,729,897	3,040,445	3,488,229	4,060,847	4,303,076	4,421,154	4,569,788
12/31/2002	821,127	1,532,634	1,888,541	2,303,004	2,893,778	3,018,020	3,170,334	3,284,663	3,885,946	3,872,977	3,872,178
12/31/2003	1,633,801	1,760,813	1,621,790	1,612,864	1,665,621	1,808,718	2,159,886	2,201,461	2,225,359	2,380,285	2,705,163
12/31/2004	708,966	1,301,618	1,799,252	1,551,855	1,433,456	1,510,529	1,524,216	1,492,583	1,605,728	1,707,199	1,704,027
12/31/2005	1,839,840	3,006,021	2,828,232	3,172,061	3,229,774	3,103,531	3,369,469	3,491,011	3,487,635	3,435,645	3,370,962
12/31/2006	2,739,548	4,038,503	4,482,928	4,160,418	4,098,990	4,233,977	4,690,793	4,763,238	4,869,295	4,998,224	5,031,644
12/31/2007	3,386,279	3,097,519	3,031,213	3,133,141	3,449,007	3,385,354	3,478,243	3,652,112	3,747,406	3,760,636	3,871,170
12/31/2008	2,318,311	2,552,925	3,040,547	3,183,744	2,960,420	3,018,726	3,185,618	3,273,757	3,283,953	3,229,166	
12/31/2009	3,499,393	3,487,472	3,057,187	3,116,760	3,240,776	3,461,193	3,368,806	3,494,914	3,518,663		
12/31/2010	2,187,415	3,079,994	3,387,852	3,125,893	3,113,662	3,223,520	3,261,193	3,214,622			
12/31/2011	3,305,690	3,329,092	3,186,600	3,175,545	3,351,416	3,264,421	3,228,339				
12/31/2012	2,966,126	2,907,153	3,337,127	3,191,842	3,356,984	2,913,598					
12/31/2013	3,777,963	3,929,893	4,009,011	4,089,906	4,121,879						
12/31/2014	3,357,997	4,406,067	4,542,104	4,563,319							
12/31/2015	2,789,251	3,111,342	3,281,438								
12/31/2016	2,966,088	3,468,186									
12/31/2017	2,195,023										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	3,266,846	3,250,253	3,261,792	3,259,292	3,281,628	3,281,835	3,281,835	3,281,835	3,281,835
12/31/1999	2,859,339	2,843,228	2,844,344	2,849,256	2,849,256	2,849,251	2,849,251	2,849,251	
12/31/2000	3,009,980	2,960,187	2,967,860	2,965,724	2,960,403	2,960,403	3,025,332		
12/31/2001	4,412,114	4,370,283	4,320,612	4,301,283	4,228,755	4,233,758			
12/31/2002	3,617,377	3,567,155	3,516,054	3,506,054	3,508,388				
12/31/2003	2,772,861	2,774,704	2,807,162	2,805,175					
12/31/2004	1,673,562	1,702,449	1,697,448						
12/31/2005	3,461,895	3,492,774							
12/31/2006	5,046,337								

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
12/31/1998	1.636	1.115	1.010	1.120	1.441	0.896	0.998	1.119	1.060	1.017	0.984
12/31/1999	1.113	1.271	1.452	1.012	1.090	1.067	1.073	1.141	1.081	1.030	0.984
12/31/2000	1.569	1.309	0.954	1.060	1.091	1.186	1.078	1.054	1.076	1.023	0.972
12/31/2001	1.117	1.310	1.113	0.973	1.114	1.147	1.164	1.060	1.027	1.034	0.965
12/31/2002	1.867	1.232	1.219	1.257	1.043	1.050	1.036	1.183	0.997	1.000	0.934
12/31/2003	1.078	0.921	0.994	1.033	1.086	1.194	1.019	1.011	1.070	1.136	1.025
12/31/2004	1.836	1.382	0.863	0.924	1.054	1.009	0.979	1.076	1.063	0.998	0.982
12/31/2005	1.634	0.941	1.122	1.018	0.961	1.086	1.036	0.999	0.985	0.981	1.027
12/31/2006	1.474	1.110	0.928	0.985	1.033	1.108	1.015	1.022	1.026	1.007	1.003
12/31/2007	0.915	0.979	1.034	1.101	0.982	1.027	1.050	1.026	1.004	1.029	
12/31/2008	1.101	1.191	1.047	0.930	1.020	1.055	1.028	1.003	0.983		
12/31/2009	0.997	0.877	1.019	1.040	1.068	0.973	1.037	1.007			
12/31/2010	1.408	1.100	0.923	0.996	1.035	1.012	0.986				
12/31/2011	1.007	0.957	0.997	1.055	0.974	0.989					
12/31/2012	0.980	1.148	0.956	1.052	0.868						
12/31/2013	1.040	1.020	1.020	1.008							
12/31/2014	1.312	1.031	1.005								
12/31/2015	1.115	1.055									
12/31/2016	1.169										
3 Yr Mean	1.199	1.035	0.994	1.038	0.959	0.991	1.017	1.012	1.004	1.006	1.004
Best 3/5	1.108	1.035	0.986	1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.995	1.004	0.999	1.007	1.000	1.000	1.000	1.000			
12/31/1999	0.994	1.000	1.002	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	0.983	1.003	0.999	0.998	1.000	1.022	1.000 *	1.000 *			
12/31/2001	0.991	0.989	0.996	0.983	1.001	1.000 *	1.000 *	1.000 *			
12/31/2002	0.986	0.986	0.997	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.001	1.012	0.999								
12/31/2004	1.017	0.997									
12/31/2005	1.009										
3 Yr Mean	1.009	0.998	0.997	0.994	1.000 @	1.007 @	1.000 @	1.000 @			
Best 3/5	1.000	0.996	0.998	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.010	1.009	1.027	1.011	1.005	1.011	1.003
12/31/2014				1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003
12/31/2015			0.986	1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003
12/31/2016		1.035	0.986	1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003
12/31/2017	1.108	1.035	0.986	1.033	1.010	1.009	1.027	1.011	1.005	1.011	1.003

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.072
12/31/2014	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.107
12/31/2015	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.092
12/31/2016	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.130
12/31/2017	1.000	0.996	0.998	1.000	1.000	1.000	1.000	1.000	1.000*	1.252

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

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

Allocated Expenses as of:											
A.Y.E	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	1,485,114	3,725,900	5,686,292	7,470,628	10,052,738	11,660,908	13,316,293	13,499,361	14,808,981	16,325,652	17,177,462
12/31/1999	2,260,092	3,030,022	5,277,912	7,867,413	9,139,256	11,452,717	12,746,533	14,103,792	15,308,764	17,088,584	17,543,131
12/31/2000	2,516,343	3,825,021	6,168,995	10,095,647	12,765,467	15,953,697	18,533,138	19,473,565	20,116,590	20,961,684	21,400,872
12/31/2001	2,041,421	3,498,520	6,085,372	9,608,708	13,123,883	15,081,618	17,957,549	19,475,506	20,838,333	20,046,328	20,282,982
12/31/2002	1,196,598	3,387,581	6,788,451	8,842,428	11,108,584	12,450,358	13,338,935	15,388,853	14,955,024	15,071,098	15,630,532
12/31/2003	1,603,483	3,943,279	6,593,307	10,687,804	12,722,407	14,679,943	16,526,580	17,644,387	18,901,531	19,929,054	20,830,189
12/31/2004	1,776,784	2,925,785	5,529,008	8,052,591	10,461,439	12,233,168	13,599,968	14,630,128	15,829,991	16,876,555	17,560,704
12/31/2005	2,226,828	4,552,172	7,956,945	8,125,619	9,391,745	10,676,657	12,912,880	14,537,083	15,681,357	16,838,659	17,957,311
12/31/2006	1,596,517	3,714,953	7,122,369	10,126,107	12,191,940	14,370,168	15,840,867	18,130,927	21,313,703	21,978,482	22,782,889
12/31/2007	2,336,400	4,355,403	6,700,299	10,590,461	13,475,113	15,728,339	17,135,263	19,434,354	20,599,619	22,435,996	23,617,581
12/31/2008	2,167,737	5,436,960	9,660,791	13,547,445	16,807,177	19,351,048	20,867,947	21,855,958	22,627,987	23,554,474	
12/31/2009	4,644,675	9,978,543	16,457,161	19,963,530	23,271,158	27,038,654	28,020,818	29,520,562	31,060,268		
12/31/2010	2,773,696	6,170,410	11,301,354	17,321,686	21,774,030	23,871,465	25,217,075	25,673,607			
12/31/2011	2,719,594	5,015,473	8,870,426	12,490,996	15,415,551	18,167,381	19,642,256				
12/31/2012	3,322,140	8,343,069	13,806,727	20,854,881	22,951,182	25,440,380					
12/31/2013	3,193,298	6,883,298	10,532,635	14,560,935	17,305,644						
12/31/2014	3,554,180	6,288,305	9,591,883	12,594,548							
12/31/2015	2,729,525	5,663,552	9,182,242								
12/31/2016	4,372,128	10,309,924									
12/31/2017	2,709,862										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	17,735,567	18,184,774	18,343,644	18,253,294	18,298,816	18,302,064	18,302,356	18,302,635	18,449,690
12/31/1999	18,140,558	17,713,316	17,848,551	17,784,674	17,899,082	17,825,344	17,839,343	17,851,774	
12/31/2000	21,915,818	22,267,867	22,428,522	22,368,141	22,625,159	22,622,244	22,599,951		
12/31/2001	20,771,849	21,233,621	21,777,666	21,839,156	21,834,681	21,885,385			
12/31/2002	16,008,593	16,314,840	16,531,970	16,645,480	16,678,949				
12/31/2003	22,461,103	22,760,218	23,439,989	23,494,175					
12/31/2004	18,474,647	18,781,275	18,825,608						
12/31/2005	18,798,768	19,861,175							
12/31/2006	22,892,286								

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

Increments													
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1998	2,240,786	1,960,392	1,784,336	2,582,110	1,608,170	1,655,385	183,068	1,309,620	1,516,671	851,810	558,105	449,207	158,870
12/31/1999	769,930	2,247,890	2,589,501	1,271,843	2,313,461	1,293,816	1,357,259	1,204,972	1,779,820	454,547	597,427	-427,242	135,235
12/31/2000	1,308,678	2,343,974	3,926,652	2,669,820	3,188,230	2,579,441	940,427	643,025	845,094	439,188	514,946	352,049	160,655
12/31/2001	1,457,099	2,586,852	3,523,336	3,515,175	1,957,735	2,875,931	1,517,957	1,362,827	-792,005	236,654	488,867	461,772	544,045
12/31/2002	2,190,983	3,400,870	2,053,977	2,266,156	1,341,774	888,577	2,049,918	-433,829	116,074	559,434	378,061	306,247	217,130
12/31/2003	2,339,796	2,650,028	4,094,497	2,034,603	1,957,536	1,846,637	1,117,807	1,257,144	1,027,523	901,135	1,630,914	299,115	679,771
12/31/2004	1,149,001	2,603,223	2,523,583	2,408,848	1,771,729	1,366,800	1,030,160	1,199,863	1,046,564	684,149	913,943	306,628	44,333
12/31/2005	2,325,344	3,404,773	168,674	1,266,126	1,284,912	2,236,223	1,624,203	1,144,274	1,157,302	1,118,652	841,457	1,062,407	
12/31/2006	2,118,436	3,407,416	3,003,738	2,065,833	2,178,228	1,470,699	2,290,060	3,182,776	664,779	804,407	109,397		
12/31/2007	2,019,003	2,344,896	3,890,162	2,884,652	2,253,226	1,406,924	2,299,091	1,165,265	1,836,377	1,181,585			
12/31/2008	3,269,223	4,223,831	3,886,654	3,259,732	2,543,871	1,516,899	988,011	772,029	926,487				
12/31/2009	5,333,868	6,478,618	3,506,369	3,307,628	3,767,496	982,164	1,499,744	1,539,706					
12/31/2010	3,396,714	5,130,944	6,020,332	4,452,344	2,097,435	1,345,610	456,532						
12/31/2011	2,295,879	3,854,953	3,620,570	2,924,555	2,751,830	1,474,875							
12/31/2012	5,020,929	5,463,658	7,048,154	2,096,301	2,489,198								
12/31/2013	3,690,000	3,649,337	4,028,300	2,744,709									
12/31/2014	2,734,125	3,303,578	3,002,665										
12/31/2015	2,934,027	3,518,690											
12/31/2016	5,937,796												

Incremental Percentages													
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1998	0.0890	0.0779	0.0709	0.1025	0.0639	0.0657	0.0073	0.0520	0.0602	0.0338	0.0222	0.0178	0.0063
12/31/1999	0.0284	0.0828	0.0954	0.0469	0.0852	0.0477	0.0500	0.0444	0.0656	0.0167	0.0220	-0.0157	0.0050
12/31/2000	0.0414	0.0741	0.1241	0.0844	0.1008	0.0815	0.0297	0.0203	0.0267	0.0139	0.0163	0.0111	0.0051
12/31/2001	0.0440	0.0782	0.1065	0.1062	0.0592	0.0869	0.0459	0.0412	-0.0239	0.0072	0.0148	0.0140	0.0164
12/31/2002	0.0737	0.1144	0.0691	0.0762	0.0451	0.0299	0.0689	-0.0146	0.0039	0.0188	0.0127	0.0103	0.0073
12/31/2003	0.0711	0.0806	0.1245	0.0619	0.0595	0.0562	0.0340	0.0382	0.0312	0.0274	0.0496	0.0091	0.0207
12/31/2004	0.0491	0.1112	0.1078	0.1029	0.0757	0.0584	0.0440	0.0513	0.0447	0.0292	0.0390	0.0131	0.0019
12/31/2005	0.0903	0.1322	0.0066	0.0492	0.0499	0.0869	0.0631	0.0444	0.0449	0.0434	0.0327	0.0413	
12/31/2006	0.0657	0.1057	0.0931	0.0641	0.0675	0.0456	0.0710	0.0987	0.0206	0.0249	0.0034		
12/31/2007	0.0501	0.0582	0.0965	0.0716	0.0559	0.0349	0.0571	0.0289	0.0456	0.0293			
12/31/2008	0.0744	0.0962	0.0885	0.0742	0.0579	0.0345	0.0225	0.0176	0.0211				
12/31/2009	0.1155	0.1402	0.0759	0.0716	0.0816	0.0213	0.0325	0.0333					
12/31/2010	0.0851	0.1286	0.1509	0.1116	0.0526	0.0337	0.0114						
12/31/2011	0.0628	0.1054	0.0990	0.0800	0.0753	0.0403							
12/31/2012	0.1133	0.1233	0.1591	0.0473	0.0562								
12/31/2013	0.0922	0.0912	0.1007	0.0686									
12/31/2014	0.0691	0.0835	0.0759										
12/31/2015	0.0891	0.1068											
12/31/2016	0.1415												

Best 3/5	0.0982	0.1012	0.1169	0.0734	0.0631	0.0344	0.0373	0.0356	0.0369	0.0287	0.0281	0.0125	0.0096
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PRODUCTS (Subline Code 336)  
FULL COVERAGE  
MULTISTATE  
PROPERTY DAMAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	183:171	195:183	207:195	Link Ratios 219:207	231:219	243:231	Ult:243
12/31/1998	0.995	1.002	1.000	1.000	1.000	1.008	1.000 *
12/31/1999	0.996	1.006	0.996	1.001	1.001	1.000 *	1.000 *
12/31/2000	0.997	1.011	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	1.007	1.002	1.004 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.002						
Best 3/5	1.001	1.004	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.006

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.676	0.578	0.476	0.360	0.286	0.223	0.189
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.151	0.116	0.079	0.050	0.022	0.010	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	9,350,031	33,042,390	0.476	15,728,179	25,078,210	1.006	25,228,377
12/31/2016	10,485,072	44,806,708	0.578	25,898,286	36,383,358	1.006	36,601,364
12/31/2017	2,908,692	39,782,690	0.676	26,893,125	29,801,817	1.006	29,980,277

\* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2012 - 2016

<u>Item *</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2012 - 2016 Mean</u>
1. Direct Losses Incurred	\$18,480,140	\$18,521,277	\$19,140,390	\$24,110,646	\$25,085,478	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,270,137	\$5,080,420	\$4,727,492	\$5,601,664	\$4,581,304	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$1,892,698	\$2,061,866	\$2,159,178	\$2,371,173	\$2,496,550	
4. Incurred Losses + ALAE [(1) + (2)]	\$23,750,277	\$23,601,697	\$23,867,882	\$29,712,310	\$29,666,781	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.0%	8.7%	9.0%	8.0%	8.4%	8.4%
6. Selected	8.5%					

Notes: All dollar amounts are displayed in thousands.

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



## PRODUCTS TREND SUMMARY

(1)	<u>EXPOSURE TREND</u>	<u>PRODUCTS</u>	
	Average Annual Percent Change		
	a) 7/1/2015 to 7/1/2020 AYE 12/31/2015	+ 1.5%	
	b) 7/1/2016 to 7/1/2020 AYE 12/31/2016	+ 1.9%	
	c) 7/1/2017 to 7/1/2020 AYE 12/31/2017	+ 2.2%	
(2)	<u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>
	a) Fitted		
	All Years	+ 4.2%	+ 5.8%
	Eight Years	+ 5.6%	+ 8.2%
	Six Years	+ 2.2%	+ 6.7%
	b) Selected	+ 2.5%	+ 6.5%
(3)	<u>FREQUENCY TREND</u>		
	Selected	- 1.5%	
(4)	<u>TOTAL ANNUAL NET TREND</u>		
	Net trend = (frequency trend x severity trend) / exposure trend		

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

PRODUCTS  
AVERAGE ANNUAL EXPOSURE TRENDS  
FOR ACCIDENT YEARS ENDING 12/31/2015, 12/31/2016 & 12/31/2017

(1)			(2)			(1)			(2)		
YEAR ENDING			PRODUCTS			YEAR ENDING			PRODUCTS		
<u>QUARTER*</u>			CLASS GROUP			<u>QUARTER*</u>			CLASS GROUP		
			SALES EXPOSURE						SALES EXPOSURE		
			<u>INDICES</u>						<u>INDICES</u>		
2007	1		0.955			2014	1		1.012		
	2		0.959				2		1.016		
	3		0.961				3		1.020		
	4		0.963				4		1.022		
2008	1		0.962			2015	1		1.025		
	2		0.958				2		1.027		
	3		0.956				3		1.029		
	4		0.957				4		1.031		
2009	1		0.961			2016	1		1.031		
	2		0.966				2		1.032		
	3		0.969				3		1.031		
	4		0.968				4		1.032		
2010	1		0.964			2017	1		1.035		
	2		0.962				2		1.036		
	3		0.962				3		1.039		
	4		0.965				4		1.042		
2011	1		0.968			2018	1		1.044		
	2		0.973				2		1.049		
	3		0.978				3P		1.054		
	4		0.982				4P		1.060		
2012	1		0.986			2019	1P		1.067		
	2		0.990				2P		1.075		
	3		0.995				3P		1.084		
	4		1.000				4P		1.093		
2013	1		1.004			2020	1P		1.100		
	2		1.006				2P		1.105		
	3		1.008				3P		1.109		
	4		1.010				4P		1.112		

CHANGE IN EXPOSURES		PRODUCTS
7/1/2015 to 7/1/2020	(2020:4/2015:4)	1.079
7/1/2016 to 7/1/2020	(2020:4/2016:4)	1.078
7/1/2017 to 7/1/2020	(2020:4/2017:4)	1.068

AVERAGE ANNUAL TREND FACTOR		
7/1/2015 to 7/1/2020	( 5.0 YRS )	1.015
7/1/2016 to 7/1/2020	( 4.0 YRS )	1.019
7/1/2017 to 7/1/2020	( 3.0 YRS )	1.022

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

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OCCURRENCE SEVERITY TREND  
MULTISTATE  
PRODUCTS

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

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Paid <u>Occurrences</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2008	\$38,766,634	1,198	\$32,359	\$26,611		
12/31/2009	30,614,320	1,245	24,590	27,739		
12/31/2010	31,457,799	1,180	26,659	28,916	\$27,400	
12/31/2011	27,862,749	1,094	25,469	30,142	28,927	
12/31/2012	38,000,817	1,023	37,146	31,420	30,540	\$33,991
12/31/2013	27,285,494	857	31,838	32,753	32,242	34,738
12/31/2014	24,461,289	666	36,729	34,142	34,039	35,500
12/31/2015	20,654,994	617	33,476	35,590	35,936	36,280
12/31/2016	20,773,372	581	35,755	37,100	37,939	37,077
12/31/2017	19,190,405	467	41,093	38,673	40,053	37,891
Goodness of Fit Statistic, R-Squared:				0.521	0.637	0.210
Average Annual Severity Trend (10 yr)				+ 4.2%		
Average Annual Severity Trend ( 8 yr)				+ 5.6%		
Average Annual Severity Trend ( 6 yr)				+ 2.2%		
Selected Annual Severity Trend				+ 2.5%		

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

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

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2008	\$49,740,303	1,407	\$35,352	\$33,494		
12/31/2009	59,123,988	1,442	41,001	35,437		
12/31/2010	50,888,079	1,515	33,589	37,493	\$33,775	
12/31/2011	43,245,141	1,262	34,267	39,668	36,555	
12/31/2012	53,814,860	1,196	44,996	41,969	39,564	\$41,491
12/31/2013	46,658,825	1,099	42,456	44,404	42,820	44,266
12/31/2014	43,613,705	983	44,368	46,980	46,344	47,227
12/31/2015	41,334,400	896	46,132	49,706	50,159	50,386
12/31/2016	52,645,739	864	60,933	52,590	54,287	53,756
12/31/2017	43,715,916	773	56,554	55,641	58,755	57,351

Goodness of Fit Statistic, R-Squared:                      0.733              0.855              0.671

Average Annual Severity Trend (10 yr)                      + 5.8%

Average Annual Severity Trend ( 8 yr)                      + 8.2%

Average Annual Severity Trend ( 6 yr)                      + 6.7%

Selected Annual Severity Trend                      + 6.5%

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

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

(See Section B - Explanation of Trend Calculation).

# PRODUCTS

## FREQUENCY TREND MULTISTATE

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

### Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at <u>Ultimate</u> <sup>1</sup>	(4) Occurrence Frequency <u>(3)/(2)</u> <sup>2</sup>
12/31/2004	\$ 107,976,215	3,576	33.11
12/31/2005	105,028,944	2,955	28.13
12/31/2006	103,228,129	3,013	29.19
12/31/2007	105,422,178	3,337	31.66
12/31/2008	112,287,020	3,219	28.67
12/31/2009	123,379,953	3,678	29.81
12/31/2010	129,196,347	3,686	28.53
12/31/2011	132,370,073	3,355	25.35
12/31/2012	133,400,484	3,210	24.06
12/31/2013	134,211,810	3,093	23.04
12/31/2014	135,944,006	2,830	20.82
12/31/2015	141,970,713	2,548	17.95
12/31/2016	146,581,441	2,439	16.64
12/31/2017	149,572,365	2,124	14.20

Selected Annual Frequency Trend: - 1.5%

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

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

## CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

### Explanatory Notes

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

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

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

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

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

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

$K$  = The number of classes within the class group.

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

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

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

## CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

### Explanatory Notes (Cont'd)

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

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

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

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

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

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

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

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

Change Factor = (Index) (Class Group Relative Change) (SWRL) (Off balance factor)  
where "SWRL" is the selected multistate monoline loss cost level change.  
The off balance factor of 0.999 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 \* .965 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
10140	277080	1200285	1.88173	.1557	1.061	1.203	1.034	.020	.021	5.0	.020	.021
10141	485039	2225492	1.78861	.2217	1.104	1.252	1.076	.022	.024	9.1	.022	.024
12361	2649951	13037098	.92910	.5736	.921	1.044	.898	.091	.082	-9.9	.091	.082
12373	251235	892179	.39374	.1336	.840	.952	.819	.031	.025	-19.4	.031	.025
13049	228578	1127515	1.26882	.1505	.963	1.092	.939	.058	.054	-6.9	.058	.054
13111	59495	325479	.54753	.0897	.877	.994	.855	.113	.097	-14.2	.113	.097
13112	2326085	11149673	.80361	.5370	.853	.967	.831	.083	.069	-16.9	.083	.069
13621	551255	3053542	.78810	.2680	.877	.994	.855	.420	.360	-14.3	.420	.360
13670	324324	1524424	1.48659	.1777	1.012	1.147	.986	.013	.013	0.0	.013	.013
15223	1096521	5432088	1.09083	.3747	.977	1.108	.953	.035	.033	-5.7	.035	.033
15406	290219	1321061	1.25201	.1640	.966	1.095	.941	.047	.044	-6.4	.047	.044
16604	2009454	10860518	.53516	.5309	.711	.806	.693	.212	.147	-30.7	.212	.147
51300	20458	41813	.00000	.0661	.849	.963	.828	.209	.173	-17.2	.209	.173
51305	23837	66902	.12868	.0682	.856	.971	.835	1.230	1.030	-16.3	1.230	1.030
51315	1036706	4310329	.99691	.3286	.938	1.063	.914	.116	.106	-8.6	.116	.106
51350	241248	1133955	.33810	.1510	.823	.933	.802	.177	.142	-19.8	.177	.142
51351	24974	108356	.20909	.0717	.859	.974	.837	.054	.045	-16.7	.054	.045
51352	131282	551469	.34265	.1077	.848	.961	.826	.138	.114	-17.4	.138	.114
51355	212069	1083277	.47249	.1474	.845	.958	.824	.116	.096	-17.2	.116	.096
51356	70105	312488	.03453	.0887	.832	.943	.811	.850	.690	-18.8	.850	.690
51357	2802	10606	11.51574	.0634	1.582	1.794	1.543	.430	.530	23.3	.430	.530
51358	15330	73740	.38789	.0688	.874	.991	.852	.175	.149	-14.9	.175	.149
51359	93809	292007	.25148	.0870	.852	.966	.831	1.010	.840	-16.8	1.010	.840
51752	819538	3923346	.62310	.3110	.820	.930	.800	.199	.159	-20.1	.199	.159
52002	1634967	7451197	1.29912	.4436	1.082	1.227	1.055	.112	.118	5.4	.112	.118
53001	3165579	15237641	.87192	.6095	.887	1.006	.865	.380	.330	-13.2	.380	.330
53374	9622439	41157614	.84585	.8040	.858	.973	.837	.450	.380	-15.6	.450	.380
53375	2340180	10248105	1.20783	.5173	1.064	1.206	1.037	.244	.250	2.5	.244	.250
53376	584740	2833788	.88764	.2563	.904	1.025	.881	.212	.187	-11.8	.212	.187
53377	3505364	15996522	.73384	.6205	.800	.907	.780	.270	.211	-21.9	.270	.211
53565	320816	1190963	.23398	.1550	.805	.913	.785	.158	.124	-21.5	.158	.124
55371	32349	141590	.00000	.0745	.842	.955	.821	.158	.130	-17.7	.158	.130
56488	79220	286913	.58444	.0866	.881	.999	.859	.039	.034	-12.8	.039	.034
56758	123708	524419	.76607	.1056	.894	1.014	.872	.178	.155	-12.9	.178	.155
56759	1168304	4622030	.62190	.3421	.811	.920	.791	.118	.093	-21.2	.118	.093
56760	2167119	10367531	.80592	.5200	.856	.971	.835	.127	.106	-16.5	.127	.106
57002	270011	1038412	.59556	.1442	.864	.980	.843	.130	.110	-15.4	.130	.110

X-TILDE: .853 X-TILDE (MONOLINE): .882 PI-TILDE: .0038214  
TAU SQUARED: .03000 SIGMA SQUARED: 326330.22905

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

## LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 03

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* .965 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
57651	215022	1071862	.71742	.1466	.881	.999	.859	.050	.043	-14.0	.050	.043
57913	1122464	4964176	.40931	.3563	.731	.829	.713	.430	.310	-27.9	.430	.310
59537	325759	1122981	1.51057	.1502	1.000	1.134	.975	.172	.168	-2.3	.172	.168
59647	72557	281277	.55467	.0861	.879	.997	.857	.205	.176	-14.1	.205	.176
59904	16745	91267	.00000	.0703	.845	.958	.824	.080	.066	-17.5	.080	.066
59905	179655	708029	1.39719	.1198	.968	1.098	.944	.138	.130	-5.8	.138	.130
59925	1163	5480	3.29890	.0630	1.060	1.202	1.033	1.060	1.090	2.8	1.060	1.090
59926	313328	1547932	.69142	.1793	.870	.986	.848	.490	.420	-14.3	.490	.420
59927	95613	217978	1.21263	.0809	.934	1.059	.911	1.710	1.560	-8.8	1.710	1.560
59963	46721	177583	.11708	.0776	.848	.961	.826	.540	.450	-16.7	.540	.450
59964	256320	1126674	1.15214	.1505	.946	1.073	.923	.066	.061	-7.6	.066	.061

X-TILDE: .853      X-TILDE (MONOLINE): .882      PI-TILDE: .0038214  
 TAU SQUARED: .03000      SIGMA SQUARED: 326330.22905

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.023 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	FORMULA CRED. (4)	ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
10010	186671	876721	.40222	.1477	.885	.900	.820	.224	.184	-17.9	.224	.184
10040	1168882	4800185	1.07972	.3655	1.009	1.026	.935	.300	.280	-6.7	.300	.280
10070	1984400	9836293	1.18207	.5222	1.080	1.099	1.002	.141	.141	0.0	.141	.141
10101	416359	2002393	.82093	.2241	.935	.951	.867	.191	.166	-13.1	.191	.166
10111	220796	932165	.60870	.1518	.914	.930	.848	.098	.083	-15.3	.098	.083
10255	2792435	12213379	.89512	.5721	.926	.942	.859	.152	.131	-13.8	.152	.131
10256	10670	58813	1.36733	.0820	1.001	1.018	.928	.158	.147	-7.0	.158	.147
10257	3201594	13619040	.95992	.5970	.963	.980	.893	.187	.167	-10.7	.187	.167
11126	260331	1260867	.61081	.1754	.906	.922	.840	.024	.020	-16.7	.024	.020
11203	8780	44136	.00000	.0808	.890	.905	.825	.650	.540	-16.9	.650	.540
11248	13983	70593	.70405	.0831	.946	.962	.877	.022	.019	-13.6	.022	.019
12391	2096310	9581579	1.00311	.5162	.986	1.003	.914	.100	.091	-9.0	.100	.091
12509	64516	321382	.05957	.1042	.874	.889	.810	.047	.038	-19.1	.047	.038
12651	676706	3087567	.90643	.2858	.951	.967	.881	.560	.490	-12.5	.560	.490
12707	277556	1276383	.51091	.1765	.888	.903	.823	.790	.650	-17.7	.790	.650
12797	1030426	4841810	1.28649	.3672	1.085	1.104	1.006	.168	.169	0.6	.168	.169
13201	23551	118834	.12305	.0872	.895	.910	.829	.201	.167	-16.9	.201	.167
13204	1280899	7681343	1.49790	.4657	1.215	1.236	1.127	1.240	1.400	12.9	1.240	1.400
13205	462505	2009140	1.24194	.2245	1.030	1.048	.955	.450	.430	-4.4	.450	.430
13314	260	1163	.00000	.0770	.894	.909	.829	.020	.017	-15.0	.020	.017
13410	3807522	20254007	1.05928	.6838	1.031	1.049	.956	2.550	2.440	-4.3	2.550	2.440
13412	845697	5913621	.99773	.4084	.980	.997	.909	1.110	1.010	-9.0	1.110	1.010
13590	4088230	17705239	1.06206	.6552	1.030	1.048	.955	.770	.740	-3.9	.770	.740
13715	1808285	9045822	1.22748	.5029	1.099	1.118	1.019	.151	.154	2.0	.151	.154
13930	1036824	4762464	1.35766	.3639	1.110	1.129	1.029	.205	.211	2.9	.205	.211
14068	10271	49633	.00000	.0812	.890	.905	.825	.018	.015	-16.7	.018	.015
14527	389075	1849244	.94769	.2145	.964	.981	.894	.202	.181	-10.4	.202	.181
14855	63703	368206	.06414	.1080	.871	.886	.808	.200	.162	-19.0	.200	.162
16005	482304	2300287	.80004	.2421	.928	.944	.860	.040	.034	-15.0	.040	.034
16009	28877	147139	3.22449	.0896	1.171	1.191	1.086	.073	.079	8.2	.073	.079
16527	5747637	27178318	.91659	.7418	.930	.946	.862	.420	.360	-14.3	.420	.360
16705	298632	1092478	.86405	.1635	.951	.967	.881	.173	.152	-12.1	.173	.152
16750	608811	2090040	.33074	.2295	.822	.836	.762	.041	.031	-24.4	.041	.031
18205	536973	2601941	.77363	.2595	.918	.934	.851	.360	.310	-13.9	.360	.310
18616	2916728	12153250	.93633	.5709	.950	.966	.881	.610	.540	-11.5	.610	.540
18707	13411	62156	4.85099	.0823	1.288	1.310	1.194	.003	.003	0.0	.003	.003
45771	233194	1371074	.37918	.1830	.861	.876	.798	.220	.176	-20.0	.220	.176

U

X-TILDE: .989 X-TILDE (MONOLINE): .983 PI-TILDE: .0048163  
TAU SQUARED: .03000 SIGMA SQUARED: 316645.99419

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 04

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.023 \* .891

CLASS	AYE 2017 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	470712	2663706	.48318	.2629	.841	.856	.780	.060	.047	-21.7	.060	.047
53907	2745971	10688827	.77168	.5414	.862	.877	.799	.139	.111	-20.1	.139	.111

X-TILDE: .989 X-TILDE (MONOLINE): .983 PI-TILDE: .0048163  
 TAU SQUARED: .03000 SIGMA SQUARED: 316645.99419

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

LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 05

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.018 \* .891

CLASS	AYE 2017 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	2387	8760	.33390	.1524	.650	.690	.626	.072	.050	-30.6	.072	.050	L
51575	303354	1481844	.76405	.4255	.731	.776	.704	.028	.020	-28.6	.028	.020	
51576	229149	928392	.92242	.3463	.781	.829	.752	.100	.075	-25.0	.100	.075	
51613	133152	618383	.51134	.2917	.650	.690	.626	.200	.138	-31.0	.200	.138	L
51666	76486	341219	1.27976	.2345	.841	.893	.810	.127	.103	-18.9	.127	.103	
51767	2032	14356	.00000	.1539	.598	.635	.576	.012	.009	-25.0	.012	.009	L
51833	3332	19682	.51926	.1554	.677	.719	.652	.103	.072	-30.1	.103	.072	L
51869	209824	748443	.89241	.3157	.765	.812	.737	.190	.140	-26.3	.190	.140	
51889	1186	6845	.00000	.1519	.599	.636	.577	.020	.014	-30.0	.020	.014	L
51941	1914854	8943586	.96687	.7817	.910	.966	.876	.045	.039	-13.3	.045	.039	
52469	2273394	11370400	1.22338	.8183	1.129	1.199	1.088	.100	.109	9.0	.100	.109	
55647	530086	2439334	.66702	.5249	.686	.728	.660	.080	.056	-30.0	.080	.056	L
55802	35534	168032	.09939	.1938	.589	.625	.567	.013	.009	-30.8	.013	.009	L
56040	975	5279	.00000	.1514	.600	.637	.578	.057	.040	-29.8	.057	.040	L
57257	38541	165954	.92374	.1933	.749	.795	.721	.050	.036	-28.0	.050	.036	
57410	35310	159827	.00000	.1918	.571	.606	.550	.188	.130	-30.9	.188	.130	L
58503	35912	130626	1.32981	.1845	.822	.873	.792	.077	.061	-20.8	.077	.061	
58627	3079	17011	.00000	.1547	.597	.634	.575	.022	.016	-27.3	.022	.016	L
59257	354	3839	.00000	.1511	.600	.637	.578	.021	.015	-28.6	.021	.015	L
59923	3075	74270	.00000	.1699	.586	.622	.564	.007	.005	-28.6	.007	.005	L

X-TILDE: 1.008 X-TILDE (MONOLINE): .942 PI-TILDE: .0072008  
TAU SQUARED: .03000 SIGMA SQUARED: 92725.26603

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

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.007 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
15733	30102	141815	.01013	.0397	.871	.954	.856	.044	.038	-13.6	.044	.038
51001	5001	16432	.00000	.0277	.881	.965	.866	.530	.460	-13.2	.530	.460
51116	654100	3074348	1.51130	.2547	1.060	1.161	1.042	.550	.570	3.6	.550	.570
51240	79630	292035	.23737	.0537	.870	.953	.855	.213	.182	-14.6	.213	.182
51241	450002	2149407	.84338	.1981	.894	.979	.878	.340	.300	-11.8	.340	.300
51330	173006	823954	1.97635	.1001	1.013	1.110	.996	.430	.430	0.0	.430	.430
51370	166411	442996	.00000	.0673	.845	.926	.831	6.020	5.000	-16.9	6.020	5.000
51500	347595	1951060	.80930	.1848	.888	.973	.873	.125	.109	-12.8	.125	.109
51550	17966	78753	.50308	.0337	.893	.978	.877	.410	.360	-12.2	.410	.360
51551	32350	60390	.23840	.0319	.885	.969	.869	1.060	.920	-13.2	1.060	.920
51552	8390	20294	2.71051	.0281	.957	1.048	.940	.169	.159	-5.9	.169	.159
51600	159565	752068	.50701	.0941	.869	.952	.854	.232	.198	-14.7	.232	.198
51734	7155	57185	.00000	.0316	.878	.962	.863	.360	.310	-13.9	.360	.310
51741	146935	747539	1.08282	.0937	.923	1.011	.907	.280	.250	-10.7	.280	.250
51777	149596	756073	1.11774	.0944	.926	1.014	.910	.084	.076	-9.5	.084	.076
51808	166651	738813	1.70537	.0930	.981	1.074	.964	.760	.730	-3.9	.760	.730
51809	25778	108812	.00000	.0365	.873	.956	.858	.184	.158	-14.1	.184	.158
51877	113859	524131	.32562	.0745	.863	.945	.848	.260	.220	-15.4	.260	.220
51896	866284	4201576	.82407	.3138	.881	.965	.866	.023	.020	-13.0	.023	.020
51900	12541	70711	.80574	.0329	.903	.989	.887	.105	.093	-11.4	.105	.093
51909	159	1280	.00000	.0262	.883	.967	.868	.066	.057	-13.6	.066	.057
51926	345792	1647885	.49820	.1636	.840	.920	.825	.049	.040	-18.4	.049	.040
51927	487801	1886265	1.02147	.1804	.927	1.015	.911	.126	.115	-8.7	.126	.115
51934	242444	869481	.01392	.1038	.814	.892	.800	.178	.142	-20.2	.178	.142
51956	2044412	9223661	.75970	.4929	.834	.913	.819	.300	.246	-18.0	.300	.246
51957	1307227	6545100	1.07992	.4109	.978	1.071	.961	.420	.400	-4.8	.420	.400
51960	5537	43820	.00000	.0303	.879	.963	.864	.420	.360	-14.3	.420	.360
51982	12070	70126	.00000	.0329	.877	.961	.862	.099	.085	-14.1	.099	.085
51986	73583	407354	.04493	.0641	.851	.932	.836	.128	.107	-16.4	.128	.107
51999	194239	843446	.47907	.1017	.863	.945	.848	.540	.460	-14.8	.540	.460
52075	50840	243620	.51476	.0492	.887	.972	.872	.290	.250	-13.8	.290	.250
52134	2417494	12399003	.98864	.5647	.953	1.044	.937	.750	.700	-6.7	.750	.700
52315	493163	2248127	.89360	.2045	.904	.990	.888	.270	.240	-11.1	.270	.240
52505	57933	310808	1.17414	.0554	.921	1.009	.905	.224	.203	-9.4	.224	.203
52547	263366	1290168	1.30659	.1372	.961	1.053	.945	.093	.088	-5.4	.093	.088
52911	1726759	6479186	.58286	.4085	.774	.848	.761	.680	.520	-23.5	.680	.520
52967	39604	145073	.36768	.0400	.885	.969	.869	.074	.064	-13.5	.074	.064

X-TILDE: .918 X-TILDE (MONOLINE): .913 PI-TILDE: .0016763  
TAU SQUARED: .03000 SIGMA SQUARED: 300617.20672

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.007 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	FORMULA CRED. (4)	ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
53121	47011	317984	.09205	.0560	.861	.943	.846	.540	.460	-14.8	.540	.460
53333	78801	377555	.96751	.0614	.910	.997	.895	.238	.213	-10.5	.238	.213
53631	262	1828	.00000	.0263	.882	.966	.867	.025	.022	-12.0	.025	.022
53632	1559	8497	.00000	.0269	.882	.966	.867	.040	.035	-12.5	.040	.035
53732	1990770	9291892	.63513	.4947	.772	.846	.759	.600	.460	-23.3	.600	.460
53733	4195922	18204635	1.06373	.6542	1.009	1.105	.991	.260	.260	0.0	.260	.260
54077	664106	3672575	1.09127	.2873	.959	1.050	.942	.390	.370	-5.1	.390	.370
55010	127608	609972	.73970	.0820	.893	.978	.877	1.250	1.100	-12.0	1.250	1.100
55011	341049	1803620	2.16671	.1746	1.126	1.233	1.106	1.140	1.260	10.5	1.140	1.260
55012	50559	198033	.78321	.0450	.901	.987	.886	1.320	1.170	-11.4	1.320	1.170
55013	380346	1533483	1.26779	.1553	.962	1.054	.946	1.050	.990	-5.7	1.050	.990
55214	1277	5926	.00000	.0267	.882	.966	.867	.103	.089	-13.6	.103	.089
55715	60093	180904	.29984	.0434	.880	.964	.865	.270	.234	-13.3	.270	.234
55716	32925	179438	.73054	.0432	.899	.985	.884	.590	.520	-11.9	.590	.520
56202	176585	1754802	.30618	.1712	.804	.881	.790	.126	.100	-20.6	.126	.100
56390	270501	927449	2.11931	.1086	1.038	1.137	1.020	.620	.630	1.6	.620	.630
56391	885637	4769054	.86372	.3401	.892	.977	.877	.360	.320	-11.1	.360	.320
56427	16128	100837	.00000	.0358	.874	.957	.859	.146	.125	-14.4	.146	.125
56690	5203	18822	.00000	.0279	.881	.965	.866	.420	.360	-14.3	.420	.360
56699	156289	741848	2.17126	.0932	1.024	1.122	1.007	.051	.051	0.0	.051	.051
56916	698432	3071590	1.15804	.2546	.970	1.062	.953	.196	.187	-4.6	.196	.187
57090	167037	587858	.89559	.0801	.905	.991	.889	.710	.630	-11.3	.710	.630
57401	10587	42361	.00000	.0302	.879	.963	.864	.113	.098	-13.3	.113	.098
57403	522	4309	.00000	.0265	.882	.966	.867	.041	.036	-12.2	.041	.036
57572	77872	463124	.70231	.0691	.892	.977	.877	.107	.094	-12.1	.107	.094
57600	62895	232237	.00003	.0481	.863	.945	.848	.039	.033	-15.4	.039	.033
57611	82703	381053	.36747	.0618	.873	.956	.858	.075	.064	-14.7	.075	.064
57690	388961	1647299	.34622	.1636	.815	.893	.801	.640	.510	-20.3	.640	.510
57716	274379	1590627	.47094	.1595	.837	.917	.823	.106	.087	-17.9	.106	.087
57725	1005208	4033138	1.14708	.3056	.980	1.073	.963	.094	.091	-3.2	.094	.091
57726	53078	300539	2.84037	.0544	1.012	1.108	.994	.019	.019	0.0	.019	.019
57810	4715	24328	.00000	.0284	.881	.965	.866	.126	.109	-13.5	.126	.109
57871	31999	228943	1.45244	.0478	.932	1.021	.916	.127	.116	-8.7	.127	.116
57998	37062	159972	.56205	.0414	.892	.977	.877	.067	.059	-11.9	.067	.059
57999	7395	41067	.31656	.0301	.889	.974	.874	.081	.071	-12.3	.081	.071
58095	1717108	7398207	1.02101	.4397	.957	1.048	.940	1.950	1.830	-6.2	1.950	1.830
58096	1633586	6051184	1.13838	.3928	.997	1.092	.980	1.060	1.040	-1.9	1.060	1.040

X-TILDE: .918 X-TILDE (MONOLINE): .913 PI-TILDE: .0016763  
 TAU SQUARED: .03000 SIGMA SQUARED: 300617.20672

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.007 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
58301	71203	263259	2.09590	.0510	.967	1.059	.950	.086	.082	-4.7	.086	.082
58302	63805	284229	.22409	.0529	.870	.953	.855	.064	.055	-14.1	.064	.055
58397	1452198	6220733	.82818	.3991	.875	.958	.860	.970	.830	-14.4	.970	.830
58575	14498	103733	.00000	.0361	.874	.957	.859	.143	.123	-14.0	.143	.123
58663	1759173	7170994	.81443	.4323	.867	.950	.852	1.870	1.590	-15.0	1.870	1.590
58802	40759	228272	1.07646	.0478	.914	1.001	.898	.500	.450	-10.0	.500	.450
58837	6234	42670	13.27736	.0302	1.280	1.402	1.258	.132	.165	25.0	.132	.165
58840	4093	11612	.00000	.0272	.882	.966	.867	.128	.111	-13.3	.128	.111
58873	223863	1095639	.95135	.1221	.912	.999	.896	.034	.030	-11.8	.034	.030
58904	15350	64641	.00000	.0323	.877	.961	.862	.152	.131	-13.8	.152	.131
58922	1432852	7000122	.63429	.4266	.790	.865	.776	.241	.187	-22.4	.241	.187
59005	241366	1353772	.87863	.1420	.902	.988	.886	.108	.096	-11.1	.108	.096
59188	171	896	.00000	.0262	.883	.967	.868	.065	.056	-13.8	.065	.056
59189	2823	16175	.00000	.0277	.881	.965	.866	.350	.300	-14.3	.350	.300
59223	126681	785433	.86019	.0969	.902	.988	.886	.087	.077	-11.5	.087	.077
59378	0	101	.00000	.0261	.883	.967	.868	.175	.152	-13.1	.175	.152
59481	95429	395932	.51416	.0631	.882	.966	.867	.101	.088	-12.9	.101	.088
59701	14087	58980	6.79945	.0318	1.094	1.198	1.075	.227	.244	7.5	.227	.244
59713	387734	1685691	.91917	.1663	.908	.995	.893	.370	.330	-10.8	.370	.330
59722	69355	332015	.89980	.0573	.906	.992	.890	.036	.032	-11.1	.036	.032
59723	16203	185706	.51016	.0438	.889	.974	.874	.044	.038	-13.6	.044	.038
59726	149553	818660	1.41792	.0996	.957	1.048	.940	.026	.024	-7.7	.026	.024
59738	15771	106105	.00000	.0363	.873	.956	.858	.077	.066	-14.3	.077	.066
59773	1	837	.00000	.0262	.883	.967	.868	.032	.028	-12.5	.032	.028
59774	45	949	.00000	.0262	.883	.967	.868	.175	.152	-13.1	.175	.152
59775	0	0	.00000	.0000	.000	.000	.000	.211	.189	-10.4	.211	.189
59798	724077	3412782	.79154	.2735	.875	.958	.860	.530	.460	-13.2	.530	.460
59886	27643	151228	.00000	.0406	.870	.953	.855	.131	.112	-14.5	.131	.112
59889	16268	109142	1.32307	.0366	.922	1.010	.906	.169	.153	-9.5	.169	.153
59914	924446	4175393	.90282	.3125	.905	.991	.889	.700	.620	-11.4	.700	.620
59915	237024	792257	.85844	.0974	.902	.988	.886	.880	.780	-11.4	.880	.780
59917	58897	360272	2.90047	.0599	1.026	1.124	1.008	.164	.165	0.6	.164	.165
59931	235023	959517	.57049	.1112	.869	.952	.854	.690	.590	-14.5	.690	.590
59932	69478	317869	.00000	.0560	.856	.938	.842	1.110	.930	-16.2	1.110	.930
59947	12418	137520	.00000	.0393	.871	.954	.856	.390	.330	-15.4	.390	.330
59955	26258	100923	.00000	.0358	.874	.957	.859	.171	.147	-14.0	.171	.147
59970	23547	111267	.00000	.0368	.873	.956	.858	.212	.182	-14.2	.212	.182

X-TILDE: .918 X-TILDE (MONOLINE): .913 PI-TILDE: .0016763  
TAU SQUARED: .03000 SIGMA SQUARED: 300617.20672

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LOSS COST % CHANGE BY CLASS

SUBLINE: PRODUCTS

CLASS GROUP: 06

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.007 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
59975	660392	2924489	1.45607	.2461	1.042	1.141	1.024	.237	.243	2.5	.237	.243
59984	25587	142572	.00000	.0397	.870	.953	.855	.064	.055	-14.1	.064	.055
59988	1632	17205	.00000	.0278	.881	.965	.866	.069	.060	-13.0	.069	.060
59989	9	36	.00000	.0261	.883	.967	.868	.052	.045	-13.5	.052	.045

X-TILDE: .918 X-TILDE (MONOLINE): .913 PI-TILDE: .0016763  
 TAU SQUARED: .03000 SIGMA SQUARED: 300617.20672

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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 \* 1.006 \* .891

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	PRESENT MULTI- STATE OCCUR (8)	PROPOSED MULTI- STATE OCCUR (9)	STATE- WIDE % CHANGE (10)	PRESENT STATEWIDE OCCUR (11)	PROPOSED STATEWIDE OCCUR (12)
49239	94928	583436	.58439	.1760	.770	.878	.787	.830	.650	-21.7	.830	.650
50010	70367	359762	.02628	.1473	.694	.791	.709	.820	.580	-29.3	.820	.580
51205	2098	8731	.00000	.0981	.730	.832	.746	.111	.083	-25.2	.111	.083
51206	13578	36027	.00000	.1021	.727	.829	.743	.610	.450	-26.2	.610	.450
51220	99574	514355	.61834	.1673	.778	.887	.795	3.250	2.580	-20.6	3.250	2.580
51221	835100	3380235	.73979	.4198	.780	.889	.797	2.440	1.940	-20.5	2.440	1.940
51222	227717	1122335	1.20056	.2377	.903	1.030	.923	3.380	3.120	-7.7	3.380	3.120
51224	963695	4140046	1.42301	.4630	1.094	1.247	1.118	1.190	1.330	11.8	1.190	1.330
51230	0	0	.00000	.0000	.000	.000	.000	.880	.790	-10.2	.880	.790
51252	2008606	9078986	.94712	.6380	.897	1.023	.917	.110	.101	-8.2	.110	.101
51254	5421	17596	.00000	.0994	.729	.831	.745	.060	.045	-25.0	.060	.045
51333	160711	553744	1.21772	.1723	.880	1.003	.899	.340	.310	-8.8	.340	.310
51958	296443	1404441	1.42193	.2665	.973	1.109	.994	.390	.390	0.0	.390	.390
51970	812320	3978535	1.20056	.4543	.987	1.125	1.008	.250	.250	0.0	.250	.250
52433	89169	418852	.77411	.1551	.804	.917	.822	1.460	1.200	-17.8	1.460	1.200
52581	302749	2323760	.28578	.3468	.628	.716	.642	5.330	3.680	-31.0	5.330	3.680
52744	1855	19719	.00000	.0997	.729	.831	.745	.126	.094	-25.4	.126	.094
53077	229859	1734068	.70142	.2974	.778	.887	.795	.248	.197	-20.6	.248	.197
55597	0	0	.00000	.0000	.000	.000	.000	1.990	1.780	-10.6	1.990	1.780
55918	322	35672	.00000	.1020	.727	.829	.743	4.300	3.190	-25.8	4.300	3.190
55919	0	5	.00000	.0968	.731	.834	.748	4.860	3.640	-25.1	4.860	3.640
56912	1022646	5028719	.75884	.5060	.784	.894	.801	.105	.084	-20.0	.105	.084
57146	401742	1696506	1.11325	.2940	.899	1.025	.919	.730	.670	-8.2	.730	.670
58737	71597	376995	.21960	.1496	.721	.822	.737	1.010	.740	-26.7	1.010	.740
59601	181243	531136	.41218	.1694	.742	.846	.758	3.050	2.310	-24.3	3.050	2.310
59660	486449	2817450	1.10973	.3831	.925	1.055	.946	1.200	1.140	-5.0	1.200	1.140
59724	62315	197433	.00000	.1252	.708	.807	.723	.031	.022	-29.0	.031	.022
59725	550033	2590483	1.30754	.3669	.992	1.131	1.014	.103	.104	1.0	.103	.104
59750	8872	44519	1.08311	.1033	.838	.956	.857	.280	.240	-14.3	.280	.240
59781	595605	2969773	.89243	.3935	.842	.960	.860	.088	.076	-13.6	.088	.076
59782	472863	2256746	.45848	.3415	.690	.787	.705	.690	.490	-29.0	.690	.490

L

X-TILDE: .930 X-TILDE (MONOLINE): .877 PI-TILDE: .0059437  
TAU SQUARED: .03000 SIGMA SQUARED: 182148.78409

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

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

TYPE OF POLICY	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL	EXPOSURE DEVELOPMENT FACTOR+	EXPOSURE TREND#	AVERAGE IPMF*	TRENDED \$100,000 BASIC LIMIT AGGREGATE LOSS COSTS AT CURRENT LEVEL
MONOLINE	12/31/2015	\$76,248,621	1.000	1.142		\$87,075,925
	12/31/2016	84,807,338	0.999	1.111		94,126,732
	12/31/2017	89,976,400	1.021	1.083		99,490,774
MULTILINE	12/31/2015	\$172,689,674	1.000	1.141	0.973	\$191,718,867
	12/31/2016	184,418,403	0.999	1.113	0.975	199,926,114
	12/31/2017	191,042,121	1.021	1.085	0.979	207,189,291
TOTAL	12/31/2015					\$278,794,792
	12/31/2016					294,052,846
	12/31/2017					306,680,065

+ 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 7/1/2019 by an exponential projection of the average annual exposure trend factor. The derivation of this exposure trend factor is shown in Section G - Average Annual Exposure Trends.

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

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000 BASIC LIMIT LOSSES AND ALAE*	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	12/31/2015	\$19,923,128		1.082		1.085		1.131		0.975		\$25,781,745
		12/31/2016	15,500,413		1.428		1.085		1.104		0.980		25,980,528
		12/31/2017	10,552,828		2.590		1.085		1.077		0.985		31,462,316
BI	ALAE	12/31/2015	\$18,999,833				1.085		1.131		0.975		\$22,732,476
		12/31/2016	18,988,596				1.085		1.104		0.980		22,290,394
		12/31/2017	32,454,421				1.085		1.077		0.985		37,355,585
PD	B/L INDEMNITY	12/31/2015	\$60,441,200		1.257		1.085		1.246		0.975		\$100,110,444
		12/31/2016	57,075,501		1.339		1.085		1.193		0.980		96,927,466
		12/31/2017	49,132,118		1.554		1.085		1.141		0.985		93,108,421
PD	ALAE	12/31/2015	\$69,086,099				1.085		1.246		0.975		\$91,063,233
		12/31/2016	67,880,568				1.085		1.193		0.980		86,107,648
		12/31/2017	63,216,745				1.085		1.141		0.985		77,087,461
	TOTAL												
	FULL COVERAGE	12/31/2015											\$239,687,899
		12/31/2016											231,306,035
		12/31/2017											239,013,783

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

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

REPORT TYPE	LOSS DESCRIPTION	ACCIDENT YEAR ENDING	\$100,000	X	BASIC LIMIT DEVELOPMENT FACTOR#	X	UNALLOCATED LOSS ADJ. FACTOR	X	SEVERITY TREND	X	FREQUENCY TREND	=	\$100,000
			BAISC LIMIT LOSSES AND ALAE*										BASIC LIMIT DEVELOPED & TRENDED LOSS AND LAE
BI	B/L INDEMNITY	12/31/2015	\$2,813,675		1.118		1.085		1.131		0.975		\$3,765,092
		12/31/2016	2,981,362		1.386		1.085		1.104		0.980		4,850,056
		12/31/2017	831,584		2.153		1.085		1.077		0.985		2,061,015
BI	ALAE	12/31/2015	\$2,526,316				1.085		1.131		0.975		\$3,022,628
		12/31/2016	5,397,366				1.085		1.104		0.980		6,335,877
		12/31/2017	2,654,724				1.085		1.077		0.985		3,055,632
PD	B/L INDEMNITY	12/31/2015	\$19,589,174		1.444		1.085		1.246		0.975		\$37,278,273
		12/31/2016	17,323,546		1.570		1.085		1.193		0.980		34,500,114
		12/31/2017	13,732,834		1.873		1.085		1.141		0.985		31,366,490
PD	ALAE	12/31/2015	\$23,695,062				1.085		1.246		0.975		\$31,232,751
		12/31/2016	24,269,164				1.085		1.193		0.980		30,785,845
		12/31/2017	20,374,166				1.085		1.141		0.985		24,844,568
	TOTAL DED COVERAGE	12/31/2015											\$75,298,744
		12/31/2016											76,471,892
		12/31/2017											61,327,705
	TOTAL OCCURRENCE	12/31/2015											\$314,986,643
		12/31/2016											307,777,927
		12/31/2017											300,341,488

\* 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.

RHODE ISLAND

Local Products/Completed Operations  
Subline Code 336  
Combined Single Limit

Implicit Package Modification Factors (A) by Type of Policy

Type of Policy (B) -----	Description -----	Implicit Package Modification Factors -----
31	Not Applicable	--
32	Not Applicable	--
33	Not Applicable	--
34	Mercantile Policy	0.679
35	Not Applicable	--
36	Service Policy	0.818
37	Industrial/Processing Policy	0.618
38	Contractors Policy	0.822

(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.

RHODE ISLAND

LOCAL PRODUCTS/COMPLETED OPERATIONS

FULL & DEDUCTIBLE COMBINED  
TOTAL LIMITS PREMIUM

CALCULATION OF EXPOSURE DEVELOPMENT FACTORS

(1) Evaluation Period	(2) Multistate Ratio (a)	(3) State Ratio (b)	(4) <u>Credibility (c)</u>	(5) Weighted Ratio (d)	(6) Credibility Constant(Ki)
15 to 27 Months	1.022	1.005	0.5817	1.012	6,000,000
27 to 39 Months	1.000	0.998	0.3156	0.999	17,000,000
Accident Year Ending	Exposure Development From				Factor
	<u>27:15</u>	<u>39:27</u>	<u>ULT:39</u>		
12/31/2015			1.000		1.000
12/31/2016		0.999	1.000		0.999
12/31/2017	1.012	0.999	1.000		1.011

(a) See Section G - Multistate Premium Development.

(b) See Section G - Statewide Premium Development.

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

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



RHODE ISLAND  
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2010	2,060,069	2,019,743	2,018,154	2,018,154	2,016,692	2,016,692	2,016,692	2,016,692
12/31/2011	2,060,608	2,071,249	2,069,525	2,067,735	2,067,735	2,067,735	2,067,735	
12/31/2012	2,232,160	2,234,527	2,223,817	2,223,827	2,223,827	2,223,827		
12/31/2013	2,459,130	2,459,174	2,453,959	2,454,664	2,454,660			
12/31/2014	2,584,364	2,629,972	2,622,759	2,622,811				
12/31/2015	2,711,594	2,749,740	2,745,240					
12/31/2016	3,046,643	3,015,458						
12/31/2017	3,046,481							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2010	0.980	0.999	1.000	0.999	1.000	1.000	1.000
12/31/2011	1.005	0.999	0.999	1.000	1.000	1.000	
12/31/2012	1.001	0.995	1.000	1.000	1.000		
12/31/2013	1.000	0.998	1.000	1.000			
12/31/2014	1.018	0.997	1.000				
12/31/2015	1.014	0.998					
12/31/2016	0.990						
12/31/2017							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.005	0.998

MULTISTATE  
LOCAL PRODUCTS/COMPLETED OPERATIONS

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

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>
12/31/2010	416,539,944	416,896,872	417,055,870	417,047,659	417,034,920	417,019,169	417,019,378	417,018,953
12/31/2011	425,930,027	434,235,963	434,335,946	434,319,554	434,279,591	434,292,316	434,292,240	
12/31/2012	466,092,326	477,638,925	477,700,364	477,346,559	477,376,096	477,374,201		
12/31/2013	530,241,848	541,430,451	540,656,091	540,607,061	540,632,224			
12/31/2014	585,953,801	599,802,001	599,399,858	599,504,123				
12/31/2015	619,097,767	631,797,472	631,518,230					
12/31/2016	644,821,189	658,002,698						
12/31/2017	664,941,932							

LINK RATIOS

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>
12/31/2010	1.001	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2011	1.020	1.000	1.000	1.000	1.000	1.000	
12/31/2012	1.025	1.000	0.999	1.000	1.000		
12/31/2013	1.021	0.999	1.000	1.000			
12/31/2014	1.024	0.999	1.000				
12/31/2015	1.021	1.000					
12/31/2016	1.020						
12/31/2017							

Average Best 3 of 5

<u>27:15</u>	<u>39:27</u>
1.022	1.000

LOCAL PRODUCTS/COMPLETED OPERATIONS LOSS DEVELOPMENT DATA  
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LOCAL PRODUCTS

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RHODE ISLAND

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 (K <sub>i</sub> )
15 to 27 Months	1.981	1.324	0.0133	1.972	440,000
27 to 39 Months	1.476	3.198	0.0635	1.585	450,000
39 to 51 Months	1.095	1.073	0.2076	1.090	470,000
51 to 63 Months	1.018	1.000	0.3660	1.011	480,000
63 to 75 Months	1.008	1.010	0.4350	1.009	510,000
75 to 87 Months	0.977	1.003	0.5407	0.991	530,000
87 to 99 Months	1.002	1.000	0.6072	1.001	560,000
99 to 111 Months	0.997	1.000	0.5170	0.999	580,000
111 to 123 Months	0.998	1.000	0.3780	0.999	600,000
123 to 135 Months	1.000	1.000	0.1526	1.000	630,000
135 to 147 Months	0.999	1.000	0.1783	0.999	650,000
147 to 159 Months	1.001	1.000	0.2678	1.001	680,000
159 to 171 Months	1.001	1.000	0.2071	1.001	710,000
171 to 183 Months	1.001	1.000	0.1905	1.001	740,000
183 to 195 Months	1.000	1.000	0.1773	1.000	780,000
195 to 207 Months	1.000	1.000	0.1303	1.000	810,000
207 to 219 Months	1.000	1.000	0.1182	1.000	850,000
219 to 231 Months	1.000	1.000	0.0219	1.000	890,000
231 to 243 Months	1.000	1.000	0.0159	1.000	920,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
12/31/2015			1.090	1.011	1.009	0.991	1.001	0.999	0.999	1.000	0.999	
12/31/2016		1.585	1.090	1.011	1.009	0.991	1.001	0.999	0.999	1.000	0.999	
12/31/2017	1.972	1.585	1.090	1.011	1.009	0.991	1.001	0.999	0.999	1.000	0.999	

	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243	Factor
12/31/2015	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.103
12/31/2016	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.748
12/31/2017	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	3.448

(A) See Section G - Multistate Loss Development.

(B) See Section G - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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

RHODE ISLAND

Completed Operations  
Bodily Injury  
Full Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.0628
27 to 39 Months	0.1237
39 to 51 Months	0.1146
51 to 63 Months	0.0926
63 to 75 Months	0.0520
75 to 87 Months	0.0201
87 to 99 Months	0.0124
99 to 111 Months	0.0109
111 to 123 Months	0.0062
123 to 135 Months	0.0036
135 to 147 Months	0.0051
147 to 159 Months	0.0027
159 to 171 Months	0.0013
171 to Ultimate	A multistate link ratio factor of 1.011 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.508	0.445	0.321	0.207	0.114	0.062	0.042
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.030	0.019	0.013	0.009	0.004	0.001	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	0	54,137	0.321	17,378	17,378	1.011	17,568
12/31/2016	0	3,977	0.445	1,770	1,770	1.011	1,789
12/31/2017	0	300,319	0.508	152,562	152,562	1.011	154,239

(A) See Section G - Multistate Loss Development.

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

RHODE ISLAND

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	1.151	1.160	0.2492	1.153	1,400,000
27 to 39 Months	1.062	0.929	0.3931	1.010	1,400,000
39 to 51 Months	1.035	1.052	0.4101	1.042	1,500,000
51 to 63 Months	1.034	1.031	0.4365	1.033	1,600,000
63 to 75 Months	1.024	1.049	0.4230	1.035	1,600,000
75 to 87 Months	1.020	1.000	0.4972	1.010	1,700,000
87 to 99 Months	1.024	1.014	0.5144	1.019	1,800,000
99 to 111 Months	1.042	1.000	0.5193	1.020	1,900,000
111 to 123 Months	1.018	1.011	0.4740	1.015	2,000,000
123 to 135 Months	1.025	1.000	0.4134	1.015	2,100,000
135 to 147 Months	1.008	1.000	0.3840	1.005	2,200,000
147 to 159 Months	1.005	1.000	0.2519	1.004	2,300,000
159 to 171 Months	1.001	1.000	0.2129	1.001	2,400,000
171 to 183 Months	1.003	1.000	0.1462	1.003	2,500,000
183 to 195 Months	1.001	1.000	0.1602	1.001	2,700,000
195 to 207 Months	1.000	1.000	0.1386	1.000	2,800,000
207 to 219 Months	1.000	1.000	0.1499	1.000	2,900,000
219 to 231 Months	1.000	1.000	0.0841	1.000	3,100,000
231 to 243 Months	1.000	1.000	0.0562	1.000	3,200,000
243 to ULTIMATE	The Multistate ratio has been used.				

Accident Year Ending	27:15	Loss Development From				75:63	87:75	99:87	111:99	123:111	135:123	147:135
		39:27	51:39	63:51								
12/31/2015			1.042	1.033	1.035	1.010	1.019	1.020	1.015	1.015	1.005	
12/31/2016		1.010	1.042	1.033	1.035	1.010	1.019	1.020	1.015	1.015	1.005	
12/31/2017	1.153	1.010	1.042	1.033	1.035	1.010	1.019	1.020	1.015	1.015	1.005	
		159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231	ULT:243		Factor
12/31/2015	1.004	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.222
12/31/2016	1.004	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.234
12/31/2017	1.004	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000	1.000		1.423

(A) See Section G - Multistate Loss Development.

(B) See Section G - Statewide Loss Development.

(C) Credibility is based upon the statewide losses for each evaluation period.

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

RHODE ISLAND

Completed Operations  
Property Damage  
Full Coverage  
ALAE

Calculation of Cumulative Incremental Factors

(1)	(2)
EVALUATION PERIOD	MULTISTATE RATIO (A)
15 to 27 Months	0.0685
27 to 39 Months	0.0746
39 to 51 Months	0.0796
51 to 63 Months	0.0645
63 to 75 Months	0.0468
75 to 87 Months	0.0373
87 to 99 Months	0.0351
99 to 111 Months	0.0438
111 to 123 Months	0.0403
123 to 135 Months	0.0302
135 to 147 Months	0.0227
147 to 159 Months	0.0150
159 to 171 Months	0.0059
171 to Ultimate	A multistate link ratio factor of 1.029 has been used.

Cumulative Incremental Factors							
<u>Months-to-Ultimate</u>	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.564	0.496	0.421	0.342	0.277	0.230	0.193
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.158	0.114	0.074	0.044	0.021	0.006	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	88,080	557,138	0.421	234,556	322,636	1.029	331,986
12/31/2016	81,566	159,886	0.496	79,304	160,870	1.029	165,528
12/31/2017	3,369	270,392	0.564	152,501	155,870	1.029	160,387

(A) See Section G - Multistate Loss Development.

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

COMPLETED OPERATIONS (Subline Code 336)  
FULL COVERAGE  
RHODE ISLAND  
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
12/31/1998	17,500	14,909	14,909	14,909	14,909	14,909	14,909	14,909	14,909	14,909	14,909
12/31/1999											
12/31/2000	4,042	4,042	4,042	4,042	4,042	4,042	4,042	4,042	4,042	17,441	19,042
12/31/2001	4,349	4,349	4,349	9,349	21,849	21,849	22,349	22,349	22,349	22,349	22,349
12/31/2002	6,750	81,750	106,750	106,750	106,750	41,750	41,750	41,750	41,750	41,750	41,750
12/31/2003	36,433	132,144	130,889	127,389	99,889	110,039	110,039	110,039	110,039	110,039	110,039
12/31/2004	30,620	29,620	74,620	33,620	33,620	33,620	33,620	33,620	33,620	33,620	33,620
12/31/2005		20,000	100,000	100,000	100,001	105,001	105,000	105,000	105,000	105,000	105,000
12/31/2006		11,000	4,470	4,471	4,971	104,470	2,470	2,470	2,470	2,470	2,470
12/31/2007	3,008	19,000	20,500	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
12/31/2008	44,050	50,000	69,500	119,500	177,000	353,661	383,661	369,911	356,161	311,161	
12/31/2009	90,508	87,000	118,400	280,400	265,400	242,944	244,944	244,944	244,944		
12/31/2010	37,500	160,789	247,000	237,000	237,000	237,000	237,000	237,000			
12/31/2011	11,000	34,008	134,000	129,000	129,000	144,000	144,000				
12/31/2012	23,000	30,000	25,600	25,600	26,600	22,100					
12/31/2013	13,514	22,522	97,514	122,514	122,514						
12/31/2014											
12/31/2015	4,000	8,000	43,000								
12/31/2016	1,911	1,911									
12/31/2017	70,250										
A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months		
12/31/1998	14,909	14,909	14,909	14,909	14,909	14,909	19,909	14,909	14,909		
12/31/1999											
12/31/2000	19,042	69,042	69,042	104,042	99,042	99,042	99,042				
12/31/2001	22,349	22,349	22,349	22,349	22,349	22,349					
12/31/2002	41,750	41,750	41,750	41,750	41,750						
12/31/2003	110,039	110,039	110,039	110,039							
12/31/2004	33,620	33,620	33,620								
12/31/2005	105,000	105,000									
12/31/2006	2,470										



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

<u>A.Y.E.</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123:111</u>	<u>135:123</u>	<u>147:135</u>
12/31/1998	0.852	1.000	1.000	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	4.315	1.092	1.000
12/31/2001	1.000	1.000	2.150	2.337	1.000	1.023	1.000	1.000	1.000	1.000	1.000
12/31/2002	12.111	1.306	1.000	1.000	0.391	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	3.627	0.991	0.973	0.784	1.102	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2004	0.967	2.519	0.451	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005		5.000	1.000	1.000	1.050	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2006		0.406	1.000	1.112	21.016	0.024	1.000	1.000	1.000	1.000	1.000
12/31/2007	6.316	1.079	0.293	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
12/31/2008	1.135	1.390	1.719	1.481	1.998	1.085	0.964	0.963	0.874		
12/31/2009	0.961	1.361	2.368	0.947	0.915	1.008	1.000	1.000			
12/31/2010	4.288	1.536	0.960	1.000	1.000	1.000	1.000				
12/31/2011	3.092	3.940	0.963	1.000	1.116	1.000					
12/31/2012	1.304	0.853	1.000	1.039	0.831						
12/31/2013	1.667	4.330	1.256	1.000							
12/31/2014	1.000 *	1.324 *	3.198 *								
12/31/2015	2.000	5.375									
12/31/2016	1.000										

3 Yr Mean	1.500 @	4.853 @	1.128 @	1.013	0.982	1.003	0.988	0.988	0.958	1.000	1.000
Best 3/5	1.324 *	3.198 *	1.073 *	1.000	1.010	1.003	1.000	1.000	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>159:147</u>	<u>171:159</u>	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.335	0.749	1.000			
12/31/1999			1.000 *	1.000 *	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2000	3.626	1.000	1.507	0.952	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								
12/31/2004	1.000	1.000									
12/31/2005	1.000										
3 Yr Mean	1.000	1.000	1.000 @	0.984 @	1.000 @	1.168 @	0.749 @	1.000 @			
Best 3/5	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *	1.000 *	1.000 *			

<u>A.Y.E.</u>	<u>15/ 27</u>	<u>27/ 39</u>	<u>39/ 51</u>	<u>51/ 63</u>	<u>63/ 75</u>	<u>75/ 87</u>	<u>87/ 99</u>	<u>99/111</u>	<u>111/123</u>	<u>123/135</u>	<u>135/147</u>
12/31/2013					1.010	1.003	1.000	1.000	1.000	1.000	1.000
12/31/2014				1.000	1.010	1.003	1.000	1.000	1.000	1.000	1.000
12/31/2015			1.073	1.000	1.010	1.003	1.000	1.000	1.000	1.000	1.000
12/31/2016		3.198	1.073	1.000	1.010	1.003	1.000	1.000	1.000	1.000	1.000
12/31/2017	1.324	3.198	1.073	1.000	1.010	1.003	1.000	1.000	1.000	1.000	1.000

<u>A.Y.E.</u>	<u>147/159</u>	<u>159/171</u>	<u>171/183</u>	<u>183/195</u>	<u>195/207</u>	<u>207/219</u>	<u>219/231</u>	<u>231/243</u>	<u>243/Ult</u>	<u>FACTORS</u>
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.013
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.013
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.087
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	3.476
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	4.602

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

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

A.Y.E	Allocated Expenses as of:										
	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	3,948	198	198	198	198	198	198	198	198	198	198
12/31/1999	456	456	456	456	456	456	456	456	456	456	456
12/31/2000	0	0	0	0	0	0	0	0	0	0	3,455
12/31/2001	0	0	0	1,540	9,736	9,736	14,140	14,140	14,140	14,140	14,140
12/31/2002	0	4,043	8,618	11,634	20,001	30,002	24,976	24,976	24,976	24,976	24,976
12/31/2003	0	20,186	42,460	44,132	53,722	54,076	54,076	54,076	54,076	54,076	54,076
12/31/2004	5,948	10,296	16,615	17,222	17,222	17,222	17,222	17,222	17,222	17,222	17,222
12/31/2005	0	6,030	22,087	26,282	63,263	93,392	93,392	93,392	93,392	93,392	93,392
12/31/2006	0	0	834	7,170	20,258	33,023	36,214	36,214	36,214	36,214	36,214
12/31/2007	0	0	17,500	9,963	9,963	9,963	9,963	9,963	9,963	9,963	9,963
12/31/2008	1,383	1,401	5,743	6,260	13,708	61,070	69,989	113,259	138,259	128,604	
12/31/2009	400	259	11,344	43,759	68,994	69,839	69,882	69,882	69,882		
12/31/2010	6,071	31,071	46,073	61,095	78,983	78,983	78,983	78,983			
12/31/2011	22,500	13,064	27,772	33,292	56,271	79,343	94,385				
12/31/2012	1,200	15,000	14,999	17,840	22,840	23,978					
12/31/2013	469	66,991	74,261	101,762	105,939						
12/31/2014	0	0	0	0							
12/31/2015	0	0	0								
12/31/2016	0	0									
12/31/2017	0										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	198	198	198	198	198	198	198	13,029	13,172
12/31/1999	456	456	4,736	4,736	4,736	4,736	4,736	4,736	
12/31/2000	7,108	12,468	18,099	19,962	20,543	20,543	20,543		
12/31/2001	14,140	14,140	14,140	14,140	14,140	14,140			
12/31/2002	24,976	24,976	24,976	24,976	24,976				
12/31/2003	54,076	54,076	54,076	54,076					
12/31/2004	17,222	17,222	17,222						
12/31/2005	93,392	93,392							
12/31/2006	36,214								

COMPLETED OPERATIONS (Subline Code 336)  
FULL COVERAGE  
RHODE ISLAND  
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
12/31/1998	127,249	137,497	120,475	120,475	120,475	120,475	136,880	169,679	205,380	196,380	190,580
12/31/1999	49,882	27,600	31,536	31,536	31,536	31,536	60,036	100,036	100,036	94,237	94,237
12/31/2000	143,266	161,156	161,156	163,656	173,656	192,156	232,156	232,156	226,355	226,355	226,355
12/31/2001	88,041	79,676	77,747	77,247	95,747	135,747	135,747	129,947	129,947	129,947	129,947
12/31/2002	65,338	62,801	123,983	173,983	158,983	158,983	158,983	158,983	158,654	158,654	158,654
12/31/2003	169,811	73,044	93,035	138,634	160,634	159,634	159,634	139,634	139,634	139,634	139,634
12/31/2004	341,191	382,194	416,523	451,523	386,023	351,023	351,023	351,023	351,023	351,023	351,023
12/31/2005	144,332	193,102	230,548	322,047	332,048	317,048	317,048	283,715	283,715	283,715	283,715
12/31/2006	328,558	398,250	563,251	565,867	562,367	610,367	689,367	723,867	723,867	738,867	736,654
12/31/2007	315,242	341,391	419,141	414,769	422,641	447,641	447,641	447,641	447,641	457,641	504,516
12/31/2008	511,215	537,503	549,854	635,240	634,925	614,525	614,525	625,703	630,705	638,203	
12/31/2009	474,128	730,031	715,155	736,575	805,389	900,290	956,220	979,620	939,620		
12/31/2010	263,801	234,260	238,924	321,098	321,098	335,999	335,999	335,999			
12/31/2011	330,364	519,398	391,378	465,453	452,953	444,768	443,673				
12/31/2012	307,216	383,351	459,354	398,975	398,700	476,700					
12/31/2013	412,514	392,628	387,316	374,816	410,816						
12/31/2014	125,742	246,748	196,248	196,248							
12/31/2015	219,934	267,522	268,972								
12/31/2016	118,935	120,914									
12/31/2017	168,364										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	190,580	190,580	190,580	190,580	190,580	190,580	190,580	190,580	190,580
12/31/1999	94,237	94,237	94,237	94,237	94,237	94,237	94,237	94,237	
12/31/2000	226,355	226,355	226,355	226,355	226,355	226,355	226,355		
12/31/2001	129,947	129,947	129,947	129,947	129,947	129,947			
12/31/2002	158,654	158,654	158,654	158,654	158,654				
12/31/2003	139,634	139,634	139,634	139,634					
12/31/2004	351,023	351,023	351,023						
12/31/2005	283,715	283,715							
12/31/2006	808,529								

COMPLETED OPERATIONS (Subline Code 336)  
FULL COVERAGE  
RHODE ISLAND  
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
12/31/1998	1.081	0.876	1.000	1.000	1.000	1.136	1.240	1.210	0.956	0.970	1.000
12/31/1999	0.553	1.143	1.000	1.000	1.000	1.904	1.666	1.000	0.942	1.000	1.000
12/31/2000	1.125	1.000	1.016	1.061	1.107	1.208	1.000	0.975	1.000	1.000	1.000
12/31/2001	0.905	0.976	0.994	1.239	1.418	1.000	0.957	1.000	1.000	1.000	1.000
12/31/2002	0.961	1.974	1.403	0.914	1.000	1.000	1.000	0.998	1.000	1.000	1.000
12/31/2003	0.430	1.274	1.490	1.159	0.994	1.000	0.875	1.000	1.000	1.000	1.000
12/31/2004	1.120	1.090	1.084	0.855	0.909	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.338	1.194	1.397	1.031	0.955	1.000	0.895	1.000	1.000	1.000	1.000
12/31/2006	1.212	1.414	1.005	0.994	1.085	1.129	1.050	1.000	1.021	0.997	1.098
12/31/2007	1.083	1.228	0.990	1.019	1.059	1.000	1.000	1.000	1.022	1.102	
12/31/2008	1.051	1.023	1.155	1.000	0.968	1.000	1.018	1.008	1.012		
12/31/2009	1.540	0.980	1.030	1.093	1.118	1.062	1.024	0.959			
12/31/2010	0.888	1.020	1.344	1.000	1.046	1.000	1.000				
12/31/2011	1.572	0.754	1.189	0.973	0.982	0.998					
12/31/2012	1.248	1.198	0.869	0.999	1.196						
12/31/2013	0.952	0.986	0.968	1.096							
12/31/2014	1.962	0.795	1.000								
12/31/2015	1.216	1.005									
12/31/2016	1.017										

3 Yr Mean	1.398	0.929	0.946	1.023	1.075	1.020	1.014	0.989	1.018	1.033	1.033
Best 3/5	1.160	0.929	1.052	1.031	1.049	1.000	1.014	1.000	1.011	1.000	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.000	1.000	1.000								
12/31/2004	1.000	1.000									
12/31/2005	1.000										
3 Yr Mean	1.000	1.000	1.000	1.000	1.000 @	1.000 @	1.000 @	1.000 @			
Best 3/5	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.049	1.000	1.014	1.000	1.011	1.000	1.000
12/31/2014				1.031	1.049	1.000	1.014	1.000	1.011	1.000	1.000
12/31/2015			1.052	1.031	1.049	1.000	1.014	1.000	1.011	1.000	1.000
12/31/2016		0.929	1.052	1.031	1.049	1.000	1.014	1.000	1.011	1.000	1.000
12/31/2017	1.160	0.929	1.052	1.031	1.049	1.000	1.014	1.000	1.011	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.075
12/31/2014	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.109
12/31/2015	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.166
12/31/2016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.084
12/31/2017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.257

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

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

A.Y.E	Allocated Expenses as of:										
	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	500	2,800	7,138	7,629	7,629	7,629	18,806	27,869	35,089	29,350	29,350
12/31/1999	1,484	4,484	1,484	1,484	1,484	1,484	9,171	21,685	23,204	23,204	23,204
12/31/2000	1,537	13,054	16,301	29,637	29,637	42,058	54,570	56,089	56,089	56,089	56,089
12/31/2001	308	308	308	1,258	8,947	21,460	22,979	22,979	22,979	22,979	22,979
12/31/2002	20,515	5,948	11,509	17,349	49,169	29,307	30,807	30,807	30,807	30,807	30,807
12/31/2003	14,744	45,370	148,944	180,356	202,504	211,436	211,436	191,436	191,436	191,436	191,436
12/31/2004	7,590	11,886	72,537	129,727	172,221	174,175	269,162	269,162	269,162	269,162	269,162
12/31/2005	1,623	38,069	89,304	114,591	104,783	104,785	104,785	111,784	118,054	118,054	118,054
12/31/2006	20,653	30,176	231,307	335,600	564,301	826,481	852,563	876,171	885,378	890,269	906,816
12/31/2007	33,677	48,636	97,509	135,680	161,276	189,318	240,270	260,679	274,491	313,295	295,112
12/31/2008	7,243	44,320	82,391	119,499	133,905	138,565	150,763	163,679	176,430	191,320	
12/31/2009	86,179	124,170	116,569	286,747	533,368	581,025	633,869	672,013	660,161		
12/31/2010	12,410	36,695	60,944	91,878	107,372	134,415	135,076	135,076			
12/31/2011	39,866	57,413	96,947	187,119	259,590	369,532	396,093				
12/31/2012	18,996	43,553	115,064	128,120	160,172	176,780					
12/31/2013	24,336	50,737	58,276	62,211	112,611						
12/31/2014	16,279	39,774	39,662	59,703							
12/31/2015	27,844	79,123	97,959								
12/31/2016	18,206	80,575									
12/31/2017	3,369										

A.Y.E	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	29,350	29,350	29,350	29,350	29,350	29,350	29,350	29,350	29,350
12/31/1999	23,204	23,204	23,204	23,204	23,204	23,204	23,204	23,204	
12/31/2000	56,089	56,089	56,089	56,089	56,089	56,089	56,089		
12/31/2001	22,979	22,979	22,979	22,979	22,979	22,979			
12/31/2002	30,807	30,807	30,807	30,807	30,807				
12/31/2003	191,436	191,436	191,436	191,436					
12/31/2004	269,162	269,162	269,162						
12/31/2005	118,054	118,054							
12/31/2006	921,953								

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
12/31/1998	5,382,417	7,749,839	9,931,451	10,446,493	10,771,244	11,071,766	11,629,912	12,194,086	11,813,168	11,491,537	11,513,144
12/31/1999	5,749,137	8,017,859	10,639,569	12,401,376	12,443,087	12,699,247	12,379,843	12,193,739	12,195,292	12,194,842	12,217,636
12/31/2000	3,349,135	7,571,175	9,596,988	11,428,849	11,198,782	11,574,625	11,068,388	11,131,573	11,072,222	11,110,866	11,108,287
12/31/2001	3,393,318	7,201,271	9,537,740	10,536,173	11,011,306	11,000,593	10,913,285	10,668,162	10,563,560	10,462,107	10,483,477
12/31/2002	3,083,798	7,149,689	9,605,824	10,234,120	11,261,210	11,427,625	11,642,502	11,849,223	12,068,855	12,173,690	12,207,408
12/31/2003	3,686,338	6,728,413	10,123,232	10,766,319	10,579,933	10,391,292	10,165,994	10,128,188	10,111,720	10,148,121	10,199,131
12/31/2004	4,704,040	7,310,503	10,048,328	11,065,060	11,123,482	10,632,087	10,944,868	10,900,102	10,883,690	10,918,853	11,023,711
12/31/2005	4,237,064	7,327,137	10,408,250	11,613,602	11,488,082	11,664,862	11,980,476	11,915,964	11,833,171	11,930,107	11,885,653
12/31/2006	4,875,979	8,998,528	13,044,800	13,665,727	13,510,110	13,707,180	13,575,413	13,773,042	13,684,331	13,599,010	13,525,900
12/31/2007	4,398,986	8,656,290	11,586,599	12,845,738	12,838,601	12,816,133	12,722,889	12,863,528	13,060,436	12,845,961	12,825,548
12/31/2008	4,368,007	8,180,835	11,883,905	12,415,028	12,285,724	12,286,357	12,948,682	12,679,778	12,736,180	12,691,939	
12/31/2009	5,249,161	8,550,421	11,893,434	12,415,395	12,397,832	12,814,744	12,319,464	12,306,881	12,143,478		
12/31/2010	5,375,717	10,504,029	12,940,878	14,141,716	14,991,402	15,236,317	14,837,641	14,789,481			
12/31/2011	4,810,618	7,893,315	11,660,517	13,829,197	14,132,196	13,711,111	13,237,756				
12/31/2012	3,978,800	8,020,892	13,885,712	14,228,788	14,642,367	14,749,517					
12/31/2013	4,817,311	10,398,687	12,844,592	14,543,624	14,580,323						
12/31/2014	5,613,035	8,743,838	13,013,349	13,788,841							
12/31/2015	4,792,467	8,479,671	12,413,824								
12/31/2016	3,676,027	8,927,860									
12/31/2017	5,346,513										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	11,704,244	11,676,419	11,890,604	11,870,843	11,870,843	11,876,343	11,751,657	11,770,895	11,736,807
12/31/1999	12,174,868	12,136,600	12,122,727	12,122,426	12,122,427	12,122,426	12,122,426	12,122,425	
12/31/2000	11,144,580	11,197,424	11,140,073	11,193,327	11,188,323	11,203,322	11,203,322		
12/31/2001	10,534,479	10,538,161	10,575,203	10,618,410	10,595,046	10,564,845			
12/31/2002	12,140,613	12,171,146	12,315,380	12,316,090	12,305,052				
12/31/2003	10,234,635	10,247,693	10,286,435	10,266,434					
12/31/2004	11,087,981	11,284,441	11,125,197						
12/31/2005	11,778,914	11,546,887							
12/31/2006	13,511,099								

## COMPLETED OPERATIONS (Subline Code 336)

## FULL COVERAGE

## MULTISTATE

## BODILY INJURY - OCCURRENCE

## INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

## Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.440	1.282	1.052	1.031	1.028	1.050	1.049	0.969	0.973	1.002	1.017
12/31/1999	1.395	1.327	1.166	1.003	1.021	0.975	0.985	1.000	1.000	1.002	0.996
12/31/2000	2.261	1.268	1.191	0.980	1.034	0.956	1.006	0.995	1.003	1.000	1.003
12/31/2001	2.122	1.324	1.105	1.045	0.999	0.992	0.978	0.990	0.990	1.002	1.005
12/31/2002	2.318	1.344	1.065	1.100	1.015	1.019	1.018	1.019	1.009	1.003	0.995
12/31/2003	1.825	1.505	1.064	0.983	0.982	0.978	0.996	0.998	1.004	1.005	1.003
12/31/2004	1.554	1.375	1.101	1.005	0.956	1.029	0.996	0.998	1.003	1.010	1.006
12/31/2005	1.729	1.421	1.116	0.989	1.015	1.027	0.995	0.993	1.008	0.996	0.991
12/31/2006	1.845	1.450	1.048	0.989	1.015	0.990	1.015	0.994	0.994	0.995	0.999
12/31/2007	1.968	1.339	1.109	0.999	0.998	0.993	1.011	1.015	0.984	0.998	
12/31/2008	1.873	1.453	1.045	0.990	1.000	1.054	0.979	1.004	0.997		
12/31/2009	1.629	1.391	1.044	0.999	1.034	0.961	0.999	0.987			
12/31/2010	1.954	1.232	1.093	1.060	1.016	0.974	0.997				
12/31/2011	1.641	1.477	1.186	1.022	0.970	0.965					
12/31/2012	2.016	1.731	1.025	1.029	1.007						
12/31/2013	2.159	1.235	1.132	1.003							
12/31/2014	1.558	1.488	1.060								
12/31/2015	1.769	1.464									
12/31/2016	2.429										

3 Yr Mean 1.919 1.396 1.072 1.018 0.998 0.967 0.992 1.002 0.992 0.996 0.999

Best 3/5 1.981 1.476 1.095 1.018 1.008 0.977 1.002 0.997 0.998 1.000 0.999

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.998	1.018	0.998	1.000	1.000	0.990	1.002	0.997			
12/31/1999	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	1.005	0.995	1.005	1.000	1.001	1.000	1.000 *	1.000 *			
12/31/2001	1.000	1.004	1.004	0.998	0.997	1.000 *	1.000 *	1.000 *			
12/31/2002	1.003	1.012	1.000	0.999	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.001	1.004	0.998								
12/31/2004	1.018	0.986									
12/31/2005	0.980										

3 Yr Mean 1.000 1.001 1.001 0.999 0.999 @ 0.997 @ 1.001 @ 0.997 @

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

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.008	0.977	1.002	0.997	0.998	1.000	0.999
12/31/2014				1.018	1.008	0.977	1.002	0.997	0.998	1.000	0.999
12/31/2015			1.095	1.018	1.008	0.977	1.002	0.997	0.998	1.000	0.999
12/31/2016		1.476	1.095	1.018	1.008	0.977	1.002	0.997	0.998	1.000	0.999
12/31/2017	1.981	1.476	1.095	1.018	1.008	0.977	1.002	0.997	0.998	1.000	0.999

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	0.984
12/31/2014	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.002
12/31/2015	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.097
12/31/2016	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	1.619
12/31/2017	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000*	3.207

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1998	106,123	395,586	680,640	916,686	1,171,521	1,186,605	901,002	965,932	1,072,428	1,157,485	1,143,685
12/31/1999	404,714	874,417	1,899,163	2,237,696	2,297,649	1,809,642	1,786,359	1,845,557	1,883,682	1,920,172	1,991,256
12/31/2000	350,798	529,262	1,176,368	1,461,454	1,251,531	1,824,321	1,645,592	1,526,792	1,602,111	1,592,811	1,521,613
12/31/2001	354,125	744,154	1,044,107	1,065,722	983,082	1,063,864	1,310,140	1,408,357	1,360,107	1,347,307	1,354,107
12/31/2002	229,242	655,739	1,124,018	1,164,317	1,373,666	1,361,220	1,672,423	1,722,423	1,546,341	1,493,066	1,515,902
12/31/2003	319,688	867,685	1,366,084	1,255,628	1,211,547	1,314,289	1,316,395	1,340,895	1,420,195	1,420,197	1,443,795
12/31/2004	269,310	621,021	1,029,012	1,052,518	1,091,198	1,010,394	847,293	874,261	891,150	878,580	829,980
12/31/2005	666,837	1,045,465	1,141,746	1,111,605	1,212,958	1,069,928	1,159,474	1,160,802	1,128,902	1,262,811	1,208,236
12/31/2006	818,931	1,320,993	1,476,958	1,588,453	1,683,437	1,415,017	1,390,016	1,610,616	1,750,067	1,700,298	1,596,566
12/31/2007	324,368	1,022,453	961,110	1,100,843	1,193,090	1,306,290	1,246,602	1,214,427	1,189,453	1,188,954	1,237,004
12/31/2008	316,396	864,693	913,403	1,050,595	1,063,780	1,242,728	1,336,184	1,473,931	1,486,978	1,424,520	
12/31/2009	586,791	1,045,400	1,069,085	1,263,752	1,084,741	1,154,076	1,098,109	1,097,244	1,038,243		
12/31/2010	641,422	781,803	1,443,275	2,008,073	1,739,838	1,672,694	1,597,404	1,643,905			
12/31/2011	270,205	819,627	1,330,077	1,689,436	1,722,481	1,706,863	1,706,863				
12/31/2012	383,511	1,149,597	1,593,586	1,772,309	1,649,357	1,695,210					
12/31/2013	1,675,399	2,467,513	2,712,232	2,786,946	2,729,808						
12/31/2014	2,159,321	2,831,984	3,298,850	3,463,909							
12/31/2015	1,195,104	1,659,445	2,141,952								
12/31/2016	1,265,885	2,626,725									
12/31/2017	546,720										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	1,121,445	1,121,445	1,121,445	1,108,985	1,108,985	1,121,485	1,208,985	1,208,985	1,208,985
12/31/1999	1,986,257	1,921,257	1,867,257	1,867,257	1,867,260	1,867,257	1,867,257	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		
12/31/2001	1,307,912	1,307,915	1,355,912	1,320,911	1,320,912	1,345,912			
12/31/2002	1,467,700	1,579,904	1,581,334	1,581,333	1,581,333				
12/31/2003	1,446,695	1,424,195	1,423,696	1,423,696					
12/31/2004	828,318	828,219	833,218						
12/31/2005	1,248,237	1,322,207							
12/31/2006	1,555,316								



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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	3.728	1.721	1.347	1.278	1.013	0.759	1.072	1.110	1.079	0.988	0.981
12/31/1999	2.161	2.172	1.178	1.027	0.788	0.987	1.033	1.021	1.019	1.037	0.997
12/31/2000	1.509	2.223	1.242	0.856	1.458	0.902	0.928	1.049	0.994	0.955	1.011
12/31/2001	2.101	1.403	1.021	0.922	1.082	1.231	1.075	0.966	0.991	1.005	0.966
12/31/2002	2.860	1.714	1.036	1.180	0.991	1.229	1.030	0.898	0.966	1.015	0.968
12/31/2003	2.714	1.574	0.919	0.965	1.085	1.002	1.019	1.059	1.000	1.017	1.002
12/31/2004	2.306	1.657	1.023	1.037	0.926	0.839	1.032	1.019	0.986	0.945	0.998
12/31/2005	1.568	1.092	0.974	1.091	0.882	1.084	1.001	0.973	1.119	0.957	1.033
12/31/2006	1.613	1.118	1.075	1.060	0.841	0.982	1.159	1.087	0.972	0.939	0.974
12/31/2007	3.152	0.940	1.145	1.084	1.095	0.954	0.974	0.979	1.000	1.040	
12/31/2008	2.733	1.056	1.150	1.013	1.168	1.075	1.103	1.009	0.958		
12/31/2009	1.782	1.023	1.182	0.858	1.064	0.952	0.999	0.946			
12/31/2010	1.219	1.846	1.391	0.866	0.961	0.955	1.029				
12/31/2011	3.033	1.623	1.270	1.020	0.991	1.000					
12/31/2012	2.998	1.386	1.112	0.931	1.028						
12/31/2013	1.473	1.099	1.028	0.979							
12/31/2014	1.312	1.165	1.050								
12/31/2015	1.389	1.291									
12/31/2016	2.075										

3 Yr Mean	1.592	1.185	1.063	0.977	0.993	0.969	1.044	0.978	0.977	0.979	1.002
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Best 3/5	1.646	1.281	1.144	0.925	1.028	0.970	1.044	0.987	0.986	0.973	0.991
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.000	1.000	0.989	1.000	1.011	1.078	1.000	1.000			
12/31/1999	0.967	0.972	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	0.996	0.980	1.045	0.997	1.000	1.000	1.002 *	1.000 *			
12/31/2001	1.000	1.037	0.974	1.000	1.019	1.004 *	1.002 *	1.000 *			
12/31/2002	1.076	1.001	1.000	1.000	1.000 *	1.004 *	1.002 *	1.000 *			
12/31/2003	0.984	1.000	1.000								
12/31/2004	1.000	1.006									
12/31/2005	1.059										

3 Yr Mean	1.014	1.002	0.991	0.999	1.006 @	1.026 @	1.000 @	1.000 @			
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Best 3/5	1.020	1.002	1.000	1.000	1.004 *	1.003 *	1.001 *	1.000 *			
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A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.028	0.970	1.044	0.987	0.986	0.973	0.991
12/31/2014				0.925	1.028	0.970	1.044	0.987	0.986	0.973	0.991
12/31/2015			1.144	0.925	1.028	0.970	1.044	0.987	0.986	0.973	0.991
12/31/2016		1.281	1.144	0.925	1.028	0.970	1.044	0.987	0.986	0.973	0.991
12/31/2017	1.646	1.281	1.144	0.925	1.028	0.970	1.044	0.987	0.986	0.973	0.991

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	1.006
12/31/2014	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	0.931
12/31/2015	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	1.065
12/31/2016	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	1.364
12/31/2017	1.020	1.002	1.000	1.000	1.004	1.003	1.001	1.000	1.000*	2.246

\* 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
12/31/1998	1,012,271	2,348,842	4,112,802	5,182,512	5,813,250	12,480,107	10,604,765	11,385,664	11,547,685	11,481,993	11,529,180
12/31/1999	939,072	1,726,111	3,327,048	5,471,691	6,467,594	7,363,565	7,335,524	7,949,068	8,566,762	8,690,714	8,973,317
12/31/2000	674,323	2,617,777	3,850,487	6,190,738	6,833,426	7,416,763	7,457,113	7,481,893	7,646,436	8,102,365	8,114,194
12/31/2001	653,560	2,154,996	4,065,005	6,286,557	7,688,175	8,477,243	9,147,867	9,148,197	9,211,226	9,221,453	9,193,699
12/31/2002	731,998	2,916,605	4,737,295	8,050,078	8,938,150	10,352,461	10,692,516	11,056,247	11,310,248	11,327,231	11,410,096
12/31/2003	1,059,929	2,257,224	4,717,758	7,545,398	8,428,716	9,094,136	9,744,227	9,740,289	9,611,654	9,650,675	9,702,823
12/31/2004	541,344	1,852,152	4,496,054	7,003,862	8,823,022	10,014,284	11,219,057	10,852,569	10,923,710	10,952,116	11,275,394
12/31/2005	737,161	1,347,695	3,794,920	6,362,216	7,745,995	8,504,076	9,060,380	9,359,776	9,709,212	10,001,765	10,172,304
12/31/2006	915,351	3,689,840	6,463,802	8,349,218	9,621,204	10,826,356	11,391,500	11,717,670	11,991,919	12,006,894	11,986,209
12/31/2007	818,839	2,535,416	5,570,438	9,312,279	10,422,393	11,028,880	11,321,576	11,605,887	11,787,267	11,899,978	11,913,524
12/31/2008	826,229	2,217,025	4,794,351	7,208,995	9,311,773	10,564,469	11,312,431	11,875,870	12,574,080	15,831,927	
12/31/2009	549,105	2,050,691	4,434,228	6,931,335	9,301,142	9,926,780	10,287,584	10,596,388	10,608,501		
12/31/2010	846,989	2,933,834	5,793,148	8,843,773	11,579,858	12,864,766	14,006,841	14,078,770			
12/31/2011	779,950	2,145,656	4,693,828	8,246,454	11,608,983	12,939,643	13,085,720				
12/31/2012	347,165	2,237,908	6,226,446	9,180,244	11,098,000	13,794,368					
12/31/2013	601,939	2,476,227	5,895,054	9,526,740	11,740,793						
12/31/2014	550,560	2,377,786	5,708,589	7,792,110							
12/31/2015	472,258	1,894,196	4,934,361								
12/31/2016	412,617	1,852,627									
12/31/2017	660,305										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	11,910,138	12,244,746	12,543,160	12,686,410	12,766,609	12,819,452	12,886,134	13,011,151	13,080,009
12/31/1999	9,167,838	9,064,802	9,056,342	9,057,481	9,057,706	9,058,174	9,056,276	9,060,877	
12/31/2000	8,228,110	8,224,592	8,213,906	8,219,719	8,223,475	8,235,702	8,243,234		
12/31/2001	9,226,163	9,214,887	9,227,247	9,297,000	9,301,647	9,311,848			
12/31/2002	11,476,367	11,660,885	11,747,003	11,849,320	11,854,760				
12/31/2003	9,814,109	9,851,746	9,929,044	9,939,645					
12/31/2004	11,458,806	11,584,918	11,536,279						
12/31/2005	10,312,614	10,100,905							
12/31/2006	12,069,243								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1998	1.011	1.006	1.004	1.005	1.010	1.005	1.004	*	
12/31/1999	1.000	1.000	1.000	1.000	1.001	1.001	1.004	*	
12/31/2000	1.001	1.000	1.001	1.001	1.001	*	1.004	*	
12/31/2001	1.008	1.000	1.001	1.001	*	1.001	*	1.004	*
12/31/2002	1.009	1.000	1.000	*	1.001	*	1.001	*	1.004
12/31/2003	1.001								

Best 3/5      1.003      1.000      1.001 \*      1.001 \*      1.001 \*      1.001 \*      1.004 \*

171 to Ultimate Factor: 1.011

\* Calculated Using Modified Bondy Method

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

Increments													
A.Y.E	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
12/31/1998	1,336,571	1,763,960	1,069,710	630,738	6,666,857	-1,875,342	780,899	162,021	-65,692	47,187	380,958	334,608	298,414
12/31/1999	787,039	1,600,937	2,144,643	995,903	895,971	-28,041	613,544	617,694	123,952	282,603	194,521	-103,036	-8,460
12/31/2000	1,943,454	1,232,710	2,340,251	642,688	583,337	40,350	24,780	164,543	455,929	11,829	113,916	-3,518	-10,686
12/31/2001	1,501,436	1,910,009	2,221,552	1,401,618	789,068	670,624	330	63,029	10,227	-27,754	32,464	-11,276	12,360
12/31/2002	2,184,607	1,820,690	3,312,783	888,072	1,414,311	340,055	363,731	254,001	16,983	82,865	66,271	184,518	86,118
12/31/2003	1,197,295	2,460,534	2,827,640	883,318	665,420	650,091	-3,938	-128,635	39,021	52,148	111,286	37,637	77,298
12/31/2004	1,310,808	2,643,902	2,507,808	1,819,160	1,191,262	1,204,773	-366,488	71,141	28,406	323,278	183,412	126,112	-48,639
12/31/2005	610,534	2,447,225	2,567,296	1,383,779	758,081	556,304	299,396	349,436	292,553	170,539	140,310	-211,709	
12/31/2006	2,774,489	2,773,962	1,885,416	1,271,986	1,205,152	565,144	326,170	274,249	14,975	-20,685	83,034		
12/31/2007	1,716,577	3,035,022	3,741,841	1,110,114	606,487	292,696	284,311	181,380	112,711	13,546			
12/31/2008	1,390,796	2,577,326	2,414,644	2,102,778	1,252,696	747,962	563,439	698,210	3,257,847				
12/31/2009	1,501,586	2,383,537	2,497,107	2,369,807	625,638	360,804	308,804	12,113					
12/31/2010	2,086,845	2,859,314	3,050,625	2,736,085	1,284,908	1,142,075	71,929						
12/31/2011	1,365,706	2,548,172	3,552,626	3,362,529	1,330,660	146,077							
12/31/2012	1,890,743	3,988,538	2,953,798	1,917,756	2,696,368								
12/31/2013	1,874,288	3,418,827	3,418,827	2,214,053									
12/31/2014	1,827,226	3,330,803	2,083,521										
12/31/2015	1,421,938	3,040,165											
12/31/2016	1,440,010												

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
12/31/1998	0.0611	0.0806	0.0489	0.0288	0.3046	-0.0857	0.0357	0.0074	-0.0030	0.0022	0.0174	0.0153	0.0136
12/31/1999	0.0371	0.0755	0.1011	0.0470	0.0422	-0.0013	0.0289	0.0291	0.0058	0.0133	0.0092	-0.0049	-0.0004
12/31/2000	0.0945	0.0600	0.1138	0.0313	0.0284	0.0020	0.0012	0.0080	0.0222	0.0006	0.0055	-0.0002	-0.0005
12/31/2001	0.0810	0.1031	0.1199	0.0756	0.0426	0.0362	0.0000	0.0034	0.0006	-0.0015	0.0018	-0.0006	0.0007
12/31/2002	0.0951	0.0792	0.1442	0.0387	0.0616	0.0148	0.0158	0.0111	0.0007	0.0036	0.0029	0.0080	0.0037
12/31/2003	0.0684	0.1405	0.1614	0.0504	0.0380	0.0371	-0.0002	-0.0073	0.0022	0.0030	0.0064	0.0021	0.0044
12/31/2004	0.0674	0.1360	0.1290	0.0936	0.0613	0.0620	-0.0189	0.0037	0.0015	0.0166	0.0094	0.0065	-0.0025
12/31/2005	0.0255	0.1021	0.1071	0.0577	0.0316	0.0232	0.0125	0.0146	0.0122	0.0071	0.0059	-0.0088	
12/31/2006	0.1049	0.1049	0.0713	0.0481	0.0456	0.0214	0.0123	0.0104	0.0006	-0.0008	0.0031		
12/31/2007	0.0730	0.1290	0.1591	0.0472	0.0258	0.0124	0.0121	0.0077	0.0048	0.0006			
12/31/2008	0.0611	0.1133	0.1061	0.0924	0.0550	0.0329	0.0248	0.0307	0.1432				
12/31/2009	0.0625	0.0991	0.1039	0.0986	0.0260	0.0150	0.0128	0.0005					
12/31/2010	0.0745	0.1021	0.1089	0.0977	0.0459	0.0408	0.0026						
12/31/2011	0.0566	0.1056	0.1472	0.1393	0.0551	0.0061							
12/31/2012	0.0649	0.1370	0.1014	0.0658	0.0926								
12/31/2013	0.0689	0.1258	0.1336	0.0814									
12/31/2014	0.0712	0.1298	0.0812										
12/31/2015	0.0540	0.1154											
12/31/2016	0.0547												

Best 3/5	0.0628	0.1237	0.1146	0.0926	0.0520	0.0201	0.0124	0.0109	0.0062	0.0036	0.0051	0.0027	0.0013
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COMPLETED OPERATIONS (Subline Code 336)  
FULL COVERAGE  
MULTISTATE  
PROPERTY DAMAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$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
12/31/1998	18,113,843	23,332,101	26,686,591	32,926,021	36,994,732	40,149,460	42,614,367	43,842,084	44,731,840	46,036,717	46,907,927
12/31/1999	18,141,667	23,122,030	26,816,232	30,454,925	33,256,684	36,769,286	38,529,479	39,624,399	40,658,450	41,616,062	41,693,822
12/31/2000	21,618,596	29,922,202	35,646,440	39,939,316	42,811,024	45,600,549	49,510,389	51,452,752	52,307,599	53,501,448	53,882,110
12/31/2001	25,121,363	32,994,877	39,760,370	43,949,225	47,621,401	49,315,544	50,409,676	52,681,785	54,248,972	54,769,978	54,836,097
12/31/2002	25,879,796	34,813,817	39,479,615	44,435,810	45,646,147	46,673,529	48,693,563	50,562,427	51,522,666	51,114,736	51,931,355
12/31/2003	27,934,421	33,376,843	37,758,441	38,557,656	41,290,434	42,463,838	42,907,196	44,009,454	45,175,715	45,412,461	45,966,469
12/31/2004	28,708,795	35,259,437	39,343,108	43,461,954	45,902,150	47,706,885	49,545,316	50,507,362	52,362,307	53,059,298	54,553,998
12/31/2005	25,930,630	32,239,645	36,518,740	41,119,382	43,550,624	46,329,538	49,090,875	50,415,703	52,061,304	52,312,269	53,313,682
12/31/2006	36,116,254	43,863,748	49,957,500	55,227,329	60,916,125	62,940,227	64,684,213	64,162,602	65,608,294	66,435,392	68,351,285
12/31/2007	40,765,577	49,475,433	58,383,620	61,274,195	64,121,906	66,326,890	67,400,382	69,385,970	71,174,306	73,271,810	75,745,257
12/31/2008	51,156,205	60,112,314	66,296,326	68,890,062	71,339,035	72,727,266	74,751,551	76,112,641	84,252,031	92,238,886	
12/31/2009	55,734,185	64,686,433	71,421,476	73,754,190	75,542,315	76,392,988	77,965,828	81,099,473	86,482,396		
12/31/2010	54,461,530	63,523,966	67,259,875	69,393,234	71,828,242	73,032,362	74,212,026	76,006,564			
12/31/2011	54,000,680	60,947,303	63,439,948	63,706,524	65,238,768	67,937,476	69,483,417				
12/31/2012	47,501,598	54,053,994	55,788,886	58,742,622	61,545,513	63,776,319					
12/31/2013	43,439,843	47,854,780	51,967,689	53,830,229	56,203,061						
12/31/2014	43,586,316	50,330,591	53,279,039	55,194,896							
12/31/2015	41,066,805	47,577,565	52,259,353								
12/31/2016	37,724,326	47,818,955									
12/31/2017	37,939,531										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	47,064,626	47,216,990	47,155,971	47,154,335	47,325,739	47,280,018	47,279,411	47,213,292	47,214,126
12/31/1999	41,912,978	42,098,081	41,988,854	42,192,295	42,133,542	42,252,840	42,252,058	42,326,869	
12/31/2000	54,401,981	54,342,887	54,336,379	54,365,784	54,253,358	54,123,659	54,170,072		
12/31/2001	55,350,472	54,967,769	55,097,517	55,292,943	55,273,656	55,293,513			
12/31/2002	52,125,587	52,065,195	52,166,986	52,177,915	52,598,843				
12/31/2003	46,018,279	46,448,885	46,866,378	47,395,216					
12/31/2004	55,374,842	55,816,618	55,761,459						
12/31/2005	53,615,482	53,976,771							
12/31/2006	69,290,100								

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
12/31/1998	1.288	1.144	1.234	1.124	1.085	1.061	1.029	1.020	1.029	1.019	1.003
12/31/1999	1.275	1.160	1.136	1.092	1.106	1.048	1.028	1.026	1.024	1.002	1.005
12/31/2000	1.384	1.191	1.120	1.072	1.065	1.086	1.039	1.017	1.023	1.007	1.010
12/31/2001	1.313	1.205	1.105	1.084	1.036	1.022	1.045	1.030	1.010	1.001	1.009
12/31/2002	1.345	1.134	1.126	1.027	1.023	1.043	1.038	1.019	0.992	1.016	1.004
12/31/2003	1.195	1.131	1.021	1.071	1.028	1.010	1.026	1.027	1.005	1.012	1.001
12/31/2004	1.228	1.116	1.105	1.056	1.039	1.039	1.019	1.037	1.013	1.028	1.015
12/31/2005	1.243	1.133	1.126	1.059	1.064	1.060	1.027	1.033	1.005	1.019	1.006
12/31/2006	1.215	1.139	1.105	1.103	1.033	1.028	0.992	1.023	1.013	1.029	1.014
12/31/2007	1.214	1.180	1.050	1.046	1.034	1.016	1.029	1.026	1.029	1.034	
12/31/2008	1.175	1.103	1.039	1.036	1.019	1.028	1.018	1.107	1.095		
12/31/2009	1.161	1.104	1.033	1.024	1.011	1.021	1.040	1.066			
12/31/2010	1.166	1.059	1.032	1.035	1.017	1.016	1.024				
12/31/2011	1.129	1.041	1.004	1.024	1.041	1.023					
12/31/2012	1.138	1.032	1.053	1.048	1.036						
12/31/2013	1.102	1.086	1.036	1.044							
12/31/2014	1.155	1.059	1.036								
12/31/2015	1.159	1.098									
12/31/2016	1.268										

3 Yr Mean	1.194	1.081	1.042	1.039	1.031	1.020	1.027	1.066	1.046	1.027	1.012
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Best 3/5	1.151	1.062	1.035	1.034	1.024	1.020	1.024	1.042	1.018	1.025	1.008
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.003	0.999	1.000	1.004	0.999	1.000	0.999	1.000			
12/31/1999	1.004	0.997	1.005	0.999	1.003	1.000	1.002	1.000 *			
12/31/2000	0.999	1.000	1.001	0.998	0.998	1.001	1.000 *	1.000 *			
12/31/2001	0.993	1.002	1.004	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	0.999	1.002	1.000	1.008	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.009	1.009	1.011								
12/31/2004	1.008	0.999									
12/31/2005	1.007										

3 Yr Mean	1.008	1.003	1.005	1.002	1.000 @	1.000 @	1.001 @	1.000 @			
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Best 3/5	1.005	1.001	1.003	1.001	1.000 *	1.000 *	1.000 *	1.000 *			
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A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.024	1.020	1.024	1.042	1.018	1.025	1.008
12/31/2014				1.034	1.024	1.020	1.024	1.042	1.018	1.025	1.008
12/31/2015			1.035	1.034	1.024	1.020	1.024	1.042	1.018	1.025	1.008
12/31/2016		1.062	1.035	1.034	1.024	1.020	1.024	1.042	1.018	1.025	1.008
12/31/2017	1.151	1.062	1.035	1.034	1.024	1.020	1.024	1.042	1.018	1.025	1.008

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.184
12/31/2014	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.224
12/31/2015	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.267
12/31/2016	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.346
12/31/2017	1.005	1.001	1.003	1.001	1.000	1.000	1.000	1.000	1.000*	1.549

\* 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
12/31/1998	3,399,444	4,989,700	6,202,072	6,573,098	7,622,348	8,324,913	9,548,997	11,065,182	12,008,214	12,847,863	13,009,150
12/31/1999	3,158,496	4,995,868	5,544,880	7,214,750	8,158,620	9,622,013	11,077,329	12,073,570	12,772,861	13,105,521	13,599,647
12/31/2000	3,418,844	5,201,798	7,222,822	9,408,512	11,610,385	14,409,917	16,500,773	18,365,859	19,140,188	21,412,799	23,165,417
12/31/2001	3,511,180	5,643,683	7,708,760	10,531,499	13,917,700	17,139,624	21,907,913	23,317,216	25,809,995	25,881,683	27,418,893
12/31/2002	4,171,438	5,629,922	8,295,766	10,129,202	11,760,337	14,321,654	15,961,431	17,832,280	20,066,042	19,995,522	19,978,249
12/31/2003	4,196,138	6,067,239	7,657,808	8,457,245	9,795,816	10,397,330	11,397,206	12,090,593	12,766,238	13,615,662	13,533,948
12/31/2004	5,824,885	7,372,939	9,171,424	9,751,195	10,459,553	11,464,569	12,149,530	13,332,912	13,916,022	14,294,772	14,519,929
12/31/2005	6,630,570	9,087,433	10,040,091	10,770,269	12,073,588	12,818,796	13,253,663	13,972,615	14,699,222	14,860,054	15,089,706
12/31/2006	7,644,998	9,212,774	10,413,710	11,101,832	11,193,322	12,124,225	12,755,867	13,477,739	13,894,055	15,108,278	15,949,800
12/31/2007	9,590,985	11,767,028	12,236,194	12,674,812	13,395,367	13,910,544	15,005,742	15,705,925	16,458,994	17,704,907	17,692,339
12/31/2008	8,809,687	11,738,940	14,074,906	14,432,382	15,389,000	16,329,662	17,489,267	17,980,085	18,709,239	18,707,349	
12/31/2009	8,117,647	10,459,730	12,009,396	12,817,661	13,826,333	15,496,377	16,669,360	17,209,446	17,972,898		
12/31/2010	9,247,147	10,965,970	11,221,561	12,043,844	12,995,298	13,347,047	13,700,251	14,501,155			
12/31/2011	8,604,885	10,621,575	11,638,785	11,990,155	12,746,276	13,445,358	13,773,500				
12/31/2012	8,048,212	9,493,963	10,762,218	11,341,329	12,746,315	13,309,707					
12/31/2013	10,595,383	12,864,590	13,692,132	14,691,418	15,332,401						
12/31/2014	11,312,379	13,514,540	15,228,213	16,395,390							
12/31/2015	13,713,941	17,286,531	18,320,825								
12/31/2016	14,691,091	16,432,606									
12/31/2017	12,412,893										

  

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	13,418,464	13,440,232	13,448,864	13,462,669	13,294,167	13,285,694	13,285,194	13,285,194	13,285,194
12/31/1999	13,810,964	14,084,241	13,923,290	13,855,351	13,873,143	13,820,966	13,820,966	13,821,325	
12/31/2000	23,737,675	23,937,171	23,855,105	23,827,893	23,603,414	23,432,869	23,483,142		
12/31/2001	27,579,551	27,657,839	27,279,281	27,187,406	27,025,499	27,071,246			
12/31/2002	20,313,248	20,115,036	19,819,200	19,589,072	19,667,964				
12/31/2003	13,380,432	13,581,000	13,234,508	13,185,814					
12/31/2004	14,556,234	14,699,378	14,733,647						
12/31/2005	15,673,999	15,834,737							
12/31/2006	15,996,109								

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

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.468	1.243	1.060	1.160	1.092	1.147	1.159	1.085	1.070	1.013	1.031
12/31/1999	1.582	1.110	1.301	1.131	1.179	1.151	1.090	1.058	1.026	1.038	1.016
12/31/2000	1.522	1.389	1.303	1.234	1.241	1.145	1.113	1.042	1.119	1.082	1.025
12/31/2001	1.607	1.366	1.366	1.322	1.231	1.278	1.064	1.107	1.003	1.059	1.006
12/31/2002	1.350	1.474	1.221	1.161	1.218	1.114	1.117	1.125	0.996	0.999	1.017
12/31/2003	1.446	1.262	1.104	1.158	1.061	1.096	1.061	1.056	1.067	0.994	0.989
12/31/2004	1.266	1.244	1.063	1.073	1.096	1.060	1.097	1.044	1.027	1.016	1.003
12/31/2005	1.371	1.105	1.073	1.121	1.062	1.034	1.054	1.052	1.011	1.015	1.039
12/31/2006	1.205	1.130	1.066	1.008	1.083	1.052	1.057	1.031	1.087	1.056	1.003
12/31/2007	1.227	1.040	1.036	1.057	1.038	1.079	1.047	1.048	1.076	0.999	
12/31/2008	1.333	1.199	1.025	1.066	1.061	1.071	1.028	1.041	1.000		
12/31/2009	1.289	1.148	1.067	1.079	1.121	1.076	1.032	1.044			
12/31/2010	1.186	1.023	1.073	1.079	1.027	1.026	1.058				
12/31/2011	1.234	1.096	1.030	1.063	1.055	1.024					
12/31/2012	1.180	1.134	1.054	1.124	1.044						
12/31/2013	1.214	1.064	1.073	1.044							
12/31/2014	1.195	1.127	1.077								
12/31/2015	1.261	1.060									
12/31/2016	1.119										
3 Yr Mean	1.192	1.084	1.068	1.077	1.042	1.042	1.039	1.044	1.054	1.023	1.015
Best 3/5	1.196	1.096	1.067	1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.002	1.001	1.001	0.987	0.999	1.000	1.000	1.000			
12/31/1999	1.020	0.989	0.995	1.001	0.996	1.000	1.000	1.000 *			
12/31/2000	1.008	0.997	0.999	0.991	0.993	1.002	1.000 *	1.000 *			
12/31/2001	1.003	0.986	0.997	0.994	1.002	0.998 *	1.000 *	1.000 *			
12/31/2002	0.990	0.985	0.988	1.004	0.995 *	0.998 *	1.000 *	1.000 *			
12/31/2003	1.015	0.974	0.996								
12/31/2004	1.010	1.002									
12/31/2005	1.010										
3 Yr Mean	1.012	0.987	0.994	0.996	0.997 @	1.001 @	1.000 @	1.000 @			
Best 3/5	1.008	0.989	0.996	0.995	0.997 *	0.999 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.053	1.058	1.045	1.044	1.038	1.010	1.008
12/31/2014				1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008
12/31/2015			1.067	1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008
12/31/2016		1.096	1.067	1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008
12/31/2017	1.196	1.096	1.067	1.074	1.053	1.058	1.045	1.044	1.038	1.010	1.008

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.264
12/31/2014	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.357
12/31/2015	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.448
12/31/2016	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.587
12/31/2017	1.008	0.989	0.996	0.995	0.997	0.999	1.000	1.000	1.000*	1.899

\* 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
12/31/1998	1,702,320	3,040,081	5,710,343	9,787,394	13,434,163	16,357,288	18,763,728	21,296,695	23,796,235	25,224,147	26,476,195
12/31/1999	1,706,644	3,481,009	6,584,544	11,573,547	15,174,740	19,147,628	22,704,366	25,851,919	28,821,301	30,522,498	31,171,004
12/31/2000	2,082,708	4,571,790	8,501,617	13,688,601	18,110,072	22,583,205	29,138,435	33,314,507	35,297,406	37,974,189	39,899,359
12/31/2001	3,585,475	7,255,569	13,634,096	19,818,062	25,157,240	31,137,598	37,538,505	41,963,213	45,447,012	47,747,793	48,877,378
12/31/2002	2,812,414	7,314,861	13,990,193	19,958,992	24,526,499	27,847,362	30,694,795	33,146,756	36,559,862	38,405,433	39,831,595
12/31/2003	4,106,008	7,079,115	13,155,073	17,920,363	22,628,689	27,001,329	29,072,709	32,001,664	34,080,879	36,068,582	37,735,027
12/31/2004	3,107,088	6,520,006	12,731,583	19,295,171	23,868,056	28,316,782	33,140,590	37,249,905	42,942,860	46,950,340	51,584,008
12/31/2005	2,188,106	6,777,359	12,498,286	18,937,120	24,170,865	30,321,069	34,242,139	38,174,805	42,711,368	46,347,127	49,065,112
12/31/2006	4,131,944	9,192,167	16,895,780	24,370,355	31,361,053	37,468,485	43,743,652	47,484,975	54,127,947	57,094,149	60,047,340
12/31/2007	4,602,030	9,438,283	17,942,979	24,819,494	31,505,774	38,031,136	42,843,663	47,940,392	52,197,434	56,721,561	59,092,729
12/31/2008	5,530,087	13,401,990	22,164,338	32,789,494	42,293,489	48,477,429	52,480,621	55,783,329	59,932,387	61,891,153	
12/31/2009	7,628,251	15,903,520	27,782,271	40,143,284	49,019,284	55,200,202	59,914,710	65,359,762	67,832,396		
12/31/2010	6,494,399	15,016,572	26,412,918	38,439,930	45,675,009	51,063,411	55,049,171	57,155,081			
12/31/2011	7,387,545	14,645,311	22,625,863	29,582,753	34,787,059	40,288,806	44,845,742				
12/31/2012	5,743,628	12,337,356	20,134,442	28,239,709	36,870,447	41,105,129					
12/31/2013	4,975,286	12,237,160	18,724,264	27,659,718	33,876,647						
12/31/2014	4,761,822	11,439,894	19,251,093	26,086,214							
12/31/2015	5,488,309	11,754,843	19,394,362								
12/31/2016	5,647,316	12,917,082									
12/31/2017	4,451,431										

A.Y.E	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	26,864,043	27,789,325	28,285,537	28,555,717	29,018,742	29,098,335	29,105,461	29,112,865	29,151,670
12/31/1999	32,405,642	33,539,223	33,862,573	34,155,277	34,614,894	34,701,052	34,721,305	34,765,096	
12/31/2000	42,022,772	42,146,448	42,066,803	42,391,725	42,791,912	42,874,057	42,749,270		
12/31/2001	49,755,141	50,130,142	50,402,538	50,856,696	51,410,119	51,570,295			
12/31/2002	41,852,718	43,394,478	43,603,358	44,551,237	45,295,343				
12/31/2003	39,518,823	40,104,993	41,038,263	41,783,695					
12/31/2004	56,230,412	58,226,979	59,174,422						
12/31/2005	49,602,799	50,791,378							
12/31/2006	61,458,224								

Link Ratios: 171 to Ultimate									
A.Y.E	183:171	195:183	207:195	219:207	231:219	243:231	Ult:243		
12/31/1998	1.010	1.016	1.003	1.000	1.000	1.001	1.000	*	
12/31/1999	1.009	1.013	1.002	1.001	1.001	1.000	*	1.000	*
12/31/2000	1.008	1.009	1.002	0.997	1.000	*	1.000	*	1.000
12/31/2001	1.009	1.011	1.003	1.001	*	1.000	*	1.000	*
12/31/2002	1.022	1.017	1.014	*	1.001	*	1.000	*	1.000
12/31/2003	1.018								

Best 3/5      1.012      1.014      1.003 \*      1.000 \*      1.000 \*      1.000 \*      1.000 \*

171 to Ultimate Factor: 1.029

\* 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
12/31/1998	1,337,761	2,670,262	4,077,051	3,646,769	2,923,125	2,406,440	2,532,967	2,499,540	1,427,912	1,252,048	387,848	925,282	496,212
12/31/1999	1,774,365	3,103,535	4,989,003	3,601,193	3,972,888	3,556,738	3,147,553	2,969,382	1,701,197	648,506	1,234,638	1,133,581	323,350
12/31/2000	2,489,082	3,929,827	5,186,984	4,421,471	4,473,133	6,555,230	4,176,072	1,982,899	2,676,783	1,925,170	2,123,413	123,676	-79,645
12/31/2001	3,670,094	6,378,527	6,183,966	5,339,178	5,980,358	6,400,907	4,424,708	3,483,799	2,300,781	1,129,585	877,763	375,001	272,396
12/31/2002	4,502,447	6,675,332	5,968,799	4,567,507	3,320,863	2,847,433	2,451,961	3,413,106	1,845,571	1,426,162	2,021,123	1,541,760	208,880
12/31/2003	2,973,107	6,075,958	4,765,290	4,708,326	4,372,640	2,071,380	2,928,955	2,079,215	1,987,703	1,666,445	1,783,796	586,170	933,270
12/31/2004	3,412,918	6,211,577	6,563,588	4,572,885	4,448,726	4,823,808	4,109,315	5,692,955	4,007,480	4,633,668	4,646,404	1,996,567	947,443
12/31/2005	4,589,253	5,720,927	6,438,834	5,233,745	6,150,204	3,921,070	3,932,666	4,536,563	3,635,759	2,717,985	537,687	1,188,579	
12/31/2006	5,060,223	7,703,613	7,474,575	6,990,698	6,107,432	6,275,167	3,741,323	6,642,972	2,966,202	2,953,191	1,410,884		
12/31/2007	4,836,253	8,504,696	6,876,515	6,686,280	6,525,362	4,812,527	5,096,729	4,257,042	4,524,127	2,371,168			
12/31/2008	7,871,903	8,762,348	10,625,156	9,503,995	6,183,940	4,003,192	3,302,708	4,149,058	1,958,766				
12/31/2009	8,275,269	11,878,751	12,361,013	8,876,000	6,180,918	4,714,508	5,445,052	2,472,634					
12/31/2010	8,522,173	11,396,346	12,027,012	7,235,079	5,388,402	3,985,760	2,105,910						
12/31/2011	7,257,766	7,980,552	6,956,890	5,204,306	5,501,747	4,556,936							
12/31/2012	6,593,728	7,797,086	8,105,267	8,630,738	4,234,682								
12/31/2013	7,261,874	6,487,104	8,935,454	6,216,929									
12/31/2014	6,678,072	7,811,199	6,835,121										
12/31/2015	6,266,534	7,639,519											
12/31/2016	7,269,766												

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
12/31/1998	0.0219	0.0437	0.0667	0.0597	0.0478	0.0394	0.0414	0.0409	0.0234	0.0205	0.0063	0.0151	0.0081
12/31/1999	0.0299	0.0523	0.0840	0.0606	0.0669	0.0599	0.0530	0.0500	0.0287	0.0109	0.0208	0.0191	0.0054
12/31/2000	0.0325	0.0512	0.0676	0.0577	0.0583	0.0855	0.0545	0.0259	0.0349	0.0251	0.0277	0.0016	-0.0010
12/31/2001	0.0472	0.0820	0.0795	0.0687	0.0769	0.0823	0.0569	0.0448	0.0296	0.0145	0.0113	0.0048	0.0035
12/31/2002	0.0601	0.0891	0.0797	0.0610	0.0443	0.0380	0.0327	0.0456	0.0246	0.0190	0.0270	0.0206	0.0028
12/31/2003	0.0445	0.0909	0.0713	0.0705	0.0654	0.0310	0.0438	0.0311	0.0298	0.0249	0.0267	0.0088	0.0140
12/31/2004	0.0413	0.0752	0.0795	0.0554	0.0539	0.0584	0.0498	0.0689	0.0485	0.0561	0.0563	0.0242	0.0115
12/31/2005	0.0603	0.0751	0.0846	0.0687	0.0808	0.0515	0.0517	0.0596	0.0478	0.0357	0.0071	0.0156	
12/31/2006	0.0513	0.0781	0.0758	0.0709	0.0619	0.0636	0.0379	0.0673	0.0301	0.0299	0.0143		
12/31/2007	0.0460	0.0809	0.0654	0.0636	0.0620	0.0458	0.0485	0.0405	0.0430	0.0225			
12/31/2008	0.0594	0.0661	0.0801	0.0717	0.0466	0.0302	0.0249	0.0313	0.0148				
12/31/2009	0.0645	0.0926	0.0964	0.0692	0.0482	0.0368	0.0425	0.0193					
12/31/2010	0.0721	0.0964	0.1017	0.0612	0.0456	0.0337	0.0178						
12/31/2011	0.0661	0.0727	0.0634	0.0474	0.0501	0.0415							
12/31/2012	0.0642	0.0760	0.0790	0.0841	0.0413								
12/31/2013	0.0738	0.0660	0.0909	0.0632									
12/31/2014	0.0673	0.0787	0.0689										
12/31/2015	0.0616	0.0751											
12/31/2016	0.0785												

Best 3/5	0.0685	0.0746	0.0796	0.0645	0.0468	0.0373	0.0351	0.0438	0.0403	0.0302	0.0227	0.0150	0.0059
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LOCAL PRODUCTS (Subline Code 336)  
FULL COVERAGE  
MULTISTATE  
BODILY INJURY - OCCURRENCE  
INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1998	6,603,354	7,253,522	7,896,632	8,197,894	7,835,838	8,024,316	7,980,365	8,091,023	7,981,576	8,030,295	7,895,333
12/31/1999	6,142,053	7,697,553	8,654,000	9,088,278	9,227,342	8,878,522	8,754,949	8,874,063	8,825,854	8,843,826	8,888,835
12/31/2000	6,699,115	8,276,546	9,344,668	10,564,056	9,649,951	9,615,514	9,581,590	9,638,778	9,555,790	9,570,523	9,553,949
12/31/2001	6,352,076	7,916,073	9,227,113	9,523,575	9,406,018	9,654,630	9,702,223	9,589,336	9,644,297	9,626,176	9,674,596
12/31/2002	6,855,389	8,155,926	9,674,373	10,882,225	10,831,400	10,733,645	10,734,250	10,717,630	10,717,830	10,714,008	10,820,009
12/31/2003	4,873,781	6,868,819	9,252,913	9,947,851	10,364,094	10,274,345	10,057,645	9,951,462	9,964,640	10,049,679	9,930,741
12/31/2004	5,920,660	7,265,043	8,604,557	9,357,406	9,132,131	8,792,041	8,865,203	8,708,689	8,747,681	8,769,110	8,740,645
12/31/2005	6,523,861	6,979,114	8,591,444	8,692,104	8,601,315	8,532,951	8,521,084	8,559,957	8,452,837	8,431,706	8,431,557
12/31/2006	5,700,119	7,003,299	8,512,093	8,554,541	8,340,621	8,115,222	7,928,150	7,939,442	8,001,354	8,001,354	8,001,354
12/31/2007	5,696,979	6,655,490	8,131,761	8,074,536	8,275,461	8,120,950	7,968,493	7,746,105	7,636,496	7,651,493	7,651,493
12/31/2008	5,907,820	7,254,565	8,207,563	7,911,496	7,714,057	7,815,903	7,834,320	7,715,569	7,715,569	7,764,569	
12/31/2009	6,695,175	7,467,254	9,039,578	9,155,349	9,060,835	9,052,685	8,980,713	9,004,469	9,008,028		
12/31/2010	7,385,076	8,911,435	10,443,898	10,572,896	10,884,892	10,719,856	10,675,240	10,673,296			
12/31/2011	7,054,099	8,080,706	9,074,815	9,603,294	9,391,812	9,243,217	9,181,408				
12/31/2012	5,072,686	6,395,489	7,624,226	7,770,238	7,781,411	7,741,872					
12/31/2013	5,744,062	6,930,437	7,457,188	7,463,259	7,346,629						
12/31/2014	5,533,284	6,379,028	6,802,359	7,028,511							
12/31/2015	5,526,866	5,776,724	6,494,321								
12/31/2016	4,294,337	5,533,643									
12/31/2017	4,245,209										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	7,918,732	7,908,037	7,908,537	7,909,037	7,913,339	7,938,338	8,138,337	8,113,337	8,133,337
12/31/1999	8,868,289	8,851,340	8,950,340	8,955,141	8,960,141	8,975,141	8,975,141	8,956,943	
12/31/2000	9,650,449	9,575,993	9,612,288	9,648,788	9,638,536	9,618,786	9,743,786		
12/31/2001	9,680,355	9,679,355	9,721,255	9,678,355	9,658,720	9,634,480			
12/31/2002	10,793,071	10,806,070	10,813,600	10,933,599	10,833,600				
12/31/2003	9,919,741	9,909,742	9,909,741	9,919,741					
12/31/2004	8,743,144	8,741,501	8,741,501						
12/31/2005	8,438,981	8,430,514							
12/31/2006	8,001,354								

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
12/31/1998	1.098	1.089	1.038	0.956	1.024	0.995	1.014	0.986	1.006	0.983	1.003
12/31/1999	1.253	1.124	1.050	1.015	0.962	0.986	1.014	0.995	1.002	1.005	0.998
12/31/2000	1.235	1.129	1.130	0.913	0.996	0.996	1.006	0.991	1.002	0.998	1.010
12/31/2001	1.246	1.166	1.032	0.988	1.026	1.005	0.988	1.006	0.998	1.005	1.001
12/31/2002	1.190	1.186	1.125	0.995	0.991	1.000	0.998	1.000	1.000	1.010	0.998
12/31/2003	1.409	1.347	1.075	1.042	0.991	0.979	0.989	1.001	1.009	0.988	0.999
12/31/2004	1.227	1.184	1.087	0.976	0.963	1.008	0.982	1.004	1.002	0.997	1.000
12/31/2005	1.070	1.231	1.012	0.990	0.992	0.999	1.005	0.987	0.998	1.000	1.001
12/31/2006	1.229	1.215	1.005	0.975	0.973	0.977	1.001	1.008	1.000	1.000	1.000
12/31/2007	1.168	1.222	0.993	1.025	0.981	0.981	0.972	0.986	1.002	1.000	
12/31/2008	1.228	1.131	0.964	0.975	1.013	1.002	0.985	1.000	1.006		
12/31/2009	1.115	1.211	1.013	0.990	0.999	0.992	1.003	1.000			
12/31/2010	1.207	1.172	1.012	1.030	0.985	0.996	1.000				
12/31/2011	1.146	1.123	1.058	0.978	0.984	0.993					
12/31/2012	1.261	1.192	1.019	1.001	0.995						
12/31/2013	1.207	1.076	1.001	0.984							
12/31/2014	1.153	1.066	1.033								
12/31/2015	1.045	1.124									
12/31/2016	1.289										
3 Yr Mean	1.162	1.089	1.018	0.988	0.988	0.994	0.996	0.995	1.003	1.000	1.000
Best 3/5	1.207	1.108	1.021	0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	0.999	1.000	1.000	1.001	1.003	1.025	0.997	1.002			
12/31/1999	0.998	1.011	1.001	1.001	1.002	1.000	0.998	1.001 *			
12/31/2000	0.992	1.004	1.004	0.999	0.998	1.013	1.004 *	1.001 *			
12/31/2001	1.000	1.004	0.996	0.998	0.997	1.000 *	1.004 *	1.001 *			
12/31/2002	1.001	1.001	1.011	0.991	0.999 *	1.000 *	1.004 *	1.001 *			
12/31/2003	0.999	1.000	1.001								
12/31/2004	1.000	1.000									
12/31/2005	0.999										
3 Yr Mean	0.999	1.000	1.003	0.996	0.999 @	1.013 @	0.998 @	1.002 @			
Best 3/5	1.000	1.002	1.002	0.999	1.000 *	1.004 *	1.002 *	1.001 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					0.993	0.994	0.995	0.996	1.001	0.999	1.000
12/31/2014				0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000
12/31/2015			1.021	0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000
12/31/2016		1.108	1.021	0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000
12/31/2017	1.207	1.108	1.021	0.992	0.993	0.994	0.995	0.996	1.001	0.999	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	0.989
12/31/2014	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	0.981
12/31/2015	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	1.002
12/31/2016	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	1.110
12/31/2017	1.000	1.002	1.002	0.999	1.000	1.004	1.002	1.001	1.001*	1.340

\* 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
12/31/1998	104,651	183,618	137,402	75,802	75,802	76,802	76,802	76,802	84,345	84,302	84,302
12/31/1999	357,147	246,142	223,437	219,338	221,172	221,172	221,172	221,172	221,172	221,172	221,172
12/31/2000	314,291	528,582	556,688	476,626	501,626	490,970	486,970	487,970	487,970	486,970	521,970
12/31/2001	278,206	352,745	423,834	497,226	463,174	463,174	453,174	453,174	453,174	466,578	466,578
12/31/2002	408,226	436,004	390,234	498,725	484,971	446,232	446,231	446,231	446,231	446,231	446,231
12/31/2003	137,726	261,136	219,409	274,123	191,730	123,445	121,945	96,844	96,844	96,844	96,844
12/31/2004	711,594	664,590	1,075,135	1,252,571	863,010	864,290	841,891	841,890	841,890	841,890	841,890
12/31/2005	648,240	814,848	1,114,321	1,010,826	905,856	988,273	988,272	988,322	988,322	988,951	988,951
12/31/2006	449,818	935,743	937,460	812,104	834,562	834,005	834,005	834,005	834,005	834,005	834,005
12/31/2007	366,539	604,551	956,120	997,329	947,160	937,260	937,260	968,260	968,260	968,260	962,260
12/31/2008	527,184	422,912	537,374	427,853	351,603	368,464	367,964	367,964	367,964	367,964	
12/31/2009	283,339	295,250	308,523	246,539	438,219	439,219	439,119	439,130	439,119		
12/31/2010	430,140	332,606	401,643	289,143	389,473	389,473	389,473	383,473			
12/31/2011	427,122	653,662	887,478	869,628	877,128	860,729	947,229				
12/31/2012	334,430	460,418	559,627	584,465	718,991	672,795					
12/31/2013	398,180	730,228	918,552	1,034,380	1,049,787						
12/31/2014	948,609	1,103,449	1,048,701	1,319,364							
12/31/2015	609,327	835,185	910,497								
12/31/2016	446,718	579,212									
12/31/2017	529,178										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	84,302	84,302	84,302	84,302	84,302	84,302	85,302	104,302	184,302
12/31/1999	221,172	221,172	247,673	247,673	247,673	247,673	247,673	247,673	
12/31/2000	505,070	505,571	571,905	560,889	567,011	566,053	562,052		
12/31/2001	466,578	463,774	505,428	505,428	480,116	475,915			
12/31/2002	446,231	446,231	446,231	438,731	438,731				
12/31/2003	96,844	96,844	96,844	96,844					
12/31/2004	841,893	841,890	841,890						
12/31/2005	988,951	988,951							
12/31/2006	834,005								

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
12/31/1998	1.755	0.748	0.552	1.000	1.013	1.000	1.000	1.098	0.999	1.000	1.000
12/31/1999	0.689	0.908	0.982	1.008	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2000	1.682	1.053	0.856	1.052	0.979	0.992	1.002	1.000	0.998	1.072	0.968
12/31/2001	1.268	1.202	1.173	0.932	1.000	0.978	1.000	1.000	1.030	1.000	1.000
12/31/2002	1.068	0.895	1.278	0.972	0.920	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2003	1.896	0.840	1.249	0.699	0.644	0.988	0.794	1.000	1.000	1.000	1.000
12/31/2004	0.934	1.618	1.165	0.689	1.001	0.974	1.000	1.000	1.000	1.000	1.000
12/31/2005	1.257	1.368	0.907	0.896	1.091	1.000	1.000	1.000	1.001	1.000	1.000
12/31/2006	2.080	1.002	0.866	1.028	0.999	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2007	1.649	1.582	1.043	0.950	0.990	1.000	1.033	1.000	1.000	0.994	
12/31/2008	0.802	1.271	0.796	0.822	1.048	0.999	1.000	1.000	1.000		
12/31/2009	1.042	1.045	0.799	1.777	1.002	1.000	1.000	1.000			
12/31/2010	0.773	1.208	0.720	1.347	1.000	1.000	0.985				
12/31/2011	1.530	1.358	0.980	1.009	0.981	1.100					
12/31/2012	1.377	1.215	1.044	1.230	0.936						
12/31/2013	1.834	1.258	1.126	1.015							
12/31/2014	1.163	0.950	1.258								
12/31/2015	1.371	1.090									
12/31/2016	1.297										

3 Yr Mean	1.277	1.099	1.143	1.085	0.972	1.033	0.995	1.000	1.000	0.998	1.000
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Best 3/5	1.348	1.188	1.050	1.197	0.994	1.000	1.000	1.000	1.000	1.000	1.000
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A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.012	1.223	1.767			
12/31/1999	1.000	1.120	1.000	1.000	1.000	1.000	1.000	0.999 *			
12/31/2000	1.001	1.131	0.981	1.011	0.998	0.993	0.999 *	0.999 *			
12/31/2001	0.994	1.090	1.000	0.950	0.991	0.999 *	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								
12/31/2004	1.000	1.000									
12/31/2005	1.000										

3 Yr Mean	1.000	1.000	0.994	0.987	0.996 @	1.002 @	1.112 @	1.767 @			
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Best 3/5	1.000	1.030	0.994	1.000	0.999 *	0.999 *	0.999 *	0.999 *			
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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
12/31/2013					0.994	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2014				1.197	0.994	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2015			1.050	1.197	0.994	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2016		1.188	1.050	1.197	0.994	1.000	1.000	1.000	1.000	1.000	1.000
12/31/2017	1.348	1.188	1.050	1.197	0.994	1.000	1.000	1.000	1.000	1.000	1.000

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	1.010
12/31/2014	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	1.208
12/31/2015	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	1.269
12/31/2016	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	1.507
12/31/2017	1.000	1.030	0.994	1.000	0.999	0.999	0.999	0.999	0.996*	2.032

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

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

Allocated Expenses as of:

<u>A.Y.E</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	782,535	1,588,636	2,379,963	2,682,330	2,401,677	2,476,134	2,487,849	2,589,249	2,722,147	2,761,760	2,781,079
12/31/1999	804,830	1,804,858	2,421,437	3,104,940	3,451,637	3,454,393	3,553,122	3,947,790	3,944,424	3,981,985	3,992,803
12/31/2000	1,159,693	1,520,745	2,490,459	3,768,949	4,532,835	4,868,694	5,006,790	4,951,638	4,992,285	5,010,477	5,036,148
12/31/2001	969,397	2,089,857	3,423,276	4,302,598	5,412,860	5,911,296	6,814,968	7,066,509	7,320,893	7,160,303	7,316,468
12/31/2002	1,622,388	2,448,370	3,853,938	4,570,868	5,601,176	5,915,951	6,019,450	6,173,084	6,235,265	6,238,780	6,336,926
12/31/2003	775,229	1,568,608	2,410,896	3,219,598	3,963,631	4,335,908	4,514,062	4,493,533	4,502,781	4,541,629	4,615,595
12/31/2004	677,539	1,395,074	2,411,235	3,069,582	3,603,723	3,810,694	3,953,399	4,095,492	4,093,434	4,092,649	4,093,394
12/31/2005	538,158	1,223,369	2,263,008	2,814,412	3,992,525	3,311,500	3,427,332	3,437,255	3,433,484	3,414,297	3,414,327
12/31/2006	704,999	1,682,540	2,861,539	4,142,879	4,908,842	5,258,487	5,367,267	5,324,519	5,357,829	5,353,150	5,353,150
12/31/2007	718,684	1,564,273	2,978,139	3,577,675	4,326,571	4,578,059	4,785,327	4,624,380	4,662,640	4,658,519	4,660,655
12/31/2008	564,562	1,301,056	2,729,685	3,323,728	3,566,757	3,681,452	3,753,154	3,786,407	3,800,681	3,804,721	
12/31/2009	589,235	1,501,659	3,313,055	3,354,146	3,976,251	3,958,274	3,974,501	3,988,117	3,986,272		
12/31/2010	929,929	1,905,378	3,352,814	4,721,453	5,883,707	5,995,346	5,929,873	5,937,282			
12/31/2011	742,749	1,408,392	2,747,985	3,966,704	4,629,352	4,974,405	5,125,278				
12/31/2012	619,515	1,627,529	3,647,040	4,666,743	5,252,168	5,688,957					
12/31/2013	1,031,627	2,217,391	3,674,380	4,735,519	5,368,138						
12/31/2014	804,849	1,507,463	2,361,620	2,885,133							
12/31/2015	553,190	1,068,995	1,822,961								
12/31/2016	498,832	1,250,373									
12/31/2017	535,956										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	2,795,489	2,803,203	2,813,739	2,838,654	2,836,048	2,843,591	2,994,053	3,104,177	3,118,389
12/31/1999	4,024,326	4,038,127	4,229,068	4,259,781	4,208,030	4,223,791	4,237,879	4,238,256	
12/31/2000	5,435,453	5,200,312	5,270,429	5,323,168	5,385,359	5,408,612	5,451,990		
12/31/2001	7,421,602	7,590,412	7,700,639	7,843,658	8,027,569	8,164,750			
12/31/2002	6,389,619	6,453,378	6,459,201	6,724,259	6,495,731				
12/31/2003	4,595,885	4,595,885	4,593,778	4,643,778					
12/31/2004	4,090,594	4,113,261	4,110,140						
12/31/2005	3,414,327	3,444,774							
12/31/2006	5,353,150								

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

Increments													
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1998	806,101	791,327	302,367	-280,653	74,457	11,715	101,400	132,898	39,613	19,319	14,410	7,714	10,536
12/31/1999	1,000,028	616,579	683,503	346,697	2,756	98,729	394,668	-3,366	37,561	10,818	31,523	13,801	190,941
12/31/2000	361,052	969,714	1,278,490	763,886	335,859	138,096	-55,152	40,647	18,192	25,671	399,305	-235,141	70,117
12/31/2001	1,120,460	1,333,419	879,322	1,110,262	498,436	903,672	251,541	254,384	-160,590	156,165	105,134	168,810	110,227
12/31/2002	825,982	1,405,568	716,930	1,030,308	314,775	103,499	153,634	62,181	3,515	98,146	52,693	63,759	5,823
12/31/2003	793,379	842,288	808,702	744,033	372,277	178,154	-20,529	9,248	38,848	73,966	-19,710	0	-2,107
12/31/2004	717,535	1,016,161	658,347	534,141	206,971	142,705	142,093	-2,058	-785	745	-2,800	22,667	-3,121
12/31/2005	685,211	1,039,639	551,404	1,178,113	-681,025	115,832	9,923	-3,771	-19,187	30	0	30,447	
12/31/2006	977,541	1,178,999	1,281,340	765,963	349,645	108,780	-42,748	33,310	-4,679	0	0		
12/31/2007	845,589	1,413,866	599,536	748,896	251,488	207,268	-160,947	38,260	-4,121	2,136			
12/31/2008	736,494	1,428,629	594,043	243,029	114,695	71,702	33,253	14,274	4,040				
12/31/2009	912,424	1,811,396	41,091	622,105	-17,977	16,227	13,616	-1,845					
12/31/2010	975,449	1,447,436	1,368,639	1,162,254	111,639	-65,473	7,409						
12/31/2011	665,643	1,339,593	1,218,719	662,648	345,053	150,873							
12/31/2012	1,008,014	2,019,511	1,019,703	585,425	436,789								
12/31/2013	1,185,764	1,456,989	1,061,139	632,619									
12/31/2014	702,614	854,157	523,513										
12/31/2015	515,805	753,966											
12/31/2016	751,541												

Incremental Percentages													
<u>A.Y.E</u>	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1998	0.0643	0.0631	0.0241	-0.0224	0.0059	0.0009	0.0081	0.0106	0.0032	0.0015	0.0011	0.0006	0.0008
12/31/1999	0.0785	0.0484	0.0536	0.0272	0.0002	0.0077	0.0310	-0.0003	0.0029	0.0008	0.0025	0.0011	0.0150
12/31/2000	0.0255	0.0686	0.0904	0.0540	0.0238	0.0098	-0.0039	0.0029	0.0013	0.0018	0.0282	-0.0166	0.0050
12/31/2001	0.0800	0.0952	0.0628	0.0792	0.0356	0.0645	0.0180	0.0182	-0.0115	0.0111	0.0075	0.0120	0.0079
12/31/2002	0.0461	0.0785	0.0400	0.0576	0.0176	0.0058	0.0086	0.0035	0.0002	0.0055	0.0029	0.0036	0.0003
12/31/2003	0.0470	0.0499	0.0479	0.0441	0.0221	0.0106	-0.0012	0.0005	0.0023	0.0044	-0.0012	0.0000	-0.0001
12/31/2004	0.0576	0.0816	0.0529	0.0429	0.0166	0.0115	0.0114	-0.0002	-0.0001	0.0001	-0.0002	0.0018	-0.0003
12/31/2005	0.0508	0.0771	0.0409	0.0874	-0.0505	0.0086	0.0007	-0.0003	-0.0014	0.0000	0.0000	0.0023	
12/31/2006	0.0749	0.0904	0.0982	0.0587	0.0268	0.0083	-0.0033	0.0026	-0.0004	0.0000	0.0000		
12/31/2007	0.0577	0.0965	0.0409	0.0511	0.0172	0.0141	-0.0110	0.0026	-0.0003	0.0001			
12/31/2008	0.0547	0.1061	0.0441	0.0181	0.0085	0.0053	0.0025	0.0011	0.0003				
12/31/2009	0.0676	0.1341	0.0030	0.0461	-0.0013	0.0012	0.0010	-0.0001					
12/31/2010	0.0625	0.0928	0.0877	0.0745	0.0072	-0.0042	0.0005						
12/31/2011	0.0443	0.0891	0.0811	0.0441	0.0230	0.0100							
12/31/2012	0.0798	0.1600	0.0808	0.0464	0.0346								
12/31/2013	0.1003	0.1232	0.0898	0.0535									
12/31/2014	0.0666	0.0810	0.0496										
12/31/2015	0.0466	0.0682											
12/31/2016	0.0682												

Best 3/5	0.0716	0.0978	0.0832	0.0487	0.0129	0.0055	-0.0006	0.0012	-0.0002	0.0001	-0.0001	0.0025	0.0017
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LOCAL PRODUCTS (Subline Code 336)  
 FULL COVERAGE  
 MULTISTATE  
 BODILY INJURY - OCCURRENCE  
 INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	Link Ratios						
	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1998	1.009	0.999	1.003	1.053	1.037	1.005	1.020 *
12/31/1999	1.007	0.988	1.004	1.003	1.000	1.005 *	1.020 *
12/31/2000	1.010	1.012	1.004	1.008	1.005 *	1.005 *	1.020 *
12/31/2001	1.019	1.023	1.017	1.004 *	1.005 *	1.005 *	1.020 *
12/31/2002	1.041	0.966	1.000 *	1.004 *	1.005 *	1.005 *	1.020 *
12/31/2003	1.011						
Best 3/5	1.013	1.000	1.004 *	1.005 *	1.005 *	1.005 *	1.020 *

171 to Ultimate Factor: 1.053

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.324	0.253	0.155	0.072	0.023	0.010	0.005
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.005	0.004	0.004	0.004	0.004	0.002	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	1,624,227	10,977,948	0.155	1,701,597	3,325,824	1.053	3,501,914
12/31/2016	1,337,232	13,733,437	0.253	3,474,569	4,811,801	1.053	5,066,650
12/31/2017	450,529	16,693,654	0.324	5,408,747	5,859,276	1.053	6,169,663

\* Calculated Using Modified Bondy Method



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

\$100,000 Basic Limit Losses as of:

<u>A.Y.E.</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	1,357,849	1,570,388	1,810,690	1,972,268	1,990,396	1,839,801	1,878,186	1,854,737	1,901,718	2,032,187	1,951,608
12/31/1999	1,606,756	2,001,530	2,076,139	2,237,951	2,242,488	2,225,805	2,330,001	2,302,722	2,364,574	2,310,129	2,328,101
12/31/2000	2,145,123	2,362,105	2,560,983	2,650,947	2,840,011	3,188,583	3,045,996	3,066,472	3,229,148	3,308,331	3,316,247
12/31/2001	1,723,427	1,771,522	2,049,556	2,126,256	2,008,026	2,060,359	2,226,835	2,399,411	2,407,137	2,479,793	2,473,939
12/31/2002	1,624,590	1,770,089	1,925,803	1,935,445	1,895,509	1,955,304	2,034,052	2,030,021	2,080,638	2,145,760	2,210,145
12/31/2003	1,451,202	2,060,436	2,369,542	2,323,010	2,599,406	2,600,918	2,637,432	2,651,498	2,656,644	2,707,534	2,708,088
12/31/2004	2,207,932	2,488,408	2,505,076	2,445,214	2,510,420	2,516,998	2,445,625	2,484,108	2,504,957	2,513,440	2,508,407
12/31/2005	2,957,140	3,221,765	3,445,324	3,534,285	3,594,929	3,476,741	3,490,097	3,536,585	3,545,955	3,539,665	3,539,943
12/31/2006	3,172,541	3,693,344	3,685,326	3,719,155	3,734,006	3,882,609	3,891,364	4,072,072	4,119,501	4,196,596	4,189,570
12/31/2007	3,032,916	3,114,256	3,102,429	3,437,140	3,712,959	3,682,262	3,824,707	3,797,308	3,789,568	3,762,779	3,771,491
12/31/2008	3,885,793	4,235,868	4,378,591	4,469,965	4,662,154	4,909,703	5,165,659	5,520,397	5,762,539	5,817,484	
12/31/2009	3,677,916	3,837,043	3,868,702	3,896,620	3,880,093	4,106,570	4,116,404	4,261,776	4,327,026		
12/31/2010	4,626,754	4,688,667	4,958,814	4,935,589	4,539,229	4,776,791	4,777,994	4,712,952			
12/31/2011	4,375,000	4,535,427	4,833,244	4,773,187	4,880,574	5,035,491	4,992,592				
12/31/2012	4,133,493	4,253,483	3,978,823	3,853,150	4,010,514	4,007,746					
12/31/2013	3,841,205	3,729,742	4,334,354	4,154,245	4,180,233						
12/31/2014	3,463,496	3,787,789	3,689,972	3,911,913							
12/31/2015	4,707,377	4,990,802	5,598,977								
12/31/2016	4,548,190	4,524,846									
12/31/2017	4,259,746										

<u>A.Y.E.</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	1,878,997	1,884,282	1,883,747	1,883,747	1,886,919	1,883,586	1,883,585	1,883,585	1,886,085
12/31/1999	2,340,378	2,421,200	2,431,483	2,405,972	2,470,871	2,472,072	2,469,571	2,469,571	
12/31/2000	3,322,892	3,316,140	3,319,639	3,312,637	3,312,636	3,310,636	3,310,636		
12/31/2001	2,456,528	2,413,606	2,419,100	2,420,279	2,432,286	2,432,286			
12/31/2002	2,192,041	2,257,683	2,264,558	2,273,158	2,290,451				
12/31/2003	2,748,144	2,732,930	2,716,879	2,739,175					
12/31/2004	2,483,629	2,485,408	2,597,900						
12/31/2005	3,535,343	3,521,102							
12/31/2006	4,242,891								

LOCAL PRODUCTS (Subline Code 336)  
FULL COVERAGE  
MULTISTATE

PROPERTY DAMAGE - OCCURRENCE

INCURRED ACCIDENT YEAR BASIC LIMITS LOSS DEVELOPMENT EXCLUDING ALAE  
Link Ratios

A.Y.E.	27: 15	39: 27	51: 39	63: 51	75: 63	87: 75	99: 87	111: 99	123:111	135:123	147:135
12/31/1998	1.157	1.153	1.089	1.009	0.924	1.021	0.988	1.025	1.069	0.960	0.963
12/31/1999	1.246	1.037	1.078	1.002	0.993	1.047	0.988	1.027	0.977	1.008	1.005
12/31/2000	1.101	1.084	1.035	1.071	1.123	0.955	1.007	1.053	1.025	1.002	1.002
12/31/2001	1.028	1.157	1.037	0.944	1.026	1.081	1.077	1.003	1.030	0.998	0.993
12/31/2002	1.090	1.088	1.005	0.979	1.032	1.040	0.998	1.025	1.031	1.030	0.992
12/31/2003	1.420	1.150	0.980	1.119	1.001	1.014	1.005	1.002	1.019	1.000	1.015
12/31/2004	1.127	1.007	0.976	1.027	1.003	0.972	1.016	1.008	1.003	0.998	0.990
12/31/2005	1.089	1.069	1.026	1.017	0.967	1.004	1.013	1.003	0.998	1.000	0.999
12/31/2006	1.164	0.998	1.009	1.004	1.040	1.002	1.046	1.012	1.019	0.998	1.013
12/31/2007	1.027	0.996	1.108	1.080	0.992	1.039	0.993	0.998	0.993	1.002	
12/31/2008	1.090	1.034	1.021	1.043	1.053	1.052	1.069	1.044	1.010		
12/31/2009	1.043	1.008	1.007	0.996	1.058	1.002	1.035	1.015			
12/31/2010	1.013	1.058	0.995	0.920	1.052	1.000	0.986				
12/31/2011	1.037	1.066	0.988	1.022	1.032	0.991					
12/31/2012	1.029	0.935	0.968	1.041	0.999						
12/31/2013	0.971	1.162	0.958	1.006							
12/31/2014	1.094	0.974	1.060								
12/31/2015	1.060	1.122									
12/31/2016	0.995										
3 Yr Mean	1.050	1.086	0.995	1.023	1.028	0.998	1.030	1.019	1.007	1.000	1.001
Best 3/5	1.028	1.054	0.984	1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.003	1.000	1.000	1.002	0.998	1.000	1.000	1.001			
12/31/1999	1.035	1.004	0.990	1.027	1.000	0.999	1.000	1.000 *			
12/31/2000	0.998	1.001	0.998	1.000	0.999	1.000	1.000 *	1.000 *			
12/31/2001	0.983	1.002	1.000	1.005	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	1.030	1.003	1.004	1.008	1.005 *	1.000 *	1.000 *	1.000 *			
12/31/2003	0.994	0.994	1.008								
12/31/2004	1.001	1.045									
12/31/2005	0.996										
3 Yr Mean	0.997	1.014	1.004	1.004	1.000 @	1.000 @	1.000 @	1.001 @			
Best 3/5	0.997	1.002	1.001	1.005	1.000 *	1.000 *	1.000 *	1.000 *			

A.Y.E.	15/ 27	27/ 39	39/ 51	51/ 63	63/ 75	75/ 87	87/ 99	99/111	111/123	123/135	135/147
12/31/2013					1.046	1.014	1.025	1.010	1.004	0.999	1.001
12/31/2014				1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001
12/31/2015			0.984	1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001
12/31/2016		1.054	0.984	1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001
12/31/2017	1.028	1.054	0.984	1.008	1.046	1.014	1.025	1.010	1.004	0.999	1.001

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.108
12/31/2014	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.117
12/31/2015	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.099
12/31/2016	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.158
12/31/2017	0.997	1.002	1.001	1.005	1.000	1.000	1.000	1.000	1.000*	1.191

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

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

\$100,000 Basic Limit Losses as of:

A.Y.E.	15 Months	27 Months	39 Months	51 Months	63 Months	75 Months	87 Months	99 Months	111 Months	123 Months	135 Months
12/31/1998	157,924	224,899	253,590	229,478	251,902	259,200	225,813	222,912	284,696	286,522	285,522
12/31/1999	125,391	316,529	317,617	282,616	308,229	292,253	273,195	272,697	279,695	272,695	272,695
12/31/2000	150,416	248,134	188,848	196,780	189,280	253,280	237,878	257,878	215,285	215,285	215,285
12/31/2001	208,337	185,152	211,169	225,824	225,824	216,726	265,726	270,726	265,727	267,726	365,726
12/31/2002	126,361	142,070	179,489	193,002	260,082	377,800	491,895	473,896	511,136	547,821	575,216
12/31/2003	301,928	273,260	286,387	400,997	521,569	603,103	647,217	719,333	800,317	989,921	1,086,391
12/31/2004	271,414	148,753	234,289	358,922	445,685	636,408	620,290	908,519	1,012,477	1,091,692	1,300,429
12/31/2005	197,281	268,813	319,792	399,663	440,559	544,464	604,272	604,850	649,740	1,097,958	1,212,221
12/31/2006	329,693	314,413	429,191	574,642	694,425	791,636	765,563	789,657	977,751	1,111,968	1,015,782
12/31/2007	444,093	654,857	681,805	622,939	592,373	583,394	587,261	684,261	681,411	678,189	678,189
12/31/2008	341,102	249,777	378,523	377,040	388,540	386,540	486,540	486,540	480,041	480,041	
12/31/2009	183,622	185,756	157,956	156,256	156,356	263,169	263,069	363,069	363,069		
12/31/2010	263,109	267,778	262,233	266,329	360,329	360,329	360,329	360,329			
12/31/2011	286,889	314,097	286,926	308,426	286,515	296,515	288,515				
12/31/2012	261,577	237,466	244,631	252,528	238,888	238,888					
12/31/2013	488,486	533,285	562,590	712,931	694,020						
12/31/2014	417,949	518,128	511,190	582,196							
12/31/2015	656,374	749,798	728,287								
12/31/2016	937,497	1,067,681									
12/31/2017	872,110										

A.Y.E.	147 Months	159 Months	171 Months	183 Months	195 Months	207 Months	219 Months	231 Months	243 Months
12/31/1998	285,637	285,637	285,637	285,637	285,637	285,637	285,637	285,637	285,637
12/31/1999	272,695	272,695	272,695	272,695	272,695	272,695	272,695	272,695	
12/31/2000	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			
12/31/2002	574,442	569,196	569,552	575,757	575,757				
12/31/2003	1,280,210	1,300,582	1,222,192	1,171,335					
12/31/2004	1,292,790	1,187,108	1,181,039						
12/31/2005	1,201,211	1,211,321							
12/31/2006	989,512								

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
12/31/1998	1.424	1.128	0.905	1.098	1.029	0.871	0.987	1.277	1.006	0.997	1.000
12/31/1999	2.524	1.003	0.890	1.091	0.948	0.935	0.998	1.026	0.975	1.000	1.000
12/31/2000	1.650	0.761	1.042	0.962	1.338	0.939	1.084	0.835	1.000	1.000	1.000
12/31/2001	0.889	1.141	1.069	1.000	0.960	1.226	1.019	0.982	1.008	1.366	1.000
12/31/2002	1.124	1.263	1.075	1.348	1.453	1.302	0.963	1.079	1.072	1.050	0.999
12/31/2003	0.905	1.048	1.400	1.301	1.156	1.073	1.111	1.113	1.237	1.097	1.178
12/31/2004	0.548	1.575	1.532	1.242	1.428	0.975	1.465	1.114	1.078	1.191	0.994
12/31/2005	1.363	1.190	1.250	1.102	1.236	1.110	1.001	1.074	1.690	1.104	0.991
12/31/2006	0.954	1.365	1.339	1.208	1.140	0.967	1.031	1.238	1.137	0.913	0.974
12/31/2007	1.475	1.041	0.914	0.951	0.985	1.007	1.165	0.996	0.995	1.000	
12/31/2008	0.732	1.515	0.996	1.031	0.995	1.259	1.000	0.987	1.000		
12/31/2009	1.012	0.850	0.989	1.001	1.683	1.000	1.380	1.000			
12/31/2010	1.018	0.979	1.016	1.353	1.000	1.000	1.000				
12/31/2011	1.095	0.913	1.075	0.929	1.035	0.973					
12/31/2012	0.908	1.030	1.032	0.946	1.000						
12/31/2013	1.092	1.055	1.267	0.973							
12/31/2014	1.240	0.987	1.139								
12/31/2015	1.142	0.971									
12/31/2016	1.139										

3 Yr Mean 1.174 1.004 1.146 0.949 1.012 0.991 1.127 0.994 1.044 1.006 0.986

Best 3/5 1.124 0.996 1.082 0.973 1.012 1.002 1.065 1.023 1.072 1.067 0.995

A.Y.E.	159:147	171:159	183:171	195:183	207:195	219:207	231:219	243:231			
12/31/1998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
12/31/1999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *			
12/31/2000	1.000	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *			
12/31/2001	1.000	1.000	1.000	1.000	1.000	1.000 *	1.000 *	1.000 *			
12/31/2002	0.991	1.001	1.011	1.000	1.000 *	1.000 *	1.000 *	1.000 *			
12/31/2003	1.016	0.940	0.958								
12/31/2004	0.918	0.995									
12/31/2005	1.008										

3 Yr Mean 0.981 0.979 0.990 1.000 1.000 @ 1.000 @ 1.000 @ 1.000 @

Best 3/5 1.000 0.998 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
12/31/2013					1.012	1.002	1.065	1.023	1.072	1.067	0.995
12/31/2014				0.973	1.012	1.002	1.065	1.023	1.072	1.067	0.995
12/31/2015			1.082	0.973	1.012	1.002	1.065	1.023	1.072	1.067	0.995
12/31/2016		0.996	1.082	0.973	1.012	1.002	1.065	1.023	1.072	1.067	0.995
12/31/2017	1.124	0.996	1.082	0.973	1.012	1.002	1.065	1.023	1.072	1.067	0.995

A.Y.E.	147/159	159/171	171/183	183/195	195/207	207/219	219/231	231/243	243/U1t	FACTORS
12/31/2013	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.255
12/31/2014	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.221
12/31/2015	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.321
12/31/2016	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.316
12/31/2017	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000*	1.479

\* Calculated Using Modified Bondy Method

@ Three year mean Excludes Modified Bondy ratios

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

Allocated Expenses as of:

<u>A.Y.E</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>	<u>135 Months</u>
12/31/1998	91,782	141,656	257,077	417,474	522,484	679,308	712,032	693,170	846,549	1,136,869	1,396,280
12/31/1999	181,936	337,067	603,218	766,776	842,083	936,228	1,125,458	1,229,613	1,373,857	1,556,607	1,687,060
12/31/2000	302,940	496,355	721,571	877,421	1,100,407	1,356,273	1,776,124	1,995,380	2,169,664	2,469,497	2,639,991
12/31/2001	216,535	309,054	519,615	757,525	906,521	1,142,063	1,586,443	1,917,847	1,868,832	2,072,075	2,196,340
12/31/2002	181,573	341,083	591,644	911,289	1,013,752	1,140,026	1,229,580	1,303,088	1,364,666	1,562,005	1,752,328
12/31/2003	65,613	686,781	1,048,042	1,219,104	1,372,862	1,409,879	1,468,581	1,558,976	1,632,964	1,734,881	1,818,596
12/31/2004	167,404	323,283	492,704	693,371	817,596	992,571	1,013,791	1,035,205	1,066,627	1,074,808	1,102,415
12/31/2005	256,929	343,197	641,866	833,939	886,939	975,469	1,040,434	1,164,142	1,158,657	1,157,967	1,162,276
12/31/2006	165,429	402,611	691,807	1,000,699	1,290,385	1,637,987	1,719,758	2,029,803	2,077,679	2,167,619	2,169,214
12/31/2007	418,783	925,799	1,293,409	2,026,117	2,376,159	2,821,493	2,852,466	3,071,495	3,141,447	3,120,844	2,994,079
12/31/2008	438,170	1,034,773	1,521,967	2,586,147	3,562,178	5,773,199	8,274,706	9,698,489	9,683,777	9,087,789	
12/31/2009	669,778	1,166,618	1,302,927	1,334,905	1,492,762	1,563,893	1,874,710	2,056,703	2,081,430		
12/31/2010	230,371	431,467	751,051	1,109,447	1,215,671	1,378,877	1,584,760	1,775,279			
12/31/2011	417,167	766,501	1,157,854	1,546,670	1,865,811	1,877,509	1,905,119				
12/31/2012	270,654	573,679	966,473	1,109,502	1,308,007	1,493,387					
12/31/2013	436,669	593,795	868,303	1,085,225	1,308,462						
12/31/2014	215,770	526,240	763,031	1,002,559							
12/31/2015	427,785	858,191	1,216,821								
12/31/2016	333,294	640,742									
12/31/2017	438,060										

<u>A.Y.E</u>	<u>147 Months</u>	<u>159 Months</u>	<u>171 Months</u>	<u>183 Months</u>	<u>195 Months</u>	<u>207 Months</u>	<u>219 Months</u>	<u>231 Months</u>	<u>243 Months</u>
12/31/1998	1,403,445	1,413,209	1,425,838	1,425,562	1,426,073	1,423,563	1,423,563	1,423,563	1,423,563
12/31/1999	2,084,368	2,219,312	2,379,849	2,502,487	2,519,533	2,520,259	2,520,321	2,520,321	
12/31/2000	2,789,366	2,902,067	2,967,577	2,914,387	2,938,923	2,963,923	2,958,388		
12/31/2001	2,311,057	2,398,464	2,426,334	2,515,945	2,742,434	2,742,434			
12/31/2002	1,844,219	2,116,841	2,275,683	2,306,670	2,306,395				
12/31/2003	1,879,279	1,898,546	1,921,828	1,965,853					
12/31/2004	1,102,371	1,116,272	1,146,297						
12/31/2005	1,339,277	1,215,109							
12/31/2006	2,341,464								

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

Increments													
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1998	49,874	115,421	160,397	105,010	156,824	32,724	-18,862	153,379	290,320	259,411	7,165	9,764	12,629
12/31/1999	155,131	266,151	163,558	75,307	94,145	189,230	104,155	144,244	182,750	130,453	397,308	134,944	160,537
12/31/2000	193,415	225,216	155,850	222,986	255,866	419,851	219,256	174,284	299,833	170,494	149,375	112,701	65,510
12/31/2001	92,519	210,561	237,910	148,996	235,542	444,380	331,404	-49,015	203,243	124,265	114,717	87,407	27,870
12/31/2002	159,510	250,561	319,645	102,463	126,274	89,554	73,508	61,578	197,339	190,323	91,891	272,622	158,842
12/31/2003	621,168	361,261	171,062	153,758	37,017	58,702	90,395	73,988	101,917	83,715	60,683	19,267	23,282
12/31/2004	155,879	169,421	200,667	124,225	174,975	21,220	21,414	31,422	8,181	27,607	-44	13,901	30,025
12/31/2005	86,268	298,669	192,073	53,000	88,530	64,965	123,708	-5,485	-690	4,309	177,001	-124,168	
12/31/2006	237,182	289,196	308,892	289,686	347,602	81,771	310,045	47,876	89,940	1,595	172,250		
12/31/2007	507,016	367,610	732,708	350,042	445,334	30,973	219,029	69,952	-20,603	-126,765			
12/31/2008	596,603	487,194	1,064,180	976,031	2,211,021	2,501,507	1,423,783	-14,712	-595,988				
12/31/2009	496,840	136,309	31,978	157,857	71,131	310,817	181,993	24,727					
12/31/2010	201,096	319,584	358,396	106,224	163,206	205,883	190,519						
12/31/2011	349,334	391,353	388,816	319,141	11,698	27,610							
12/31/2012	303,025	392,794	143,029	198,505	185,380								
12/31/2013	157,126	274,508	216,922	223,237									
12/31/2014	310,470	236,791	239,528										
12/31/2015	430,406	358,630											
12/31/2016	307,448												

Incremental Percentages													
A.Y.E	<u>27: 15</u>	<u>39: 27</u>	<u>51: 39</u>	<u>63: 51</u>	<u>75: 63</u>	<u>87: 75</u>	<u>99: 87</u>	<u>111: 99</u>	<u>123: 111</u>	<u>135: 123</u>	<u>147: 135</u>	<u>159:147</u>	<u>171:159</u>
12/31/1998	0.0252	0.0583	0.0810	0.0530	0.0792	0.0165	-0.0095	0.0775	0.1466	0.1310	0.0036	0.0049	0.0064
12/31/1999	0.0502	0.0862	0.0530	0.0244	0.0305	0.0613	0.0337	0.0467	0.0592	0.0423	0.1287	0.0437	0.0520
12/31/2000	0.0457	0.0532	0.0368	0.0527	0.0604	0.0991	0.0518	0.0412	0.0708	0.0403	0.0353	0.0266	0.0155
12/31/2001	0.0284	0.0646	0.0730	0.0457	0.0723	0.1364	0.1017	-0.0150	0.0624	0.0381	0.0352	0.0268	0.0086
12/31/2002	0.0685	0.1076	0.1373	0.0440	0.0542	0.0385	0.0316	0.0264	0.0848	0.0817	0.0395	0.1171	0.0682
12/31/2003	0.2140	0.1245	0.0589	0.0530	0.0128	0.0202	0.0311	0.0255	0.0351	0.0288	0.0209	0.0066	0.0080
12/31/2004	0.0530	0.0576	0.0682	0.0422	0.0595	0.0072	0.0073	0.0107	0.0028	0.0094	0.0000	0.0047	0.0102
12/31/2005	0.0213	0.0739	0.0475	0.0131	0.0219	0.0161	0.0306	-0.0014	-0.0002	0.0011	0.0438	-0.0307	
12/31/2006	0.0478	0.0582	0.0622	0.0583	0.0700	0.0165	0.0624	0.0096	0.0181	0.0003	0.0347		
12/31/2007	0.0990	0.0717	0.1430	0.0683	0.0869	0.0060	0.0427	0.0137	-0.0040	-0.0247			
12/31/2008	0.0904	0.0738	0.1612	0.1479	0.3350	0.3790	0.2157	-0.0022	-0.0903				
12/31/2009	0.1088	0.0299	0.0070	0.0346	0.0156	0.0681	0.0399	0.0054					
12/31/2010	0.0393	0.0625	0.0701	0.0208	0.0319	0.0403	0.0373						
12/31/2011	0.0576	0.0645	0.0641	0.0526	0.0019	0.0046							
12/31/2012	0.0659	0.0854	0.0311	0.0432	0.0403								
12/31/2013	0.0330	0.0577	0.0456	0.0469									
12/31/2014	0.0578	0.0441	0.0446										
12/31/2015	0.0620	0.0517											
12/31/2016	0.0582												

Best 3/5	0.0593	0.0580	0.0514	0.0416	0.0293	0.0381	0.0484	0.0046	-0.0005	0.0036	0.0317	0.0127	0.0114
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LOCAL PRODUCTS (Subline Code 336)  
FULL COVERAGE  
MULTISTATE  
PROPERTY DAMAGE - OCCURRENCE  
INCURRED ACCIDENT YEAR ALAE DEVELOPMENT

A.Y.E.	Link Ratios						
	<u>183:171</u>	<u>195:183</u>	<u>207:195</u>	<u>219:207</u>	<u>231:219</u>	<u>243:231</u>	<u>Ult:243</u>
12/31/1998	1.000	1.000	0.998	1.000	1.000	1.000	1.000 *
12/31/1999	1.052	1.007	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	1.037	1.090	1.000	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2002	1.014	1.000	1.001 *	1.000 *	1.000 *	1.000 *	1.000 *
12/31/2003	1.023						
Best 3/5	1.024	1.005	1.000 *	1.000 *	1.000 *	1.000 *	1.000 *

171 to Ultimate Factor: 1.029

<u>Months-to-Ultimate</u>	Cumulative Incremental Factors						
	<u>15</u>	<u>27</u>	<u>39</u>	<u>51</u>	<u>63</u>	<u>75</u>	<u>87</u>
	0.390	0.330	0.272	0.221	0.179	0.150	0.112
<u>Months-to-Ultimate</u>	<u>99</u>	<u>111</u>	<u>123</u>	<u>135</u>	<u>147</u>	<u>159</u>	<u>171</u>
	0.064	0.059	0.059	0.056	0.024	0.011	0.000

A.Y.E	Reported ALAE as of 3/31/18	\$500,000 Ultimate Indemnity	ALAE Factor	Additional ALAE	ALAE at 171 Months	171-Ultimate Factor	Ultimate ALAE
12/31/2015	1,289,373	7,028,122	0.272	1,911,646	3,201,019	1.029	3,293,701
12/31/2016	727,654	6,082,861	0.330	2,007,337	2,734,991	1.029	2,814,146
12/31/2017	453,838	7,019,634	0.390	2,737,662	3,191,500	1.029	3,283,901

\* Calculated Using Modified Bondy Method

Multistate Review of ULAE Experience  
General Liability Including CMP Liability  
Loss Adjustment Expense Special Call  
Calendar Years 2012 - 2016

<u>Item *</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2012 - 2016 Mean</u>
1. Direct Losses Incurred	\$18,480,140	\$18,521,277	\$19,140,390	\$24,110,646	\$25,085,478	
2. Allocated Loss Adjustment Expenses Incurred (ALAE)	\$5,270,137	\$5,080,420	\$4,727,492	\$5,601,664	\$4,581,304	
3. Unallocated Loss Adjustment Expenses Incurred (ULAE)	\$1,892,698	\$2,061,866	\$2,159,178	\$2,371,173	\$2,496,550	
4. Incurred Losses + ALAE [(1) + (2)]	\$23,750,277	\$23,601,697	\$23,867,882	\$29,712,310	\$29,666,781	
		<u>Incurred Percentage</u>				
5. Ratio of ULAE to (Losses + ALAE) [(3)/(4)]	8.0%	8.7%	9.0%	8.0%	8.4%	8.4%
6. Selected	8.5%					

Notes: All dollar amounts are displayed in thousands.

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



## LOCAL PRODUCTS / COMPLETED OPERATIONS TREND SUMMARY

(1) <u>EXPOSURE TREND</u>	<u>LOCAL PRODUCTS</u>	<u>COMPLETED OPERATIONS</u>	<u>LOCAL PRODUCTS / COMPLETED OPERATIONS COMBINED</u>
Average Annual Percent Change			
a) 7/1/2015 to 7/1/2020 AYE 12/31/2015	+ 1.5%	+ 2.9%	+ 2.8%
b) 7/1/2016 to 7/1/2020 AYE 12/31/2016	+ 1.9%	+ 2.9%	+ 2.8%
c) 7/1/2017 to 7/1/2020 AYE 12/31/2017	+ 2.2%	+ 2.9%	+ 2.8%
(2) <u>OCCURRENCE SEVERITY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	
a) Fitted			
All Years	+ 3.0%	+ 3.6%	
Eight Years	+ 3.2%	+ 5.5%	
Six Years	+ 4.8%	+ 5.8%	
b) Selected	+ 2.5%	+ 4.5%	
(3) <u>FREQUENCY TREND</u>			
Selected	- 0.5%		
(4) <u>TOTAL ANNUAL NET TREND</u>			
Net trend = (frequency trend x severity trend) / exposure trend			

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

LOCAL PRODUCTS / COMPLETED OPERATIONS  
AVERAGE ANNUAL EXPOSURE TRENDS  
FOR ACCIDENT YEARS ENDING 12/31/2015, 12/31/2016 & 12/31/2017

(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
2007	1	0.955	20.243	2014	1	1.012	24.295
	2	0.959	20.497		2	1.016	24.404
	3	0.961	20.718		3	1.020	24.527
	4	0.963	20.928		4	1.022	24.655
2008	1	0.962	21.143	2015	1	1.025	24.767
	2	0.958	21.357		2	1.027	24.913
	3	0.956	21.604		3	1.029	25.019
	4	0.957	21.880		4	1.031	25.174
2009	1	0.961	22.128	2016	1	1.031	25.317
	2	0.966	22.349		2	1.032	25.484
	3	0.969	22.502		3	1.031	25.742
	4	0.968	22.653		4	1.032	25.950
2010	1	0.964	22.806	2017	1	1.035	26.162
	2	0.962	22.928		2	1.036	26.325
	3	0.962	23.080		3	1.039	26.521
	4	0.965	23.208		4	1.042	26.707
2011	1	0.968	23.312	2018	1	1.044	26.937
	2	0.973	23.427		2	1.049	27.181
	3	0.978	23.556		3P	1.054	27.392
	4	0.982	23.638		4P	1.060	27.626
2012	1	0.986	23.715	2019	1P	1.067	27.827
	2	0.990	23.794		2P	1.075	28.025
	3	0.995	23.873		3P	1.084	28.220
	4	1.000	23.965		4P	1.093	28.419
2013	1	1.004	24.062	2020	1P	1.100	28.619
	2	1.006	24.140		2P	1.105	28.801
	3	1.008	24.167		3P	1.109	28.956
	4	1.010	24.208		4P	1.112	29.080
CHANGE IN EXPOSURES			LOCAL PRODUCTS	COMPLETED OPERATIONS			
	7/1/2015 to 7/1/2020	(2020:4/2015:4)	1.079			1.155	
	7/1/2016 to 7/1/2020	(2020:4/2016:4)	1.078			1.121	
	7/1/2017 to 7/1/2020	(2020:4/2017:4)	1.068			1.089	
AVERAGE ANNUAL TREND FACTOR							
	7/1/2015 to 7/1/2020	( 5.0 YRS )	1.015			1.029	
	7/1/2016 to 7/1/2020	( 4.0 YRS )	1.019			1.029	
	7/1/2017 to 7/1/2020	( 3.0 YRS )	1.022			1.029	

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

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# OCCURRENCE SEVERITY TREND

## MULTISTATE LOCAL PRODUCTS/COMPLETED OPERATIONS Calculation of Annual Trend Factor Based on Average Occurrence Severity Full Coverage Occurrence Data Monoline and Multiline Combined

### Bodily Injury

(1) Accident Year Ending	(2) Basic Limit Paid Losses *	(3) Paid Occurrences	(4) (2)/(3) Actual Severity	(5) Exponential Curve of Best Fit to Col (4)	10 Year	8 Year	6 Year
12/31/2008	\$41,536,801	1,464	\$28,372		\$26,066		
12/31/2009	37,718,068	1,537	24,540		26,850		
12/31/2010	48,470,935	1,656	29,270		27,658	\$27,535	
12/31/2011	43,757,831	1,539	28,433		28,490	28,405	
12/31/2012	45,498,643	1,496	30,414		29,348	29,302	\$27,869
12/31/2013	45,465,433	1,577	28,830		30,231	30,228	29,211
12/31/2014	38,593,732	1,382	27,926		31,140	31,183	30,618
12/31/2015	35,677,692	1,165	30,625		32,077	32,169	32,092
12/31/2016	32,280,859	974	33,143		33,043	33,185	33,637
12/31/2017	35,839,976	939	38,168		34,037	34,234	35,257

Goodness of Fit Statistic, R-Squared: 0.596 0.546 0.608

Average Annual Severity Trend (10 yr) + 3.0%

Average Annual Severity Trend ( 8 yr) + 3.2%

Average Annual Severity Trend ( 6 yr) + 4.8%

Selected Annual Severity Trend + 2.5%

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

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

(See Section B - Explanation of Trend Calculation).

# OCCURRENCE SEVERITY TREND

## MULTISTATE LOCAL PRODUCTS/COMPLETED OPERATIONS Calculation of Annual Trend Factor Based on Average Occurrence Severity Full Coverage Occurrence Data Monoline and Multiline Combined

### Property Damage

(1) Accident Year <u>Ending</u>	(2) Basic Limit Paid <u>Losses *</u>	(3) Paid <u>Occurrences</u>	(4) (2)/(3) Actual <u>Severity</u>	(5) Exponential Curve of <u>Best Fit to Col (4)</u>		
				<u>10 Year</u>	<u>8 Year</u>	<u>6 Year</u>
12/31/2008	\$172,882,541	5,903	\$29,287	\$27,804		
12/31/2009	184,504,263	5,751	32,082	28,801		
12/31/2010	175,197,916	5,960	29,396	29,835	\$27,424	
12/31/2011	155,130,790	5,780	26,839	30,905	28,934	
12/31/2012	156,142,534	5,156	30,284	32,014	30,528	\$30,342
12/31/2013	140,114,647	4,383	31,968	33,162	32,209	32,103
12/31/2014	137,418,459	4,037	34,040	34,352	33,983	33,967
12/31/2015	144,652,655	4,000	36,163	35,584	35,854	35,939
12/31/2016	145,372,397	3,794	38,316	36,861	37,829	38,026
12/31/2017	138,646,254	3,480	39,841	38,183	39,913	40,234
Goodness of Fit Statistic, R-Squared:				0.707	0.918	0.996
Average Annual Severity Trend (10 yr)				+ 3.6%		
Average Annual Severity Trend ( 8 yr)				+ 5.5%		
Average Annual Severity Trend ( 6 yr)				+ 5.8%		
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).

LOCAL PRODUCTS/COMPLETED OPERATIONS

FREQUENCY TREND  
MULTISTATE

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

Bodily Injury and Property Damage Combined

(1) Accident Year <u>Ending</u>	(2) Aggregate Loss Costs at <u>Current Level</u>	(3) Occurrences at Ultimate <sup>1</sup>	(4) Occurrence Frequency <u>(3)/(2)<sup>2</sup></u>
12/31/2004	\$ 248,607,755	7,903	31.79
12/31/2005	273,734,243	7,665	28.00
12/31/2006	292,402,382	8,202	28.05
12/31/2007	291,588,690	8,155	27.97
12/31/2008	282,774,544	8,626	30.50
12/31/2009	270,535,015	8,651	31.98
12/31/2010	259,837,047	8,875	34.16
12/31/2011	260,856,145	8,539	32.73
12/31/2012	263,370,990	8,195	31.12
12/31/2013	268,079,423	7,926	29.57
12/31/2014	273,456,815	7,746	28.33
12/31/2015	281,770,127	7,556	26.82
12/31/2016	297,069,843	7,223	24.31
12/31/2017	302,232,137	6,776	22.42

Selected Annual Frequency Trend: - 0.5%

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

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

## CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

### Explanatory Notes

The following are definitions of the columns for the Local Products/Completed Operations calculation of proposed loss costs shown on pages G-55-61.

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

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

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

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

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

$K$  = The number of classes within the class group.

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

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

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

## CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

### Explanatory Notes (Cont'd)

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

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

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

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

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

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

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

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

Change Factor = (Index) (Class Group Relative Change) (SWRL) (Off balance factor)  
where "SWRL" equals the selected state monoline loss cost level change.  
The off balance factor of 0.975 results from capping.

## CLASS GROUPS AND CALCULATION OF PROPOSED CLASS LOSS COSTS

### Explanatory Notes (Cont'd)

Column (8) is the percent change of the proposed state occurrence loss cost (column (10)) for each class with respect to the current state occurrence loss cost (column (9)).

Column (9) is the current state occurrence loss cost for each class.

Column (10) is the proposed state occurrence loss cost for each class.



LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 01

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* .952 \* .945

CLASS	AYE 2017 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	250812	820329	1.04569	.2676	.902	1.001	.901	-9.8	.082	.074	
10145	128016	662822	.43507	.2385	.751	.834	.750	-21.1	.019	.015	L
10146	42167	305177	.40550	.1630	.777	.862	.775	-21.4	.028	.022	
10352	39186	214929	.26591	.1416	.767	.851	.766	-22.2	.090	.070	L
11039	442501	1791065	1.34283	.4071	1.050	1.165	1.048	4.8	.083	.087	
11258	33946	120532	.18750	.1179	.771	.856	.770	-22.7	.260	.201	L
11259	690	2700	.00000	.0865	.776	.861	.775	-22.4	.152	.118	
11288	102548	437160	1.29269	.1926	.935	1.038	.934	-6.9	.102	.095	
12374	207601	1010896	1.25600	.2999	.971	1.078	.970	-3.8	.053	.051	
12375	291469	801144	.36127	.2641	.720	.799	.719	-22.8	.092	.071	L
13673	566143	2097420	1.04433	.4407	.935	1.038	.934	-8.0	.025	.023	
13720	30509	183802	.57635	.1339	.813	.902	.811	-19.2	.073	.059	
14401	83239	240882	.32583	.1478	.772	.857	.771	-23.0	.196	.151	
15224	125997	551356	1.20241	.2165	.926	1.028	.925	-7.2	.083	.077	
16900	420457	2947512	.74990	.5168	.798	.886	.797	-20.0	.075	.060	
16901	1559290	11575134	.83411	.7970	.837	.929	.836	-16.8	.101	.084	
16902	108749	773810	.62714	.2592	.792	.879	.791	-21.3	.061	.048	
16905								-20.0	.075	.060	
16906								-16.8	.101	.084	
16910	1569075	12777059	.97104	.8122	.948	1.052	.946	-5.1	.039	.037	
16911	197564	919781	1.03378	.2848	.902	1.001	.901	-10.0	.060	.054	
16915	65413	544195	.82665	.2150	.845	.938	.844	-15.4	.039	.033	
16916	953960	5641263	.92959	.6623	.903	1.002	.901	-10.0	.060	.054	
16920	11758	87105	.96963	.1092	.863	.958	.862	-13.3	.105	.091	
16921	1484	7248	.00000	.0877	.775	.860	.774	-21.2	.052	.041	L
16930	60040	342634	.90166	.1716	.858	.952	.856	-14.1	.142	.122	
16931	22039	134918	.08951	.1216	.757	.840	.756	-22.7	.066	.051	L
16940	813	4757	.00000	.0870	.776	.861	.775	-21.2	.052	.041	L
16941	18267	109025	.24952	.1149	.780	.866	.779	-22.4	.098	.076	
18435	450654	1455897	1.36670	.3654	1.038	1.152	1.036	3.3	.092	.095	
18436	19298	105181	.36285	.1139	.794	.881	.793	-20.8	.192	.152	
18501	528903	2217959	.99714	.4530	.916	1.017	.915	-10.5	.019	.017	
45900	67057	506326	.49674	.2072	.776	.861	.775	-21.6	.051	.040	
49617	545347	2108013	1.03887	.4418	.933	1.036	.932	-6.9	.188	.175	
57001	68566	183322	2.12978	.1338	1.021	1.133	1.019	3.3	.030	.031	

X-TILDE: .921 X-TILDE (MONOLINE): .901 PI-TILDE: .0049673  
 TAU SQUARED: .03000 SIGMA SQUARED: 99116.94605

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

LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 02

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* 1.008 \* .945

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
10026	9614	44239	.25080	.0835	.999	.967	.921	-6.5	.031	.029
10042	2195051	6746356	1.00778	.8219	1.018	.985	.938	-6.3	.480	.450
10060	2677	18829	.00000	.0688	.994	.962	.916	-8.7	.046	.042
10065	32614	164861	.16425	.1471	.934	.904	.861	-14.9	.047	.040
10066	4228	18503	.00000	.0686	.994	.962	.916	-8.7	.069	.063
10071	903084	2988751	1.01099	.6751	1.029	.996	.949	-5.1	.157	.149
10073	6823976	46549066	1.05673	.9692	1.057	1.023	.974	-3.3	.300	.290
10075	1141	13609	.42619	.0658	1.025	.992	.945	-5.4	.204	.193
10107	69217	305145	1.42234	.2108	1.142	1.106	1.054	6.9	.290	.310
10115	66244	333365	.64295	.2225	.973	.942	.897	-9.9	.081	.073
10309	56837	205671	.03779	.1667	.895	.866	.825	-16.1	.031	.026
11020	6371	46055	17.19019	.0845	2.429	2.351	2.239	24.7	.166	.207
11127	103399	560370	.60510	.3052	.926	.896	.853	-11.1	.009	.008
11128	42885	170332	1.61405	.1498	1.149	1.112	1.059	5.7	.088	.093
11204	20842	95600	.34192	.1117	.986	.955	.910	-9.1	2.190	1.990
11234	33451	157138	.01612	.1433	.916	.887	.845	-15.8	.076	.064
12014	43153	180164	.26390	.1545	.943	.913	.870	-12.5	.064	.056
12356	15303	53979	.56563	.0890	1.022	.989	.942	-5.1	.039	.037
12510	12957	39536	.00000	.0808	.981	.950	.905	-8.9	.045	.041
12805	1188966	5254834	.97623	.7829	.996	.964	.918	-8.3	.157	.144
13351	1136839	4734861	.91948	.7650	.954	.924	.880	-11.8	.068	.060
13352	3489	49997	.41590	.0867	1.011	.979	.933	-6.5	.062	.058
13506	133736	555867	.87369	.3038	1.008	.976	.930	-7.2	.097	.090
13507	71680	301561	.91567	.2093	1.035	1.002	.954	-4.8	.186	.177
13716	931083	4087286	.88728	.7382	.934	.904	.861	-13.7	.160	.138
13759	32803	135582	.01655	.1325	.928	.898	.855	-14.5	.179	.153
14101	17443	80051	1.52032	.1033	1.114	1.078	1.027	3.4	.059	.061
14279	253016	688564	.66734	.3446	.929	.899	.856	-14.6	.137	.117
14913	74249	310741	1.53940	.2132	1.168	1.131	1.077	7.7	.142	.153
15538	16508	134523	.07919	.1319	.937	.907	.864	-15.8	.019	.016
15600	6090	34385	.00000	.0779	.984	.953	.908	-9.5	.116	.105
15608	2640	17894	.00000	.0683	.994	.962	.916	-7.1	.014	.013
15839	45883	170220	.93156	.1497	1.047	1.014	.966	-2.6	.038	.037
15991	36292	218499	.63169	.1726	.992	.960	.914	-9.0	.078	.071
15993	6815	47921	1.25673	.0856	1.083	1.048	.998	0.0	.050	.050
16403	169805	548193	1.30211	.3012	1.138	1.102	1.050	5.2	.134	.141
16676	1856	6848	.00861	.0618	1.002	.970	.924	-10.0	.020	.018

X-TILDE: 1.023 X-TILDE (MONOLINE): 1.033 PI-TILDE: .0025856  
 TAU SQUARED: .16348 SIGMA SQUARED: 257110.86227

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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 \* 1.008 \* .945

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
18078	146178	697787	.63514	.3473	.917	.888	.846	-15.4	.260	.220
18109	643	3285	.00000	.0597	1.003	.971	.925	-6.7	.045	.042
18110	45317	355458	.29424	.2314	.888	.860	.819	-18.8	.032	.026
18206	376975	2397407	1.20442	.6267	1.153	1.116	1.063	6.3	.096	.102
18335	9385	69181	.08419	.0974	.971	.940	.895	-12.5	.024	.021
18506	56	335	.00000	.0579	1.005	.973	.927	-12.5	.008	.007
18507	2013	9597	.00000	.0634	.999	.967	.921	-8.3	.012	.011
18708	10076	36909	15.31296	.0793	2.197	2.127	2.026	25.0	.016	.020
18834	7606	36905	.00000	.0793	.982	.951	.906	-9.5	.179	.162
18911	8976	48003	.33633	.0856	1.004	.972	.926	-7.4	.027	.025
18912	1247	5775	1.22667	.0611	1.077	1.043	.994	0.0	.032	.032
18920	595	10094	.26184	.0637	1.016	.984	.937	-4.3	.023	.022
45819	848690	2958348	1.09700	.6729	1.087	1.052	1.002	0.0	.090	.090
49618	434	1741	4.60080	.0587	1.274	1.233	1.175	17.0	.047	.055
49619	202213	850657	1.52126	.3885	1.244	1.204	1.147	14.4	.104	.119

U

X-TILDE: 1.023    X-TILDE (MONOLINE): 1.033    PI-TILDE: .0025856  
 TAU SQUARED: .16348    SIGMA SQUARED: 257110.86227

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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 \* 1.024 \* .945

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
92053	0	0	.00000	.0000	.969	1.000	.968	-2.9	.690	.670	
92054	0	18	.00000	.1250	.848	.859	.831	-16.7	.360	.300	
92055	1106	4484	.00000	.1256	.847	.858	.830	-16.7	.360	.300	
95124	1069494	3873762	.92322	.4411	.949	.961	.930	-7.3	1.230	1.140	
98303	94741	430438	.76078	.1767	.932	.944	.913	-8.7	6.790	6.200	
98304	3284103	11742116	.92887	.6776	.942	.954	.923	-7.6	4.320	3.990	
98305	2665284	11870656	1.00356	.6798	.993	1.006	.973	-2.7	1.500	1.460	
98306	30027	121253	.42390	.1402	.893	.905	.876	-12.2	.900	.790	
98307	2614	10073	.21761	.1263	.874	.886	.857	-13.8	.800	.690	
98308	470242	1680079	2.40636	.2973	1.396	1.414	1.368	24.2	.990	1.230	U
98309	36622	141358	.05589	.1427	.839	.850	.823	-17.8	2.410	1.980	
98344	88531	261440	.93140	.1572	.963	.976	.944	-5.6	1.070	1.010	
98449	1798178	9574880	1.06707	.6351	1.031	1.045	1.011	1.1	17.500	17.700	
98805	235913	1019876	1.04970	.2384	.988	1.001	.969	-3.3	1.230	1.190	
98813	581112	2298373	.78827	.3448	.907	.919	.889	-11.0	2.640	2.350	
98967	963431	4998340	1.45397	.4941	1.209	1.225	1.185	18.5	5.560	6.590	
99003	43738	201469	1.37173	.1500	1.029	1.043	1.009	0.8	1.260	1.270	
99826	38796	168876	.58644	.1461	.913	.925	.895	-10.4	.670	.600	
99827	110749	445430	1.21122	.1784	1.012	1.025	.992	-1.3	.750	.740	
99948	4072052	12481202	.98740	.6899	.982	.995	.963	-3.7	34.800	33.500	
99952	402555	1666843	1.27822	.2962	1.061	1.075	1.040	4.0	15.000	15.600	
99953	185555	981037	1.07770	.2346	.995	1.008	.975	-2.5	8.670	8.450	
99954	338580	921820	.90796	.2288	.955	.968	.937	-6.2	16.200	15.200	
99955	980891	5164223	.49373	.5011	.731	.741	.717	-22.9	10.900	8.400	L

X-TILDE: 1.016 X-TILDE (MONOLINE): .987 PI-TILDE: .0073638  
TAU SQUARED: .03000 SIGMA SQUARED: 205511.71595

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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 \* 1.007 \* .945

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
91111	2661705	10196767	1.16687	.5096	1.062	1.112	1.058	5.8	6.940	7.340
91150	1449976	5225444	.84906	.3588	.915	.958	.912	-8.7	7.090	6.470
91155	5202176	21963463	.93785	.6850	.943	.987	.939	-6.3	32.000	30.000
91340	20338348	89865325	1.10067	.8972	1.085	1.136	1.081	8.1	7.750	8.380
91341	7785642	35382479	1.12363	.7762	1.085	1.136	1.081	8.0	3.500	3.780
91342	12745131	51534380	.87026	.8341	.884	.926	.881	-11.9	4.200	3.700
91343	601500	1684493	1.49647	.1790	1.050	1.099	1.046	4.5	2.220	2.320
91436	329840	1306843	.50089	.1537	.883	.925	.880	-12.1	3.150	2.770
91507	60154	231545	.02464	.0723	.886	.928	.883	-11.6	4.810	4.250
91551	1666930	4421823	.64595	.3253	.853	.893	.850	-15.1	1.390	1.180
91555	165999	712608	.35121	.1106	.886	.928	.883	-12.0	1.420	1.250
91560	15271859	61170842	.91120	.8563	.917	.960	.914	-8.6	5.120	4.680
91577	2026164	6899112	.95625	.4190	.954	.999	.951	-4.9	3.690	3.510
91746	4171266	14506237	.83484	.5927	.883	.925	.880	-11.9	7.120	6.270
92101	880412	2975113	1.08610	.2552	.987	1.034	.984	-1.7	4.170	4.100
92102	559077	2667081	1.09749	.2383	.987	1.034	.984	-1.5	3.330	3.280
92215	9339403	43680144	.87576	.8102	.890	.932	.887	-11.1	3.230	2.870
92338	3784812	18236753	.87518	.6448	.903	.946	.900	-9.8	1.640	1.480
92446	553065	1310809	.46719	.1540	.878	.919	.875	-12.5	3.690	3.230
92447	51708	283693	.11595	.0766	.889	.931	.886	-11.6	1.980	1.750
92451	4151295	12958639	.95966	.5663	.957	1.002	.954	-4.5	3.800	3.630
92478	27066374	83362515	.91607	.8901	.920	.963	.916	-8.5	2.950	2.700
94007	8601699	36686864	1.04074	.7824	1.022	1.070	1.018	1.7	4.690	4.770
94276	2361556	7990678	.89561	.4525	.927	.971	.924	-7.5	5.700	5.270
94569	3330374	9973895	1.46686	.5044	1.212	1.269	1.208	20.9	4.640	5.610
95410	7279849	28797842	1.03741	.7392	1.015	1.063	1.012	1.2	3.290	3.330
95455	1784491	4857608	.62043	.3439	.838	.877	.835	-16.5	3.690	3.080
95505	90576	467411	.25235	.0914	.889	.931	.886	-11.4	2.540	2.250
95625	1535592	5173485	1.08179	.3568	.999	1.046	.995	-0.5	4.240	4.220
95647	34466549	123835966	.96659	.9231	.966	1.012	.963	-3.7	7.240	6.970
96053	618867	2238987	.74692	.2136	.909	.952	.906	-9.4	5.510	4.990
96410	1905740	7161432	1.05293	.4274	.996	1.043	.993	-0.7	10.000	9.930
96611	394298	1236297	1.41986	.1488	1.022	1.070	1.018	1.9	2.100	2.140
97447	8867004	30414851	1.00827	.7494	.994	1.041	.991	-0.9	5.320	5.270
97650	466095	1866042	.73796	.1907	.912	.955	.909	-9.1	4.160	3.780
97651	512584	1381616	.54405	.1589	.888	.930	.885	-11.5	6.500	5.750
97652	68675	250338	.03987	.0738	.885	.927	.882	-11.8	5.440	4.800

X-TILDE: .955 X-TILDE (MONOLINE): .955 PI-TILDE: .0032998  
 TAU SQUARED: .03000 SIGMA SQUARED: 328227.14878

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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 \* 1.007 \* .945

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)
97653	1382967	3000075	1.23369	.2565	1.025	1.073	1.021	2.1	4.730	4.830
97654	132955	422478	.58674	.0879	.920	.963	.916	-8.4	4.630	4.240
97655	1667775	6797393	.66667	.4157	.834	.873	.831	-16.8	5.170	4.300
98002	91461	409934	.00000	.0868	.870	.911	.867	-13.4	1.190	1.030
98482	29067984	112655373	.84612	.9161	.855	.895	.852	-14.8	8.800	7.500
98483	27970938	127023969	.94516	.9249	.946	.991	.943	-5.6	17.800	16.800
98502	429838	1462351	1.24117	.1643	1.000	1.047	.996	-0.4	4.520	4.500
98636	2257236	8967531	.94043	.4794	.947	.992	.944	-5.5	4.700	4.440
98677	4323035	18358725	1.02404	.6462	.999	1.046	.995	-1.0	10.200	10.100
98678	2715866	11594026	1.03476	.5400	.997	1.044	.993	-0.8	12.800	12.700
98806	1032685	3093767	.96054	.2615	.955	1.000	.952	-4.7	5.490	5.230
98820	2966058	14551243	.89930	.5934	.921	.964	.917	-8.2	3.280	3.010
98884	1771043	8362328	1.18429	.4630	1.060	1.110	1.056	5.5	1.640	1.730
99004	41058	165776	.32944	.0668	.911	.954	.908	-9.0	2.000	1.820
99080	1646734	4278136	1.29797	.3189	1.063	1.113	1.059	5.9	11.900	12.600
99315	1291323	4649823	.96068	.3352	.955	1.000	.952	-4.7	2.330	2.220
99321	2572614	10489957	.93314	.5163	.943	.987	.939	-6.0	3.010	2.830
99613	1800926	6175796	.73049	.3944	.865	.906	.862	-13.7	3.580	3.090
99650	703514	2585083	1.09359	.2337	.986	1.032	.982	-2.2	1.390	1.360
99746	3335379	12766196	1.18237	.5628	1.082	1.133	1.078	7.8	3.210	3.460

X-TILDE: .955 X-TILDE (MONOLINE): .955 PI-TILDE: .0032998  
 TAU SQUARED: .03000 SIGMA SQUARED: 328227.14878

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 U - CAPPED UP  
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## LOSS COST % CHANGE BY CLASS

SUBLINE: LOCAL PRODUCTS/COMPLETED OPERATIONS

CLASS GROUP: 13

NUMBER OF YEARS OF DATA USED: 5

CHANGE FACTOR = INDEX \* CG REL \* SWRL USED = INDEX \* .931 \* .945

CLASS	AYE 2017 MONO/MULTI ALCCL (1)	5 YEAR MONO/MULTI ALCCL (2)	5 YEAR MONO/MULTI EXPERIENCE RATIO (3)	CRED. (4)	FORMULA ER (5)	INDEX (6)	CHANGE FACTOR (7)	STATE- WIDE % CHANGE (8)	PRESENT STATEWIDE OCCUR (9)	PROPOSED STATEWIDE OCCUR (10)	
91125	79478	145055	.12614	.1473	.660	.865	.761	-22.8	3.900	3.010	L
91127	1185541	5684622	.64755	.6416	.685	.898	.790	-21.1	1.800	1.420	
91235	913758	2792748	1.12721	.4861	.934	1.224	1.077	7.7	4.650	5.010	
91265	59631	162490	.88094	.1510	.772	1.012	.890	-10.9	5.500	4.900	
91266	234009	897006	.53369	.2818	.691	.906	.797	-20.3	1.230	.980	
91280	8395	72382	.00000	.1316	.653	.856	.753	-22.7	2.550	1.970	L
94381	1693254	10527742	.58888	.7622	.628	.823	.724	-22.8	13.600	10.500	L
94404	94580	326232	.85932	.1841	.772	1.012	.890	-10.9	6.130	5.460	
95310	559512	2255529	.50013	.4410	.641	.840	.739	-22.8	2.240	1.730	L
96408	1840305	6290664	.59133	.6630	.646	.847	.745	-22.5	17.300	13.400	L
96409	3019878	10756949	.79348	.7659	.784	1.028	.904	-9.7	15.400	13.900	
97221	1518989	5469096	.63696	.6334	.679	.890	.783	-21.6	1.900	1.490	
97222	6884398	23705107	.67207	.8758	.682	.894	.787	-21.4	3.700	2.910	
97223	5157505	16526311	.81755	.8321	.807	1.058	.931	-6.9	5.190	4.830	
98152	580650	2374660	1.71393	.4517	1.187	1.556	1.369	24.7	.730	.910	U
98157	88978	637317	.73438	.2404	.748	.980	.862	-14.3	.490	.420	
98163	5057	33835	.00000	.1230	.660	.865	.761	-22.2	.540	.420	L
98164	65791	162911	.00002	.1511	.638	.836	.736	-22.9	.192	.148	L
98659	802	2121	.00000	.1159	.665	.872	.767	-22.8	1.010	.780	L
98914	569	2546	.00000	.1160	.665	.872	.767	-22.2	1.080	.840	L
98949	7631	10457	.00000	.1178	.664	.870	.765	-22.8	.790	.610	L
98993	1770813	6417677	1.06122	.6672	.958	1.256	1.105	10.5	6.310	6.970	
99163	952	3412	.00000	.1162	.665	.872	.767	-22.5	.890	.690	L
99803	12267	70111	2.07819	.1311	.926	1.214	1.068	6.8	10.300	11.000	
99946	3758963	13662881	.80042	.8047	.791	1.037	.912	-8.8	3.960	3.610	
99969	986070	3508770	1.13379	.5360	.957	1.254	1.103	10.3	3.210	3.540	

X-TILDE: .770 X-TILDE (MONOLINE): .763 PI-TILDE: .0068800  
 TAU SQUARED: .03000 SIGMA SQUARED: 116138.51423

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

RHODE ISLAND GL-2019-BGL1  
BASIC LIMIT LOSS COST LEVEL  
GENERAL LIABILITY OTHER THAN PROFESSIONAL  
PREMISES/OPERATIONS & PRODUCTS/COMPLETED OPERATIONS  
ACTUARIAL ANALYSIS SUPPLEMENT

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

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LOSS COST                      The statewide advisory loss cost level changes are:  
LEVEL CHANGES

<u>SUBLINE</u>	<u>INDICATED</u>	<u>SELECTED</u>
M&C	- 5.6%	- 5.6%
OL&T	+ 9.9%	+ 9.9%
Premises/Operations	+ 4.5%	+ 4.5%
Products	- 11.2%	- 11.2%
Local Products/Completed Operations	- 3.1%	- 3.1%
Products/Completed Operations	- 5.1%	- 5.1%
GL Overall	+ 3.5%	+ 3.5%

---

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

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

ISO reporting companies' voluntary experience.  
Calendar - accident year data through year ended 12/31/2017 for Premises/Operations.  
Calendar - accident year data through year ended 12/31/2017 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.

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CHANGES TO                      When calculating the statewide loss cost level change indication, the expected  
METHODOLOGY                      experience ratio no longer includes the selected change from the last review divided by the implemented change.

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## CALL TO CALL COMPARISON

### Manufacturers and Contractors

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 8.4%, 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 7.6% increase in ALCCL;
- Implemented loss cost level change (- 3.7%);
- A change in exposure trend plus an additional year of trending (+ 2.6%);
- The effect on ALCCL due to a change in average IPMFs (+ 2.7%).

The Basic Limit Experience Ratio (BLER) increased in 2014 (+ 27.4%) and 2015 (+ 14.1%). This is mainly due to unfavorable experience across several class groups. The BLER decreased in 2016 (- 12.9%). This is mainly due to favorable experience across several class groups.

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### Owners, Landlords and Tenants

The Aggregate Loss Costs at Current Level (ALCCL) increased by an average of 12.1%, 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 8.2% increase in ALCCL;
- Implemented loss cost level change (+ 8.8%);
- A change in exposure trend plus an additional year of trending (+ 1.0%);
- The effect on ALCCL due to a change in average IPMFs (- 3.5%).

The BLER increased in 2016 (+12.0%). This is mainly due to unfavorable experience across several class groups.

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### Products

Multistate ALCCL decreased by an average of 9.8% 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 6.1% decrease in ALCCL;
- Implemented an average loss cost level change of approximately - 8.0% 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 (+ 3.7%).

The BLERs changed due to the various effects listed above.

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CALL TO CALL  
COMPARISON  
(Cont'd)

Local Products/  
Completed Ops

Multistate ALCCL decreased by an average of 18.5% over the four common years in the latest call. This can be accounted for by the following changes since the prior review:

- A change in the companies mix which caused a 10.1% decrease in ALCCL;
- Implemented an average loss cost level change of approximately - 10.5% in most states;
- A change in exposure trend plus an additional year of trending of + 2.6%;
- The effect on ALCCL due to a change in average IPMFs (- 1.3%).

The BLERs changed due to the various effects listed above.

LATEST CALL  
YEAR TO YEAR  
COMPARISON

Manufacturers and  
Contractors

The ALCCL increased from 2013 to 2016 and then decreased in 2017.

The high BLER for 2015 (1.146) is attributable to unfavorable experience in several class groups. The low BLERs for 2014 (0.841), 2016 (0.833) and 2017 (0.704) are attributable to favorable experience in several class groups.

Owners, Landlords  
and Tenants

The ALCCL increased from 2013 to 2015 and then decreased thereafter.

The low BLER for 2014 (0.879) is attributable to favorable experience in several class groups. The high BLER for 2016 (1.283) is attributable to unfavorable experience in several class groups.

Products

The ALCCL increased steadily from 2013 to 2017.

The BLER decreased from 2013 to 2015, increased in 2016, and decreased thereafter.

Local Products/  
Completed Ops

The ALCCL increased steadily from 2013 to 2017.

The BLER decreased from 2013 to 2014, increased in 2015, and then decreased thereafter.

LOSS  
DEVELOPMENT  
FACTOR  
COMPARISON

Manufacturers and  
Contractors

The BI and PD indemnity loss development factors for the 2019 review remained stable compared to those in the 2018 review.

The multistate full coverage BI and PD indemnity factors remained stable compared to the 2018 review.

The multistate deductible coverage BI and PD indemnity factors remained stable compared to the 2018 review.

The multistate Fringe indemnity factors have increased compared to the 2018 review.

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Owners, Landlords  
and Tenants

The BI and PD indemnity loss development factors for the 2019 review remained stable compared to those in the 2018 review.

The multistate full coverage BI and PD Indemnity factors remained stable compared to those in the 2018 review.

The multistate deductible coverage BI and PD Indemnity factors remained stable compared to the 2018 review.

The multistate Fringe indemnity factors have increased compared to the 2018 review.

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Products

The multistate full coverage BI and PD indemnity development factors for the 2019 review remained stable compared to those in the 2018 review.

The multistate deductible coverage BI indemnity development factors have increased compared to the 2018 review. The PD indemnity development factors have decreased compared to the 2018 review. The fluctuations in these factors are due to the low volume of the deductible coverage data.

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LOSS  
DEVELOPMENT  
FACTOR  
COMPARISON  
(Cont'd)

Local Products/  
Completed Ops

For Local Products, the multistate full coverage BI and PD indemnity development factors in this review remained stable compared to those in the 2018 review. The multistate deductible coverage BI indemnity development factors remained stable compared to the 2018 review. The multistate deductible coverage PD indemnity development factors have decreased compared to the 2018 review. The fluctuations in these factors are due to the low volume of the deductible coverage data.

For Completed Operations, the full coverage BI indemnity loss development factors for the 2019 review remained stable compared to those in the 2018 review, except for the 15 months-to-ultimate factor which increased by 14.4%. This can largely be attributed to a higher 15-to-27 months state link ratio. The full coverage PD indemnity loss development factors for the 2019 review remained stable compared to those in the 2018 review.

The Completed Operations multistate full coverage BI indemnity factors have increased compared to those in the 2018 review for the latest three years. The multistate full coverage PD indemnity factors have increased compared to those in the 2018 review. The multistate deductible coverage BI indemnity factors have decreased compared to those in the 2018 review for the latest three years. The multistate deductible coverage PD indemnity factors have decreased compared to those in the 2018 review.

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

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ALAE Development

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

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

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SEVERITY TREND COMPARISON	Manufacturers and Contractors	The BI severity trend selection is +4.5%, up from +4.0% in the previous Calendar review.
		The PD severity trend selection is +4.0%, unchanged from +4.0% in the previous Calendar review.
		The Fringe severity trend selection is +0.5%, down from +1.0% in the previous Calendar review.
	<hr/>	
	Owners, Landlords and Tenants	The BI severity trend selection is +3.5%, down from +4.5% in the previous Calendar review.
		The PD severity trend selection is +4.5%, unchanged from +4.5% in the previous Calendar review.
		The Fringe severity selection is +2.0%, down from +3.5% in the previous Calendar review.
	<hr/>	
	Products	The BI severity trend selection is +2.5%, unchanged from +2.5% in the previous review.
		The PD severity trend selection is +6.5%, unchanged from +6.5% in the previous review.
	<hr/>	
	Local Products/ Completed Ops	The BI severity trend selection is +2.5%, unchanged from +2.5% in the previous review.
		The PD selected severity trend is +4.5%, up from +4.0% in the previous review.
	<hr/>	

FREQUENCY  
TREND  
COMPARISON

We have selected a frequency trend of -0.5% for Manufacturers & Contractors, -1.0% for Owners, Landlords and Tenants, -1.5% for Products, and -0.5% for Local Products/Completed Operations. This is consistent with our conservative approach toward frequency trend selections. This conservatism reflects the difficulty of predicting turning points for cyclical and volatile data along with the amplifying effects that varying frequency trend selections have on indicated loss cost level changes.

Manufacturers and  
Contractors

The latest frequency point is higher than the prior point.

Owners, Landlords  
and Tenants

The latest frequency point is higher than the prior point.

Products

The latest frequency point is lower than the prior point.

Local Products/  
Completed Ops

The latest frequency point is lower than the prior point.

EXPOSURE  
TREND  
COMPARISON

Manufacturers and  
Contractors

The exposure trend factors for Manufacturers are higher than those used in the previous review all three years. The exposure trend factor for Contractors is higher than that used in the previous review for the earliest year, lower than the second latest year and the same for the latest year.

Owners, Landlords  
and Tenants

The exposure trend factors for Class Groups 1-13 are higher than those used in the previous review for all three years. For Class Group 16, the exposure trend factors are higher than those used in the previous review for all three years

Products

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

Local Products/  
Completed Ops

The exposure trend factors for Local Products are higher than those used in the previous review for all three years. The exposure trend factor for Completed Operations is higher than that used in the previous review for the earliest year, lower than the second latest year and the same for the latest year.

WEIGHTED  
AVERAGE  
IMPLICIT  
PACKAGE  
MODIFICATION  
FACTOR (IPMF)  
COMPARISON

Manufacturers and  
Contractors

The current weighted average IPMF is 0.921. In the 2017 review the weighted average IPMF was 0.890.

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Owners, Landlords  
and Tenants

The current weighted average IPMF is 0.997. In the 2017 review the weighted average IPMF was 1.044.

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Products

The current multistate weighted average IPMF is 0.856. In the 2018 review the multistate weighted average IPMF was 0.815.

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Local Products/  
Completed Ops

The current multistate weighted average IPMF is 0.979. In the Group 1, 2018 review the multistate weighted average IPMF was 0.994.

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The IPMF's are applied to the multiline ALCCL.

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CLASS GROUP/  
TERRITORY/  
STATE RELATIVE  
CHANGE

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

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

For Local Products, Rhode Island's state balanced relative change (0.962) ranks 17th lowest overall. In last year's review, Rhode Island's state balanced relative change (0.953) ranked 13th lowest overall.

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CHANGE IN  
COMPANY MIX  
SINCE LAST CALL

For Manufacturers and Contractors the change in company mix results in an average increase of 7.6% in the total statewide ALCCL.

For Owners, Landlords and Tenants, the change in company mix results in an average increase of 8.2% in the total statewide ALCCL.

For Products, the change in company mix results in a 6.1% decrease in the total multistate ALCCL.

For Local Products/Completed Operations, the change in company mix results in a 10.1% decrease in the total multistate ALCCL.

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\$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	.179	.184	10205	.77	—	11210	6.47	—	13207	(a)	(a)
10015	12.50	—	10220	14.60	—	11211	33.60	—	13208	(a)	(a)
10020	(a)	(a)	10255	.36	.131	11212	5.09	—	13314	.37	.017
10026	2.00	.029	10256	1.31	.147	11213	4.15	—	13351	.90	.06
10036	.96	(a)	10257	.246	.167	11214	10.20	—	13352	.92	.058
10040	.136	.28	10309	.50	.026	11222	.172	—	13410	2.05	2.44
10042	1.15	.45	10315	1.18	(a)	11234	.87	.064	13411	(a)	(a)
10052	8.62	—	10331	16.90	—	11248	.068	.019	13412	.69	1.01
10054	7.64	—	10332	29.10	—	11258	2.53	.201	13453	.80	(a)
10060	.55	.042	10352	1.22	.07	11259	2.71	.118	13454	.94	(a)
10065	.82	.04	10367	8.66	—	11273	43.20	—	13455	.95	(a)
10066	.84	.063	10368	12.70	—	11274	41.50	—	13461	(a)	(a)
10070	.102	.141	10375	(a)	—	11288	3.10	.095	13506	2.84	.09
10071	.98	.149	10378	17.10	—	12014	.146	.056	13507	3.42	.177
10072	9.80	—	10379	7.94	—	12356	3.67	.037	13590	.71	.74
10073	1.50	.29	10380	13.60	—	12361	.165	.082	13621	.178	.36
10075	11.10	.193	10381	11.70	—	12362	.113	(a)	13670	.093	.013
10100	2.10	.074	11007	3.68	—	12373	.043	.025	13673	1.92	.023
10101	.74	.166	11020	.94	.207	12374	1.91	.051	13715	.113	.154
10105	8.04	—	11039	1.30	.087	12375	.94	.071	13716	1.40	.138
10107	4.58	.31	11052	4.37	—	12391	.084	.091	13720	1.08	.059
10110	42.40	—	11101	(a)	(a)	12393	1.24	(a)	13759	.55	.153
10111	.224	.083	11120	(a)	—	12467	.52	(a)	13930	.24	.211
10113	1.11	—	11126	.194	.02	12509	.089	.038	14068	.121	.015
10115	2.21	.073	11127	.57	.008	12510	1.13	.041	14101	1.42	.061
10117	12.40	—	11128	.77	.093	12583	.50	(a)	14279	.68	.117
10119	(a)	—	11138	4.22	—	12651	1.47	.49	14401	2.55	.151
10120	27.70	—	11155	.66	—	12683	.67	(a)	14405	2.17	—
10130	11.00	—	11160	(a)	(a)	12707	.74	.65	14527	.46	.181
10132	9.45	—	11167	1.01	—	12797	.155	.169	14655	.27	—
10133	4.20	—	11168	5.22	—	12805	1.00	.144	14731	4.33	—
10135	(a)	—	11201	32.20	—	12841	1.66	—	14732	.32	—
10140	.076	.021	11202	9.53	—	12927	.29	—	14733	1.92	—
10141	.152	.024	11203	1.33	.54	13049	.086	.054	14734	.82	—
10145	.73	.015	11204	.97	1.99	13111	2.35	.097	14855	.31	.162
10146	.94	.022	11205	(a)	—	13112	.141	.069	14913	1.03	.153
10150	1.53	(a)	11206	1.50	—	13201	1.30	.167	15060	(a)	(a)
10151	38.60	—	11207	18.90	—	13204	1.47	1.40	15061	(a)	(a)
10160	6.88	—	11208	3.24	—	13205	.56	.43	15062	.28	(a)
10204	.69	—	11209	15.20	—	13206	(a)	(a)	15063	.33	(a)



## DIVISION SIX

## PREM/OPS TERR. 501

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.29	—	16750	.32	.031	18707	.017	.003	40117	(a)	—
15119	(a)	—	16751	.32	—	18708	.36	.02	40140	(a)	—
15120	(a)	—	16819	1.71	(a)	18833	.202	(a)	41001	.46	—
15123	4.19	—	16820	1.32	(a)	18834	.92	.162	41210	(a)	—
15124	1.46	—	16881	5.05	(a)	18911	2.91	.025	41421	1.13	—
15188	.50	(a)	16890	.20	(a)	18912	5.47	.032	41422	.60	—
15223	.109	.033	16891	.218	(a)	18920	1.42	.022	41510	146.00	—
15224	1.14	.077	16892	.40	(a)	18991	(a)	—	41603	53.30	—
15300	(a)	—	16900	5.92	.06	19007	1.64	—	41604	29.30	—
15314	.66	(a)	16901	3.79	.084	19051	3.63	—	41620	2.70	—
15404	.129	(a)	16902	3.22	.048	19061	(a)	—	41650	75.10	—
15405	.189	(a)	16905	6.22	.06	19795	.95	(a)	41664	58.80	—
15406	.48	.044	16906	3.97	.084	19796	1.11	—	41665	6.88	—
15488	1.20	(a)	16910	3.55	.037	40005	(a)	—	41666	(a)	—
15538	1.18	.016	16911	3.22	.054	40006	(a)	—	41667	161.00	—
15600	2.97	.105	16915	3.64	.033	40010	(a)	—	41668	151.00	—
15607	.38	—	16916	3.03	.054	40015	(a)	—	41669	1.06	—
15608	.66	.013	16920	8.07	.091	40020	(a)	—	41670	1.77	—
15656	19.60	—	16921	7.37	.041	40026	(a)	—	41672	(a)	—
15699	.94	—	16930	4.64	.122	40031	(a)	—	41673	(a)	—
15733	.31	.038	16931	5.01	.051	40032	(a)	—	41675	(a)	—
15839	.89	.037	16940	10.10	.041	40040	(a)	—	41677	.56	—
15991	.73	.071	16941	4.04	.076	40041	(a)	—	41678	147.00	—
15993	.61	.05	18078	.204	.22	40042	(a)	—	41679	(a)	(a)
16005	.06	.034	18109	1.21	.042	40045	388.00	—	41680	39.00	—
16009	.39	.079	18110	.97	.026	40046	76.70	—	41696	1.76	—
16402	4.39	—	18200	(a)	—	40047	27.40	—	41697	1.23	—
16403	2.78	.141	18205	.31	.31	40059	9.80	—	41700	(a)	—
16404	3.50	—	18206	1.57	.102	40061	5.20	—	41715	24.80	—
16471	.54	—	18335	1.13	.021	40063	174.00	—	41716	15.80	—
16501	.126	(a)	18435	2.22	.095	40064	51.10	—	43007	(a)	—
16527	.194	.36	18436	1.79	.152	40066	(a)	—	43117	(a)	—
16588	.178	(a)	18437	1.61	(a)	40067	(a)	—	43151	45.00	—
16604	.30	.147	18438	3.10	(a)	40069	(a)	—	43152	43.90	—
16670	7.01	—	18501	2.04	.017	40072	(a)	—	43200	171.00	—
16676	.92	.018	18506	.63	.007	40075	90.60	—	43215	(a)	—
16694	.59	(a)	18507	.58	.011	40101	54.60	—	43421	47.00	—
16705	.36	.152	18570	6.07	—	40102	48.30	—	43422	247.00	—
16722	(a)	—	18575	(a)	(a)	40111	13.80	—	43424	(a)	—
16723	(a)	—	18616	.48	.54	40115	(a)	—	43470	10.30	—

\$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	149.00	—	46004	71.30	—	47471	9.76	—
43518	25.20	—	44280	.56	—	46005	57.10	—	47473	12.80	—
43550	168.00	—	44311	13.00	—	46112	.215	—	47474	14.30	—
43551	93.00	—	44315	8.74	—	46202	12.30	—	47475	11.30	—
43626	20.10	—	44427	197.00	—	46362	512.00	—	47476	11.30	—
43628	262.00	—	44428	199.00	—	46426	74.70	—	47477	15.00	—
43629	222.00	—	44429	2.98	—	46427	99.80	—	47478	15.80	—
43754	(a)	—	44430	2.07	—	46510	(a)	—	47600	(a)	—
43760	7.39	—	44431	6.61	—	46590	(a)	—	47610	(a)	—
43822	8.17	—	44432	2.10	—	46603	6.27	—	48039	122.00	—
43840	.10	—	44433	66.80	—	46604	7.23	—	48177	(a)	—
43860	6.43	—	44434	128.00	—	46606	19.30	—	48178	(a)	—
43889	2.30	—	44435	132.00	—	46607	26.50	—	48206	53.30	—
43945	(a)	—	44436	154.00	—	46622	23.90	—	48252	(a)	—
43946	(a)	—	44437	128.00	—	46671	(a)	—	48441	.224	—
43990	(a)	(a)	44438	101.00	—	46700	345.00	—	48557	22.40	—
43991	(a)	—	44439	197.00	—	46773	(a)	—	48558	19.50	—
44009	5.11	—	44440	163.00	—	46822	(a)	—	48600	149.00	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	21.50	—	44501	(a)	—	46882	(a)	—	48636	2.45	(a)
44070	6.38	—	45190	9.72	—	46911	39.90	—	48637	17.10	—
44071	7.10	—	45191	6.90	—	46912	73.00	—	48638	8.49	—
44072	4.90	—	45192	8.07	—	46913	(a)	—	48727	(a)	—
44100	2.78	—	45193	4.76	—	46914	(a)	—	48808	5.01	—
44101	2.89	—	45210	6.03	—	46915	(a)	—	48924	(a)	—
44102	2.25	—	45224	(a)	—	46916	(a)	—	48925	409.00	—
44103	1.99	—	45225	(a)	—	47050	2.23	—	49005	.38	—
44104	.84	—	45334	98.80	—	47051	(a)	—	49111	7.65	—
44105	(a)	—	45380	.37	(a)	47052	(a)	—	49181	39.70	—
44106	(a)	—	45450	29.10	—	47103	(a)	—	49183	48.40	—
44108	.98	—	45523	(a)	—	47146	(a)	—	49184	102.00	—
44109	2.49	—	45524	(a)	—	47147	(a)	—	49185	93.00	—
44110	2.54	—	45539	(a)	—	47221	378.00	—	49239	.27	.65
44111	1.56	—	45678	.60	—	47253	(a)	—	49292	2.91	—
44112	.93	—	45771	.56	.176	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.182	.09	47318	16.40	—	49333	21.30	—
44193	(a)	—	45900	.34	.04	47367	.56	—	49451	(a)	—
44194	(a)	—	45901	.29	.047	47420	3.59	—	49452	(a)	—
44222	(a)	—	45937	.39	—	47468	(a)	—	49617	.34	.175
44276	230.00	—	45993	(a)	(a)	47469	11.30	—	49618	.29	.055

## DIVISION SIX

PREM/OPS TERR. 501

## GENERAL LIABILITY

PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.54	.119	51315	.178	.106	51809	.52	.158	52341	.07	(a)
49763	3.54	—	51330	.15	.43	51833	.127	.072	52342	.204	(a)
49800	(a)	—	51333	.049	.31	51850	.36	(a)	52343	.124	(a)
49801	333.00	—	51340	.051	(a)	51851	.246	(a)	52401	.38	(a)
49802	29.50	—	51350	.197	.142	51852	.58	(a)	52402	.028	(a)
49803	52.30	—	51351	.176	.045	51853	.232	(a)	52432	.141	(a)
49840	2.30	—	51352	.242	.114	51854	.52	(a)	52433	.128	1.20
49870	171.00	—	51355	.165	.096	51855	.55	(a)	52435	.161	(a)
49890	(a)	—	51356	.178	.69	51856	.30	(a)	52438	.116	(a)
49891	(a)	—	51357	.25	.53	51857	.51	(a)	52440	.183	(a)
49902	(a)	—	51358	.61	.149	51869	.139	.14	52467	.169	(a)
49903	(a)	—	51359	.54	.84	51877	.78	.22	52469	.059	.109
50010	.30	.58	51370	.61	5.00	51889	.129	.014	52505	.29	.203
50015	.197	(a)	51380	.061	.05	51896	.06	.02	52547	.33	.088
50017	.15	(a)	51400	.35	(a)	51900	.095	.093	52581	1.43	3.68
50045	.34	(a)	51401	.52	(a)	51909	.33	.057	52619	.101	(a)
50047	.039	(a)	51500	.115	.109	51919	.13	(a)	52660	.199	—
51001	.084	.46	51516	.167	—	51926	.133	.04	52744	.49	.094
51005	.017	(a)	51517	.19	—	51927	.072	.115	52767	.30	(a)
51116	.213	.57	51550	.142	.36	51934	.145	.142	52876	(a)	(a)
51201	.052	(a)	51551	.049	.92	51941	.132	.039	52911	.08	.52
51205	.158	.083	51552	.086	.159	51942	.211	—	52967	.03	.064
51206	.025	.45	51553	.153	(a)	51956	.57	.246	53001	.29	.33
51210	.147	(a)	51554	.014	(a)	51957	.50	.40	53077	.142	.197
51211	(a)	(a)	51575	.053	.02	51958	.45	.39	53095	.097	(a)
51220	.51	2.58	51576	.27	.075	51959	.46	(a)	53096	.135	(a)
51221	.28	1.94	51600	.186	.198	51960	.06	.36	53121	.38	.46
51222	.34	3.12	51613	.123	.138	51970	.26	.25	53147	.051	(a)
51224	.36	1.33	51625	.077	(a)	51982	.077	.085	53229	.29	(a)
51230	.061	.79	51666	.084	.103	51985	.156	—	53271	.072	(a)
51240	.62	.182	51702	.232	(a)	51986	.30	.107	53333	.28	.213
51241	1.85	.30	51703	.096	(a)	51999	.128	.46	53374	.129	.38
51250	.39	(a)	51734	.18	.31	52002	.112	.118	53375	.068	.25
51251	.054	(a)	51741	.32	.25	52075	.29	.25	53376	.109	.187
51252	.188	.101	51752	.27	.159	52076	.34	(a)	53377	.112	.211
51253	.16	(a)	51767	.024	.009	52109	.028	(a)	53403	.071	(a)
51254	.05	.045	51777	.085	.076	52134	.38	.70	53425	.27	(a)
51255	.98	(a)	51790	.142	(a)	52137	.112	(a)	53565	.082	.124
51300	.117	.173	51796	.118	(a)	52150	.69	(a)	53631	.045	.022
51305	.117	1.03	51808	.42	.73	52315	.111	.24	53632	.051	.035

\$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	.047	(a)	56170	.26	(a)	57401	.093	.098	58503	.112	.061
53732	.32	.46	56171	.129	(a)	57403	.174	.036	58532	.145	(a)
53733	.209	.26	56202	.107	.10	57410	.045	.13	58559	.03	(a)
53734	1.00	—	56390	.188	.63	57411	.066	(a)	58560	.071	(a)
53803	.64	(a)	56391	.161	.32	57572	.027	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.26	.125	57600	.079	.033	58575	.092	.123
53902	(a)	(a)	56488	.142	.034	57611	.14	.064	58627	.29	.016
53903	(a)	(a)	56567	.27	(a)	57625	.69	(a)	58663	.60	1.59
53904	(a)	(a)	56650	.83	(a)	57651	.084	.043	58682	.26	(a)
53905	(a)	(a)	56651	.45	(a)	57690	.182	.51	58713	.054	(a)
53907	.141	.111	56652	.32	(a)	57716	.087	.087	58737	.19	.74
53951	(a)	(a)	56653	.31	(a)	57725	.189	.091	58756	.112	(a)
53952	(a)	(a)	56654	.159	(a)	57726	.147	.019	58757	.64	(a)
53953	(a)	(a)	56690	.073	.36	57798	.043	(a)	58759	.079	(a)
54012	.10	—	56699	.119	.051	57800	.16	(a)	58802	.09	.45
54077	.193	.37	56758	.101	.155	57808	.073	(a)	58813	.28	(a)
54444	(a)	(a)	56759	.104	.093	57809	.075	(a)	58822	.247	(a)
55010	.58	1.10	56760	.149	.106	57810	.073	.109	58837	.55	.165
55011	.157	1.26	56805	.196	(a)	57871	.087	.116	58840	.166	.111
55012	.188	1.17	56806	.139	(a)	57913	.207	.31	58873	.26	.03
55013	.241	.99	56807	.137	(a)	57997	.223	—	58903	.057	(a)
55014	(a)	(a)	56808	.18	(a)	57998	.092	.059	58904	.043	.131
55214	.152	.089	56900	.172	(a)	57999	.119	.071	58922	.44	.187
55371	.33	.13	56910	.086	(a)	58009	.119	(a)	59005	.107	.096
55410	(a)	(a)	56911	.234	(a)	58010	.213	(a)	59057	.79	(a)
55426	.29	(a)	56912	.189	.084	58020	.187	(a)	59058	.51	(a)
55597	.038	1.78	56913	.154	(a)	58056	.25	(a)	59188	.37	.056
55647	.076	.056	56915	.91	(a)	58057	.16	(a)	59189	.51	.30
55648	.034	(a)	56916	.83	.187	58058	.144	(a)	59223	.27	.077
55649	.041	(a)	56917	.239	(a)	58095	.202	1.83	59257	.029	.015
55715	.30	.234	56918	.115	(a)	58096	.27	1.04	59306	.182	(a)
55716	.44	.52	56919	.29	(a)	58301	.091	.082	59378	.178	.152
55717	.39	(a)	56920	.27	(a)	58302	.072	.055	59481	.49	.088
55718	.37	(a)	56980	.15	(a)	58397	.42	.83	59482	.39	(a)
55802	.085	.009	57001	.051	.031	58408	.132	—	59537	.192	.168
55918	.172	3.19	57002	.033	.11	58409	.167	—	59601	.184	2.31
55919	.024	3.64	57090	.43	.63	58456	.089	—	59647	.172	.176
56040	.016	.04	57146	.27	.67	58457	.129	—	59660	.34	1.14
56041	.107	(a)	57202	.133	(a)	58458	.167	—	59661	.166	(a)
56042	.135	(a)	57257	.165	.036	58459	.201	—	59693	.028	—

## DIVISION SIX

## PREM/OPS TERR. 501

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 501 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.84	.061	63220	(a)	—	91190	4.16	(a)
59701	.013	.244	59970	.164	.182	64074	68.60	—	91200	1.63	—
59713	.30	.33	59973	.232	(a)	64075	48.30	—	91210	(a)	—
59722	.157	.032	59975	.229	.243	64500	(a)	—	91235	4.84	5.01
59723	.059	.038	59977	.131	(a)	65007	79.60	—	91250	7.29	(a)
59724	.09	.022	59984	.063	.055	66122	34.20	—	91265	34.90	4.90
59725	.113	.104	59985	.248	(a)	66123	18.80	—	91266	18.50	.98
59726	.082	.024	59986	.189	(a)	66309	55.00	—	91280	(a)	1.97
59738	.26	.066	59988	.058	.06	66561	127.00	—	91302	23.20	(a)
59750	.143	.24	59989	.033	.045	67017	118.00	—	91315	7.04	—
59751	.051	(a)	60010	67.00	—	67508	90.10	—	91324	15.70	(a)
59773	.022	.028	60011	77.00	—	67509	66.10	—	91325	(a)	(a)
59774	.018	.152	60012	127.00	—	67510	36.80	—	91340	10.20	8.38
59775	.023	.189	60013	109.00	—	67511	39.80	—	91341	8.86	3.78
59781	.124	.076	60015	81.10	—	67512	170.00	—	91342	9.39	3.70
59782	.185	.49	60016	91.10	—	67513	108.00	—	91343	1.96	2.32
59783	.18	(a)	60035	89.70	—	67634	102.00	—	91405	11.90	—
59784	.138	(a)	61000	66.30	—	67635	72.30	—	91436	10.00	2.77
59790	.202	(a)	61212	48.20	—	68001	221.00	—	91481	36.60	—
59798	.47	.46	61216	53.50	—	68439	284.00	—	91507	5.39	4.25
59806	.34	(a)	61217	48.70	—	68500	14.70	—	91523	83.20	—
59867	.227	(a)	61218	33.30	—	68604	5.30	—	91547	.47	—
59886	.031	.112	61223	225.00	—	68606	20.70	—	91551	2.93	1.18
59889	.072	.153	61224	79.60	—	68607	16.40	—	91555	2.91	1.25
59892	.18	(a)	61225	110.00	—	68702	13.50	—	91560	10.20	4.68
59904	.122	.066	61226	176.00	—	68703	10.10	—	91562	6.53	—
59905	.142	.13	61227	161.00	—	68706	43.40	—	91577	23.40	3.51
59914	.84	.62	62000	36.60	—	68707	42.90	—	91580	13.50	—
59915	.40	.78	62001	27.50	—	90089	8.49	—	91581	(a)	(a)
59917	.075	.165	62002	12.50	—	91111	6.24	7.34	91582	(a)	(a)
59923	.021	.005	62003	39.50	—	91125	5.11	3.01	91583	(a)	(a)
59925	.55	1.09	63010	121.00	—	91127	4.20	1.42	91584	(a)	(a)
59926	.47	.42	63011	151.00	—	91130	2.86	—	91585	(a)	(a)
59927	.31	1.56	63012	214.00	—	91135	.80	(a)	91586	(a)	(a)
59931	.38	.59	63013	203.00	—	91150	3.96	6.47	91587	(a)	(a)
59932	.40	.93	63215	131.00	—	91155	8.80	30.00	91588	(a)	(a)
59941	.126	(a)	63216	90.60	—	91160	2.05	—	91589	(a)	(a)
59947	.122	.33	63217	78.00	—	91175	1.77	—	91590	6.78	—
59955	.048	.147	63218	26.30	—	91177	7.73	—	91591	(a)	(a)
59963	.36	.45	63219	(a)	—	91179	7.76	—	91606	28.00	—

\$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	2.86	—	97653	6.15	4.83	98426	4.98	(a)
91629	5.72	(a)	95358	(a)	—	97654	10.70	4.24	98427	4.86	—
91636	9.80	—	95410	8.71	3.33	97655	10.70	4.30	98428	(a)	—
91641	2.65	(a)	95455	11.80	3.08	98002	1.94	1.03	98429	2.55	—
91666	1.83	(a)	95487	4.67	(a)	98003	1.92	(a)	98430	(a)	—
91722	8.57	(a)	95505	5.51	2.25	98090	.26	—	98449	6.97	17.70
91746	6.53	6.27	95620	3.79	(a)	98091	.28	—	98482	7.48	7.50
91805	.41	—	95625	11.10	4.22	98092	.85	—	98483	11.00	16.80
92053	1.01	.67	95630	(a)	(a)	98111	1.22	—	98502	10.60	4.50
92054	.35	.30	95647	5.83	6.97	98150	(a)	—	98555	4.92	—
92055	9.69	.30	95648	(a)	(a)	98151	(a)	—	98597	1.10	—
92101	15.10	4.10	96053	4.43	4.99	98152	6.53	.91	98598	.38	—
92102	9.12	3.28	96317	2.96	—	98153	7.35	(a)	98601	12.70	(a)
92215	6.94	2.87	96408	7.54	13.40	98154	8.68	(a)	98622	(a)	—
92338	3.50	1.48	96409	6.97	13.90	98155	12.10	(a)	98623	(a)	—
92445	5.61	—	96410	6.12	9.93	98156	(a)	(a)	98624	1.99	—
92446	11.50	3.23	96611	2.35	2.14	98157	7.76	.42	98636	5.94	4.44
92447	10.10	1.75	96702	8.68	(a)	98158	(a)	(a)	98640	218.00	—
92451	4.84	3.63	96703	(a)	—	98159	5.21	(a)	98658	12.60	—
92453	6.37	—	96816	8.14	—	98160	11.00	(a)	98659	2.25	.78
92478	3.15	2.70	96872	10.50	(a)	98161	12.40	(a)	98677	34.40	10.10
92593	63.50	—	96930	(a)	—	98162	(a)	(a)	98678	30.50	12.70
92663	1.33	—	97002	(a)	(a)	98163	13.00	.42	98698	(a)	(a)
94007	21.60	4.77	97003	(a)	(a)	98164	4.08	.148	98699	9.94	(a)
94099	4.92	—	97047	7.13	—	98257	2.90	—	98705	17.80	—
94225	17.30	—	97050	5.54	—	98303	24.40	6.20	98710	6.91	—
94276	9.02	5.27	97111	10.40	—	98304	10.80	3.99	98751	9.49	—
94304	6.18	(a)	97220	.77	(a)	98305	5.73	1.46	98805	9.02	1.19
94381	11.60	10.50	97221	(a)	1.49	98306	14.70	.79	98806	5.54	5.23
94404	8.55	5.46	97222	3.21	2.91	98307	3.41	.69	98810	8.07	—
94444	(a)	(a)	97223	4.84	4.83	98308	2.24	1.23	98813	7.79	2.35
94569	5.77	5.61	97308	1.43	—	98309	12.20	1.98	98820	17.20	3.01
94590	24.90	—	97447	4.70	5.27	98344	1.60	1.01	98871	(a)	(a)
94617	7.86	—	97501	(a)	—	98405	2.63	—	98884	4.48	1.73
94638	(a)	—	97502	(a)	—	98413	28.30	(a)	98914	1.53	.84
95124	2.90	1.14	97503	(a)	—	98414	25.90	(a)	98949	2.14	.61
95233	6.21	—	97504	(a)	—	98415	3.41	(a)	98967	7.04	6.59
95305	6.75	—	97650	7.19	3.78	98423	8.11	(a)	98993	11.40	6.97
95306	11.20	—	97651	13.90	5.75	98424	13.80	(a)	99003	3.34	1.27
95310	16.10	1.73	97652	12.00	4.80	98425	5.65	(a)	99004	6.48	1.82

## 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	2.37	12.60	99826	1.60	.60						
99081	(a)	—	99827	.85	.74						
99082	(a)	—	99851	3.47	—						
99083	(a)	—	99917	5.62	—						
99084	(a)	(a)	99938	6.31	—						
99085	(a)	(a)	99943	18.30	—						
99111	3.44	—	99946	13.60	3.61						
99160	(a)	—	99948	13.70	33.50						
99163	8.20	.69	99952	11.80	15.60						
99165	1.80	(a)	99953	12.80	8.45						
99220	3.37	(a)	99954	9.29	15.20						
99221	(a)	(a)	99955	11.60	8.40						
99222	6.33	(a)	99963	1.36	—						
99223	.50	(a)	99969	6.12	3.54						
99303	27.50	—	99975	10.30	—						
99310	6.88	(a)	99986	(a)	—						
99315	20.20	2.22	99987	(a)	—						
99321	19.60	2.83	99988	5.41	—						
99445	(a)	(a)									
99471	1.53	—									
99505	9.62	—									
99506	11.80	—									
99507	10.30	—									
99570	5.54	(a)									
99571	1.34	(a)									
99572	2.62	(a)									
99573	2.51	(a)									
99600	2.82	—									
99613	17.40	3.09									
99614	6.29	—									
99620	.95	—									
99650	2.62	1.36									
99709	6.47	(a)									
99718	2.78	—									
99746	4.70	3.46									
99760	.54	—									
99777	14.00	—									
99793	5.96	—									
99798	(a)	(a)									
99803	(a)	11.00									

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
10010	.225	.184	10205	.98	—	11210	6.95	—	13207	(a)	(a)
10015	12.90	—	10220	18.50	—	11211	36.10	—	13208	(a)	(a)
10020	(a)	(a)	10255	.34	.131	11212	5.47	—	13314	.47	.017
10026	2.54	.029	10256	1.26	.147	11213	4.46	—	13351	1.15	.06
10036	.93	(a)	10257	.238	.167	11214	11.00	—	13352	1.17	.058
10040	.171	.28	10309	.64	.026	11222	.185	—	13410	1.98	2.44
10042	1.45	.45	10315	1.50	(a)	11234	1.11	.064	13411	(a)	(a)
10052	8.95	—	10331	17.60	—	11248	.066	.019	13412	.67	1.01
10054	7.94	—	10332	30.30	—	11258	2.84	.201	13453	.77	(a)
10060	.70	.042	10352	1.37	.07	11259	3.05	.118	13454	.90	(a)
10065	1.04	.04	10367	9.30	—	11273	54.80	—	13455	.92	(a)
10066	1.07	.063	10368	13.60	—	11274	52.60	—	13461	(a)	(a)
10070	.129	.141	10375	(a)	—	11288	3.48	.095	13506	3.61	.09
10071	1.25	.149	10378	17.80	—	12014	.141	.056	13507	4.34	.177
10072	10.50	—	10379	8.25	—	12356	4.65	.037	13590	.68	.74
10073	1.45	.29	10380	14.10	—	12361	.142	.082	13621	.172	.36
10075	10.80	.193	10381	12.20	—	12362	.141	(a)	13670	.079	.013
10100	2.36	.074	11007	3.96	—	12373	.054	.025	13673	2.15	.023
10101	.94	.166	11020	1.19	.207	12374	2.42	.051	13715	.141	.154
10105	10.20	—	11039	1.26	.087	12375	1.19	.071	13716	1.78	.138
10107	4.43	.31	11052	8.11	—	12391	.106	.091	13720	1.21	.059
10110	44.10	—	11101	(a)	(a)	12393	1.58	(a)	13759	.70	.153
10111	.28	.083	11120	(a)	—	12467	.66	(a)	13930	.30	.211
10113	1.41	—	11126	.246	.02	12509	.086	.038	14068	.154	.015
10115	2.81	.073	11127	.72	.008	12510	1.09	.041	14101	1.80	.061
10117	12.90	—	11128	.97	.093	12583	.49	(a)	14279	.66	.117
10119	(a)	—	11138	4.39	—	12651	1.42	.49	14401	2.86	.151
10120	28.80	—	11155	.84	—	12683	.65	(a)	14405	2.33	—
10130	13.90	—	11160	(a)	(a)	12707	.93	.65	14527	.57	.181
10132	12.00	—	11167	1.87	—	12797	.195	.169	14655	.35	—
10133	7.79	—	11168	9.69	—	12805	1.27	.144	14731	8.04	—
10135	(a)	—	11201	34.60	—	12841	2.11	—	14732	.60	—
10140	.065	.021	11202	10.20	—	12927	.37	—	14733	2.44	—
10141	.13	.024	11203	1.67	.54	13049	.074	.054	14734	1.04	—
10145	.63	.015	11204	1.23	1.99	13111	2.63	.097	14855	.30	.162
10146	1.05	.022	11205	(a)	—	13112	.12	.069	14913	1.31	.153
10150	1.95	(a)	11206	1.61	—	13201	1.25	.167	15060	(a)	(a)
10151	49.00	—	11207	20.30	—	13204	1.42	1.40	15061	(a)	(a)
10160	8.73	—	11208	3.48	—	13205	.55	.43	15062	.27	(a)
10204	.88	—	11209	16.30	—	13206	(a)	(a)	15063	.32	(a)



## DIVISION SIX

## PREM/OPS TERR. 502

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.31	—	16750	.41	.031	18707	.021	.003	40117	(a)	—
15119	(a)	—	16751	.41	—	18708	.45	.02	40140	(a)	—
15120	(a)	—	16819	1.65	(a)	18833	.25	(a)	41001	.48	—
15123	7.78	—	16820	1.28	(a)	18834	1.17	.162	41210	(a)	—
15124	2.72	—	16881	6.41	(a)	18911	3.69	.025	41421	.86	—
15188	.48	(a)	16890	.193	(a)	18912	6.95	.032	41422	.46	—
15223	.093	.033	16891	.21	(a)	18920	1.80	.022	41510	185.00	—
15224	1.28	.077	16892	.38	(a)	18991	(a)	—	41603	40.90	—
15300	(a)	—	16900	5.26	.06	19007	3.04	—	41604	22.50	—
15314	.84	(a)	16901	3.37	.084	19051	6.74	—	41620	2.90	—
15404	.124	(a)	16902	2.86	.048	19061	(a)	—	41650	57.60	—
15405	.183	(a)	16905	5.53	.06	19795	1.21	(a)	41664	61.10	—
15406	.47	.044	16906	3.53	.084	19796	1.41	—	41665	7.15	—
15488	1.16	(a)	16910	3.15	.037	40005	(a)	—	41666	(a)	—
15538	1.50	.016	16911	2.86	.054	40006	(a)	—	41667	167.00	—
15600	3.77	.105	16915	3.24	.033	40010	(a)	—	41668	157.00	—
15607	.41	—	16916	2.70	.054	40015	(a)	—	41669	1.10	—
15608	.84	.013	16920	7.17	.091	40020	(a)	—	41670	1.84	—
15656	24.80	—	16921	6.55	.041	40026	(a)	—	41672	(a)	—
15699	1.01	—	16930	4.13	.122	40031	(a)	—	41673	(a)	—
15733	.30	.038	16931	4.45	.051	40032	(a)	—	41675	(a)	—
15839	1.13	.037	16940	8.95	.041	40040	(a)	—	41677	.60	—
15991	.92	.071	16941	3.59	.076	40041	(a)	—	41678	169.00	—
15993	.78	.05	18078	.26	.22	40042	(a)	—	41679	(a)	(a)
16005	.075	.034	18109	1.54	.042	40045	403.00	—	41680	29.90	—
16009	.37	.079	18110	1.23	.026	40046	79.70	—	41696	1.89	—
16402	5.57	—	18200	(a)	—	40047	28.40	—	41697	1.32	—
16403	3.52	.141	18205	.39	.31	40059	10.20	—	41700	(a)	—
16404	4.45	—	18206	1.99	.102	40061	5.40	—	41715	19.00	—
16471	.58	—	18335	1.43	.021	40063	181.00	—	41716	12.10	—
16501	.158	(a)	18435	2.50	.095	40064	53.10	—	43007	(a)	—
16527	.243	.36	18436	2.02	.152	40066	(a)	—	43117	(a)	—
16588	.172	(a)	18437	2.05	(a)	40067	(a)	—	43151	31.60	—
16604	.29	.147	18438	3.93	(a)	40069	(a)	—	43152	50.60	—
16670	7.28	—	18501	2.29	.017	40072	(a)	—	43200	120.00	—
16676	1.17	.018	18506	.61	.007	40075	63.40	—	43215	(a)	—
16694	.57	(a)	18507	.74	.011	40101	30.60	—	43421	32.90	—
16705	.45	.152	18570	7.70	—	40102	27.00	—	43422	173.00	—
16722	(a)	—	18575	(a)	(a)	40111	14.30	—	43424	(a)	—
16723	(a)	—	18616	.46	.54	40115	(a)	—	43470	11.00	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
43517	(a)	—	44277	105.00	—	46004	54.70	—	47471	7.48	—
43518	26.20	—	44280	.60	—	46005	43.80	—	47473	9.79	—
43550	117.00	—	44311	13.50	—	46112	.12	—	47474	10.90	—
43551	65.10	—	44315	9.08	—	46202	2.21	—	47475	8.64	—
43626	20.90	—	44427	111.00	—	46362	590.00	—	47476	8.64	—
43628	272.00	—	44428	111.00	—	46426	86.30	—	47477	11.50	—
43629	231.00	—	44429	1.67	—	46427	115.00	—	47478	12.10	—
43754	(a)	—	44430	1.16	—	46510	(a)	—	47600	(a)	—
43760	7.68	—	44431	3.70	—	46590	(a)	—	47610	(a)	—
43822	8.77	—	44432	1.17	—	46603	7.23	—	48039	85.20	—
43840	.108	—	44433	37.40	—	46604	8.35	—	48177	(a)	—
43860	6.90	—	44434	71.60	—	46606	22.30	—	48178	(a)	—
43889	2.47	—	44435	74.10	—	46607	30.60	—	48206	55.40	—
43945	(a)	—	44436	86.50	—	46622	25.60	—	48252	(a)	—
43946	(a)	—	44437	71.70	—	46671	(a)	—	48441	.233	—
43990	(a)	(a)	44438	56.70	—	46700	242.00	—	48557	23.30	—
43991	(a)	—	44439	110.00	—	46773	(a)	—	48558	20.20	—
44009	9.48	—	44440	91.30	—	46822	(a)	—	48600	173.00	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	22.40	—	44501	(a)	—	46882	(a)	—	48636	1.94	(a)
44070	6.63	—	45190	1.74	—	46911	41.40	—	48637	17.80	—
44071	7.37	—	45191	1.23	—	46912	75.90	—	48638	8.82	—
44072	5.09	—	45192	1.44	—	46913	(a)	—	48727	(a)	—
44100	3.43	—	45193	.85	—	46914	(a)	—	48808	6.35	—
44101	3.57	—	45210	1.08	—	46915	(a)	—	48924	(a)	—
44102	2.79	—	45224	(a)	—	46916	(a)	—	48925	425.00	—
44103	2.46	—	45225	(a)	—	47050	2.40	—	49005	.41	—
44104	1.04	—	45334	69.20	—	47051	(a)	—	49111	9.71	—
44105	(a)	—	45380	.36	(a)	47052	(a)	—	49181	27.80	—
44106	(a)	—	45450	20.40	—	47103	(a)	—	49183	33.90	—
44108	1.21	—	45523	(a)	—	47146	(a)	—	49184	71.60	—
44109	3.07	—	45524	(a)	—	47147	(a)	—	49185	65.10	—
44110	3.14	—	45539	(a)	—	47221	265.00	—	49239	.27	.65
44111	1.93	—	45678	.65	—	47253	(a)	—	49292	2.04	—
44112	1.14	—	45771	.54	.176	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.176	.09	47318	17.00	—	49333	14.90	—
44193	(a)	—	45900	.43	.04	47367	.60	—	49451	(a)	—
44194	(a)	—	45901	.37	.047	47420	3.73	—	49452	(a)	—
44222	(a)	—	45937	.27	—	47468	(a)	—	49617	.64	.175
44276	161.00	—	45993	(a)	(a)	47469	8.64	—	49618	.54	.055

## DIVISION SIX

## PREM/OPS TERR. 502

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	1.01	.119	51315	.172	.106	51809	.59	.158	52341	.055	(a)
49763	6.57	—	51330	.118	.43	51833	.137	.072	52342	.16	(a)
49800	(a)	—	51333	.039	.31	51850	.29	(a)	52343	.098	(a)
49801	233.00	—	51340	.058	(a)	51851	.194	(a)	52401	.30	(a)
49802	20.70	—	51350	.211	.142	51852	.45	(a)	52402	.032	(a)
49803	36.60	—	51351	.189	.045	51853	.183	(a)	52432	.159	(a)
49840	2.47	—	51352	.26	.114	51854	.41	(a)	52433	.145	1.20
49870	178.00	—	51355	.177	.096	51855	.43	(a)	52435	.182	(a)
49890	(a)	—	51356	.19	.69	51856	.236	(a)	52438	.132	(a)
49891	(a)	—	51357	.245	.53	51857	.40	(a)	52440	.206	(a)
49902	(a)	—	51358	.59	.149	51869	.157	.14	52467	.191	(a)
49903	(a)	—	51359	.52	.84	51877	.89	.22	52469	.067	.109
50010	.34	.58	51370	.69	5.00	51889	.146	.014	52505	.33	.203
50015	.223	(a)	51380	.069	.05	51896	.068	.02	52547	.26	.088
50017	.17	(a)	51400	.28	(a)	51900	.102	.093	52581	1.62	3.68
50045	.39	(a)	51401	.41	(a)	51909	.26	.057	52619	.114	(a)
50047	.044	(a)	51500	.13	.109	51919	.147	(a)	52660	.213	—
51001	.066	.46	51516	.18	—	51926	.15	.04	52744	.52	.094
51005	.014	(a)	51517	.204	—	51927	.081	.115	52767	.24	(a)
51116	.168	.57	51550	.161	.36	51934	.164	.142	52876	(a)	(a)
51201	.059	(a)	51551	.056	.92	51941	.149	.039	52911	.091	.52
51205	.179	.083	51552	.097	.159	51942	.238	—	52967	.034	.064
51206	.028	.45	51553	.172	(a)	51956	.64	.246	53001	.33	.33
51210	.116	(a)	51554	.016	(a)	51957	.57	.40	53077	.16	.197
51211	(a)	(a)	51575	.057	.02	51958	.50	.39	53095	.11	(a)
51220	.40	2.58	51576	.31	.075	51959	.52	(a)	53096	.153	(a)
51221	.221	1.94	51600	.211	.198	51960	.068	.36	53121	.43	.46
51222	.27	3.12	51613	.139	.138	51970	.30	.25	53147	.041	(a)
51224	.28	1.33	51625	.061	(a)	51982	.087	.085	53229	.227	(a)
51230	.048	.79	51666	.09	.103	51985	.168	—	53271	.082	(a)
51240	.70	.182	51702	.183	(a)	51986	.34	.107	53333	.223	.213
51241	2.09	.30	51703	.076	(a)	51999	.144	.46	53374	.138	.38
51250	.31	(a)	51734	.142	.31	52002	.127	.118	53375	.073	.25
51251	.061	(a)	51741	.37	.25	52075	.225	.25	53376	.117	.187
51252	.213	.101	51752	.31	.159	52076	.27	(a)	53377	.12	.211
51253	.181	(a)	51767	.026	.009	52109	.032	(a)	53403	.076	(a)
51254	.057	.045	51777	.091	.076	52134	.42	.70	53425	.21	(a)
51255	.78	(a)	51790	.152	(a)	52137	.089	(a)	53565	.088	.124
51300	.125	.173	51796	.134	(a)	52150	.78	(a)	53631	.05	.022
51305	.125	1.03	51808	.47	.73	52315	.119	.24	53632	.058	.035

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
53731	.053	(a)	56170	.207	(a)	57401	.106	.098	58503	.127	.061
53732	.36	.46	56171	.101	(a)	57403	.186	.036	58532	.164	(a)
53733	.236	.26	56202	.121	.10	57410	.051	.13	58559	.033	(a)
53734	1.08	—	56390	.212	.63	57411	.052	(a)	58560	.08	(a)
53803	.50	(a)	56391	.182	.32	57572	.03	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.29	.125	57600	.089	.033	58575	.104	.123
53902	(a)	(a)	56488	.152	.034	57611	.111	.064	58627	.33	.016
53903	(a)	(a)	56567	.214	(a)	57625	.78	(a)	58663	.47	1.59
53904	(a)	(a)	56650	.65	(a)	57651	.095	.043	58682	.30	(a)
53905	(a)	(a)	56651	.36	(a)	57690	.144	.51	58713	.058	(a)
53907	.159	.111	56652	.25	(a)	57716	.068	.087	58737	.215	.74
53951	(a)	(a)	56653	.245	(a)	57725	.149	.091	58756	.089	(a)
53952	(a)	(a)	56654	.125	(a)	57726	.116	.019	58757	.72	(a)
53953	(a)	(a)	56690	.079	.36	57798	.048	(a)	58759	.089	(a)
54012	.108	—	56699	.135	.051	57800	.181	(a)	58802	.102	.45
54077	.218	.37	56758	.114	.155	57808	.057	(a)	58813	.218	(a)
54444	(a)	(a)	56759	.117	.093	57809	.059	(a)	58822	.28	(a)
55010	.66	1.10	56760	.168	.106	57810	.057	.109	58837	.44	.165
55011	.178	1.26	56805	.221	(a)	57871	.068	.116	58840	.131	.111
55012	.212	1.17	56806	.157	(a)	57913	.234	.31	58873	.208	.03
55013	.19	.99	56807	.155	(a)	57997	.24	—	58903	.064	(a)
55014	(a)	(a)	56808	.203	(a)	57998	.104	.059	58904	.049	.131
55214	.172	.089	56900	.195	(a)	57999	.094	.071	58922	.35	.187
55371	.35	.13	56910	.097	(a)	58009	.094	(a)	59005	.121	.096
55410	(a)	(a)	56911	.184	(a)	58010	.241	(a)	59057	.90	(a)
55426	.231	(a)	56912	.149	.084	58020	.20	(a)	59058	.58	(a)
55597	.043	1.78	56913	.122	(a)	58056	.29	(a)	59188	.40	.056
55647	.086	.056	56915	.72	(a)	58057	.181	(a)	59189	.54	.30
55648	.039	(a)	56916	.65	.187	58058	.162	(a)	59223	.216	.077
55649	.046	(a)	56917	.188	(a)	58095	.228	1.83	59257	.033	.015
55715	.34	.234	56918	.09	(a)	58096	.30	1.04	59306	.205	(a)
55716	.49	.52	56919	.231	(a)	58301	.072	.082	59378	.14	.152
55717	.30	(a)	56920	.21	(a)	58302	.082	.055	59481	.55	.088
55718	.30	(a)	56980	.169	(a)	58397	.47	.83	59482	.41	(a)
55802	.091	.009	57001	.058	.031	58408	.141	—	59537	.151	.168
55918	.195	3.19	57002	.037	.11	58409	.18	—	59601	.208	2.31
55919	.027	3.64	57090	.34	.63	58456	.096	—	59647	.185	.176
56040	.018	.04	57146	.214	.67	58457	.139	—	59660	.38	1.14
56041	.121	(a)	57202	.15	(a)	58458	.18	—	59661	.187	(a)
56042	.153	(a)	57257	.186	.036	58459	.216	—	59693	.031	—

## DIVISION SIX

## PREM/OPS TERR. 502

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	.95	.061	63220	(a)	—	91190	4.16	(a)
59701	.015	.244	59970	.129	.182	64074	12.30	—	91200	1.63	—
59713	.34	.33	59973	.26	(a)	64075	8.64	—	91210	(a)	—
59722	.177	.032	59975	.181	.243	64500	(a)	—	91235	4.84	5.01
59723	.067	.038	59977	.103	(a)	65007	91.80	—	91250	7.29	(a)
59724	.102	.022	59984	.072	.055	66122	39.50	—	91265	34.90	4.90
59725	.127	.104	59985	.28	(a)	66123	21.70	—	91266	18.50	.98
59726	.093	.024	59986	.214	(a)	66309	63.40	—	91280	(a)	1.97
59738	.30	.066	59988	.046	.06	66561	147.00	—	91302	23.20	(a)
59750	.113	.24	59989	.037	.045	67017	136.00	—	91315	7.04	—
59751	.041	(a)	60010	106.00	—	67508	69.10	—	91324	15.70	(a)
59773	.023	.028	60011	122.00	—	67509	50.70	—	91325	(a)	(a)
59774	.019	.152	60012	200.00	—	67510	28.20	—	91340	10.20	8.38
59775	.025	.189	60013	171.00	—	67511	30.50	—	91341	8.86	3.78
59781	.098	.076	60015	128.00	—	67512	131.00	—	91342	9.39	3.70
59782	.146	.49	60016	144.00	—	67513	82.90	—	91343	1.96	2.32
59783	.142	(a)	60035	104.00	—	67634	118.00	—	91405	11.90	—
59784	.109	(a)	61000	105.00	—	67635	83.50	—	91436	10.00	2.77
59790	.228	(a)	61212	55.70	—	68001	255.00	—	91481	36.60	—
59798	.37	.46	61216	61.80	—	68439	328.00	—	91507	5.39	4.25
59806	.27	(a)	61217	56.20	—	68500	23.30	—	91523	83.20	—
59867	.26	(a)	61218	38.40	—	68604	6.12	—	91547	.47	—
59886	.035	.112	61223	259.00	—	68606	23.90	—	91551	2.93	1.18
59889	.077	.153	61224	91.80	—	68607	18.90	—	91555	2.91	1.25
59892	.142	(a)	61225	127.00	—	68702	15.60	—	91560	10.20	4.68
59904	.096	.066	61226	203.00	—	68703	11.70	—	91562	6.53	—
59905	.161	.13	61227	186.00	—	68706	50.10	—	91577	23.40	3.51
59914	.94	.62	62000	42.30	—	68707	49.50	—	91580	13.50	—
59915	.32	.78	62001	31.70	—	90089	8.49	—	91581	(a)	(a)
59917	.059	.165	62002	14.50	—	91111	6.24	7.34	91582	(a)	(a)
59923	.023	.005	62003	45.60	—	91125	5.11	3.01	91583	(a)	(a)
59925	.53	1.09	63010	190.00	—	91127	4.20	1.42	91584	(a)	(a)
59926	.45	.42	63011	238.00	—	91130	2.86	—	91585	(a)	(a)
59927	.30	1.56	63012	338.00	—	91135	.80	(a)	91586	(a)	(a)
59931	.42	.59	63013	320.00	—	91150	3.96	6.47	91587	(a)	(a)
59932	.46	.93	63215	151.00	—	91155	8.80	30.00	91588	(a)	(a)
59941	.142	(a)	63216	105.00	—	91160	2.05	—	91589	(a)	(a)
59947	.096	.33	63217	81.10	—	91175	1.77	—	91590	6.78	—
59955	.055	.147	63218	27.30	—	91177	7.73	—	91591	(a)	(a)
59963	.41	.45	63219	(a)	—	91179	7.76	—	91606	28.00	—

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
91618	(a)	(a)	95357	2.86	—	97653	6.15	4.83	98426	4.98	(a)
91629	5.72	(a)	95358	(a)	—	97654	10.70	4.24	98427	4.86	—
91636	9.80	—	95410	8.71	3.33	97655	10.70	4.30	98428	(a)	—
91641	2.65	(a)	95455	11.80	3.08	98002	1.94	1.03	98429	2.55	—
91666	1.83	(a)	95487	4.67	(a)	98003	1.92	(a)	98430	(a)	—
91722	8.57	(a)	95505	5.51	2.25	98090	.26	—	98449	6.97	17.70
91746	6.53	6.27	95620	3.79	(a)	98091	.28	—	98482	7.48	7.50
91805	.41	—	95625	11.10	4.22	98092	.85	—	98483	11.00	16.80
92053	1.01	.67	95630	(a)	(a)	98111	1.22	—	98502	10.60	4.50
92054	.35	.30	95647	5.83	6.97	98150	(a)	—	98555	4.92	—
92055	9.69	.30	95648	(a)	(a)	98151	(a)	—	98597	1.10	—
92101	15.10	4.10	96053	4.43	4.99	98152	6.53	.91	98598	.38	—
92102	9.12	3.28	96317	2.96	—	98153	7.35	(a)	98601	12.70	(a)
92215	6.94	2.87	96408	7.54	13.40	98154	8.68	(a)	98622	(a)	—
92338	3.50	1.48	96409	6.97	13.90	98155	12.10	(a)	98623	(a)	—
92445	5.61	—	96410	6.12	9.93	98156	(a)	(a)	98624	1.99	—
92446	11.50	3.23	96611	2.35	2.14	98157	7.76	.42	98636	5.94	4.44
92447	10.10	1.75	96702	8.68	(a)	98158	(a)	(a)	98640	218.00	—
92451	4.84	3.63	96703	(a)	—	98159	5.21	(a)	98658	12.60	—
92453	6.37	—	96816	8.14	—	98160	11.00	(a)	98659	2.25	.78
92478	3.15	2.70	96872	10.50	(a)	98161	12.40	(a)	98677	34.40	10.10
92593	63.50	—	96930	(a)	—	98162	(a)	(a)	98678	30.50	12.70
92663	1.33	—	97002	(a)	(a)	98163	13.00	.42	98698	(a)	(a)
94007	21.60	4.77	97003	(a)	(a)	98164	4.08	.148	98699	9.94	(a)
94099	4.92	—	97047	7.13	—	98257	2.90	—	98705	17.80	—
94225	17.30	—	97050	5.54	—	98303	24.40	6.20	98710	6.91	—
94276	9.02	5.27	97111	10.40	—	98304	10.80	3.99	98751	9.49	—
94304	6.18	(a)	97220	.77	(a)	98305	5.73	1.46	98805	9.02	1.19
94381	11.60	10.50	97221	(a)	1.49	98306	14.70	.79	98806	5.54	5.23
94404	8.55	5.46	97222	3.21	2.91	98307	3.41	.69	98810	8.07	—
94444	(a)	(a)	97223	4.84	4.83	98308	2.24	1.23	98813	7.79	2.35
94569	5.77	5.61	97308	1.43	—	98309	12.20	1.98	98820	17.20	3.01
94590	24.90	—	97447	4.70	5.27	98344	1.60	1.01	98871	(a)	(a)
94617	7.86	—	97501	(a)	—	98405	2.63	—	98884	4.48	1.73
94638	(a)	—	97502	(a)	—	98413	28.30	(a)	98914	1.53	.84
95124	2.90	1.14	97503	(a)	—	98414	25.90	(a)	98949	2.14	.61
95233	6.21	—	97504	(a)	—	98415	3.41	(a)	98967	7.04	6.59
95305	6.75	—	97650	7.19	3.78	98423	8.11	(a)	98993	11.40	6.97
95306	11.20	—	97651	13.90	5.75	98424	13.80	(a)	99003	3.34	1.27
95310	16.10	1.73	97652	12.00	4.80	98425	5.65	(a)	99004	6.48	1.82

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 502 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
99080	2.37	12.60	99826	1.60	.60						
99081	(a)	—	99827	.85	.74						
99082	(a)	—	99851	3.47	—						
99083	(a)	—	99917	5.62	—						
99084	(a)	(a)	99938	6.31	—						
99085	(a)	(a)	99943	18.30	—						
99111	3.44	—	99946	13.60	3.61						
99160	(a)	—	99948	13.70	33.50						
99163	8.20	.69	99952	11.80	15.60						
99165	1.80	(a)	99953	12.80	8.45						
99220	3.37	(a)	99954	9.29	15.20						
99221	(a)	(a)	99955	11.60	8.40						
99222	6.33	(a)	99963	1.36	—						
99223	.50	(a)	99969	6.12	3.54						
99303	27.50	—	99975	10.30	—						
99310	6.88	(a)	99986	(a)	—						
99315	20.20	2.22	99987	(a)	—						
99321	19.60	2.83	99988	5.41	—						
99445	(a)	(a)									
99471	1.53	—									
99505	9.62	—									
99506	11.80	—									
99507	10.30	—									
99570	5.54	(a)									
99571	1.34	(a)									
99572	2.62	(a)									
99573	2.51	(a)									
99600	2.82	—									
99613	17.40	3.09									
99614	6.29	—									
99620	.95	—									
99650	2.62	1.36									
99709	6.47	(a)									
99718	2.78	—									
99746	4.70	3.46									
99760	.54	—									
99777	14.00	—									
99793	5.96	—									
99798	(a)	(a)									
99803	(a)	11.00									

\$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	.231	.184	10205	.53	—	11210	4.42	—	13207	(a)	(a)
10015	13.80	—	10220	10.00	—	11211	23.00	—	13208	(a)	(a)
10020	(a)	(a)	10255	.30	.131	11212	3.48	—	13314	.26	.017
10026	1.38	.029	10256	1.08	.147	11213	2.84	—	13351	.62	.06
10036	.80	(a)	10257	.204	.167	11214	6.98	—	13352	.63	.058
10040	.176	.28	10309	.34	.026	11222	.117	—	13410	1.70	2.44
10042	.79	.45	10315	.81	(a)	11234	.60	.064	13411	(a)	(a)
10052	9.57	—	10331	18.80	—	11248	.056	.019	13412	.57	1.01
10054	8.49	—	10332	32.40	—	11258	1.85	.201	13453	.66	(a)
10060	.38	.042	10352	.89	.07	11259	1.98	.118	13454	.78	(a)
10065	.57	.04	10367	5.92	—	11273	29.70	—	13455	.79	(a)
10066	.58	.063	10368	8.65	—	11274	28.50	—	13461	(a)	(a)
10070	.132	.141	10375	(a)	—	11288	2.26	.095	13506	1.96	.09
10071	.68	.149	10378	19.00	—	12014	.121	.056	13507	2.36	.177
10072	6.69	—	10379	8.82	—	12356	2.52	.037	13590	.59	.74
10073	1.24	.29	10380	15.10	—	12361	.21	.082	13621	.148	.36
10075	9.23	.193	10381	13.00	—	12362	.145	(a)	13670	.118	.013
10100	1.53	.074	11007	2.52	—	12373	.055	.025	13673	1.40	.023
10101	.51	.166	11020	.64	.207	12374	1.31	.051	13715	.145	.154
10105	5.53	—	11039	1.08	.087	12375	.64	.071	13716	.97	.138
10107	3.80	.31	11052	6.82	—	12391	.109	.091	13720	.79	.059
10110	47.10	—	11101	(a)	(a)	12393	.86	(a)	13759	.38	.153
10111	.29	.083	11120	(a)	—	12467	.36	(a)	13930	.31	.211
10113	.77	—	11126	.133	.02	12509	.074	.038	14068	.083	.015
10115	1.52	.073	11127	.74	.008	12510	.94	.041	14101	.98	.061
10117	13.70	—	11128	.99	.093	12583	.42	(a)	14279	.57	.117
10119	(a)	—	11138	4.69	—	12651	1.22	.49	14401	1.86	.151
10120	30.80	—	11155	.46	—	12683	.56	(a)	14405	1.48	—
10130	7.54	—	11160	(a)	(a)	12707	.95	.65	14527	.59	.181
10132	6.50	—	11167	1.57	—	12797	.20	.169	14655	.189	—
10133	6.55	—	11168	8.14	—	12805	.69	.144	14731	6.76	—
10135	(a)	—	11201	22.00	—	12841	1.14	—	14732	.50	—
10140	.097	.021	11202	6.51	—	12927	.20	—	14733	1.32	—
10141	.193	.024	11203	1.71	.54	13049	.109	.054	14734	.57	—
10145	.93	.015	11204	.67	1.99	13111	1.71	.097	14855	.26	.162
10146	.68	.022	11205	(a)	—	13112	.179	.069	14913	.71	.153
10150	1.06	(a)	11206	1.02	—	13201	1.07	.167	15060	(a)	(a)
10151	26.60	—	11207	12.90	—	13204	1.22	1.40	15061	(a)	(a)
10160	4.73	—	11208	2.21	—	13205	.47	.43	15062	.234	(a)
10204	.48	—	11209	10.40	—	13206	(a)	(a)	15063	.27	(a)



## DIVISION SIX

PREM/OPS TERR. 503

## GENERAL LIABILITY

PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
15070	.198	—	16750	.222	.031	18707	.022	.003	40117	(a)	—
15119	(a)	—	16751	.222	—	18708	.244	.02	40140	(a)	—
15120	(a)	—	16819	1.41	(a)	18833	.26	(a)	41001	.52	—
15123	6.54	—	16820	1.10	(a)	18834	.63	.162	41210	(a)	—
15124	2.29	—	16881	3.48	(a)	18911	2.00	.025	41421	.62	—
15188	.41	(a)	16890	.166	(a)	18912	3.77	.032	41422	.33	—
15223	.139	.033	16891	.181	(a)	18920	.98	.022	41510	101.00	—
15224	.83	.077	16892	.33	(a)	18991	(a)	—	41603	29.20	—
15300	(a)	—	16900	6.26	.06	19007	2.55	—	41604	16.10	—
15314	.46	(a)	16901	4.01	.084	19051	5.66	—	41620	1.84	—
15404	.107	(a)	16902	3.40	.048	19061	(a)	—	41650	41.20	—
15405	.157	(a)	16905	6.58	.06	19795	.66	(a)	41664	65.30	—
15406	.40	.044	16906	4.20	.084	19796	.77	—	41665	7.65	—
15488	1.00	(a)	16910	3.75	.037	40005	(a)	—	41666	(a)	—
15538	.81	.016	16911	3.40	.054	40006	(a)	—	41667	179.00	—
15600	2.04	.105	16915	3.85	.033	40010	(a)	—	41668	167.00	—
15607	.26	—	16916	3.21	.054	40015	(a)	—	41669	1.17	—
15608	.46	.013	16920	8.53	.091	40020	(a)	—	41670	1.97	—
15656	13.50	—	16921	7.80	.041	40026	(a)	—	41672	(a)	—
15699	.64	—	16930	4.91	.122	40031	(a)	—	41673	(a)	—
15733	.26	.038	16931	5.29	.051	40032	(a)	—	41675	(a)	—
15839	.61	.037	16940	10.70	.041	40040	(a)	—	41677	.38	—
15991	.50	.071	16941	4.27	.076	40041	(a)	—	41678	149.00	—
15993	.42	.05	18078	.26	.22	40042	(a)	—	41679	(a)	(a)
16005	.077	.034	18109	.83	.042	40045	431.00	—	41680	21.40	—
16009	.32	.079	18110	.67	.026	40046	85.20	—	41696	1.20	—
16402	3.02	—	18200	(a)	—	40047	30.40	—	41697	.84	—
16403	1.91	.141	18205	.40	.31	40059	10.90	—	41700	(a)	—
16404	2.41	—	18206	1.08	.102	40061	5.77	—	41715	13.60	—
16471	.37	—	18335	.78	.021	40063	193.00	—	41716	8.65	—
16501	.162	(a)	18435	1.62	.095	40064	56.80	—	43007	(a)	—
16527	.249	.36	18436	1.31	.152	40066	(a)	—	43117	(a)	—
16588	.148	(a)	18437	1.11	(a)	40067	(a)	—	43151	27.20	—
16604	.249	.147	18438	2.13	(a)	40069	(a)	—	43152	44.70	—
16670	7.79	—	18501	1.49	.017	40072	(a)	—	43200	104.00	—
16676	.63	.018	18506	.52	.007	40075	54.70	—	43215	(a)	—
16694	.49	(a)	18507	.40	.011	40101	49.20	—	43421	28.40	—
16705	.46	.152	18570	4.18	—	40102	43.50	—	43422	149.00	—
16722	(a)	—	18575	(a)	(a)	40111	15.30	—	43424	(a)	—
16723	(a)	—	18616	.40	.54	40115	(a)	—	43470	7.01	—

\$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	90.10	—	46004	39.10	—	47471	5.35	—
43518	28.00	—	44280	.38	—	46005	31.30	—	47473	7.00	—
43550	101.00	—	44311	14.40	—	46112	.194	—	47474	7.82	—
43551	56.20	—	44315	9.71	—	46202	4.00	—	47475	6.18	—
43626	22.40	—	44427	178.00	—	46362	522.00	—	47476	6.18	—
43628	291.00	—	44428	179.00	—	46426	76.20	—	47477	8.24	—
43629	246.00	—	44429	2.68	—	46427	102.00	—	47478	8.65	—
43754	(a)	—	44430	1.87	—	46510	(a)	—	47600	(a)	—
43760	8.21	—	44431	5.96	—	46590	(a)	—	47610	(a)	—
43822	5.58	—	44432	1.89	—	46603	6.39	—	48039	73.40	—
43840	.069	—	44433	60.20	—	46604	7.38	—	48177	(a)	—
43860	4.39	—	44434	115.00	—	46606	19.70	—	48178	(a)	—
43889	1.57	—	44435	119.00	—	46607	27.00	—	48206	59.20	—
43945	(a)	—	44436	139.00	—	46622	16.30	—	48252	(a)	—
43946	(a)	—	44437	115.00	—	46671	(a)	—	48441	.249	—
43990	(a)	(a)	44438	91.20	—	46700	208.00	—	48557	24.90	—
43991	(a)	—	44439	177.00	—	46773	(a)	—	48558	21.60	—
44009	7.97	—	44440	147.00	—	46822	(a)	—	48600	152.00	—
44010	(a)	(a)	44500	(a)	—	46881	(a)	—	48610	(a)	—
44069	23.90	—	44501	(a)	—	46882	(a)	—	48636	2.83	(a)
44070	7.08	—	45190	3.15	—	46911	44.30	—	48637	19.00	—
44071	7.88	—	45191	2.24	—	46912	81.10	—	48638	9.43	—
44072	5.44	—	45192	2.61	—	46913	(a)	—	48727	(a)	—
44100	3.63	—	45193	1.54	—	46914	(a)	—	48808	3.44	—
44101	3.78	—	45210	1.95	—	46915	(a)	—	48924	(a)	—
44102	2.95	—	45224	(a)	—	46916	(a)	—	48925	455.00	—
44103	2.61	—	45225	(a)	—	47050	1.52	—	49005	.26	—
44104	1.10	—	45334	59.70	—	47051	(a)	—	49111	5.27	—
44105	(a)	—	45380	.30	(a)	47052	(a)	—	49181	24.00	—
44106	(a)	—	45450	17.60	—	47103	(a)	—	49183	29.30	—
44108	1.28	—	45523	(a)	—	47146	(a)	—	49184	61.70	—
44109	3.25	—	45524	(a)	—	47147	(a)	—	49185	56.20	—
44110	3.32	—	45539	(a)	—	47221	228.00	—	49239	.228	.65
44111	2.04	—	45678	.41	—	47253	(a)	—	49292	1.76	—
44112	1.21	—	45771	.46	.176	47254	(a)	—	49305	(a)	—
44113	(a)	—	45819	.151	.09	47318	18.20	—	49333	12.90	—
44193	(a)	—	45900	.233	.04	47367	.38	—	49451	(a)	—
44194	(a)	—	45901	.20	.047	47420	3.99	—	49452	(a)	—
44222	(a)	—	45937	.234	—	47468	(a)	—	49617	.54	.175
44276	139.00	—	45993	(a)	(a)	47469	6.18	—	49618	.45	.055

## DIVISION SIX

## PREM/OPS TERR. 503

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
49619	.85	.119	51315	.148	.106	51809	.67	.158	52341	.081	(a)
49763	5.52	—	51330	.173	.43	51833	.164	.072	52342	.235	(a)
49800	(a)	—	51333	.057	.31	51850	.42	(a)	52343	.143	(a)
49801	201.00	—	51340	.066	(a)	51851	.28	(a)	52401	.44	(a)
49802	17.80	—	51350	.25	.142	51852	.66	(a)	52402	.036	(a)
49803	31.60	—	51351	.226	.045	51853	.27	(a)	52432	.181	(a)
49840	1.57	—	51352	.31	.114	51854	.60	(a)	52433	.165	1.20
49870	190.00	—	51355	.212	.096	51855	.63	(a)	52435	.207	(a)
49890	(a)	—	51356	.228	.69	51856	.35	(a)	52438	.15	(a)
49891	(a)	—	51357	.21	.53	51857	.59	(a)	52440	.235	(a)
49902	(a)	—	51358	.51	.149	51869	.179	.14	52467	.217	(a)
49903	(a)	—	51359	.44	.84	51877	1.01	.22	52469	.076	.109
50010	.39	.58	51370	.78	5.00	51889	.166	.014	52505	.38	.203
50015	.25	(a)	51380	.078	.05	51896	.078	.02	52547	.38	.088
50017	.193	(a)	51400	.41	(a)	51900	.122	.093	52581	1.84	3.68
50045	.44	(a)	51401	.60	(a)	51909	.38	.057	52619	.13	(a)
50047	.05	(a)	51500	.148	.109	51919	.168	(a)	52660	.136	—
51001	.097	.46	51516	.114	—	51926	.171	.04	52744	.63	.094
51005	.02	(a)	51517	.13	—	51927	.092	.115	52767	.35	(a)
51116	.246	.57	51550	.183	.36	51934	.187	.142	52876	(a)	(a)
51201	.067	(a)	51551	.064	.92	51941	.17	.039	52911	.103	.52
51205	.203	.083	51552	.11	.159	51942	.27	—	52967	.039	.064
51206	.032	.45	51553	.196	(a)	51956	.73	.246	53001	.38	.33
51210	.17	(a)	51554	.019	(a)	51957	.65	.40	53077	.182	.197
51211	(a)	(a)	51575	.068	.02	51958	.57	.39	53095	.125	(a)
51220	.58	2.58	51576	.35	.075	51959	.59	(a)	53096	.174	(a)
51221	.32	1.94	51600	.24	.198	51960	.078	.36	53121	.49	.46
51222	.39	3.12	51613	.158	.138	51970	.34	.25	53147	.059	(a)
51224	.41	1.33	51625	.089	(a)	51982	.099	.085	53229	.33	(a)
51230	.07	.79	51666	.107	.103	51985	.107	—	53271	.093	(a)
51240	.80	.182	51702	.27	(a)	51986	.39	.107	53333	.33	.213
51241	2.38	.30	51703	.111	(a)	51999	.164	.46	53374	.165	.38
51250	.45	(a)	51734	.208	.31	52002	.144	.118	53375	.088	.25
51251	.069	(a)	51741	.42	.25	52075	.33	.25	53376	.14	.187
51252	.242	.101	51752	.35	.159	52076	.40	(a)	53377	.144	.211
51253	.206	(a)	51767	.031	.009	52109	.036	(a)	53403	.091	(a)
51254	.064	.045	51777	.109	.076	52134	.48	.70	53425	.31	(a)
51255	1.14	(a)	51790	.182	(a)	52137	.13	(a)	53565	.106	.124
51300	.15	.173	51796	.152	(a)	52150	.89	(a)	53631	.057	.022
51305	.15	1.03	51808	.54	.73	52315	.142	.24	53632	.066	.035

\$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	.06	(a)	56170	.30	(a)	57401	.12	.098	58503	.144	.061
53732	.41	.46	56171	.149	(a)	57403	.223	.036	58532	.186	(a)
53733	.27	.26	56202	.138	.10	57410	.058	.13	58559	.038	(a)
53734	.69	—	56390	.241	.63	57411	.076	(a)	58560	.092	(a)
53803	.73	(a)	56391	.207	.32	57572	.034	.094	58561	(a)	(a)
53901	(a)	(a)	56427	.33	.125	57600	.102	.033	58575	.118	.123
53902	(a)	(a)	56488	.182	.034	57611	.162	.064	58627	.38	.016
53903	(a)	(a)	56567	.31	(a)	57625	.89	(a)	58663	.69	1.59
53904	(a)	(a)	56650	.96	(a)	57651	.109	.043	58682	.34	(a)
53905	(a)	(a)	56651	.52	(a)	57690	.211	.51	58713	.069	(a)
53907	.181	.111	56652	.37	(a)	57716	.10	.087	58737	.244	.74
53951	(a)	(a)	56653	.36	(a)	57725	.219	.091	58756	.13	(a)
53952	(a)	(a)	56654	.184	(a)	57726	.17	.019	58757	.82	(a)
53953	(a)	(a)	56690	.094	.36	57798	.055	(a)	58759	.102	(a)
54012	.069	—	56699	.154	.051	57800	.206	(a)	58802	.116	.45
54077	.248	.37	56758	.13	.155	57808	.084	(a)	58813	.32	(a)
54444	(a)	(a)	56759	.133	.093	57809	.086	(a)	58822	.32	(a)
55010	.75	1.10	56760	.192	.106	57810	.084	.109	58837	.64	.165
55011	.202	1.26	56805	.25	(a)	57871	.10	.116	58840	.192	.111
55012	.241	1.17	56806	.178	(a)	57913	.27	.31	58873	.31	.03
55013	.28	.99	56807	.177	(a)	57997	.152	—	58903	.073	(a)
55014	(a)	(a)	56808	.231	(a)	57998	.118	.059	58904	.056	.131
55214	.195	.089	56900	.222	(a)	57999	.138	.071	58922	.51	.187
55371	.42	.13	56910	.111	(a)	58009	.138	(a)	59005	.138	.096
55410	(a)	(a)	56911	.27	(a)	58010	.27	(a)	59057	1.02	(a)
55426	.34	(a)	56912	.219	.084	58020	.24	(a)	59058	.66	(a)
55597	.049	1.78	56913	.178	(a)	58056	.33	(a)	59188	.48	.056
55647	.098	.056	56915	1.06	(a)	58057	.206	(a)	59189	.65	.30
55648	.044	(a)	56916	.95	.187	58058	.185	(a)	59223	.32	.077
55649	.053	(a)	56917	.28	(a)	58095	.26	1.83	59257	.037	.015
55715	.39	.234	56918	.132	(a)	58096	.35	1.04	59306	.233	(a)
55716	.56	.52	56919	.34	(a)	58301	.105	.082	59378	.205	.152
55717	.45	(a)	56920	.31	(a)	58302	.093	.055	59481	.63	.088
55718	.43	(a)	56980	.192	(a)	58397	.54	.83	59482	.50	(a)
55802	.109	.009	57001	.066	.031	58408	.09	—	59537	.222	.168
55918	.222	3.19	57002	.043	.11	58409	.114	—	59601	.237	2.31
55919	.03	3.64	57090	.49	.63	58456	.061	—	59647	.221	.176
56040	.021	.04	57146	.31	.67	58457	.088	—	59660	.44	1.14
56041	.138	(a)	57202	.171	(a)	58458	.114	—	59661	.213	(a)
56042	.174	(a)	57257	.212	.036	58459	.137	—	59693	.036	—

## DIVISION SIX

## PREM/OPS TERR. 503

## GENERAL LIABILITY

## PROD/COPS

## LOSS COST PAGES

\$100,000/200,000 BASIC LIMIT OCCURRENCE Premises/Operations (Prem/Ops) (Subline Code 334) Territory 503 Products/Completed Operations (Prod/Cops) (Subline Code 336) Entire State Territory 999											
Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops	Class Code	Prem/ Ops	Prod/ Cops
59695	(a)	(a)	59964	1.08	.061	63220	(a)	—	91190	4.16	(a)
59701	.017	.244	59970	.189	.182	64074	22.20	—	91200	1.63	—
59713	.39	.33	59973	.30	(a)	64075	15.70	—	91210	(a)	—
59722	.202	.032	59975	.26	.243	64500	(a)	—	91235	4.84	5.01
59723	.076	.038	59977	.151	(a)	65007	81.10	—	91250	7.29	(a)
59724	.116	.022	59984	.081	.055	66122	34.90	—	91265	34.90	4.90
59725	.145	.104	59985	.32	(a)	66123	19.20	—	91266	18.50	.98
59726	.105	.024	59986	.244	(a)	66309	56.10	—	91280	(a)	1.97
59738	.34	.066	59988	.068	.06	66561	130.00	—	91302	23.20	(a)
59750	.165	.24	59989	.043	.045	67017	120.00	—	91315	7.04	—
59751	.059	(a)	60010	69.00	—	67508	49.40	—	91324	15.70	(a)
59773	.028	.028	60011	79.30	—	67509	36.20	—	91325	(a)	(a)
59774	.023	.152	60012	130.00	—	67510	20.20	—	91340	10.20	8.38
59775	.03	.189	60013	112.00	—	67511	21.80	—	91341	8.86	3.78
59781	.143	.076	60015	83.40	—	67512	93.50	—	91342	9.39	3.70
59782	.213	.49	60016	93.80	—	67513	59.30	—	91343	1.96	2.32
59783	.208	(a)	60035	91.50	—	67634	104.00	—	91405	11.90	—
59784	.159	(a)	61000	68.30	—	67635	73.80	—	91436	10.00	2.77
59790	.26	(a)	61212	49.20	—	68001	225.00	—	91481	36.60	—
59798	.54	.46	61216	54.60	—	68439	290.00	—	91507	5.39	4.25
59806	.39	(a)	61217	49.70	—	68500	15.20	—	91523	83.20	—
59867	.29	(a)	61218	33.90	—	68604	5.41	—	91547	.47	—
59886	.04	.112	61223	229.00	—	68606	21.10	—	91551	2.93	1.18
59889	.093	.153	61224	81.10	—	68607	16.70	—	91555	2.91	1.25
59892	.208	(a)	61225	113.00	—	68702	13.80	—	91560	10.20	4.68
59904	.14	.066	61226	179.00	—	68703	10.30	—	91562	6.53	—
59905	.183	.13	61227	164.00	—	68706	44.30	—	91577	23.40	3.51
59914	1.07	.62	62000	37.40	—	68707	43.80	—	91580	13.50	—
59915	.47	.78	62001	28.00	—	90089	8.49	—	91581	(a)	(a)
59917	.086	.165	62002	12.80	—	91111	6.24	7.34	91582	(a)	(a)
59923	.026	.005	62003	40.30	—	91125	5.11	3.01	91583	(a)	(a)
59925	.46	1.09	63010	124.00	—	91127	4.20	1.42	91584	(a)	(a)
59926	.39	.42	63011	155.00	—	91130	2.86	—	91585	(a)	(a)
59927	.26	1.56	63012	221.00	—	91135	.80	(a)	91586	(a)	(a)
59931	.48	.59	63013	209.00	—	91150	3.96	6.47	91587	(a)	(a)
59932	.52	.93	63215	133.00	—	91155	8.80	30.00	91588	(a)	(a)
59941	.162	(a)	63216	92.40	—	91160	2.05	—	91589	(a)	(a)
59947	.14	.33	63217	86.60	—	91175	1.77	—	91590	6.78	—
59955	.062	.147	63218	29.20	—	91177	7.73	—	91591	(a)	(a)
59963	.46	.45	63219	(a)	—	91179	7.76	—	91606	28.00	—

\$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	2.86	—	97653	6.15	4.83	98426	4.98	(a)
91629	5.72	(a)	95358	(a)	—	97654	10.70	4.24	98427	4.86	—
91636	9.80	—	95410	8.71	3.33	97655	10.70	4.30	98428	(a)	—
91641	2.65	(a)	95455	11.80	3.08	98002	1.94	1.03	98429	2.55	—
91666	1.83	(a)	95487	4.67	(a)	98003	1.92	(a)	98430	(a)	—
91722	8.57	(a)	95505	5.51	2.25	98090	.26	—	98449	6.97	17.70
91746	6.53	6.27	95620	3.79	(a)	98091	.28	—	98482	7.48	7.50
91805	.41	—	95625	11.10	4.22	98092	.85	—	98483	11.00	16.80
92053	1.01	.67	95630	(a)	(a)	98111	1.22	—	98502	10.60	4.50
92054	.35	.30	95647	5.83	6.97	98150	(a)	—	98555	4.92	—
92055	9.69	.30	95648	(a)	(a)	98151	(a)	—	98597	1.10	—
92101	15.10	4.10	96053	4.43	4.99	98152	6.53	.91	98598	.38	—
92102	9.12	3.28	96317	2.96	—	98153	7.35	(a)	98601	12.70	(a)
92215	6.94	2.87	96408	7.54	13.40	98154	8.68	(a)	98622	(a)	—
92338	3.50	1.48	96409	6.97	13.90	98155	12.10	(a)	98623	(a)	—
92445	5.61	—	96410	6.12	9.93	98156	(a)	(a)	98624	1.99	—
92446	11.50	3.23	96611	2.35	2.14	98157	7.76	.42	98636	5.94	4.44
92447	10.10	1.75	96702	8.68	(a)	98158	(a)	(a)	98640	218.00	—
92451	4.84	3.63	96703	(a)	—	98159	5.21	(a)	98658	12.60	—
92453	6.37	—	96816	8.14	—	98160	11.00	(a)	98659	2.25	.78
92478	3.15	2.70	96872	10.50	(a)	98161	12.40	(a)	98677	34.40	10.10
92593	63.50	—	96930	(a)	—	98162	(a)	(a)	98678	30.50	12.70
92663	1.33	—	97002	(a)	(a)	98163	13.00	.42	98698	(a)	(a)
94007	21.60	4.77	97003	(a)	(a)	98164	4.08	.148	98699	9.94	(a)
94099	4.92	—	97047	7.13	—	98257	2.90	—	98705	17.80	—
94225	17.30	—	97050	5.54	—	98303	24.40	6.20	98710	6.91	—
94276	9.02	5.27	97111	10.40	—	98304	10.80	3.99	98751	9.49	—
94304	6.18	(a)	97220	.77	(a)	98305	5.73	1.46	98805	9.02	1.19
94381	11.60	10.50	97221	(a)	1.49	98306	14.70	.79	98806	5.54	5.23
94404	8.55	5.46	97222	3.21	2.91	98307	3.41	.69	98810	8.07	—
94444	(a)	(a)	97223	4.84	4.83	98308	2.24	1.23	98813	7.79	2.35
94569	5.77	5.61	97308	1.43	—	98309	12.20	1.98	98820	17.20	3.01
94590	24.90	—	97447	4.70	5.27	98344	1.60	1.01	98871	(a)	(a)
94617	7.86	—	97501	(a)	—	98405	2.63	—	98884	4.48	1.73
94638	(a)	—	97502	(a)	—	98413	28.30	(a)	98914	1.53	.84
95124	2.90	1.14	97503	(a)	—	98414	25.90	(a)	98949	2.14	.61
95233	6.21	—	97504	(a)	—	98415	3.41	(a)	98967	7.04	6.59
95305	6.75	—	97650	7.19	3.78	98423	8.11	(a)	98993	11.40	6.97
95306	11.20	—	97651	13.90	5.75	98424	13.80	(a)	99003	3.34	1.27
95310	16.10	1.73	97652	12.00	4.80	98425	5.65	(a)	99004	6.48	1.82

\$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	2.37	12.60	99826	1.60	.60						
99081	(a)	—	99827	.85	.74						
99082	(a)	—	99851	3.47	—						
99083	(a)	—	99917	5.62	—						
99084	(a)	(a)	99938	6.31	—						
99085	(a)	(a)	99943	18.30	—						
99111	3.44	—	99946	13.60	3.61						
99160	(a)	—	99948	13.70	33.50						
99163	8.20	.69	99952	11.80	15.60						
99165	1.80	(a)	99953	12.80	8.45						
99220	3.37	(a)	99954	9.29	15.20						
99221	(a)	(a)	99955	11.60	8.40						
99222	6.33	(a)	99963	1.36	—						
99223	.50	(a)	99969	6.12	3.54						
99303	27.50	—	99975	10.30	—						
99310	6.88	(a)	99986	(a)	—						
99315	20.20	2.22	99987	(a)	—						
99321	19.60	2.83	99988	5.41	—						
99445	(a)	(a)									
99471	1.53	—									
99505	9.62	—									
99506	11.80	—									
99507	10.30	—									
99570	5.54	(a)									
99571	1.34	(a)									
99572	2.62	(a)									
99573	2.51	(a)									
99600	2.82	—									
99613	17.40	3.09									
99614	6.29	—									
99620	.95	—									
99650	2.62	1.36									
99709	6.47	(a)									
99718	2.78	—									
99746	4.70	3.46									
99760	.54	—									
99777	14.00	—									
99793	5.96	—									
99798	(a)	(a)									
99803	(a)	11.00									