

LOSS COSTS – IMPLEMENTATION

SEPTEMBER 26, 2023

COMMERCIAL AUTOMOBILE

LI-CA-2023-303

COLORADO REVISED COMMERCIAL AUTO ADVISORY PROSPECTIVE LOSS COSTS TO BE IMPLEMENTED

KEY MESSAGE

Loss costs representing a **19.7%** statewide change to be implemented.

BACKGROUND

In circular [LI-CA-2023-263](#), we provided you with information about the Commercial Auto loss cost level experience review.

CONSIDERATION OF COVID-19

There will almost certainly be long-term behavioral, social and economic changes as a result of COVID-19. So far, we observe that the pandemic resulted in decreases for Commercial Auto frequencies with some offsetting effects on severity. We are including the pandemic experience in our review without adjustment. We will continue to monitor existing reporting trends, including how new data entering the experience period of our next review reflects COVID-19 impacts. Please feel free to contact us for additional discussion, clarification or questions.

See the filing material for further details.

ISO ACTION

We are implementing [CA-2023-BRLA1](#), which presents a review of Commercial Auto loss cost experience. Refer to the attached explanatory material for complete details about the filing.

For more information on the status of filings in a particular state, including filed and approved documents, associated circulars and links to Print Ready Manuals and Commercial Lines Manual, please feel free to access our [Filings](#) feature within the ISOnet Circulars product.

SUPPLEMENTARY INFORMATION

We are including supplementary information for Colorado, which provides additional information on the attached loss cost level experience review.

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

EFFECTIVE DATE

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

These changes are applicable to all policies written on or after April 1, 2024.

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

IMPACT ON THE STATISTICAL REPORTING OF LOSS COST MULTIPLIER

For the purpose of reporting your company Loss Cost Multiplier under the CSP, as of April 1, 2024, the multiplier must be based on the relationship between your gross rates and the ISO advisory prospective loss costs contained in this circular.

COMPANY ACTION

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

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

WE WILL SUBMIT OUR REFERENCE FILING TO THE INSURANCE DEPARTMENT ON FEBRUARY 26, 2024. ANY SUBMISSION YOU MAY MAKE WITH THE INSURANCE DEPARTMENT WITH RESPECT TO THIS FILING SHOULD NOT BE SUBMITTED PRIOR TO THIS DATE.

In all correspondence with the Insurance Department on this revision, you should refer to ISO Filing Number CA-2023-BRLA1 and SERFF Tracking Number ISO-133817839, NOT this circular number.

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

RATING SOFTWARE IMPACT

No new attributes are being introduced with this revision.

POLICYHOLDER NOTIFICATION

If you decide to implement this revision, you should check all applicable laws for the state(s) to which this revision applies, to determine whether or not a specific policyholder notice requirement may apply. Please note that circular [LI-CL-2023-005](#) contains the ISO Guide To Renewals With Changed Conditions For Commercial Lines, which is available only as a guide to assist participating companies in complying with various conditional renewal statutes or regulations, for the major commercial lines of insurance serviced by ISO. The information in the Guide does not necessarily reflect all requirements or exceptions that may apply, and it is not intended as a substitute for your review of all applicable statutes and regulations concerning policyholder notification.

FUTURE ISO ACTION

We will provide a status report for this and other Basic Limits Loss Costs (BRLA1) revisions. Please refer to the Insurance Lines Services web site (www.verisk.com/ils). In addition to other information, this web site contains copies of major multistate filing status reports that are updated approximately every two weeks.

REVISION DISTRIBUTION

We will issue a Notice to Manualholders with an edition date of 4-24 (or the earliest possible subsequent date), along with any new and/or revised manual pages.

REFERENCE(S)

- [LI-CA-2023-263](#) (07/26/2023) Commercial Auto Experience Level Indications Reviewed By Staff
 - [LI-CL-2023-005](#) (02/21/2023) Commercial Lines Revised Lead Time Requirements Listing
-

ATTACHMENT(S)

- Filing [CA-2023-BRLA1](#)
 - Supplementary Information
-

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.

DATA QUALITY

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

ACKNOWLEDGEMENT OF ACTUARIAL QUALIFICATIONS

The American Academy of Actuaries' "Qualifications 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, Rebecca Gordon, am an Actuarial Associate for ISO, and I, Kevin Hughes, am an Actuarial Director for Commercial Auto 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.

ISO RISK ANALYZER®

The loss cost analysis in this circular is reflected in ISO Risk Analyzer®, a suite of predictive models that help with granular pricing of insurance risks. Risk Analyzer can provide loss costs for refined territories and classes, as well as feed custom modeling efforts. For more information, please visit <https://www.verisk.com/riskanalyzer>.

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We provide participating insurers with information concerning the jurisdictions for which our products and services are distributed. Even in those jurisdictions, each insurer must determine what filing requirements, if any, apply and whether those requirements have been satisfied.

Now, as in the past, all of our products and services are advisory, and are made available for optional use by participating insurers as a matter of individual choice. Your company must decide for itself which, if any, ISO products or services are needed or useful to its operation and how those selected for use should be applied. We urge that you be guided by the advice of your attorneys on the legal requirements.

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

COLORADO

BASIC LIMITS PROSPECTIVE LOSS COST LEVEL – COMMERCIAL AUTOMOBILE

FILING CA-2023-BRLA1

EXECUTIVE SUMMARY

PURPOSE	<p>This document:</p> <ul style="list-style-type: none">• revises the advisory prospective loss costs for the major Commercial Automobile classes. These loss costs represent a 19.7% statewide change from the loss costs currently in effect.• provides the analyses used to derive these advisory loss costs.
DEFINITION OF THE ISO ADVISORY PROSPECTIVE LOSS COSTS	<p>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. Throughout this document the words “loss cost” are synonymous with the words “prospective loss cost.”</p>
IMPACTS OF COVID-19 ON ADVISORY PROSPECTIVE LOSS COSTS	<p>There will almost certainly be long-term behavioral, social and economic changes as a result of COVID-19. So far, we observe that the pandemic resulted in decreases for Commercial Auto frequencies with some offsetting effects on severity. We are including the pandemic experience in our review without adjustment. We will continue to monitor existing reporting trends, including how new data entering the experience period of our next review reflects COVID-19 impacts. Please feel free to contact us for additional discussion, clarification or questions.</p>
FORMAT	<p>In this document, all explanatory material appears first, followed by all exhibits, and then the revised prospective loss costs. Explanatory pages are numbered B-1 through D-9, the exhibits are labeled EXHIBIT A1 through EXHIBIT D13, and the revised prospective loss cost pages are numbered E-1 through E-17.</p>
HIRED AUTOS RELATIVITY	<p>The relativity used to develop the Hired Auto Liability loss cost has been revised in this filing. Details of the analysis are in Section D.</p>
HIRED AUTOS LOSS COSTS	<p>The loss costs for hired autos physical damage have been revised in this filing. Details of the analysis are in Section D.</p>
AUTO DEALERS AND GARAGEKEEPERS	<p>The Auto Dealers and Garagekeepers Physical Damage coverages are not being reviewed this year.</p>

REVISED LOSS
COST CHANGES

The statewide advisory loss cost level changes are:

<u>Trucks, Tractors & Trailers</u>	<u>Indicated</u>	<u>Filed*</u>	<u>Adjusted**</u>
Liability			
Single Limit Liability	11.5%	11.5%	11.2%
Physical Damage			
Other than Collision	35.3%	35.3%	34.1%
Collision	57.8%	50.0%	20.6%
Total Trucks, Tractors & Trailers	20.5%	19.4%	14.8%
<u>Private Passenger Types</u>			
Liability			
Single Limit Liability	16.9%	16.9%	8.1%
Physical Damage			
Other than Collision	22.0%	22.0%	7.6%
Collision	39.0%	39.0%	32.2%
Total Private Passenger Types	22.1%	22.1%	12.9%
<u>Auto Dealers</u>			
Liability			
Single Limit Liability	29.5%	0.0%	0.0%
Total Auto Dealers	29.5%	0.0%	0.0%
<u>Hired Autos</u>			
Physical Damage			
Other Than Collision	38.3%	38.3%	38.3%
Collision	165.8%	165.8%	165.8%
Total Hired Autos	119.8%	119.8%	119.8%
<u>Grand Total</u>	20.8%	19.7%	14.6%

Loss cost level changes are relative to the current loss costs.

* Due to the simultaneous implementation of filing CA-2022-RLC1, the FILED column displays the impact for companies already using the optional class plan prior to the effective date of the CA-2022-RLC1 filing.

** The ADJUSTED changes display the impact of the filed loss costs on companies not using the optional class plan prior to the effective date of the CA-2022-RLC1 filing.

INDICATED VS.
FILED

Indicated changes are based on standard ISO methodology, utilizing a 4/1/2024 trend effective date. The filed loss cost level changes are the same as the indicated with the following exceptions: For Trucks, Tractors and Trailers Collision, 50.0% was selected to temper the large indication. For Auto Dealers Liability, 0.0% was selected to reflect the favorable state experience.

PRIOR ISO
REVISIONS

The latest selected revisions in this state are:

<u>Filing</u>	CA-2021-BRLA1	CA-2020-BRLA1	CA-2019-BRLA1
Rate Level/ Loss Costs	Loss Costs	Loss Costs	Loss Costs
<u>Dates</u>			
Effective Date	1/1/2022	1/1/2021	1/1/2020
<u>Changes</u>			
Indicated	2.8%	9.0%	9.4%
Filed	2.6%	8.8%	9.3%
Approved	2.6%	8.8%	9.3%

HISTORICAL
SOURCE DATA

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

- ISO companies reporting voluntary automobile experience under the Commercial Automobile modules of ISO's statistical plans.
- Accident year data through year ended 6/30/2022 for all coverages.

ADJUSTMENTS TO
REPORTED
EXPERIENCE

Loss Trend

To adjust the loss data to levels expected to prevail during the period when the revised loss costs will be in effect, historical losses have been multiplied by trend factors. These trend factors are based on the changes in claim cost and claim frequency that are expected to arise between the historical experience period and the prospective period during which the revised loss costs are anticipated to be in effect. Historically, frequency trends for Commercial Auto liability have been quite variable, have differed between Trucks, Tractors, and Trailers (TTT) and Private Passenger Types (PPT) liability classes, and have often displayed cyclical patterns. As a result, an exponential curve of the form $Y=A(B^X)$ does not fit the data well over the long term. To reflect these characteristics and the difficulty in predicting turning points and rates of change, frequency trend is being selected to be 0% for TTT and PPT for both the Bodily Injury and Property Damage coverages.

Claim cost trend data through second quarter 2022 and claim frequency trend data through first quarter 2022 were used in selecting the following annual liability trend factors:

<u>Coverage</u>	<u>Annual Trend Factor</u>
Trucks, Tractors, and Trailers Liability:	
Bodily Injury	+8.1%
Property Damage	+9.7%
Private Passenger Types Liability:	
Bodily Injury	+8.1%
Property Damage	+9.7%

ADJUSTMENTS TO REPORTED EXPERIENCE (CONT'D)	Trucks, Tractors & Trailers OTC	+8.0%
	Trucks, Tractors & Trailers Collision	+10.0%
	Private Passenger Types OTC	+7.5%
	Private Passenger Types Collision	+10.0%

Liability Premium Trend

To recognize the trend in the Vehicle Age factors and Original Cost New factors for Trucks, Tractors & Trailers and Private Passenger Types Liability, aggregate loss costs at current level have been multiplied by premium trend factors. The selected annual Liability premium trends are +0.2% for Trucks, Tractors & Trailers and 0.0% for Private Passenger Types.

Physical Damage Vehicle Value Factor (VVF) Trends

To recognize the trend in the vehicle value component of the rating procedure (which includes Vehicle Age and Original Cost New) for Trucks, Tractors & Trailers and Private Passenger Types Physical Damage, aggregate loss costs at current level have been multiplied by VVF trend factors. The selected annual VVF trend factors for Trucks, Tractors & Trailers are +2.0% and +2.0% for OTC and Collision respectively. For Private Passenger Types, the VVF trend factors are +1.8% and +1.0% for OTC and Collision respectively.

Standard actuarial procedures have been used in calculating the loss costs including adjusting the losses to ultimate settlement level, reflecting all loss adjustment expenses.

TEN LARGEST COMPANIES/ GROUPS IN THIS REVIEW

LIABILITY (ASLOB 19.3 & 19.4)

1. Travelers Indemnity Company
2. Employers Mutual Casualty Company
3. Liberty Mutual Insurance Company
4. Nationwide Mutual Insurance Co.
5. Tokio Marine Companies
6. Westfield Insurance Company
7. Old Republic Insurance Company
8. Selective Ins. Co. of America
9. Sentry Insurance A Mutual Company
10. Federated Mutual Insurance Company

PHYSICAL DAMAGE (ASLOB 21.2)

1. Travelers Indemnity Company
2. Employers Mutual Casualty Company
3. Liberty Mutual Insurance Company
4. Motors Insurance Corporation
5. Cincinnati Insurance Company
6. Westfield Insurance Company
7. Nationwide Mutual Insurance Co.
8. Westguard Insurance Company
9. Continental Casualty Company
10. United Fire & Casualty Company

Insurers are listed in descending order based on the percent of statewide written premium volume from Annual Statement Page 15 for the year ending 12/31/2021 for the Annual Statement Line of Business (ASLOB) indicated.

MARKET SHARE

The market share of ISO participating insurers used in this review as measured by Annual Statement Page 15 written premium for the year ending 12/31/2021 is:

Liability (ASLOB 19.3 & 19.4)
33.0%

Physical Damage (ASLOB 21.2)
31.8%

COMPANY DECISION

We encourage each insurer to decide independently whether the judgments made and the procedures or data used by ISO in developing the loss costs contained herein are appropriate for its use. We have included within this document the information upon

COMPANY
DECISION
(CONT'D)

which ISO relied in order 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 ISO selected loss costs are appropriate for its use.

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COLORADO
COMMERCIAL AUTOMOBILE
Table of Contents

	<u>Explanatory Pages</u>	<u>Corresponding Exhibits</u>
SECTION A – SCOPE OF REVISION		
Summary of Prospective Loss Cost Level Changes		Exhibit A1
Revised Prospective Loss Costs and Percentage Changes		Exhibit A2
SECTION B – CALCULATION OF CHANGES		
Overview of ISO Actuarial Procedures	B-1	
Step 1:		
Determination of Statewide Loss Cost Level Changes	B-2-4	
Trucks, Tractors & Trailers Liability Statewide Changes		Exhibit B1
Trucks, Tractors & Trailers Physical Damage Statewide Changes		Exhibit B2
Private Passenger Types Liability Statewide Changes		Exhibit B3
Private Passenger Types Physical Damage Statewide Changes		Exhibit B4
Auto Dealers Liability Statewide Changes		Exhibit B5
Step 2:		
Determination of Territory Relativities	B-5	
Trucks, Tractors & Trailers Liability Territory Development		Exhibit B6
Private Passenger Liability Territory Development		Exhibit B7
Explanatory Memorandum for Trucks, Tractors & Trailers and Private Passenger Types Liability Territory Development	B-6-7	
Auto Dealers Liability Territory Development		Exhibit B8
Explanatory Memorandum for Auto Dealers Liability	B-8-9	
Trucks, Tractors & Trailers Physical Damage Territory Development		Exhibits B9-B10
Private Passenger Types Physical Damage Territory Development		Exhibits B11-B12
Explanatory Memorandum for Trucks, Tractors & Trailers and Private Passenger Types Physical Damage Territory Development	B-10-11	
SECTION C – SUPPORTING MATERIAL		
Loss Adjustment Expense	C-1	Exhibit C1
Loss Trend	C-2-7	Exhibits C2-C5 and Exhibits C8-C11
Liability Premium Trend	C-8-9	Exhibits C6-C7
Physical Damage VVF Trend	C-10-11	Exhibits C12-C13
Loss Development for Liability	C-12-13	Exhibits C14-C16
Loss Development for Physical Damage	C-14	Exhibits C17-C18
Credibility Procedures and Tables	C-15-20	
Claims for Credibility	C-21-22	
Relativities for Developing Minor Class & Coverage Loss Costs		Exhibits C19-C20
Excess Wind and Water Procedure	C-23-28	
SECTION D – HIRED AUTO REVISION		
Hired Auto Liability Relativity Overview	D-1	
Determination of Multistate Experience Ratio for Trucks, Tractors & Trailers Liability	D-2-3	Exhibits D1-D2
Determination of the Multistate Liability Relativity For Rule 290	D-4-5	Exhibits D3-D4
Hired Auto Physical Damage Loss Cost Overview	D-6-7	
Determination of the Multistate Physical Damage Loss Costs and Deductible Discount Factors For Rule 290	D-8-9	Exhibits D5-D13
SECTION E – REVISED PROSPECTIVE LOSS COSTS		
Liability and Medical Payments	E-1-8	
Physical Damage - All Coverages Except Garages	E-9-16	
Hired Autos (Rule 290)	E-17	

OVERVIEW OF ISO ACTUARIAL PROCEDURES – COMMERCIAL AUTOMOBILE

INTRODUCTION	Commercial Automobile 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 by coverage for the major classes.
STEP 1: DETERMINATION OF STATEWIDE LOSS COST INDICATION	The first step in this process is the determination of the statewide loss cost indication by major class/coverage. In other words, what percentage changes 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 on the exhibits labeled "Determination of Statewide Advisory Loss Cost Level Change." See the calculations in Exhibits B1-B5 .
STEP 2: DISTRIBUTION TO TERRITORIES	For all of the liability coverages and for Trucks, Tractors & Trailers and Private Passenger Types Physical Damage, ISO then distributes the filed statewide basic limit loss cost change to the individual territorial loss costs by comparing the relative loss experience by territory to the statewide average. See the calculations in Exhibits B6-B12 .
STEP 3: APPLICATION OF PERCENT CHANGES	The last step is the calculation of the ISO advisory prospective loss costs. This is achieved by applying either the filed statewide or territorial changes to the current ISO loss costs. For liability, the percentage change is applied at the basic limit; for physical damage, it is applied at the base OCN, age and deductible. The resulting Loss Costs are displayed in Section E.

OVERVIEW OF ISO ACTUARIAL PROCEDURES – COMMERCIAL AUTOMOBILE

STEP 1 – DETERMINATION OF STATEWIDE ADVISORY LOSS COST LEVEL CHANGE

OBJECTIVE	<p>The objective of this procedure is to determine the indicated statewide advisory 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 are assumed to be in effect?</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, which is the aggregate amount that would have been collected if the current ISO loss costs were used during the experience period. 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 weights are determined as a function of the credibility or volume of claim experience. The average experience ratio is then credibility weighted with the expected experience ratio in order to minimize the impact of random variation in the observed losses. This credibility weighted experience ratio is the indicated statewide advisory loss cost level change in decimal form. See the calculations in Exhibits B1-B5.</p>
EXPERIENCE BASE	<p>The experience used in this review is the latest available as reported under the ISO Commercial Statistical Plan. All coverages are on an accident year basis. For liability, the review is conducted on a \$100,000 basic limits basis - indemnity losses are limited to \$100,000 per occurrence.</p>
AGGREGATE LOSS COSTS (Item 1)	<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 were used during the experience period. It is calculated by extending the exposures by the current ISO loss costs. For liability, the \$100,000 basic limit loss costs are used. For Trucks, Tractors, and Trailers and Private Passenger Types Physical Damage, loss costs are on an all deductibles combined basis.</p> <p>Trucks, Tractors & Trailers and Private Passenger Types aggregate loss costs are placed on the prospective OCN and Vehicle Age relativity level by the application of premium trend factors.</p>

INCURRED
LOSSES & LAE
(Item 2)

The incurred losses and loss adjustment expenses are our best estimate of the ultimate payment for indemnity losses and loss adjustment expenses using the claim frequency and severity levels ISO expects to occur during the prospective period for which the revised loss costs will be used.

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

- Incurred indemnity losses are capped at the basic limit;
- 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 levels by the application of trend factors.

For the physical damage coverages, the reported paid (accident year) losses are subject to the following adjustments:

- Paid Other Than Collision losses are adjusted using an Excess Wind and Water procedure;
- Developed to an ultimate settlement basis by the application of loss development factors;
- Loaded for all loss adjustment expenses;
- Placed on the prospective cost/frequency levels by the application of trend factors.

Refer to Section C for the support for these loss related adjustments.

EXPERIENCE
RATIO
(Item 3)

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.

YEAR WEIGHTS
(Item 4)

The number of years of experience used and year weights are determined by the total number of claims in the experience period. To the extent there is adequate credibility, ISO uses fewer years and gives greater weight to the most recent years. Refer to the credibility pages of Section C for the methodology used to arrive at both the number of years used and the year weights.

EXPECTED
EXPERIENCE
RATIO
(Item 7)

The expected experience ratio is our best prediction of the experience ratio if the most recent data was not available. For this review we have assumed that the current loss costs were adequate when implemented and will be inadequate for the prospective period to the extent of the net trend. It is calculated as the combined trend factor projected for the number of years between the last revision (or review) and this revision.

CREDIBILITY

Credibility is based upon the number of claims for all years in the experience period. The procedure for assigning credibility is outlined in the credibility pages of Section C.

CREDIBILITY
WEIGHTED
EXPERIENCE
RATIO

The average experience ratio is credibility weighted with the expected experience ratio. The resulting credibility weighted experience ratio, converted to a percentage, is the indicated change to the current ISO loss costs.

OVERVIEW OF ISO ACTUARIAL PROCEDURES – COMMERCIAL AUTOMOBILE

STEP 2 – DETERMINATION OF TERRITORY RELATIVITIES

OBJECTIVE	The objective of this procedure is to distribute the statewide loss cost indication by territory. In other words, what percentage changes by territory should be made in order to equitably achieve an adequate statewide prospective loss cost level?
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TRUCKS, TRACTORS & TRAILERS AND PRIVATE PASSENGER TYPES LIABILITY AND PHYSICAL DAMAGE	For Trucks, Tractors & Trailers and Private Passenger Types, this procedure compares the individual territory experience ratios to the statewide average experience ratio. The territory experience ratio is calculated for the latest 5 years and a statewide weighted-average experience ratio for the same period is calculated using the aggregate loss costs (product of earned car years (col 1) and underlying loss cost (col 2)) as weights. The territory experience ratio is then credibility weighted with the statewide average experience ratio to produce a formula experience ratio. The territory formula experience ratio is then compared to the statewide weighted average formula experience ratio to determine the territory index to state. The territory index is then multiplied by the filed loss cost level change in order to produce the indicated change to the individual territories. This change is then applied to the current territory base loss cost. See the calculations in Exhibits B6-B12 .
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AUTO DEALERS LIABILITY	Because Auto Dealers Statistics by territory lack sufficient credibility to be used meaningfully in developing revised loss costs, it is appropriate to utilize a body of statistics which can be expected to reflect the Auto Dealers hazard differences by territory. Consequently, the development of indicated Auto Dealers base loss costs is based upon a relationship to the corresponding Trucks, Tractors & Trailers \$100,000 revised base loss costs by territory. The revised Trucks, Tractors & Trailers base loss costs are compared to the revised statewide average Trucks, Tractors & Trailers base loss cost to produce the indicated territorial indices to the statewide average base loss costs for Auto Dealers. The relationship between these Trucks, Tractors & Trailers indicated territorial indices and the current Auto Dealers territorial indices yields the change in the Auto Dealers index.
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EXPLANATORY MEMORANDUM FOR TRUCKS, TRACTORS & TRAILERS AND PRIVATE
PASSENGER TYPES LIABILITY TERRITORY DEVELOPMENT

COLUMN (1) EARNED CAR YEARS	Number of car-years, or exposures, earned in the latest year. These exposures are used to calculate the weighted averages through the analysis. (For calculating the weighted average of the Experience Ratio in Col (4) and the Formula Experience Ratio in Col (6) the product of [Col(1) x Col(2)] are used as weights).
COLUMN (2) \$100,000 LOSS COST	Average \$100,000 loss cost at current level (earned aggregate loss cost at current level divided by exposures) is based on the latest accident year experience available and reflects the \$100,000 basic limit at the present ISO manual level trended to a prospective level by the application of premium trend factors.
COLUMN (3) 5 YEAR ENDED EXPERIENCE LOSS COST	Loss cost based on the latest 5 years of experience (for purposes of stability). The loss cost is Bodily Injury and Property Damage combined and is trended and developed to an ultimate settlement basis including all loss adjustment expenses.
COLUMN (4) EXPERIENCE RATIO LOSS COST	For each coverage, an experience ratio by territory is derived by dividing the 5 year experience loss cost by the average \$100,000 loss cost at present ISO manual level. [Col. (3) / Col. (2)]
COLUMN (5) CREDIBILITY	The experience ratio thus calculated is assigned a credibility value on the basis of the number of claims underlying the 5 year pure premium (See Section C for credibility standards). The complement of the credibility is assigned to the statewide experience ratio which appears in Col. (4).
COLUMN (6) FORMULA EXPERIENCE RATIO	<p>The formula experience ratio is a credibility weighted average of the territory group experience ratio and statewide experience ratio. The formula is as follows:</p> $\frac{[\text{Terr. Group Col. (4)} \times \text{Terr. Group Col. (5)}] + [\text{SW Total Col. (4)} \times (1.0 - \text{Terr. Group Col. (5)})]}{[\text{Terr. Group Col. (4)} + \text{SW Total Col. (4)}]}$

COLUMN (7)
INDEX TO
STATE

Territory indices to state are calculated by dividing the territory formula experience ratio by the statewide average formula experience ratio

[Terr. Col (6) / SW Total Col. (6)]

(Statewide Total Col. (6) is the weighted average formula experience ratio using the individual products of [Col. (1) x Col. (2)] as weights.)

COLUMN (8)
BASE CLASS
LOSS COST

Present ISO \$100,000 base class loss cost.

COLUMN (9)
INDICATED BASE
LOSS COST

Indicated base class loss cost for a particular territory. It is calculated by applying the product of the statewide loss cost level change and the territory index [Col. (7)] to the present ISO loss cost.

COLUMN (10)
REVISED BASE
LOSS COST

Revised \$100,000 base loss cost.

COLUMN (11)
ADVISORY
LOSS COST
CHANGE

Percentage change from the present \$100,000 base loss cost to the revised \$100,000 base loss cost.

EXPLANATORY MEMORANDUM FOR AUTO DEALERS LIABILITY

COLUMN (1) EARNED CAR YEARS	Number of car-years, or exposures (Trucks, Tractors and Trailers), earned in the latest year. These exposures are used to calculate the weighted averages for column (3) and column (4).
COLUMN (2) AUTO DEALERS AGGREGATE LOSS COST AT CURRENT LEVEL	The Auto Dealers aggregate loss cost at current level. This column is used to calculate the weighted average for column (7).
COLUMN (3) REVISED TRUCKS, TRACTORS & TRAILERS \$100,000 LOSS COST	These are the revised Trucks, Tractors & Trailers \$100,000 base loss costs.
COLUMN (4) AUTO DEALERS PRESENT \$100,000 LOSS COST	Current Auto Dealers \$100,000 base loss cost.
COLUMN (5) & (6) RATIOS TO STATEWIDE AVERAGE	Are derived by dividing each base loss cost by the statewide average loss cost for Trucks, Tractors & Trailers and Auto Dealers, respectively.
COLUMN (7) TERRITORY RELATIVITY	Is derived by dividing the Trucks, Tractors & Trailers indices (column (5)) by the Auto Dealers indices (column (6)).
COLUMN (8) ADJUSTED TERRITORY RELATIVITY	Is derived by multiplying the territory relativity (column (7)) by the adjustment, which is one divided by the statewide average territory relativity (SW column (7)). This yields the required change in the Auto Dealers index in column (7).
COLUMN (9) INDICATED BASE LOSS COST	Indicated base loss cost for a particular territory. It is calculated by applying the product of the adjusted territory relativity (column (8)) and the statewide Auto Dealers loss cost level indication to the present Auto Dealers base loss cost.

COLUMN (10)
REVISED
BASE LOSS COST

Revised \$100,000 base loss cost.

COLUMN (11)
LOSS COST
CHANGE

Percentage change from the present \$100,000 base loss cost to the revised
\$100,000 base loss cost.

EXPLANATORY MEMORANDUM FOR TRUCKS, TRACTORS & TRAILERS AND
PRIVATE PASSENGER TYPES
PHYSICAL DAMAGE TERRITORY DEVELOPMENT

COLUMN (1) EARNED CAR YEARS	Number of car-years, or exposures, earned in the latest year. These exposures are used to calculate the weighted averages through the analysis. (For calculating the weighted average of the Experience Ratio in Col (4) and the Formula Experience Ratio in Col (6) the product of [Col(1) x Col(2)] are used as weights).
COLUMN (2) UNDERLYING LOSS COST	Average loss cost at current level (earned aggregate loss cost at current level divided by exposures) is based on the latest accident year experience available and reflects the present ISO manual loss cost trended to a prospective level by the application of VVF trend factors.
COLUMN (3) 5 YEAR ENDED EXPERIENCE LOSS COST	Loss cost based on the latest 5 years of experience (for purposes of stability). The loss cost is trended and include all loss adjustment expenses.
COLUMN (4) EXPERIENCE RATIO LOSS COST	For each coverage, an experience ratio by territory is derived by dividing the 5 year experience loss cost by the average loss cost at present ISO manual level. [Col. (3) / Col. (2)]
COLUMN (5) CREDIBILITY	The experience ratio thus calculated is assigned a credibility value on the basis of the number of claims underlying the 5 year pure premium (See Section C for credibility standards). The complement of the credibility is assigned to the statewide experience ratio which appears in Col. (4).
COLUMN (6) FORMULA EXPERIENCE RATIO	<p>The formula experience ratio is a credibility weighted average of the territory group experience ratio and statewide experience ratio. The formula is as follows:</p> $[\text{Terr. Group Col. (4)} \times \text{Terr. Group Col. (5)}] \\ + [\text{SW Total Col. (4)} \times (1.0 - \text{Terr. Group Col. (5)})]$

COLUMN (7)
INDEX TO
STATE

Territory indices to state are calculated by dividing the territory formula experience ratio by the statewide average formula experience ratio

$$[\text{Terr. Col (6)} / \text{SW Total Col. (6)}]$$

(Statewide Total Col. (6) is the weighted average formula experience ratio using the individual products of [Col. (1) x Col. (2)] as weights.)

COLUMN (8)
BASE CLASS
LOSS COST

Present ISO base class loss cost.

COLUMN (9)
INDICATED BASE
LOSS COST

Indicated base class loss cost for a particular territory. It is calculated by applying the product of the statewide loss cost level change and the territory index [Col. (7)] to the present ISO loss cost.

COLUMN (10)
REVISED BASE
LOSS COST

Revised base loss cost.

COLUMN (11)
ADVISORY
LOSS COST
CHANGE

Percentage change:
[Col. (10) / Col. (8)]

LOSS ADJUSTMENT EXPENSE FACTORS

OBJECTIVE	The reported indemnity losses must be loaded for any loss adjustment expenses (LAE) that are not reported in statistical detail to ISO. See the calculations in Exhibit C1 .
LIABILITY COVERAGES	For the liability coverages, allocated loss adjustment expenses are reported in detail to ISO under the Commercial Statistical Plan. Unallocated loss adjustment expenses must be loaded into the losses. A factor representing the ratio of the sum of the incurred indemnity losses plus all LAE to the sum of the incurred indemnity losses plus allocated LAE was selected based on multistate financial data from a Special Call Submission for available writers.
PHYSICAL DAMAGE COVERAGES	For the physical damage coverages, accident year paid indemnity losses are reported. All loss adjustment expenses must be loaded into the reported losses. A factor representing the ratio of incurred losses plus all LAE to incurred losses was selected based on multistate financial data from the Insurance Expense Exhibits for agency and direct writers.

AVERAGE ANNUAL CHANGE IN LOSSES (LOSS TREND)

OBJECTIVE	The application of the average annual change in losses to historical data recognizes that advisory loss costs are being made for use in a future period based on historical experience. Due to economic and social factors, claim cost and frequency levels continue to change from those underlying the historical data.
DETERMINATION OF HISTORICAL AVERAGE CLAIM COST TREND	To determine the historical average claim cost trend, ISO makes use of the Least Squares Method fitted to the reported time series data; specifically, an exponential curve represented by the equation $Y=A(B^X)$ is fitted to the paid claim cost data. The parameters A and B are calculated by regressing Y, which is the applicable claim cost on X, which is the unit of time. The resulting fitted curve allows the determination of a historical average trend for the data under review. See the calculations in Exhibits C2-C3 .
LIABILITY LOSS TREND	The historical average annual change in claim costs for both Bodily Injury and Property Damage coverages are measured in this document using a credibility-weighted mix of multistate and statewide data. Prospective average annual changes for claim frequency have been selected based on the historical multistate data, as well as other relevant factors. Combining the state credibility-weighted claim cost trends with the selected claim frequency trends results in the selected Bodily Injury and Property Damage pure premium trend used to adjust the losses to a prospective level.
TREND CREDIBILITY FOR LIABILITY CLAIM SEVERITY	<p>Trend credibility is based on a full credibility standard of 975,000 claims for BI and 390,000 claims for PD. These standards were developed using a Bayesian analysis. Partial credibility is determined by the following formula:</p> $A = C/(C+K)$ <p>where C equals the number of claims for the latest year ended point and K equals 25,000 for bodily injury and 10,000 for property damage. The resulting table of partial credibilities is shown in this section.</p>

LIABILITY:
FREQUENCY
TREND

The data underlying the claim frequency trend selections is shown on the attached claim frequency exhibits. See the calculations in **Exhibits C4-C5**. The exhibits include quarterly points for Multistate incurred frequency trend separately for Trucks, Tractors, and Trailers and Private Passenger Types. As can be seen from these exhibits (and corresponding graphs), frequency for both bodily injury and property damage has generally changed from year to year in an unpredictable manner.

Historically, frequency trends for Commercial Auto liability have been quite variable, have differed between Trucks, Tractors, and Trailers (TTT) and Private Passenger Types (PPT) liability classes, and have often displayed cyclical patterns. As a result, an exponential curve of the form $Y=A(B^X)$ does not fit the data well over the long term. To reflect these characteristics and the difficulty in predicting turning points and rates of change, frequency trend is being selected to be 0% for TTT and PPT for both the Bodily Injury and Property Damage coverages.

PHYSICAL
DAMAGE:
LOSS TREND

Data Selections

- In our Physical Damage Trend review, we try to include as much data as possible for each deductible level that we analyze. With this goal in mind, for a given deductible level, we include all losses written at or below that deductible level. For example, consider an event causing \$1,500 of damage on a policy written with a \$250 deductible. This would be reported as a \$1,250 loss. In order to include as much data as possible in our review, we would generate 3 different records for this loss, one at each deductible that we analyze:

At \$250 deductible: \$1,250 loss

At \$500 deductible: \$1,000 loss

At \$1,000 deductible: \$500 loss

Each of these deductible levels is analyzed independently of the other levels, so that there are no instances of double-counting loss records.

- Wind and Water losses are removed from our Other Than Collision trend reviews due to the high variability of these types of losses from year to year.
- Theft losses have been removed from our Other Than Collision trend reviews due to a large increase in small-value theft claims which have caused an inappropriate distortion in severity trend.

Data Adjustments

In our Physical Damage trend review, we employ two adjustments to the data with the objective of diminishing distortions in the trend that we do not wish to measure. Our goal is to only measure inflationary effects.

PHYSICAL
DAMAGE:
LOSS TREND
(CONT'D)

1) All losses are divided by the appropriate classification factors that correspond to that record in order to diminish the effect that variations in these factors from one year to the next have on the trend calculation. For example, if a shift in the distribution of vehicle weights occurred, we would want to remove the corresponding shift in loss severity from our estimate of severity trend. Due to the introduction of Vehicle Value Factor Trend on the premium side, we are no longer dividing losses by an Age Factor in our loss trend analysis.

2) All Other Than Collision losses are adjusted to correct for the distortion on trend results created by a change in the distribution of types of loss from one year to the next. The Other Than Collision severity is a weighted-average of the severities for each type of loss (glass, fire, theft, etc.). Since each type of loss has a different severity (for example, glass losses have a much smaller severity than other types of loss), then variations in the distribution of types of loss may lead to changes in the severity that we do not want to measure (if one year 5% of losses are glass losses, and the next year 30% of losses are glass losses, we would expect the average severity of all Other Than Collision losses to decrease). To correct this, we calculate the proportion of losses for each type of loss averaged over all years in the experience period.

Consider the following example, where an adjustment is NOT made to the data. Assume 10% annual inflation for all losses:

	Year 1		Year 2	
Type of Loss	Glass	Fire	Glass	Fire
Claims	10	3	15	5
Severity of Each Loss	\$50	\$1,000	\$55	\$1,100
Total Losses	\$500	\$3,000	\$825	\$5,500

Average severity of losses in Year 1 is $(\$500 + \$3,000) / 13 \text{ claims} = \269

Average severity of losses in Year 2 is $(\$825 + \$5,500) / 20 \text{ claims} = \316.25

Average Severity trend = $(\$316.25 / \$269) - 1 = 17.6\%$

Now consider the same scenario, where an adjustment IS made to the data:

	Year 1		Year 2	
Type of Loss	Glass	Fire	Glass	Fire
Claims	10	3	15	5
Percentage of Total Claims	10/13 = 77%	3/13 = 23%	15/20 = 75%	5/20 = 25%

Average Percentage of Claims for Glass losses: $(77\% + 75\%) / 2 = 76\%$

Average Percentage of Claims for Fire losses: $(23\% + 25\%) / 2 = 24\%$

PHYSICAL
DAMAGE:
LOSS TREND
(CONT'D)

The number of claims for each type of loss for each year is replaced by these averages:

	Year 1		Year 2	
Type of Loss	Glass	Fire	Glass	Fire
	76% x 13 =	24 % x 13 =	76% x 20 =	24% x 20 =
Claims	9.88	3.12	15.2	4.8
Severity of Each Loss	\$50	\$1,000	\$55	\$1,100
Total Losses	\$494	\$3,120	\$836	\$5,280

Average severity of losses in Year 1 is $(\$494 + \$3,120) / 13 \text{ claims} = \278

Average severity of losses in Year 2 is $(\$836 + \$5,280) / 20 \text{ claims} = \305.80

Average Severity trend = $(\$305.80 / \$278) - 1 = 10.0\%$

Note that the total number of claims each year remains unchanged from the total before the adjustment is made.

Year 1 claims = $9.88 + 3.12 = 13 \text{ claims}$

Year 2 claims = $15.2 + 4.8 = 20 \text{ claims}$

Although new claims totals by type of loss are used in the calculation, the impact of the adjustment is to change only the loss totals, so frequency figures are not changed. The result is equivalent to a re-weighting of the severities so that each type of loss has a consistent weight from year to year.

By keeping each type of loss' proportion of total claims constant from year to year, we remove distortions in the trend caused by changes in the distribution of types of loss.

PHYSICAL
DAMAGE:
LOSS TREND
(CONT'D)

For the OTC coverages, there is a change to how glass losses are handled when shifting from one deductible to another. ISO collects a coverage code indicating if the deductible is waived for glass losses or not ("full glass" and "non-full glass", respectively). However some insurers waive deductibles on glass losses even when the policy isn't a "full glass" coverage policy. Recently we began to also collect a Type of Loss code indicating if a deductible has been waived for the particular claim. In situations where a claim is reported with a coverage code and Type of Loss code that aren't consistent on how a glass loss was handled, we previously used the coverage code to determine how we interpreted the loss amount. Now this scenario is handled based on the information in the new Type of Loss code.

The trend selections for physical damage are based on the data in the attached exhibits. See the calculations in **Exhibits C8-C11**. Each exhibit includes the distribution of losses, by deductible, for the most recent year. We analyze frequency trend and severity trend separately, using data at the \$500, \$1,000, and \$2,000 deductibles for OTC, and at the \$500, \$1,000, and \$2,000 deductibles for Collision.

Historically, claim frequency (like liability claim frequency) had been variable from year to year, often cyclical. As a result, an exponential curve of the form $Y=A(B^x)$ did not fit the frequency data well. In the interest of long-term stability, we have selected 0.0% trend factors for frequency.

Based on this multistate experience and on the continued positive trends in the Consumer Price Index for Bodywork, ISO has selected the following annual trends:

	Trucks, Tractors & Trailers	Private Passenger Types
	<u>Pure Premium</u>	<u>Pure Premium</u>
OTC:	+8.0%	+7.5%
COLL:	+10.0%	+10.0%

COMMERCIAL AUTOMOBILE PHYSICAL DAMAGE
SUPPLEMENTARY EXHIBIT

Quarterly Values <u>Ending</u>	Consumer Price Index for Bodywork	
	<u>Actual</u>	<u>Exponential Fit</u>
09/30/2019	3.158	3.049
12/31/2019	3.189	3.109
03/31/2020	3.194	3.170
06/30/2020	3.248	3.232
09/30/2020	3.263	3.295
12/31/2020	3.283	3.360
03/31/2021	3.315	3.425
06/30/2021	3.384	3.492
09/30/2021	3.458	3.561
12/31/2021	3.561	3.630
03/31/2022	3.703	3.702
06/30/2022	3.848	3.774
09/30/2022	3.903	3.848
12/31/2022	3.984	3.923
03/31/2023	4.050	4.000
06/30/2023	4.122	4.078
		Average
		Annual
	<u>R-Squared</u>	<u>Change</u>
16 Point Fit	0.9484	8.1%
12 Point Fit	0.9794	10.0%

LIABILITY PREMIUM TREND

OBJECTIVE

For Trucks, Tractors & Trailers and Private Passenger Types Liability, as new, higher-valued commercial automobiles are introduced and existing vehicles are taken out of service, there is a change in revenue due to the Liability Vehicle Age Factor and the Liability OCN Factor, which represent differences in expected Liability loss experience associated with Vehicle Age and Original Cost New. In order to reflect the revenue impact of such changes during the prospective period, ISO uses a premium trend procedure.

DATA LIMITATIONS UNIQUE TO PREMIUM TREND

We began collecting Vehicle Age and OCN for the Liability coverage in 2016 and the new fields became mandatory in 2019. However, the reporting on Liability records is still insufficient to support a premium trend analysis. Instead, since the new variables have always been part of our physical damage rating plan, we opted to perform our analysis using Collision data. The Collision exposures were rated as if they were Liability exposures. Approximately 80% of vehicles are provided Collision coverage. Nevertheless, we expect that some selection bias is present in the results, and we plan to switch to using Liability exposures for this analysis as soon as that is reasonably possible.

There are more serious data limitations than the selection bias that might be present due to using Collision exposures.

The Vehicle Age values we collect include coding for individual vehicle ages out to the 26th preceding model year, with a final category for the 27th preceding model year and all older vehicles. However the prior version of the ISO rating manual only provided rating factors for vehicle ages out to the tenth preceding model year, terminating with a factor for the 11th preceding model year and older. This final category from the old plan represented approximately 20% of vehicles historically and was reported statistically using an age code of "X".

Although ISO began collecting vehicle age data in fuller detail at the same time as Liability reporting was first introduced, there were similar delays for that change. Consequently, there's a relevant volume of statistically reported data in recent years that still contains exposures coded with the retired age code of "X".

The estimated percentage of total Collision reporting volume represented by companies that are fully reporting vehicle age detail in each year is as follows:

<u>Earned Year Ending</u>	<u>Trucks, Tractors and Trailers</u>	<u>Private Passenger Types</u>
6/30/2018	0.6%	0.8%
6/30/2019	0.8%	4.2%
6/30/2020	1.4%	4.6%
6/30/2021	25.5%	18.5%
6/30/2022	52.6%	39.0%

DATA
LIMITATIONS
UNIQUE TO
PREMIUM TREND,
CONTINUED

For most purposes, a representative average vehicle age value can be assigned to these exposures, allowing the data to be used in our analysis. However, ISO is aware that in the case of premium trend specifically, the indication is not only particularly sensitive to this selection, but also it is also not enough even to choose a correct representative average overall, because here we are focused on the change in the Liability Age Factor over time, even as individual insurers, each of whose book of business has a unique mix, are in the process of switching from reporting Age X to reporting vehicle age in full detail.

As a consequence of these considerations, ISO's actuarial staff made the decision to review premium trend using two cuts of data, and make a judgmental selection based on consideration of both results.

In the first cut of data, we display results using only the most recent three and a half years ending 6/30/2022 for Private Passenger Types, and the two and a half most recent years for Trucks, Tractors and Trailers, and to include in both only companies that reported vehicle age codes in full detail during that timeframe. This first cut has a far smaller volume that is typically used for this analysis, and we do not deem the indications to be fully credible. We observe that the significantly greater volume of usable reporting in the most recent year means that we will have available a much more credible version of this review when we next perform an experience review in one year's time.

The second cut of data includes a much greater volume of data over a full five years, but excludes all vehicles older than the 10th preceding model year. This second cut is much more stable than the first, but likely expresses a significant bias that we are not able to quantify.

DESCRIPTION
OF DATA

Subject to the unique limitations described immediately above, two measures of the average Liability Rating Factors are displayed on the following exhibits. See the calculations in **Exhibits C6-C7**. The data is displayed by coverage. To determine the historical average trend for Factors, ISO makes use of the Least Squares Method to fit a curve to the reported time series data. Specifically, an exponential curve represented by the equation

$$Y = A(B^X)$$

is fitted to the average vehicle value factors. Based on the results of these curves, and mindful of the data limitations discussed above, ISO has selected annual Liability premium trends of 0.2% and 0.0% for Trucks, Tractors & Trailers and Private Passenger Types respectively.

PHYSICAL DAMAGE VVF TREND

OBJECTIVE

In Physical Damage for Trucks, Tractors & Trailers and Private Passenger Types, as new, higher-valued commercial automobiles are introduced and existing vehicles depreciate, there is a change in revenue due to the vehicle value factor component of the rating procedure, which incorporates the effects of Original Cost New and Vehicle Age. In order to reflect the revenue impact of such changes during the prospective period, ISO uses a VVF trend procedure.

DATA LIMITATIONS UNIQUE TO PREMIUM TREND

The Vehicle Value Factors we are concerned with in this analysis include factors for individual vehicle ages out to the 26th preceding model year, with a final category for the 27th preceding model year and all older vehicles. The prior version of the ISO rating manual only provided rating factors for vehicle ages out to the tenth preceding model year, terminating with a factor for the 11th preceding model year and older. This final category from the old plan represented approximately 20% of vehicles historically and was reported statistically using an age code of "X".

Although ISO began collecting vehicle age data in fuller detail beginning in 2016, the changes did not become mandatory for insurers until mid-2019, and many insurers were not able to meet even this deadline. Consequently, there's a relevant volume of statistically reported data in recent years that still contains exposures coded with the retired age code of "X".

The estimated percentage of total reporting volume represented by companies that are fully reporting vehicle age detail in each year is as follows:

<u>Earned Year Ending</u>	<u>Trucks, Tractors and Trailers</u>	<u>Private Passenger Types</u>
6/30/2018	0.5%	0.6%
6/30/2019	0.8%	4.3%
6/30/2020	1.3%	4.6%
6/30/2021	23.8%	18.5%
6/30/2022	51.7%	39.7%

For most purposes, a representative average vehicle age value can be assigned to these exposures, allowing the data to be used in our analysis. However, ISO is aware that in the case of premium trend specifically, the indication is not only particularly sensitive to this selection, but also it is also not enough even to choose a correct representative average overall, because here we are focused on the change in the VVF over time, even as individual insurers, each of whose book of business has a unique mix, are in the process of switching from reporting Age X to reporting vehicle age in full detail.

As a consequence of these considerations, ISO's actuarial staff made the decision to review premium trend using two cuts of data, and make a judgmental selection based on consideration of both results.

DATA
LIMITATIONS
UNIQUE TO
PREMIUM TREND,
CONTINUED

In the first cut of data, we display results using only the most recent three and a half years ending 6/30/2022 for Private Passenger Types, and the two and a half most recent years for Trucks, Tractors and Trailers, and to include in both only companies that reported vehicle age codes in full detail during that timeframe. This first cut has a far smaller volume that is typically used for this analysis, and we do not deem the indications to be fully credible. We observe that the significantly greater volume of usable reporting in the most recent year means that we will have available a much more credible version of this review when we next perform an experience review in one year's time.

The second cut of data includes a much greater volume of data over a full five years, but excludes all vehicles older than the 10th preceding model year. This second cut is much more stable than the first, but likely expresses a significant bias that we are not able to quantify.

DESCRIPTION
OF DATA

Subject to the unique limitations described immediately above, two measures of the average vehicle value factors (VVF) for Comprehensive and Collision are displayed on the following exhibits. See the calculations in **Exhibits C12-C13**. The data is displayed by coverage. To determine the historical average trend for VVF, ISO makes use of the Least Squares Method to fit a curve to the reported time series data. Specifically, an exponential curve represented by the equation

$$Y = A(B^X)$$

is fitted to the average vehicle value factors. Based on the results of these curves, and mindful of the data limitations discussed above, ISO has selected annual VVF trends of 2.0% and 2.0% for Trucks, Tractors & Trailers OTC and Collision coverages respectively. For Private Passenger Types, VVF trends of 1.8% and 1.0% were selected for the OTC and Collision coverages respectively.

LOSS DEVELOPMENT FOR LIABILITY

OBJECTIVE	The application of loss development recognizes the important concept that some of the losses for a particular accident year have not been finally determined at the time the experience is compiled.
DESCRIPTION OF EXPERIENCE PERIOD DATA	For Trucks, Tractors & Trailers, Private Passenger Types and Auto Dealers Liability, the incurred losses and allocated loss adjustment expenses underlying the statewide loss cost level indications are on an accident year basis and were evaluated as of September 30, 2022. In other words, accident year ended June 30, 2022 includes all losses and allocated loss adjustment expenses paid through September 30, 2022 on accidents occurring from July 1, 2021 to June 30, 2022 and all losses and allocated loss adjustment expenses outstanding on these accidents as of September 30, 2022, 15 months after the inception of the accident year. Similarly, the incurred losses and allocated loss adjustment expenses for accident year ended June 30, 2021 include all loss and loss adjustment expenses paid through September 30, 2022 on accidents occurring from July 1, 2020 to June 30, 2021 and all losses and allocated loss adjustment expenses outstanding on these accidents as of September 30, 2022, 27 months after the inception of the accident year. The immature experience reported as of 15 or as of 27 months must be adjusted to a mature or ultimate settlement basis through the use of a loss development factor. See the calculations in Exhibits C14-C16 .
DESCRIPTION OF LOSS DEVELOPMENT METHODOLOGY	<p>For Bodily Injury Coverage, states are divided into two multistate groups. One group (No-Fault) consists of states with a no-fault law that has a tort threshold. The other group (Tort) contains the remaining states. The applicable multistate group for this state is used in this document. Losses are developed up to 123 months and are based on \$100,000 CSL data. Three-year averages for Trucks, Tractors & Trailers, Private Passenger Types and Auto Dealers are calculated for each link ratio based on a "best three of five" approach. Specifically, for the latest five years, the highest and lowest ratios were removed from the calculation and the three year average was calculated using the three remaining factors. Beyond 123 months the loss development is assumed to be unity.</p> <p>For Property Damage Coverage, one multistate group is used. Losses are developed up to 111 months and \$100,000 CSL data is used. Three-year averages for Trucks, Tractors & Trailers, Private Passenger Types and Auto Dealers are calculated for each link ratio based on a "best three of five" years approach. Specifically, for the latest five years, the highest and lowest ratios were removed from the calculation and the three year average was calculated using the three remaining factors. Development beyond 111 months is assumed to be unity.</p>

STATE
CREDIBILITY
WEIGHTED
FACTORS

For Trucks, Tractors & Trailers and Private Passenger Types, statewide loss development factors are credibility weighted with multistate factors. A Bayesian credibility study was done on state 15 to 27 months and 27 to 39 months loss development factors. The study concluded that there is significant statewide variation for bodily injury through 39 months and for property damage through 27 months. For these link ratios, statewide credibility is determined by the formula $Z = L/(L+K)$, where Z is the credibility, and L is the 3-year total losses for the particular state (at the earliest of the two evaluations). The complement of credibility is assigned to multistate loss development factors. K is a constant that varies by coverage as follows:

Trucks, Tractors & Trailers

	<u>15 to 27</u>	<u>27 to 39</u>
Bodily Injury (tort)	\$ 2,500,000	\$ 11,000,000
Bodily Injury (no-fault)	900,000	3,000,000
Property Damage	1,500,000	-

Private Passenger Types

	<u>15 to 27</u>	<u>27 to 39</u>
Bodily Injury (tort)	\$ 1,500,000	\$ 4,000,000
Bodily Injury (no-fault)	700,000	1,700,000
Property Damage	600,000	-

TRUCKS,
TRACTORS &
TRAILERS AND
PRIVATE
PASSENGER
TYPES

For Trucks, Tractors & Trailers and Private Passenger Types, Bodily Injury loss development factors to ultimate are calculated by accumulating the statewide credibility-weighted 15 to 27 month factor and 27 to 39 month factor, and the multistate average 39 to ultimate factor.

For the property damage coverage, loss development factors to ultimate are calculated by accumulating the statewide credibility-weighted 15-27 month factor and the multistate average 27 to ultimate factor.

AUTO DEALERS

For the Auto Dealers Bodily Injury coverage, development is based upon \$100,000 CSL multistate tort or no-fault data. For the Auto Dealers Property Damage coverage, basic limits multistate experience is used.

LOSS DEVELOPMENT FOR PHYSICAL DAMAGE

OBJECTIVE	The application of loss development recognizes the important concept that some of the losses for a particular accident year have not been finally determined at the time the experience is compiled.
DESCRIPTION OF EXPERIENCE PERIOD DATA	For Physical Damage, paid losses underlying the statewide loss cost level indications are on an accident year basis and were evaluated as of September 30, 2022. In other words, accident year ended June 30, 2022 includes all losses paid through September 30, 2022 on accidents occurring from July 1, 2021 to June 30, 2022. Similarly, the paid losses for accident year ended June 30, 2021 include all losses paid through September 30, 2022 on accidents occurring from July 1, 2020 to June 30, 2021. The immature paid loss experience reported as of 15 or as of 27 months must be adjusted to a mature or ultimate settlement basis through the use of a loss development factor. See the calculations in Exhibits C17-C18 .
DESCRIPTION OF LOSS DEVELOPMENT METHODOLOGY	For Collision and Other Than Collision coverages, one multistate group is used. Losses are developed to an ultimate settlement basis. Three-year averages are calculated for each age-to-age link ratio. These link ratios are accumulated to develop losses to 123 months. Development beyond 123 months is assumed to be 1.000.

CREDIBILITY PROCEDURE FOR EXPERIENCE LOSS RATIO

OBJECTIVE The extent to which the state experience is reflected in the development of the prospective loss costs is determined by the credibility of the data for that state. Specifically, ISO credibility procedures are based upon the volume of claims for each coverage separately.

METHODOLOGY The standards for full credibility were determined from a credibility study using various size of loss distributions for liability, other than collision and collision respectively. Separate standards by coverage/major class for full credibility were calculated using the Mayerson, Jones and Bowers expansion formula.

CREDIBILITY FOR EXPERIENCE LOSS RATIO The assignment of credibility to the experience loss ratio is based on the total number of claims for the years used. For liability, the claims are based on BI and PD claims combined. For physical damage, credibility is determined separately for OTC and Collision. Partial credibility (Z), as used for the experience loss ratio, is determined using the square root rule as follows:

$$Z = \sqrt{\frac{\text{Claims}}{X}}$$

Where X equals the full credibility standard, by line and coverage, as shown on the following pages of this section.

YEAR WEIGHTS The weights assigned to the loss ratio by year are based on the credibility of the average number of claims for the years of experience used. A maximum of five years of experience may be used. This procedure is described in detail in the flow chart on the following page. The claim standard used to determine the year weights is based on the credibility standard for each coverage. The schedules of the number of claims required for the year weight assignments are shown on the following pages.

COMMERCIAL AUTOMOBILE LIABILITY
FLOWCHART TO DETERMINE
YEAR WEIGHTS AND
EXPERIENCE PERIOD CREDIBILITY

Step 1: Determine Number of Years to be used and Year Weights

1. Add latest 2 years of claims and divide by 2 to determine the 2 year average.
2. If 2 year Avg. claims \geq 11,500,
Then use 2 years of experience and assign 70/30 weights.
3. Add latest 3 years of claims and divide by 3 to determine the 3 year average.
4. If 3 year Avg. claims \geq 1,380,
Then use 3 years of experience and assign 50/30/20 weights.
5. If 3 year Avg. claims $<$ 1,380,
Then use 5 years of experience and assign 30/25/20/15/10 weights.

Step 2: Determine the Experience Period Credibility

Calculate partial credibility based on the total number of claims for the number of years used in the review as determined from Step 1.

COMMERCIAL AUTOMOBILE PHYSICAL DAMAGE
FLOWCHART TO DETERMINE
YEAR WEIGHTS AND
EXPERIENCE PERIOD CREDIBILITY

Step 1: Determine Number of Years to be used and Year Weights

1. Add latest 2 years of claims and divide by 2 to determine the 2 year average.
2. If 2 year Avg. claims \geq Full Standard,
Then use 2 years of experience and assign 70/30 weights.
3. Add latest 3 years of claims and divide by 3 to determine the 3 year average.
4. If 3 year Avg. claims \geq Intermediate Threshold,
Then use 3 years of experience and assign 50/30/20 weights.
5. If 3 year Avg. claims $<$ Intermediate Threshold,
Then use 5 years of experience and assign 30/25/20/15/10 weights.

Step 2: Determine the Experience Period Credibility

Calculate partial credibility based on the total number of claims for the number of years used in the review as determined from Step 1.

<u>Coverage</u>	<u>Intermediate Threshold</u>	<u>Full Standard</u>
Trucks, Tractors & Trailers OTC	1,350	11,000
Trucks, Tractors & Trailers Collision	550	4,500
Private Passenger Types OTC	1,050	8,500
Private Passenger Types Collision	450	3,500

Tables For Use With Trend Data

Bodily Injury				Property Damage			
<u>Number of Claims</u>			<u>Cred.</u>	<u>Number of Claims</u>			<u>Cred.</u>
0	-	641	0.00	0	-	256	0.00
642	-	2027	0.05	257	-	810	0.05
2028	-	3571	0.10	811	-	1428	0.10
3572	-	5303	0.15	1429	-	2121	0.15
5304	-	7258	0.20	2122	-	2903	0.20
7259	-	9482	0.25	2904	-	3793	0.25
9483	-	12037	0.30	3794	-	4814	0.30
12038	-	14999	0.35	4815	-	5999	0.35
15000	-	18478	0.40	6000	-	7391	0.40
18479	-	22619	0.45	7392	-	9047	0.45
22620	-	27631	0.50	9048	-	11052	0.50
27632	-	33823	0.55	11053	-	13529	0.55
33824	-	41666	0.60	13530	-	16666	0.60
41667	-	51923	0.65	16667	-	20769	0.65
51924	-	65909	0.70	20770	-	26363	0.70
65910	-	86111	0.75	26364	-	34444	0.75
86112	-	117857	0.80	34445	-	47142	0.80
117858	-	174999	0.85	47143	-	69999	0.85
175000	-	308333	0.90	70000	-	123333	0.90
308334	-	974999	0.95	123334	-	389999	0.95
975000	-	and over	1.00	390000	-	and over	1.00

K = 25,000

K = 10,000

CREDIBILITY FORMULA = (# CLAIMS)/(# CLAIMS + K)

ALL LIABILITY COVERAGES
CREDIBILITY TABLE
NUMBER OF CLAIMS

<u>Credibility</u>			
0.00*	0	-	28
0.05	29	-	114
0.10	115	-	258
0.15	259	-	459
0.20	460	-	718
0.25	719	-	1,034
0.30	1035	-	1,408
0.35	1,409	-	1,839
0.40	1,840	-	2,328
0.45	2,329	-	2,874
0.50	2,875	-	3,478
0.55	3,479	-	4,139
0.60	4,140	-	4,858
0.65	4,859	-	5,634
0.70	5,635	-	6,468
0.75	6,469	-	7,359
0.80	7,360	-	8,308
0.85	8,309	-	9,314
0.90	9,315	-	10,378
0.95	10,379	-	11,499
1.00		>	11,499

The credibility for the loss cost level ratio is determined by the total number of claims for the total number of years of experience used in the review.

*The credibility underlying the calculation of the statewide indication is subject to a minimum of 5% given that there is at least one claim in the experience period.

PHYSICAL DAMAGE
CREDIBILITY TABLES
NUMBER OF CLAIMS

OTHER THAN COLLISION

<u>Cred</u>	<u>Trucks, Tractors & Trailers</u>			<u>Private Passenger Types</u>		
0.00*	0	-	27	0	-	21
0.05	28	-	109	22	-	84
0.10	110	-	247	85	-	191
0.15	248	-	439	192	-	339
0.20	440	-	687	340	-	531
0.25	688	-	989	532	-	764
0.30	990	-	1,347	765	-	1,041
0.35	1,348	-	1,759	1,042	-	1,359
0.40	1,760	-	2,227	1,360	-	1,721
0.45	2,228	-	2,749	1,722	-	2,124
0.50	2,750	-	3,327	2,125	-	2,571
0.55	3,328	-	3,959	2,572	-	3,059
0.60	3,960	-	4,647	3,060	-	3,591
0.65	4,648	-	5,389	3,592	-	4,164
0.70	5,390	-	6,187	4,165	-	4,781
0.75	6,188	-	7,039	4,782	-	5,439
0.80	7,040	-	7,947	5,440	-	6,141
0.85	7,948	-	8,909	6,142	-	6,884
0.90	8,910	-	9,927	6,885	-	7,671
0.95	9,928	-	10,999	7,672	-	8,499
1.00		>	10,999		>	8,499

COLLISION

<u>Cred</u>	<u>Trucks, Tractors & Trailers</u>			<u>Private Passenger Types</u>		
0.00*	0	-	11	0	-	8
0.05	12	-	44	9	-	34
0.10	45	-	101	35	-	78
0.15	102	-	179	79	-	139
0.20	180	-	281	140	-	218
0.25	282	-	404	219	-	314
0.30	405	-	551	315	-	428
0.35	552	-	719	429	-	559
0.40	720	-	911	560	-	708
0.45	912	-	1,124	709	-	874
0.50	1,125	-	1,361	875	-	1,058
0.55	1,362	-	1,619	1,059	-	1,259
0.60	1,620	-	1,901	1,260	-	1,478
0.65	1,902	-	2,204	1,479	-	1,714
0.70	2,205	-	2,531	1,715	-	1,968
0.75	2,532	-	2,879	1,969	-	2,239
0.80	2,880	-	3,251	2,240	-	2,528
0.85	3,252	-	3,644	2,529	-	2,834
0.90	3,645	-	4,061	2,835	-	3,158
0.95	4,062	-	4,499	3,159	-	3,499
1.00		>	4,499		>	3,499

The credibility for loss cost level ratio is determined by the total number of claims for the total number of years of experience used in the review.

*The credibility underlying the calculation of the statewide indication is subject to a minimum of 5% given that there is at least one claim in the experience period.

COLORADO
CLAIMS PER TERRITORY
LIABILITY

Territory	Trucks, Tractors & Trailers	Private Passenger Types
	Incurred Claims 5 Years Ending 6/30/2022 Combined BI and PD	Incurred Claims 5 Years Ending 6/30/2022 Combined BI and PD
103	203	45
104	1,103	112
105	1,689	330
106	1,010	179
110	1,296	166
111	1,902	388
112	3,232	500
113	1,465	196
SW Total	11,900	1,916

Claims for Trend

BI

PD

553

2,237

COLORADO
CLAIMS PER TERRITORY
PHYSICAL DAMAGE

Territory	Trucks, Tractors & Trailers Paid Claims 5 Years Ending 6/30/2022		Private Passenger Types Paid Claims 5 Years Ending 6/30/2022	
	OTC	Coll	OTC	Coll
103	239	135	79	41
104	915	612	206	148
105	1,764	1,646	561	431
106	839	576	203	213
110	988	795	295	187
111	1,042	1,012	418	471
112	1,824	1,790	602	585
113	1,090	785	383	174
SW Total	8,701	7,351	2,747	2,250

WIND AND WATER PROCEDURE
OTHER THAN COLLISION

OBJECTIVE

Other Than Collision losses which result from the perils of Wind and Water are relatively infrequent and do not affect each year similarly. While catastrophic incidents are rare, their impact on loss cost indications can be significant. The occurrence of a weather related catastrophe can result in a large positive indication, followed by an indicated decrease when the catastrophe leaves the experience period in subsequent reviews. This ultimately leads to loss cost instability.

In order to address this ratemaking problem, the Wind and Water procedure removes the Wind and Water losses that actually occur in a given year and replaces them with an expected Wind and Water provision, based on the state's long term history of Wind and Water losses. Due to the lower credibility of catastrophic loss experience, a longer experience period or a larger body of data is necessary to compensate.

DESCRIPTION OF
WIND AND WATER
ADJUSTMENT
PROCEDURE

The Wind and Water procedure begins by comparing Wind and Water losses to non-Wind and Water losses for each year in the long term review period. Wind and Water losses have been separately identified as losses reported under the Commercial Statistical Plan (CSP) using Type of Loss (TOL) codes 06 and 07. A ratio of Wind and Water to non-Wind and Water losses is calculated for each year.

The long term 'normal' Wind and Water to non-Wind and Water ratio is determined by calculating the average of the Wind and Water to non-Wind and Water ratios for all years for which data is currently available.

The variation from the long term normal Wind and Water to non-Wind and Water ratio is then determined by calculating the difference between the normal ratio and the Wind and Water ratio for each year.

The loss adjustment required in order to bring each year of experience to a normal Wind and Water level is determined by applying the variation factor (column (5)) to the reported non-Wind and Water losses (column (3)).

The major steps of the procedure are shown in the Exhibits on the following pages.

WIND AND WATER PROCEDURE
OTHER THAN COLLISION
COLORADO

TRUCKS, TRACTORS, AND TRAILERS

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
			(2) - (1)	(1) / (3)	AVG (4) - (4)	(3) x (5)	(2) + (6)
YEAR ENDING	OTC WIND & WATER LOSSES	OTC TOTAL LOSSES	TOTAL - WIND&WATER LOSSES	WIND & WATER / NON (W&W)	VARIATION FROM AVG. WIND RATIO	WIND & WATER ADJUSTMENT	ADJ OTC TOTAL LOSSES
1987	587,598	1,655,584	1,067,986	0.550	0.039	41,651	1,697,235
1988	151,499	1,134,776	983,277	0.154	0.435	427,725	1,562,501
1989	128,823	1,062,148	933,325	0.138	0.451	420,930	1,483,078
1990	242,804	1,176,112	933,308	0.260	0.329	307,058	1,483,170
1991	3,180,290	4,478,035	1,297,745	2.451	-1.862	-2,416,401	2,061,634
1992	398,261	1,413,603	1,015,342	0.392	0.197	200,022	1,613,625
1993	105,308	1,225,943	1,120,635	0.094	0.495	554,714	1,780,657
1994	500,180	1,717,074	1,216,894	0.411	0.178	216,607	1,933,681
1995	1,269,795	3,091,172	1,821,377	0.697	-0.108	-196,709	2,894,463
1996	560,093	2,488,929	1,928,836	0.290	0.299	576,722	3,065,651
1997	546,091	3,060,329	2,514,238	0.217	0.372	935,297	3,995,626
1998	963,795	3,841,447	2,877,652	0.335	0.254	730,924	4,572,371
1999	1,233,006	4,384,423	3,151,417	0.391	0.198	623,981	5,008,404
2000	360,637	3,962,619	3,601,982	0.100	0.489	1,761,369	5,723,988
2001	1,055,825	5,129,753	4,073,928	0.259	0.330	1,344,396	6,474,149
2002	462,528	3,531,128	3,068,600	0.151	0.438	1,344,047	4,875,175
2003	278,343	2,582,046	2,303,703	0.121	0.468	1,078,133	3,660,179
2004	450,343	2,035,050	1,584,707	0.284	0.305	483,336	2,518,386
2005	404,972	1,841,886	1,436,914	0.282	0.307	441,133	2,283,019
2006	103,283	1,455,793	1,352,510	0.076	0.513	693,838	2,149,631
2007	135,928	1,893,405	1,757,477	0.077	0.512	899,828	2,793,233
2008	933,488	2,771,723	1,838,235	0.508	0.081	148,897	2,920,620
2009	201,102	1,544,025	1,342,923	0.150	0.439	589,543	2,133,568
2010	2,012,415	3,664,698	1,652,283	1.218	-0.629	-1,039,286	2,625,412
2011	484,413	2,089,179	1,604,766	0.302	0.287	460,568	2,549,747
2012	1,045,631	2,816,909	1,771,278	0.590	-0.001	-1,771	2,815,138
2013	99,083	1,926,305	1,827,222	0.054	0.535	977,564	2,903,869
2014	2,714,742	4,646,430	1,931,688	1.405	-0.816	-1,576,257	3,070,173
2015	2,058,268	4,333,896	2,275,628	0.904	-0.315	-716,823	3,617,073
2016	797,658	3,604,403	2,806,745	0.284	0.305	856,057	4,460,460
2017	12,623,801	15,984,654	3,360,853	3.756	-3.167	-10,643,821	5,340,833
2018	6,193,336	9,672,250	3,478,914	1.78	-1.191	-4,143,387	5,528,863
2019	5,551,539	9,530,044	3,978,505	1.395	-0.806	-3,206,675	6,323,369
2020	2,938,980	6,987,377	4,048,397	0.726	-0.137	-554,630	6,432,747
2021	1,534,472	7,082,816	5,548,344	0.277	0.312	1,731,083	8,813,899
2022	764,601	6,930,245	6,165,644	0.124	0.465	2,867,024	9,797,269

(8) NORMAL WIND TO NON W&W RATIO= AVG. (4)

0.589

WIND AND WATER PROCEDURE
OTHER THAN COLLISION
COLORADO

PRIVATE PASSENGER TYPES

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
			(2) - (1)	(1) / (3)	AVG (4) - (4)	(3) x (5)	(2) + (6)
YEAR ENDING	OTC WIND & WATER LOSSES	OTC TOTAL LOSSES	TOTAL - WIND&WATER LOSSES	WIND & WATER / NON (W&W)	VARIATION FROM AVG. WIND RATIO	WIND & WATER ADJUSTMENT	ADJ OTC TOTAL LOSSES
1987	569,493	1,348,788	779,295	0.731	0.196	152,742	1,501,530
1988	151,459	946,549	795,090	0.190	0.737	585,981	1,532,530
1989	176,433	990,999	814,566	0.217	0.710	578,342	1,569,341
1990	150,421	928,781	778,360	0.193	0.734	571,316	1,500,097
1991	4,427,980	5,697,687	1,269,707	3.487	-2.560	-3,250,450	2,447,237
1992	346,860	1,123,369	776,509	0.447	0.480	372,724	1,496,093
1993	83,724	812,528	728,804	0.115	0.812	591,789	1,404,317
1994	282,712	1,067,104	784,392	0.360	0.567	444,750	1,511,854
1995	776,528	1,772,189	995,661	0.780	0.147	146,362	1,918,551
1996	340,055	1,336,450	996,395	0.341	0.586	583,887	1,920,337
1997	444,583	1,562,158	1,117,575	0.398	0.529	591,197	2,153,355
1998	997,989	2,352,410	1,354,421	0.737	0.190	257,340	2,609,750
1999	799,730	2,021,131	1,221,401	0.655	0.272	332,221	2,353,352
2000	158,596	1,475,135	1,316,539	0.120	0.807	1,062,447	2,537,582
2001	572,911	1,911,191	1,338,280	0.428	0.499	667,802	2,578,993
2002	314,701	1,304,768	990,067	0.318	0.609	602,951	1,907,719
2003	119,486	1,046,240	926,754	0.129	0.798	739,550	1,785,790
2004	395,492	881,427	485,935	0.814	0.113	54,911	936,338
2005	265,877	899,443	633,566	0.420	0.507	321,218	1,220,661
2006	55,207	591,496	536,289	0.103	0.824	441,902	1,033,398
2007	45,153	506,896	461,743	0.098	0.829	382,785	889,681
2008	276,661	793,405	516,744	0.535	0.392	202,564	995,969
2009	180,959	566,001	385,042	0.470	0.457	175,964	741,965
2010	983,494	1,533,396	549,902	1.788	-0.861	-473,466	1,059,930
2011	164,441	601,742	437,301	0.376	0.551	240,953	842,695
2012	903,666	1,484,592	580,926	1.556	-0.629	-365,402	1,119,190
2013	82,496	588,419	505,923	0.163	0.764	386,525	974,944
2014	1,161,678	1,680,924	519,246	2.237	-1.31	-680,212	1,000,712
2015	1,467,979	2,098,836	630,857	2.327	-1.4	-883,200	1,215,636
2016	291,058	1,018,895	727,837	0.4	0.527	383,570	1,402,465
2017	5,349,416	6,186,994	837,578	6.387	-5.46	-4,573,176	1,613,818
2018	1,846,136	2,669,812	823,676	2.241	-1.314	-1,082,310	1,587,502
2019	1,427,244	2,266,414	839,170	1.701	-0.774	-649,518	1,616,896
2020	864,281	1,490,336	626,055	1.381	-0.454	-284,229	1,206,107
2021	416,598	1,140,969	724,371	0.575	0.352	254,979	1,395,948
2022	164,065	1,339,715	1,175,650	0.14	0.787	925,237	2,264,952

(8) NORMAL WIND TO NON W&W RATIO= AVG. (4)

0.927

EXPLANATORY MEMORANDUM FOR WIND AND WATER PROCEDURE

COLUMN (1) OTC WIND AND WATER LOSSES	Dollar amount of Other Than Collision losses resulting from the perils of Wind and Water (Type of Loss Codes 06 & 07).
COLUMN (2) OTC TOTAL LOSSES	Dollar amount of Other Than Collision losses resulting from all perils.
COLUMN (3) OTC LOSSES OTHER THAN WIND AND WATER	Dollar amount of Other Than Collision losses resulting from all perils other than Wind and Water. $\text{Column (2)} - \text{Column (1)}$.
COLUMN (4) WIND AND WATER TO NON-WIND AND WATER RATIO	Ratio of Wind and Water losses to Non-Wind and Water losses. $\text{Column (1)} \div \text{Column (3)}$
COLUMN (5) VARIATION FROM AVERAGE WIND RATIO	Variation from the long term average Wind and Water to non-Wind and Water ratio. $\text{Avg (4)} - \text{Column (4)}$.
COLUMN (6) WIND AND WATER ADJUSTMENT	Wind and Water loss adjustment to bring experience to average Wind and Water level. $\text{Column (3)} * \text{Column (5)}$.
COLUMN (7) ADJUSTED OTC TOTAL LOSSES	$\text{Column (2)} + \text{Column (6)}$.

TERRITORIAL WIND AND WATER PROCEDURE OTHER THAN COLLISION

OBJECTIVE

The statewide Wind and Water procedure removes the actual Wind and Water losses that occur in a given year and replaces them with an expected Wind and Water provision. The territorial excess Wind and Water procedure distributes the statewide expected Wind and Water loss provision to the individual territories in proportion to each territory's long-term Wind and Water loss experience.

DESCRIPTION OF TERRITORIAL WIND AND WATER PROCEDURE

The first step is to calculate long term Wind and Water to non-Wind and Water ratios by territory. The earliest year of historical Wind and Water experience available for Commercial Auto is 1987. As a new year becomes available, it is added to the procedure. For each year, the territorial ratios are calculated as Wind and Water losses divided by non-Wind and Water losses. An average is then taken of all the ratios for each territory to get the long term Wind and Water to non-Wind and Water ratio.

One potential problem with the average ratios is that a high Wind and Water ratio for one year can distort the average ratio for that territory. To mitigate the effect of unusually large ratios, the ratios are capped at 10 times the statewide median of the Wind and Water ratios before calculating the average. (The statewide median ratio is subject to a minimum value of 0.05.)

The territorial capped average Wind and Water ratios are multiplied by the latest 5 years non-Wind and Water losses for each territory to get the territorial expected Wind and Water losses. The territorial expected Wind and Water losses are divided by the statewide total expected Wind and Water losses to get the territorial expected Wind and Water distribution.

The statewide wind provision is calculated for each year from the statewide procedure by subtracting the non-Wind and Water losses from the total adjusted losses. The individual territorial Wind and Water provisions are then calculated by distributing the statewide wind provision to the territories based on the expected Wind and Water distribution.

Territorial adjusted total losses = territorial Wind and Water provision + territorial non-Wind and Water losses

Because the actual Wind and Water losses are replaced with an expected Wind and Water provision, the number of Wind and Water claims must be adjusted. The territorial Wind and Water provision is divided by the territory's average Wind and Water claim cost to produce the adjusted number of Wind and Water claims. The adjusted Wind and Water claims are added to the non-Wind and Water claims, resulting in the total adjusted claims.

A sample of the territory Wind and Water procedure is shown on the following page.

METHODOLOGY FOR CALCULATING 'WIND & WATER PROVISIONS' BY TERRITORY

In order to develop 'Wind and Water Provisions' by territory, the statewide provision is distributed using each territory's 'expected' wind and water losses. This procedure is illustrated in the following example:

Territory	(1) Long-Term Capped* Ratio of Wind & Water to Non-Wind & Water Losses	(2) Non-Wind & Water Losses for Latest Five Years	(3) 'Expected' Wind & Water Losses for Latest Five Years (1) x (2)	(4) 'Expected' Wind & Water Distribution (3) / Total (3)
A	.250	500,000	125,000	.500
B	.750	100,000	75,000	.300
C	.200	250,000	50,000	.200

Territory	(5) Statewide Wind Provision for Year 20XX **	(6) Territory Wind Provision for Year 20XX (4) x (5)	(7) Non-Wind & Water Losses for Year 20XX	(8) Adjusted Total Losses for Year 20XX (6) + (7)
A	100,000	50,000	150,000	200,000
B		30,000	50,000	80,000
C		20,000	80,000	100,000

Territory	(9) Non-Wind & Water Claims for Year 20XX	(10) Five-Year Average Wind & Water Claim Cost	(11) Adjusted Wind & Water Claims for Year 20XX (6) / (10)	(12) Total Adjusted Claims for Year 20XX (9) + (11)
A	200	500	100	300
B	100	400	75	175
C	150	400	50	200

* Average of yearly capped ratios of wind & water to non-wind & water losses, based on territory experience capped at 10 times the statewide median wind & water to non-wind & water ratio. The statewide median ratio is subject to a minimum value of 0.05.

** The Statewide Wind Provision for year 20XX = Total Adjusted Losses for Year 20XX - Non-Wind & Water Losses for Year 20XX

OVERVIEW OF ISO ACTUARIAL PROCEDURES – COMMERCIAL AUTOMOBILE

DETERMINATION OF THE ADVISORY MULTISTATE LIABILITY RELATIVITY FOR RULE 290. - HIRED AUTOS

OBJECTIVE	The objective of this procedure is to determine the indicated advisory multistate liability relativity for Rule 290. - Hired Autos. This relativity is applied to the average liability loss cost for Trucks, Tractors & Trailers to calculate the liability loss cost per \$100 annual cost of hire for Rule 290. - Hired Autos.
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DESCRIPTION	Since the liability relativity to calculate the loss cost per \$100 cost of hire for the Rule 290. - Hired Auto liability coverage is applied to the average \$100,000 Combined Single Limit (CSL) loss cost for Trucks, Tractors & Trailers, the adequacy of the relationship between the two classes is measured by comparing their respective experience ratios.
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EXPERIENCE PERIOD DATA	The experience used in this review was chosen to remove the impact of the COVID-19 Pandemic. The review is being conducted on a multistate basis and the data is aggregated on an accident year basis. The review is conducted on a \$100,000 CSL basic limits basis - indemnity losses are limited to \$100,000 per occurrence.
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The incurred losses and allocated loss adjustment expenses underlying the multistate ratios are on an accident year basis and were evaluated as of March 31, 2020. In other words, accident year ended December 31, 2019 includes all losses and allocated loss adjustment expenses paid through March 31, 2020 on accidents occurring from January 1, 2019 to December 31, 2019 and all losses and allocated loss adjustment expenses outstanding on these accidents as of March 31, 2020, 15 months after the inception of the accident year. Similarly, the incurred losses and allocated loss adjustment expenses for accident year ended December 31, 2018 include all loss and loss adjustment expenses paid through March 31, 2020 on accidents occurring from January 1, 2018 to December 31, 2018 and all losses and allocated loss adjustment expenses outstanding on these accidents as of March 31, 2020, 27 months after the inception of the accident year.

OVERVIEW OF ISO ACTUARIAL PROCEDURES – COMMERCIAL AUTOMOBILE

STEP 1 - DETERMINATION OF MULTISTATE EXPERIENCE RATIO FOR TRUCKS, TRACTORS & TRAILERS

OBJECTIVE	<p>The objective is to determine the multistate experience ratio for Trucks, Tractors & Trailers. This ratio will be used later to determine the indicated multistate advisory liability relativity for Rule 290. - Hired Autos. See the calculations in Exhibits D1-D2.</p>
DESCRIPTION	<p>This procedure compares the developed incurred losses and allocated loss adjustment expenses with the aggregate loss costs.</p>
AGGREGATE LOSS COSTS (Item 1)	<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 were used during the experience period. It is calculated by extending the exposures by the current ISO loss costs.</p>
INCURRED LOSSES & LAE (Item 2)	<p>The incurred losses and loss adjustment expenses are our best estimate of the ultimate payment for indemnity losses and loss adjustment expenses incurred during the experience period.</p> <p>The reported incurred losses and allocated loss adjustment expenses are subject to the following adjustments:</p> <ul style="list-style-type: none">• Incurred indemnity losses are capped at the basic limit;• Developed to an ultimate settlement basis by the application of loss development factors; <p>Incurred losses and loss adjustment expenses are not trended. Trend factors for Hired Autos liability coverage would generally be assumed to be the same as those for Trucks, Tractors & Trailers. Therefore, they fail to impact the result of the analysis.</p> <p>Refer to Part 2 of this Section for the support for these loss related adjustments.</p>
EXPERIENCE RATIO (Item 3)	<p>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 experience period.</p>

INCURRED
CLAIMS
(Item 4)

These are the incurred claims associated with the incurred losses used for the review. The claims are also on an accident year basis and have been evaluated as of March 31, 2020. In other words, accident year ended December 31, 2019 includes all claims paid through March 31, 2020 on accidents occurring from January 1, 2019 to December 31, 2019 and all claims outstanding on these accidents as of March 31, 2020, 15 months after the inception of the accident year.

OVERVIEW OF ISO ACTUARIAL PROCEDURES – COMMERCIAL AUTOMOBILE

STEP 2 - DETERMINATION OF THE INDICATED ADVISORY MULTISTATE LIABILITY RELATIVITY FOR RULE 290. - HIRED AUTOS

OBJECTIVE	The objective is to determine the indicated advisory multistate liability relativity for Rule 290. - Hired Autos. See the calculations in Exhibits D3-D4 .
DESCRIPTION	This procedure develops an experience ratio for the Rule 290. - Hired Autos liability coverage by utilizing the same methodology that was employed for Trucks, Tractors & Trailers in Step 1. This ratio is then compared to the Trucks, Tractors & Trailers experience ratio from Step 1. This comparison measures the adequacy of the current multistate relationship between the two classes.
YEARLY INDICATED CHANGE (Item 4)	This is the yearly indicated change in the multistate advisory relativity for the Rule 290. - Hired Autos liability coverage. It is expressed as a multiplicative factor to be applied to the current multistate advisory relativity. It is the ratio of Item 3 from Step 2 to Item 3 from Step 1.
INCURRED CLAIMS (Item 5)	These are the incurred claims associated with the incurred losses used for the review. The claims are also on an accident year basis and have been evaluated as of March 31, 2020. In other words, accident year ended December 31, 2019 includes all claims paid through March 31, 2020 on accidents occurring from January 1, 2019 to December 31, 2019 and all claims outstanding on these accidents as of March 31, 2020, 15 months after the inception of the accident year.
MULTISTATE EXPERIENCE RATIO FOR TRUCKS, TRACTORS & TRAILERS (Item 6)	This is the multistate experience ratio for Trucks, Tractors & Trailers that was developed in Step 1.
INDICATED CHANGE (Item 7)	This is the overall indicated change in the multistate advisory relativity for the Rule 290. - Hired Autos liability coverage. It is expressed as a multiplicative factor to be applied to the current multistate advisory relativity.

CURRENT
RELATIVITY
(Item 8)

This is the current multistate advisory relativity for the Rule 290. - Hired Autos liability coverage. This relativity is applied to the average liability loss cost for Trucks, Tractors & Trailers to yield the liability loss cost per \$100 annual cost of hire for Rule 290. - Hired Autos.

INDICATED
RELATIVITY
(Item 9)

This is the indicated multistate advisory relativity for the Rule 290. - Hired Autos liability coverage.

SELECTED
RELATIVITY
(Item 10)

This is the selected multistate advisory relativity that is being filed for the Rule 290. - Hired Autos liability coverage. This relativity was selected to temper the indication, and in view of the apparent downward trend in the indicated relativity over time.

FILED
CHANGE
(Item 11)

This is the percentage change in the multistate advisory relativity for the Rule 290. - Hired Autos liability coverage.

OVERVIEW OF ISO ACTUARIAL PROCEDURES – COMMERCIAL AUTOMOBILE

PHYSICAL DAMAGE LOSS COSTS FOR RULE 290. - HIRED AUTOS

OBJECTIVE	The objective of this procedure is to determine the indicated advisory prospective physical damage loss costs for Rule 290. - Hired Autos. Advisory prospective physical damage loss costs for additional deductible amounts are also being introduced.
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STEP 1: DETERMINATION OF MULTISTATE LOSS COST INDICATION	The first step in this process is the determination of the multistate loss cost indications for Hired Autos OTC and Collision. In other words, what percentage changes 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 on the exhibit labeled "Determination of Statewide Advisory Loss Cost Level Change." See the calculations in Exhibit D5 .
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STEP 2: CALCULATION OF DEDUCTIBLE DISCOUNT FACTORS	In order to examine the relationship between the loss costs by deductible, we calculated deductible discount factors. This analysis also allows us to introduce loss costs for additional deductibles of \$250, \$500, \$1000, \$2000, \$3000, and \$5000 for OTC and \$2000, \$3000, and \$5000 for Collision.
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STEP 3: REVISED MULTISTATE BASE LOSS COSTS	The multistate OTC and Collision loss costs appearing in this section are calculated by multiplying the current multistate base loss cost by the filed change (from Exhibit D5) and by an off-balance factor. The Deductible Discount Factor changes in this filing will be introduced on a "revenue neutral" basis. That is, an off-balance factor (OBF) will be applied to the base loss costs so that, on average, there is no change to the aggregate loss costs. The off-balance factors are calculated on Exhibit D11 . See the calculation of the revised multistate base loss costs in Exhibit D12 .
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STEP 4:
REVISED
LOSS COSTS BY
DEDUCTIBLE

The revised indicated OTC and Collision loss costs by deductible are determined by multiplying the revised multistate base loss cost (**Exhibit D12**) by one minus the appropriate deductible discount factor (**Exhibit D10**).

For specified perils, the revised loss cost was determined by multiplying the current loss cost by the OTC filed change from **Exhibit D5**.

The OTC full coverage loss cost was selected to be higher than the OTC \$50 deductible loss cost. For all other deductibles, the selected loss cost is the same as the indicated loss cost.

The OTC loss costs are appropriate for deductibles applicable to All Perils. Loss costs for deductibles applicable to Theft, Mischief and Vandalism Only are refer to company.

See **Exhibit D13** for the revised loss costs.

EXPERIENCE
PERIOD DATA

The review is being conducted on a multistate basis and the data is aggregated on an accident year basis.

The incurred losses and allocated loss adjustment expenses are on an accident year basis and were evaluated as of June 30, 2021. In other words, accident year ended March 31, 2021 includes all losses and allocated loss adjustment expenses paid through June 30, 2021 on accidents occurring from April 1, 2020 to March 31, 2021 and all losses and allocated loss adjustment expenses outstanding on these accidents as of June 30, 2021, 15 months after the inception of the accident year. Similarly, the incurred losses and allocated loss adjustment expenses for accident year ended March 31, 2020 include all loss and loss adjustment expenses paid through June 30, 2021 on accidents occurring from April 1, 2019 to March 31, 2020 and all losses and allocated loss adjustment expenses outstanding on these accidents as of June 30, 2021, 27 months after the inception of the accident year.

OVERVIEW OF ISO ACTUARIAL PROCEDURES – COMMERCIAL AUTOMOBILE

STEP 1 - DETERMINATION OF MULTISTATE ADVISORY LOSS COST LEVEL CHANGE

OBJECTIVE	<p>The objective of this procedure is to determine the indicated multistate advisory loss cost level change for Hired Autos OTC and Collision. In other words, what percentage changes 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 on the exhibit labeled "Determination of Statewide Advisory Loss Cost Level Change." See the calculations in Exhibit D5.</p>
DESCRIPTION	<p>This procedure compares the developed incurred losses and allocated loss adjustment expenses with the aggregate loss costs.</p>
AGGREGATE LOSS COSTS (Item 1)	<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 were used during the experience period. It is calculated by dividing the annual cost of hire by one hundred and multiplying the result by the current loss cost for the coverage and deductible.</p>
INCURRED LOSSES & LAE (Item 2)	<p>The incurred losses and loss adjustment expenses are our best estimate of the ultimate payment for indemnity losses and loss adjustment expenses using the claim frequency and severity levels ISO expects to occur during the prospective period for which the revised loss costs will be used.</p> <p>For the physical damage coverages, the reported paid (accident year) losses are subject to the following adjustments:</p> <ul style="list-style-type: none">• Developed to an ultimate settlement basis by the application of loss development factors (see Exhibit D6);• Loaded for all loss adjustment expenses (see Section C);• Placed on the prospective cost/frequency levels by the application of trend factors (see Exhibits D7 and D8).
EXPERIENCE RATIO (Item 3)	<p>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 experience period.</p>

OVERVIEW OF ISO ACTUARIAL PROCEDURES – COMMERCIAL AUTOMOBILE

STEP 2 - CALCULATION OF DEDUCTIBLE DISCOUNTS FACTORS

In order to examine the relationship between the loss costs by deductible, we calculated deductible discount factors. This analysis also allows us to introduce loss costs for additional deductibles of \$250, \$500, \$1000, \$2000, \$3000, and \$5000 for OTC and \$2000, \$3000, and \$5000 for Collision.

We begin developing Deductible Discount Factors by restating each claim in our database at higher deductible amounts and summarizing the results in a traditional deductible triangle. The rows contain loss data originally written at a given deductible amount, and the columns indicate to what deductible amount the data has been adjusted.

Following each deductible triangle is a Relative Loss Ratio triangle comparing adjacent deductible amounts. A weighted average of these values is developed, and they are accumulated to produce a Relative Loss Level curve showing the impact of deductible amount. The deductible and Relative Loss Ratio triangles are shown in **Exhibit D9**.

To derive the indicated percentage discounts, we divide the relative loss level for each deductible by the relative loss level for the base deductible and subtract the result from one. The base deductibles are \$100 for OTC and \$500 for Collision. The indicated percentage discounts are shown in **Exhibit D10**.

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE

SUMMARY OF PROSPECTIVE LOSS COST LEVEL CHANGES
STATEWIDE LOSS COST LEVEL CHANGES (A)

Coverages	Aggregate Loss Cost at Current Level (B)	Loss Cost Changes (C)
TRUCKS, TRACTORS & TRAILERS (D)		
Liability		
Single Limit Liability	\$ 68,332,634	11.5%
Physical Damage		
Other Than Collision	8,940,225	35.3%
Collision	12,869,260	50.0%
Combined	21,809,485	44.0%
Total Trucks, Tractors & Trailers	90,142,119	19.4%
PRIVATE PASSENGER TYPES		
Liability		
Single Limit Liability	8,660,183	16.9%
Physical Damage		
Other Than Collision	1,773,468	22.0%
Collision	2,653,220	39.0%
Combined	4,426,688	32.2%
Total Private Passenger Types	13,086,871	22.1%
AUTO DEALERS		
Liability		
Single Limit Liability	494,619	0.0%
Total Auto Dealers	494,619	0.0%
HIRED AUTOS		
Physical Damage		
Other Than Collision	35,740	38.3%
Collision	63,304	165.8%
Combined	99,044	119.8%
Total Hired Autos	99,044	119.8%
GRAND TOTAL ALL COVERAGES	103,822,653	19.7%
TOTAL LIABILITY	77,487,436	12.0%
TOTAL PHYSICAL DAMAGE	26,335,217	42.3%

(A) An implementation date of 04/01/2024 is assumed for purposes of trending.

(B) Accident Year ending 06/30/2022 Aggregate Loss Cost at Current Level for all coverages. The Liability loss costs are on a Total Limits basis.

(C) Loss Cost changes are calculated on a \$100,000 CSL Basic Limits basis for Liability and on an all deductibles combined basis for Physical Damage.

(D) For Liability and Physical Damage, classes related to Trucks, Tractors & Trailers, such as the Public Automobile classes, are impacted by the Trucks, Tractors & Trailers loss cost level changes.

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
TERRITORY LOSS COST LEVEL CHANGES
FOR TRUCKS, TRACTORS, AND TRAILERS POLICY COVERAGES

Territory	\$100,000 CSL	\$5,000
Code	Liability	Med Pay
103	14.4%	14.3%
104	12.4%	11.1%
105	8.4%	20.0%
106	11.2%	14.3%
110	15.0%	14.3%
111	11.1%	11.1%
112	7.9%	0.0%
113	19.1%	14.3%

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR TRUCKS, TRACTORS, AND TRAILERS POLICY COVERAGES

Territory Code	Physical Damage		Specified Causes of Loss
	Comprehensive	Collision ^(a)	
103	30.8%	44.2%	30.4%
104	43.2%	52.4%	43.1%
105	29.6%	52.0%	28.0%
106	41.4%	52.2%	40.9%
110	40.6%	51.0%	40.0%
111	45.9%	56.4%	45.1%
112	38.4%	47.6%	37.5%
113	25.3%	42.3%	25.0%

(a) For Trucks, Tractors, and Trailers Collision, 50.0% was selected to temper the large indication.

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
REVISED BASE LOSS COSTS BY TERRITORY
FOR TRUCKS, TRACTORS, AND TRAILERS POLICY COVERAGES

Territory	Liability	\$5,000	Physical Damage		Specified Causes
Code	\$100,000 CSL	Med Pay ^(a)	Comprehensive ^(b)	Collision ^(c)	of Loss ^(d)
103	422	8	391	421	253
104	626	10	272	419	176
105	220	6	184	386	119
106	526	8	239	382	155
110	452	8	194	432	126
111	728	10	229	463	148
112	721	10	238	484	154
113	393	8	332	400	215

(a) The loss costs for medical payments have been calculated by multiplying a relativity by the Trucks, Tractors, and Trailers CSL Liability loss costs. The relativities differ by territory and are listed in [EXHIBIT C20](#).

(b) Comprehensive base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost.

(c) Collision base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost.

(d) The loss costs for Specified Causes of Loss have been calculated by a relativity of 0.648 to the Trucks, Tractors, and Trailers Comprehensive base loss costs.

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR PRIVATE PASSENGER TYPES POLICY COVERAGES

Territory	\$100,000 CSL	\$5,000
Code	Liability	Med Pay
103	13.8%	18.2%
104	15.7%	20.0%
105	18.9%	14.3%
106	18.3%	27.3%
110	16.4%	11.1%
111	16.7%	11.1%
112	17.1%	13.3%
113	16.1%	20.0%

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES

FOR PRIVATE PASSENGER TYPES POLICY COVERAGES

Territory Code	Physical Damage		Specified Causes of Loss
	Comprehensive	Collision	
103	23.2%	35.1%	23.1%
104	19.9%	38.0%	20.1%
105	15.3%	29.2%	15.8%
106	27.0%	47.6%	27.1%
110	24.4%	43.3%	24.6%
111	25.0%	42.8%	25.2%
112	22.4%	44.4%	22.8%
113	23.6%	30.4%	23.0%

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
REVISED BASE LOSS COSTS BY TERRITORY

FOR PRIVATE PASSENGER TYPES POLICY COVERAGES

Territory	Liability	\$5,000	Physical Damage		Specified Causes
Code	\$100,000 CSL	Med Pay ^(a)	Comprehensive ^(b)	Collision ^(c)	of Loss ^(d)
103	404	13	329	435	213
104	559	18	295	537	191
105	245	8	203	451	132
106	426	14	188	518	122
110	320	10	250	377	162
111	644	20	215	607	139
112	535	17	257	556	167
113	382	12	314	438	203

(a) The loss costs for medical payments have been calculated by multiplying a relativity by the Private Passenger Types CSL Liability loss costs. The relativities differ by territory and are listed in [EXHIBIT C20](#).

(b) Comprehensive base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost.

(c) Collision base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost.

(d) The loss costs for Specified Causes of Loss have been calculated by a relativity of 0.648 to the Private Passenger Types Comprehensive base loss costs.

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR AUTO DEALERS POLICY COVERAGES

Territory	\$100,000 CSL
Code	Liability ^(a)
103	1.5%
104	-0.7%
105	-13.0%
106	-8.8%
110	7.5%
111	2.0%
112	0.7%
113	23.3%

(a) For Auto Dealers Liability, 0.0% was selected to reflect the favorable state experience.

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
REVISED BASE LOSS COSTS BY TERRITORY
FOR AUTO DEALERS POLICY COVERAGES

Territory	Liability
Code	\$100,000 CSL
103	267
104	397
105	140
106	333
110	286
111	462
112	457
113	249

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR VAN POOLS POLICY COVERAGES

Territory	\$100,000 CSL	\$5,000
Code	Liability	Med Pay
103	14.2%	18.2%
104	12.5%	11.8%
105	8.3%	16.7%
106	11.4%	14.3%
110	15.0%	16.7%
111	11.3%	10.0%
112	7.9%	10.0%
113	18.8%	20.0%

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR VAN POOLS POLICY COVERAGES

Territory Code	Physical Damage		Specified Causes
	Comprehensive	Collision	of Loss
103	30.8%	44.1%	30.5%
104	42.9%	52.3%	43.3%
105	29.6%	51.9%	28.4%
106	41.2%	52.2%	41.3%
110	40.5%	50.9%	40.1%
111	45.6%	56.5%	45.2%
112	38.7%	47.6%	37.6%
113	25.3%	42.4%	25.3%

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
REVISED BASE LOSS COSTS BY TERRITORY
FOR VAN POOLS POLICY COVERAGES

Territory	Liability	\$5,000	Physical Damage		Specified Causes
Code	\$100,000 CSL ^(a)	Med Pay ^(b)	Comprehensive ^(c)	Collision ^(d)	of Loss ^(e)
103	401	13	594	947	385
104	595	19	413	943	268
105	209	7	280	869	181
106	500	16	363	860	236
110	429	14	295	972	192
111	692	22	348	1042	225
112	685	22	362	1089	234
113	373	12	505	900	327

- (a) The loss costs for Van Pools were calculated by a relativity of 0.95 to the Trucks, Tractors, and Trailers CSL Liability loss costs.
- (b) The loss costs for medical payments have been calculated by multiplying a relativity by the Van Pools CSL liability loss costs. The relativities differ by territory and are listed in [EXHIBIT C20](#).
- (c) Comprehensive base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost and was calculated by a relativity of 1.52 to the Trucks, Tractors, and Trailers loss cost.
- (d) Collision base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost, and has been calculated by a relativity of 2.25 to the Trucks, Tractors, and Trailers loss cost.
- (e) The loss costs for Specified Causes of Loss were calculated by a relativity of 1.52 to the Trucks, Tractors, and Trailers Specified Causes of Loss loss costs.

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR TAXIS AND LIMOUSINES POLICY COVERAGES

Territory	\$100,000 CSL	\$5,000
Code	Liability	Med Pay
103	14.4%	14.5%
104	12.4%	12.9%
105	8.3%	8.8%
106	11.3%	11.4%
110	15.0%	15.2%
111	11.2%	10.9%
112	7.9%	8.0%
113	19.1%	20.0%

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR TAXIS AND LIMOUSINES POLICY COVERAGES

Territory Code	Physical Damage		Specified Causes of Loss
	Comprehensive	Collision	
103	30.8%	44.1%	30.5%
104	42.9%	52.3%	43.3%
105	29.6%	51.9%	28.4%
106	41.2%	52.2%	41.3%
110	40.5%	50.9%	40.1%
111	45.6%	56.5%	45.2%
112	38.7%	47.6%	37.6%
113	25.3%	42.4%	25.3%

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
REVISED BASE LOSS COSTS BY TERRITORY

FOR TAXIS AND LIMOUSINES POLICY COVERAGES

Territory	Liability	\$5,000	Physical Damage		Specified Causes
Code	\$100,000 CSL ^(a)	Med Pay ^(b)	Comprehensive ^(c)	Collision ^(d)	of Loss ^(e)
103	1696	71	594	947	385
104	2517	105	413	943	268
105	884	37	280	869	181
106	2115	88	363	860	236
110	1817	76	295	972	192
111	2927	122	348	1042	225
112	2898	121	362	1089	234
113	1580	66	505	900	327

- (a) The loss costs for Taxis and Limousines were calculated by a relativity of 4.02 to the Trucks, Tractors, and Trailers CSL Liability loss costs.
- (b) The loss costs for medical payments have been calculated by multiplying a relativity by the Taxis and Limousines CSL liability loss costs. The relativities differ by territory and are listed in [EXHIBIT C20](#).
- (c) Comprehensive base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost and was calculated by a relativity of 1.52 to the Trucks, Tractors, and Trailers loss cost.
- (d) Collision base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost, and has been calculated by a relativity of 2.25 to the Trucks, Tractors, and Trailers loss cost.
- (e) The loss costs for Specified Causes of Loss were calculated by a relativity of 1.52 to the Trucks, Tractors, and Trailers Specified Causes of Loss loss costs.

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES

FOR SCHOOL AND CHURCH BUSES POLICY COVERAGES

Territory	\$100,000 CSL	\$5,000
Code	Liability	Med Pay
103	14.3%	10.0%
104	12.3%	9.1%
105	9.1%	14.3%
106	11.1%	10.0%
110	15.4%	20.0%
111	11.2%	8.3%
112	7.9%	8.3%
113	19.2%	20.0%

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR SCHOOL AND CHURCH BUSES POLICY COVERAGES

Territory Code	Physical Damage		Specified Causes of Loss
	Comprehensive	Collision	
103	31.0%	44.0%	30.3%
104	43.4%	52.6%	42.9%
105	28.9%	51.9%	28.6%
106	41.7%	52.5%	40.0%
110	40.4%	51.1%	41.0%
111	45.8%	57.0%	46.4%
112	38.5%	47.3%	38.2%
113	25.6%	42.4%	24.8%

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
REVISED BASE LOSS COSTS BY TERRITORY

FOR SCHOOL AND CHURCH BUSES POLICY COVERAGES

Territory	Liability	\$5,000	Physical Damage		Specified Causes
Code	\$100,000 CSL ^(a)	Med Pay ^(b)	Comprehensive ^(c)	Collision ^(d)	of Loss ^(e)
103	160	11	266	265	172
104	238	12	185	264	120
105	84	8	125	243	81
106	200	11	163	241	105
110	172	12	132	272	86
111	277	13	156	292	101
112	274	13	162	305	105
113	149	12	226	252	146

- (a) The loss costs for School and Church Buses were calculated by a relativity of 0.38 to the Trucks, Tractors, and Trailers CSL Liability loss costs.
- (b) The loss costs for medical payments have been calculated by multiplying a relativity by the School and Church Buses CSL liability loss costs. The relativities differ by territory and are listed in [EXHIBIT C20](#).
- (c) Comprehensive base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost and was calculated by a relativity of 0.68 to the Trucks, Tractors, and Trailers loss cost.
- (d) Collision base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost, and has been calculated by a relativity of 0.63 to the Trucks, Tractors, and Trailers loss cost.
- (e) The loss costs for Specified Causes of Loss were calculated by a relativity of 0.68 to the Trucks, Tractors, and Trailers Specified Causes of Loss loss costs.

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR ALL OTHER BUSES POLICY COVERAGES

Territory	\$100,000 CSL	\$5,000
Code	Liability	Med Pay
103	14.4%	13.8%
104	12.4%	11.9%
105	8.4%	7.1%
106	11.2%	10.5%
110	15.0%	14.8%
111	11.1%	11.3%
112	7.9%	8.3%
113	19.1%	20.0%

VERISK

COLORADO
 COMMERCIAL AUTOMOBILE INSURANCE
 REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
 TERRITORY LOSS COST LEVEL CHANGES
 FOR ALL OTHER BUSES POLICY COVERAGES

Territory Code	Physical Damage		Specified Causes
	Comprehensive	Collision	of Loss
103	31.0%	44.0%	30.3%
104	43.4%	52.6%	42.9%
105	28.9%	51.9%	28.6%
106	41.7%	52.5%	40.0%
110	40.4%	51.1%	41.0%
111	45.8%	57.0%	46.4%
112	38.5%	47.3%	38.2%
113	25.6%	42.4%	24.8%

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
REVISED PROSPECTIVE LOSS COSTS AND PERCENTAGE CHANGES
REVISED BASE LOSS COSTS BY TERRITORY
FOR ALL OTHER BUSES POLICY COVERAGES

Territory	Liability	\$5,000	Physical Damage		Specified Causes
Code	\$100,000 CSL ^(a)	Med Pay ^(b)	Comprehensive ^(c)	Collision ^(d)	of Loss ^(e)
103	1334	66	266	265	172
104	1978	75	185	264	120
105	695	45	125	243	81
106	1662	63	163	241	105
110	1428	70	132	272	86
111	2300	79	156	292	101
112	2278	78	162	305	105
113	1242	72	226	252	146

- (a) The loss costs for All Other Buses were calculated by a relativity of 3.16 to the Trucks, Tractors, and Trailers CSL Liability loss costs.
- (b) The loss costs for medical payments have been calculated by multiplying a relativity by the All Other Buses CSL liability loss costs. The relativities differ by territory and are listed in [EXHIBIT C20](#).
- (c) Comprehensive base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost and was calculated by a relativity of 0.68 to the Trucks, Tractors, and Trailers loss cost.
- (d) Collision base loss cost is the \$25,000-29,999 OCN, age 1, \$500 deductible loss cost, and has been calculated by a relativity of 0.63 to the Trucks, Tractors, and Trailers loss cost.
- (e) The loss costs for Specified Causes of Loss were calculated by a relativity of 0.68 to the Trucks, Tractors, and Trailers Specified Causes of Loss loss costs.

VERISK

COLORADO
 AUTOMOBILE LIABILITY INSURANCE - TRUCKS, TRACTORS, AND TRAILERS (A)
 DETERMINATION OF STATEWIDE ADVISORY LOSS COST LEVEL CHANGES
 SINGLE LIMIT LIABILITY COVERAGE

ACCIDENT YEAR ENDING	(1) AGGREGATE LOSS COST AT CURRENT LEVEL (B)	(2) \$100,000 INCURRED LOSSES (C)	(3) EXPERIENCE RATIO (2) / (1)	(4) ACCIDENT YEAR WEIGHTS	(5) NUMBER OF INCURRED CLAIMS
06/30/20	\$35,834,869	\$44,967,210	1.255	20%	2,426
06/30/21	\$35,574,003	\$38,836,633	1.092	30%	2,222
06/30/22	\$35,060,356	\$37,620,604	1.073	50%	2,145
(6)	AVERAGE EXPERIENCE RATIO (SUM OF (3)*(4)).				1.116
(7)	EXPECTED EXPERIENCE RATIO (D).				1.110
(8)	CREDIBILITY (E).				0.75
(9)	CREDIBILITY WEIGHTED EXPERIENCE RATIO: ((6) * (8)) + ((7) * (1.000- (8))).				1.115
(10)	INDICATED PERCENTAGE CHANGE IN ADVISORY LOSS COST LEVEL ((9) - 1.000).				11.5%
(11)	FILED CHANGE.				11.5%
(A)	TRUCK, TRACTOR, AND TRAILER EXPERIENCE IS FOR VEHICLES WRITTEN IN ACCORDANCE WITH RULE 222 OF THE COMMERCIAL LINES MANUAL, DIVISION 1, AUTOMOBILE.				
(B)	THE AGGREGATE LOSS COST AT CURRENT LEVEL IS CALCULATED BY EXTENDING EXPOSURES BY THE CURRENT LOSS COSTS FROM THE LAST REVISION.				
(C)	LOSSES INCLUDE ALL LOSS ADJUSTMENT EXPENSES FOR BODILY INJURY AND PROPERTY DAMAGE LIABILITY. SEE FOLLOWING PAGE.				
(D)	EXPECTED EXPERIENCE RATIO IS EQUAL TO THE COMBINED TREND FACTOR SHOWN ON THE FOLLOWING PAGE, DIVIDED BY THE PREMIUM TREND FACTOR, PROJECTED FOR M YEARS. THE PERIOD M IS EQUAL TO THE NUMBER OF YEARS FROM ONE YEAR BEYOND THE IMPLEMENTATION DATE OF THE LAST REVISION TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSES OF TRENDING, SUBJECT TO A MAXIMUM OF THE N-VALUE CORRESPONDING TO THE LATEST YEAR SHOWN ON THE FOLLOWING PAGE, FOOTNOTE B. IN THIS REVISION, THE PERIOD M IS 1.250 YEAR(S).				
(E)	CREDIBILITY IS BASED ON A 3 YEAR TOTAL OF CLAIMS FOR B.I. AND P.D. SHOWN IN COLUMN (5). THE STANDARD FOR FULL CREDIBILITY IS 11,500 CLAIMS (SEE CREDIBILITY TABLES IN SECTION C).				

VERISK

COLORADO
TRUCKS, TRACTORS, AND TRAILERS
AUTOMOBILE LIABILITY INSURANCE
DETERMINATION OF SINGLE LIMIT LOSSES

	ACC. YEAR ENDING	BODILY INJURY	PROPERTY DAMAGE	COMBINED
(1) INCURRED LOSSES AND ALLOCATED LOSS ADJUSTMENT EXPENSES				
	06/30/20	\$14,835,456	\$10,675,167	
	06/30/21	\$11,787,181	\$10,896,002	
	06/30/22	\$9,460,928	\$11,717,580	
(2) DEVELOPED LOSSES AND ALL LOSS ADJUSTMENT EXPENSES (A)				
	06/30/20	\$17,032,142	\$11,890,428	
	06/30/21	\$14,850,610	\$12,256,804	
	06/30/22	\$15,043,301	\$13,504,687	
(3) SELECTED ANNUAL LOSS TREND (SEE TREND EXHIBIT IN SECTION C)				
		8.1%	9.7%	8.9%
(4) TRENDED LOSSES AND ALL LOSS ADJUSTMENT EXPENSES (B)				
	06/30/20	\$25,633,374	\$19,333,836	\$44,967,210
	06/30/21	\$20,672,049	\$18,164,584	\$38,836,633
	06/30/22	\$19,375,772	\$18,244,832	\$37,620,604
(A) INCURRED LOSSES AND ALLOCATED LOSS ADJUSTMENT EXPENSES ARE ADJUSTED BY THE FOLLOWING FACTORS:				
1 - UNALLOCATED LOSS ADJUSTMENT FACTORS:				
		B.I. 1.065	P.D. 1.105	
2 - LOSS DEVELOPMENT FACTORS:				
	YEAR ENDING	B.I.	P.D.	
	06/30/20	1.078	1.008	
	06/30/21	1.183	1.018	
	06/30/22	1.493	1.043	
(B) TRENDED LOSSES ARE EQUAL TO (2) * ((1.0 + (3)) ** N), WHERE N IS EQUAL TO THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF ACCIDENT TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING.				

YEAR ENDING	AVERAGE DATE OF ACCIDENT	PROJECTION PERIOD
06/30/20	1/1/20	5.250
06/30/21	1/1/21	4.250
06/30/22	1/1/22	3.250

VERISK

COLORADO
TRUCKS, TRACTORS, AND TRAILERS
AUTOMOBILE LIABILITY INSURANCE
DETERMINATION OF LIABILITY TRENDED AGGREGATE LOSS COSTS

	ACC. YEAR ENDING	AGGREGATE LOSS COSTS
(1) AGGREGATE LOSS COSTS AT CURRENT LEVEL		
	06/30/20	\$35,444,974
	06/30/21	\$35,256,693
	06/30/22	\$34,816,640
(2) SELECTED ANNUAL PREMIUM TREND (SEE TREND EXHIBIT IN SECTION C)		
		0.2%
(3) TRENDED AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)		
	06/30/20	\$35,834,869
	06/30/21	\$35,574,003
	06/30/22	\$35,060,356
(A) TRENDED AGGREGATE LOSS COSTS ARE EQUAL TO (1) * ((1.0 + (2)) ** N), WHERE N IS EQUAL TO THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF WRITING TO SIX MONTHS BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING.		
YEAR ENDING	AVERAGE DATE OF WRITING	PROJECTION PERIOD
06/30/20	7/1/19	5.250
06/30/21	7/1/20	4.250
06/30/22	7/1/21	3.250

VERISK

COLORADO
AUTOMOBILE PHYSICAL DAMAGE INSURANCE - TRUCKS, TRACTORS AND TRAILERS (A)
DETERMINATION OF STATEWIDE ADVISORY LOSS COST LEVEL CHANGES

COVERAGE O.T.C	ACCIDENT YEAR ENDING	(1) AGGREGATE LOSS COST AT CURRENT LEVEL (B)	(2) INCURRED LOSSES (C)	(3) EXPERIENCE RATIO (2) / (1)	(4) ACCIDENT YEAR WEIGHTS	(5) NUMBER OF PAID CLAIMS
	06/30/20	\$9,800,690	\$10,851,627	1.107	20%	1,555
	06/30/21	\$9,588,220	\$13,794,246	1.439	30%	2,081
	06/30/22	\$8,940,225	\$14,647,480	1.638	50%	2,008
COLL.	06/30/20	\$13,703,821	\$22,567,998	1.647	20%	1,584
	06/30/21	\$13,272,669	\$19,193,066	1.446	30%	1,425
	06/30/22	\$12,869,260	\$21,617,722	1.680	50%	1,330
(6)	AVERAGE EXPERIENCE RATIO (SUM OF (3)*(4)).				O.T.C. 1.472	COLLISION 1.603
(7)	EXPECTED EXPERIENCE RATIO (D).				1.074	1.098
(8)	CREDIBILITY (E).				0.70	0.95
(9)	CREDIBILITY WEIGHTED EXPERIENCE RATIO: ((6) * (8)) + ((7) * (1.000 - (8))).				1.353	1.578
(10)	INDICATED PERCENTAGE CHANGE IN ADVISORY LOSS COST LEVEL ((9) - 1.000).				35.3%	57.8%
(11)	FILED CHANGE.				35.3%	50.0%
(A)	TRUCK, TRACTOR AND TRAILER EXPERIENCE IS FOR VEHICLES WRITTEN IN ACCORDANCE WITH RULE 222 OF THE COMMERCIAL LINES MANUAL, DIVISION 1, AUTOMOBILE.					
(B)	THE AGGREGATE LOSS COST AT CURRENT LEVEL IS CALCULATED BY EXTENDING EXPOSURES BY THE CURRENT LOSS COSTS AND ADJUSTING TO A PROSPECTIVE VVF LEVEL BY THE APPLICATION OF VVF TREND FACTORS. (SEE SUBSEQUENT PAGE).					
(C)	LOSSES INCLUDE ALL LOSS ADJUSTMENT EXPENSES FOR O.T.C. AND COLL. SEE FOLLOWING PAGE.					
(D)	EXPECTED EXPERIENCE RATIO IS EQUAL TO THE LOSS TREND FACTOR DIVIDED BY THE VVF TREND FACTOR, PROJECTED FOR M YEARS. THE PERIOD M IS EQUAL TO THE NUMBER OF YEARS FROM ONE YEAR BEYOND THE IMPLEMENTATION DATE OF THE LAST REVISION TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSES OF TRENDING, SUBJECT TO A MAXIMUM OF THE N-VALUE CORRESPONDING TO THE LATEST YEAR SHOWN ON THE FOLLOWING PAGE, FOOTNOTE B. IN THIS REVISION, THE PERIOD M IS 1.250 YEAR(S).					
(E)	CREDIBILITY IS BASED ON A 3 YEAR TOTAL OF CLAIMS FOR O.T.C. AND A 3 YEAR TOTAL OF CLAIMS FOR COLLISION SHOWN IN COLUMN (5). THE STANDARDS FOR FULL CREDIBILITY ARE 11,000 CLAIMS FOR O.T.C. AND 4,500 CLAIMS FOR COLLISION (SEE CREDIBILITY TABLES IN SECTION C).					

VERISK

COLORADO
TRUCKS, TRACTORS AND TRAILERS
AUTOMOBILE PHYSICAL DAMAGE INSURANCE
DETERMINATION OF PHYSICAL DAMAGE LOSSES

	ACC. YEAR ENDING	O.T.C	COLLISION
(1) PAID LOSSES			
	06/30/20	\$6,432,747	\$12,177,394
	06/30/21	\$8,813,899	\$11,473,040
	06/30/22	\$9,797,269	\$14,609,463
(2) DEVELOPED LOSSES AND ALL LOSS ADJUSTMENT EXPENSES (A)	06/30/20	\$7,244,077	\$13,685,869
	06/30/21	\$9,945,383	\$12,803,913
	06/30/22	\$11,407,695	\$15,860,398
(3) SELECTED ANNUAL LOSS TREND (SEE TREND EXHIBIT IN SECTION C)		8.0%	10.0%
(4) TRENDING LOSSES AND ALL LOSS ADJUSTMENT EXPENSES (B)	06/30/20	\$10,851,627	\$22,567,998
	06/30/21	\$13,794,246	\$19,193,066
	06/30/22	\$14,647,480	\$21,617,722
(A) PAID LOSSES ARE ADJUSTED BY THE FOLLOWING:			
1 - LOSS ADJUSTMENT EXPENSE FACTORS:		O.T.C	COLL.
		1.125	1.125
2 - LOSS DEVELOPMENT FACTORS:			
	YEAR ENDING	O.T.C.	COLL.
	06/30/20	1.001	0.999
	06/30/21	1.003	0.992
	06/30/22	1.035	0.965
(B) TRENDING LOSSES ARE EQUAL TO (2) * ((1.0 + (3)) ** N), WHERE N IS EQUAL TO THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF ACCIDENT TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING BOTH OTC AND COLLISION.			
	YEAR ENDING	AVERAGE DATE OF ACCIDENT	PROJECTION PERIOD OTC
			PROJECTION PERIOD COLL
	06/30/20	1/1/20	5.250
	06/30/21	1/1/21	4.250
	06/30/22	1/1/22	3.250

VERISK

COLORADO
TRUCKS, TRACTORS AND TRAILERS
AUTOMOBILE PHYSICAL DAMAGE INSURANCE
DETERMINATION OF PHYSICAL DAMAGE TRENDED
AGGREGATE LOSS COSTS

	ACC. YEAR ENDING	O.T.C	COLLISION
(1) AGGREGATE LOSS COSTS AT CURRENT LEVEL			
	06/30/20	\$8,829,450	\$12,345,785
	06/30/21	\$8,812,702	\$12,199,144
	06/30/22	\$8,386,703	\$12,072,477
(2) SELECTED ANNUAL VVF TREND (SEE TREND EXHIBIT IN SECTION C)			
		2.0%	2.0%
(3) TRENDED AGGREGATE LOSS COSTS AT CURRENT LEVEL (A)			
	06/30/20	\$9,800,690	\$13,703,821
	06/30/21	\$9,588,220	\$13,272,669
	06/30/22	\$8,940,225	\$12,869,260
(A) TRENDED AGGREGATE LOSS COSTS ARE EQUAL TO (1) * ((1.0 + (2)) ** N), WHERE N IS EQUAL TO THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF WRITING TO SIX MONTHS BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING BOTH OTC AND COLLISION.			
YEAR ENDING	AVERAGE DATE OF WRITING	PROJECTION PERIOD OTC	PROJECTION PERIOD COLL
06/30/20	7/1/19	5.250	5.250
06/30/21	7/1/20	4.250	4.250
06/30/22	7/1/21	3.250	3.250

VERISK

COLORADO
 AUTOMOBILE LIABILITY INSURANCE - PRIVATE PASSENGER TYPES (A)
 DETERMINATION OF STATEWIDE ADVISORY LOSS COST LEVEL CHANGES
 SINGLE LIMIT LIABILITY COVERAGE

	(1)	(2)	(3)	(4)	(5)
ACCIDENT	AGGREGATE	\$100,000			
YEAR	LOSS COST AT	INCURRED	EXPERIENCE	ACCIDENT YEAR	NUMBER OF
ENDING	CURRENT	LOSSES	RATIO	WEIGHTS	INCURRED
	LEVEL (B)	(C)	(2) / (1)		CLAIMS
06/30/18	\$4,827,810	\$8,054,627	1.668	10%	455
06/30/19	\$5,176,726	\$7,027,144	1.357	15%	472
06/30/20	\$5,233,638	\$6,168,832	1.179	20%	360
06/30/21	\$4,908,705	\$4,208,547	0.857	25%	287
06/30/22	\$4,658,517	\$6,790,208	1.458	30%	342
(6)	AVERAGE EXPERIENCE RATIO (SUM OF (3)*(4)).				1.258
(7)	EXPECTED EXPERIENCE RATIO (D).				1.110
(8)	CREDIBILITY (E).				0.40
(9)	CREDIBILITY WEIGHTED EXPERIENCE RATIO: ((6) * (8)) + ((7) * (1.000- (8))).				1.169
(10)	INDICATED PERCENTAGE CHANGE IN ADVISORY LOSS COST LEVEL ((9) - 1.000).				16.9%
(11)	FILED CHANGE.				16.9%
(A)	PRIVATE PASSENGER TYPE EXPERIENCE IS FOR VEHICLES WRITTEN IN ACCORDANCE WITH RULE 232 OF THE COMMERCIAL LINES MANUAL, DIVISION 1, AUTOMOBILE.				
(B)	THE AGGREGATE LOSS COST AT CURRENT LEVEL IS CALCULATED BY EXTENDING EXPOSURES BY THE CURRENT LOSS COSTS FROM THE LAST REVISION.				
(C)	LOSSES INCLUDE ALL LOSS ADJUSTMENT EXPENSES FOR BODILY INJURY AND PROPERTY DAMAGE LIABILITY. SEE FOLLOWING PAGE.				
(D)	EXPECTED EXPERIENCE RATIO IS EQUAL TO THE COMBINED TREND FACTOR SHOWN ON THE FOLLOWING PAGE, DIVIDED BY THE PREMIUM TREND FACTOR, PROJECTED FOR M YEARS. THE PERIOD M IS EQUAL TO THE NUMBER OF YEARS FROM ONE YEAR BEYOND THE IMPLEMENTATION DATE OF THE LAST REVISION TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSES OF TRENDING, SUBJECT TO A MAXIMUM OF THE N-VALUE CORRESPONDING TO THE LATEST YEAR SHOWN ON THE FOLLOWING PAGE, FOOTNOTE B. IN THIS REVISION, THE PERIOD M IS 1.250 YEAR(S).				
(E)	CREDIBILITY IS BASED ON A 5 YEAR TOTAL OF CLAIMS FOR B.I. AND P.D. SHOWN IN COLUMN (5). THE STANDARD FOR FULL CREDIBILITY IS 11,500 CLAIMS (SEE CREDIBILITY TABLES IN SECTION C).				

VERISK

COLORADO
PRIVATE PASSENGER TYPES
AUTOMOBILE LIABILITY INSURANCE
DETERMINATION OF SINGLE LIMIT LOSSES

	ACC. YEAR ENDING	BODILY INJURY	PROPERTY DAMAGE	COMBINED
(1) INCURRED LOSSES AND	06/30/18	\$2,338,848	\$1,672,606	
ALLOCATED LOSS	06/30/19	\$1,991,636	\$1,759,790	
ADJUSTMENT EXPENSES	06/30/20	\$2,187,330	\$1,320,711	
	06/30/21	\$1,250,982	\$1,275,075	
	06/30/22	\$2,002,336	\$1,711,376	
(2) DEVELOPED LOSSES AND	06/30/18	\$2,520,764	\$1,850,078	
ALL LOSS ADJUSTMENT	06/30/19	\$2,182,604	\$1,948,457	
EXPENSES (A)	06/30/20	\$2,515,867	\$1,465,223	
	06/30/21	\$1,506,827	\$1,424,456	
	06/30/22	\$3,089,975	\$2,080,178	
(3) SELECTED ANNUAL LOSS TREND (SEE TREND EXHIBIT IN SECTION C)		8.1%	9.7%	8.7%
(4) TRENDED LOSSES AND	06/30/18	\$4,434,024	\$3,620,603	\$8,054,627
ALL LOSS ADJUSTMENT	06/30/19	\$3,551,097	\$3,476,047	\$7,027,144
EXPENSES (B)	06/30/20	\$3,786,380	\$2,382,453	\$6,168,832
	06/30/21	\$2,097,503	\$2,111,044	\$4,208,547
	06/30/22	\$3,979,888	\$2,810,320	\$6,790,208
(A) INCURRED LOSSES AND ALLOCATED LOSS ADJUSTMENT EXPENSES ARE ADJUSTED BY THE FOLLOWING FACTORS:				
1 - UNALLOCATED LOSS ADJUSTMENT FACTORS:		B.I. 1.065	P.D. 1.105	
2 - LOSS DEVELOPMENT FACTORS:				
	YEAR ENDING	B.I.	P.D.	
	06/30/18	1.012	1.001	
	06/30/19	1.029	1.002	
	06/30/20	1.080	1.004	
	06/30/21	1.131	1.011	
	06/30/22	1.449	1.100	

(B) TRENDED LOSSES ARE EQUAL TO $(2) * ((1.0 + (3)) ** N)$, WHERE N IS EQUAL TO
THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF ACCIDENT TO ONE
YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24
WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING.

YEAR ENDING	AVERAGE DATE OF ACCIDENT	PROJECTION PERIOD
06/30/18	1/1/18	7.250
06/30/19	1/1/19	6.250
06/30/20	1/1/20	5.250
06/30/21	1/1/21	4.250
06/30/22	1/1/22	3.250

VERISK

COLORADO
PRIVATE PASSENGER TYPES
AUTOMOBILE LIABILITY INSURANCE
DETERMINATION OF LIABILITY TRENDED AGGREGATE LOSS COSTS

	ACC. YEAR ENDING	AGGREGATE LOSS COSTS
(1) AGGREGATE LOSS COSTS	06/30/18	\$4,827,810
AT CURRENT LEVEL	06/30/19	\$5,176,726
	06/30/20	\$5,233,638
	06/30/21	\$4,908,705
	06/30/22	\$4,658,517

(2) SELECTED ANNUAL PREMIUM	
TREND (SEE TREND	0.0%
EXHIBIT IN SECTION C)	

(3) TRENDED AGGREGATE	06/30/18	\$4,827,810
LOSS COSTS AT	06/30/19	\$5,176,726
CURRENT LEVEL (A)	06/30/20	\$5,233,638
	06/30/21	\$4,908,705
	06/30/22	\$4,658,517

(A) TRENDED AGGREGATE LOSS COSTS ARE EQUAL TO (1) * ((1.0 + (2)) ** N),
WHERE N IS EQUAL TO THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF
WRITING TO SIX MONTHS BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF
04/01/24 WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING.

YEAR ENDING	AVERAGE DATE OF WRITING	PROJECTION PERIOD
06/30/18	7/1/17	7.250
06/30/19	7/1/18	6.250
06/30/20	7/1/19	5.250
06/30/21	7/1/20	4.250
06/30/22	7/1/21	3.250

VERISK

COLORADO
 AUTOMOBILE PHYSICAL DAMAGE INSURANCE - PRIVATE PASSENGER TYPES (A)
 DETERMINATION OF STATEWIDE ADVISORY LOSS COST LEVEL CHANGES

COVERAGE	ACCIDENT YEAR	(1) AGGREGATE LOSS COST AT CURRENT LEVEL (B)	(2) INCURRED LOSSES (C)	(3) EXPERIENCE RATIO (2) / (1)	(4) ACCIDENT YEAR WEIGHTS	(5) NUMBER OF PAID CLAIMS
O.T.C	ENDING					
	06/30/18	\$2,300,975	\$3,016,453	1.311	10%	605
	06/30/19	\$2,174,045	\$2,857,662	1.314	15%	630
	06/30/20	\$2,126,750	\$1,983,744	0.933	20%	445
	06/30/21	\$1,960,100	\$2,133,665	1.089	25%	492
	06/30/22	\$1,773,468	\$3,287,775	1.854	30%	575
COLL.	06/30/18	\$3,429,995	\$6,034,467	1.759	10%	571
	06/30/19	\$3,309,156	\$5,334,310	1.612	15%	539
	06/30/20	\$3,231,839	\$4,081,715	1.263	20%	423
	06/30/21	\$3,018,584	\$3,931,923	1.303	25%	371
	06/30/22	\$2,653,220	\$4,087,871	1.541	30%	346
					O.T.C.	COLLISION
(6)	AVERAGE EXPERIENCE RATIO (SUM OF (3)*(4)).				1.343	1.459
(7)	EXPECTED EXPERIENCE RATIO (D).				1.070	1.112
(8)	CREDIBILITY (E).				0.55	0.80
(9)	CREDIBILITY WEIGHTED EXPERIENCE RATIO: ((6) * (8)) + ((7) * (1.000- (8))).				1.220	1.390
(10)	INDICATED PERCENTAGE CHANGE IN ADVISORY LOSS COST LEVEL ((9) - 1.000).				22.0%	39.0%
(11)	FILED CHANGE.				22.0%	39.0%
(A)	PRIVATE PASSENGER TYPE EXPERIENCE IS FOR VEHICLES WRITTEN IN ACCORDANCE WITH RULE 232 OF THE COMMERCIAL LINES MANUAL, DIVISION 1, AUTOMOBILE.					
(B)	THE AGGREGATE LOSS COST AT CURRENT LEVEL IS CALCULATED BY EXTENDING EXPOSURES BY THE CURRENT LOSS COSTS AND ADJUSTING TO A PROSPECTIVE VVF LEVEL BY THE APPLICATION OF VVF TREND FACTORS. (SEE SUBSEQUENT PAGE).					
(C)	LOSSES INCLUDE ALL LOSS ADJUSTMENT EXPENSES FOR O.T.C. AND COLL. SEE FOLLOWING PAGE.					
(D)	EXPECTED EXPERIENCE RATIO IS EQUAL TO THE LOSS TREND FACTOR DIVIDED BY THE VVF TREND FACTOR, PROJECTED FOR M YEARS. THE PERIOD M IS EQUAL TO THE NUMBER OF YEARS FROM ONE YEAR BEYOND THE IMPLEMENTATION DATE OF THE LAST REVISION TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSES OF TRENDING, SUBJECT TO A MAXIMUM OF THE N-VALUE CORRESPONDING TO THE LATEST YEAR SHOWN ON THE FOLLOWING PAGE, FOOTNOTE B. IN THIS REVISION, THE PERIOD M IS 1.250 YEAR(S).					
(E)	CREDIBILITY IS BASED ON A 5 YEAR TOTAL OF CLAIMS FOR O.T.C. AND A 5 YEAR TOTAL OF CLAIMS FOR COLLISION SHOWN IN COLUMN (5). THE STANDARDS FOR FULL CREDIBILITY ARE 8,500 CLAIMS FOR O.T.C. AND 3,500 CLAIMS FOR COLLISION (SEE CREDIBILITY TABLES IN SECTION C).					

VERISK

COLORADO
PRIVATE PASSENGER TYPES
AUTOMOBILE PHYSICAL DAMAGE INSURANCE
DETERMINATION OF PHYSICAL DAMAGE LOSSES

	ACC. YEAR ENDING	O.T.C	COLLISION
(1) PAID LOSSES	06/30/18	\$1,587,502	\$2,687,360
	06/30/19	\$1,616,896	\$2,613,897
	06/30/20	\$1,206,107	\$2,202,440
	06/30/21	\$1,395,948	\$2,348,019
	06/30/22	\$2,264,952	\$2,812,163
(2) DEVELOPED LOSSES AND	06/30/18	\$1,785,940	\$3,023,280
ALL LOSS ADJUSTMENT	06/30/19	\$1,819,008	\$2,940,634
EXPENSES (A)	06/30/20	\$1,356,870	\$2,475,267
	06/30/21	\$1,568,871	\$2,623,031
	06/30/22	\$2,599,032	\$2,999,172
(3) SELECTED ANNUAL LOSS			
TREND (SEE TREND		7.5%	10.0%
EXHIBIT IN SECTION C)			
(4) TRENDED LOSSES AND	06/30/18	\$3,016,453	\$6,034,467
ALL LOSS ADJUSTMENT	06/30/19	\$2,857,662	\$5,334,310
EXPENSES (B)	06/30/20	\$1,983,744	\$4,081,715
	06/30/21	\$2,133,665	\$3,931,923
	06/30/22	\$3,287,775	\$4,087,871

(A) PAID LOSSES ARE ADJUSTED BY THE FOLLOWING:

1 - LOSS ADJUSTMENT EXPENSE FACTORS:

	O.T.C	COLL.
	1.125	1.125

2 - LOSS DEVELOPMENT FACTORS:

YEAR ENDING	O.T.C.	COLL.
06/30/18	1.000	1.000
06/30/19	1.000	1.000
06/30/20	1.000	0.999
06/30/21	0.999	0.993
06/30/22	1.020	0.948

(B) TRENDED LOSSES ARE EQUAL TO (2) * ((1.0 + (3)) ** N), WHERE N IS EQUAL TO THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF ACCIDENT TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING BOTH OTC AND COLLISION.

YEAR ENDING	AVERAGE DATE OF ACCIDENT	PROJECTION PERIOD OTC	PROJECTION PERIOD COLL
06/30/18	1/1/18	7.250	7.250
06/30/19	1/1/19	6.250	6.250
06/30/20	1/1/20	5.250	5.250
06/30/21	1/1/21	4.250	4.250
06/30/22	1/1/22	3.250	3.250

VERISK

COLORADO
PRIVATE PASSENGER TYPES
AUTOMOBILE PHYSICAL DAMAGE INSURANCE
DETERMINATION OF PHYSICAL DAMAGE TRENDED
AGGREGATE LOSS COSTS

	ACC. YEAR ENDING	O.T.C	COLLISION
(1) AGGREGATE LOSS COSTS	06/30/18	\$2,021,946	\$3,190,693
AT CURRENT LEVEL	06/30/19	\$1,944,584	\$3,110,109
	06/30/20	\$1,936,931	\$3,066,261
	06/30/21	\$1,816,589	\$2,894,136
	06/30/22	\$1,673,083	\$2,568,461
(2) SELECTED ANNUAL VVF TREND (SEE TREND EXHIBIT IN SECTION C)		1.8%	1.0%
(3) TRENDED AGGREGATE	06/30/18	\$2,300,975	\$3,429,995
LOSS COSTS AT	06/30/19	\$2,174,045	\$3,309,156
CURRENT LEVEL (A)	06/30/20	\$2,126,750	\$3,231,839
	06/30/21	\$1,960,100	\$3,018,584
	06/30/22	\$1,773,468	\$2,653,220

(A) TRENDED AGGREGATE LOSS COSTS ARE EQUAL TO (1) * ((1.0 + (2)) ** N),
WHERE N IS EQUAL TO THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF
WRITING TO SIX MONTHS BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF
04/01/24 WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING BOTH OTC
AND COLLISION.

YEAR ENDING	AVERAGE DATE OF WRITING	PROJECTION PERIOD OTC	PROJECTION PERIOD COLL
06/30/18	7/1/17	7.250	7.250
06/30/19	7/1/18	6.250	6.250
06/30/20	7/1/19	5.250	5.250
06/30/21	7/1/20	4.250	4.250
06/30/22	7/1/21	3.250	3.250

VERISK

COLORADO
 AUTOMOBILE LIABILITY INSURANCE - AUTO DEALERS (A)
 DETERMINATION OF STATEWIDE ADVISORY LOSS COST LEVEL CHANGES
 SINGLE LIMIT LIABILITY COVERAGE

	(1)	(2)	(3)	(4)	(5)
ACCIDENT YEAR ENDING	AGGREGATE LOSS COST AT CURRENT LEVEL (B)	\$100,000 INCURRED LOSSES (C)	EXPERIENCE RATIO (2) / (1)	ACCIDENT YEAR WEIGHTS	NUMBER OF INCURRED CLAIMS
06/30/18	\$967,045	\$746,071	0.771	10%	32
06/30/19	\$776,222	\$575,165	0.741	15%	23
06/30/20	\$395,195	\$280,063	0.709	20%	9
06/30/21	\$278,290	\$305,912	1.099	25%	9
06/30/22	\$266,067	\$207,749	0.781	30%	17
(6)	AVERAGE EXPERIENCE RATIO (SUM OF (3)*(4)).				0.839
(7)	EXPECTED EXPERIENCE RATIO (D).				1.319
(8)	CREDIBILITY (E).				0.05
(9)	CREDIBILITY WEIGHTED EXPERIENCE RATIO: ((6) * (8)) + ((7) * (1.000- (8))).				1.295
(10)	INDICATED PERCENTAGE CHANGE IN ADVISORY LOSS COST LEVEL ((9) - 1.000).				29.5%
(11)	FILED CHANGE.				0.0%
(A)	AUTO DEALERS EXPERIENCE IS FOR ALL AUTO DEALERS RISKS WRITTEN IN ACCORDANCE WITH RULE 248 OF THE COMMERCIAL LINES MANUAL, DIVISION 1, AUTOMOBILE.				
(B)	THE AGGREGATE LOSS COST AT CURRENT LEVEL IS CALCULATED BY EXTENDING EXPOSURES BY THE CURRENT LOSS COSTS FROM THE LAST REVISION.				
(C)	LOSSES INCLUDE ALL LOSS ADJUSTMENT EXPENSES FOR BODILY INJURY AND PROPERTY DAMAGE LIABILITY. SEE FOLLOWING PAGE.				
(D)	EXPECTED EXPERIENCE RATIO IS EQUAL TO THE COMBINED TREND FACTOR SHOWN ON THE FOLLOWING PAGE, PROJECTED FOR M YEARS. THE PERIOD M IS EQUAL TO THE NUMBER OF YEARS FROM ONE YEAR BEYOND THE IMPLEMENTATION DATE OF THE LAST REVISION TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSES OF TRENDING, SUBJECT TO A MAXIMUM OF THE N-VALUE CORRESPONDING TO THE LATEST YEAR SHOWN ON THE FOLLOWING PAGE, FOOTNOTE B. IN THIS REVISION, THE PERIOD M IS 3.250 YEAR(S).				
(E)	CREDIBILITY IS BASED ON A 5 YEAR TOTAL OF CLAIMS FOR B.I. AND P.D. SHOWN IN COLUMN (5). THE STANDARD FOR FULL CREDIBILITY IS 11,500 CLAIMS (SEE CREDIBILITY TABLES IN SECTION C).				

VERISK

COLORADO
AUTO DEALERS
AUTOMOBILE LIABILITY INSURANCE
DETERMINATION OF SINGLE LIMIT LOSSES

	ACC. YEAR ENDING	BODILY INJURY	PROPERTY DAMAGE	COMBINED
(1) INCURRED LOSSES AND	06/30/18	\$208,917	\$162,450	
ALLOCATED LOSS	06/30/19	\$114,579	\$184,591	
ADJUSTMENT EXPENSES	06/30/20	\$71,172	\$83,366	
	06/30/21	\$133,247	\$29,068	
	06/30/22	\$39,531	\$63,970	
(2) DEVELOPED LOSSES AND	06/30/18	\$223,832	\$180,046	
ALL LOSS ADJUSTMENT	06/30/19	\$126,054	\$207,441	
EXPENSES (A)	06/30/20	\$83,378	\$95,067	
	06/30/21	\$183,345	\$34,208	
	06/30/22	\$76,623	\$80,724	
(3) SELECTED ANNUAL LOSS TREND (SEE TREND EXHIBIT IN SECTION C)		8.1%	9.7%	8.9%
(4) TRENDED LOSSES AND	06/30/18	\$393,720	\$352,350	\$746,071
ALL LOSS ADJUSTMENT	06/30/19	\$205,090	\$370,075	\$575,165
EXPENSES (B)	06/30/20	\$125,484	\$154,579	\$280,063
	06/30/21	\$255,216	\$50,696	\$305,912
	06/30/22	\$98,690	\$109,058	\$207,749
(A) INCURRED LOSSES AND ALLOCATED LOSS ADJUSTMENT EXPENSES ARE ADJUSTED BY THE FOLLOWING FACTORS:				
1 - UNALLOCATED LOSS ADJUSTMENT FACTORS:		B.I. 1.065	P.D. 1.105	
2 - LOSS DEVELOPMENT FACTORS:				
	YEAR ENDING	B.I.	P.D.	
	06/30/18	1.006	1.003	
	06/30/19	1.033	1.017	
	06/30/20	1.100	1.032	
	06/30/21	1.292	1.065	
	06/30/22	1.820	1.142	

(B) TRENDED LOSSES ARE EQUAL TO $(2) * ((1.0 + (3)) ** N)$, WHERE N IS EQUAL TO THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF ACCIDENT TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 04/01/24 WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING.

YEAR ENDING	AVERAGE DATE OF ACCIDENT	PROJECTION PERIOD
06/30/18	1/1/18	7.250
06/30/19	1/1/19	6.250
06/30/20	1/1/20	5.250
06/30/21	1/1/21	4.250
06/30/22	1/1/22	3.250

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
SINGLE LIMIT LIABILITY

DETERMINATION OF LOSS COST LEVEL CHANGES BY TERRITORY
TRUCKS, TRACTORS, AND TRAILERS (TTT)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
								BASE	BASE	BASE	
T	EARNED CAR	\$100000	EXPER LOSS					CLASS	CLASS	CLASS	ADV
E	YRS YR	UND	COST 5 YRS				INDEX	LOSS	LOSS	LOSS	LOSS
R	ENDED	LOSS	END	EXPER		FORM	(6) TO	COST	COST	COST	COST
R	06/30/2022	COST	06/30/2022	RATIO	CRED	RATIO	STATE	PRES	IND*	REV	CHG**
103	2252	295.25	474.68	1.608	0.10	1.352	1.026	369	422	422	14.4%
104	6707	519.78	695.98	1.339	0.30	1.329	1.008	557	626	626	12.4%
105	27879	159.42	190.32	1.194	0.35	1.279	0.970	203	220	220	8.4%
106	7650	416.04	536.93	1.291	0.25	1.316	0.998	473	526	526	11.2%
110	12186	304.79	439.43	1.442	0.30	1.359	1.031	393	452	452	15.0%
111	8009	676.23	878.47	1.299	0.40	1.314	0.997	655	728	728	11.1%
112	14856	650.78	799.12	1.228	0.50	1.276	0.968	668	721	721	7.9%
113	18253	245.66	383.72	1.562	0.35	1.407	1.068	330	393	393	19.1%
SW	97792	358.52	474.65	1.324		1.318					

* KEYED TO A STATEWIDE LOSS COST CHANGE OF 11.5 PERCENT.

** PERCENTAGE CHANGE IN LOSS COST IS (COL 10/COL 8)

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
SINGLE LIMIT LIABILITY

DETERMINATION OF LOSS COST LEVEL CHANGES BY TERRITORY
PRIVATE PASSENGER TYPES (PPT)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
								BASE	BASE	BASE	
T	EARNED CAR	\$100000	EXPER LOSS					CLASS	CLASS	CLASS	ADV
E	YRS YR	UND	COST 5 YRS				INDEX	LOSS	LOSS	LOSS	LOSS
R	ENDED	LOSS	END	EXPER		FORM	(6) TO	COST	COST	COST	COST
R	06/30/2022	COST	06/30/2022	RATIO	CRED	RATIO	STATE	PRES	IND*	REV	CHG**
103	338	328.37	226.35	0.689	0.05	1.270	0.974	355	404	404	13.8%
104	919	449.43	496.11	1.104	0.05	1.291	0.990	483	559	559	15.7%
105	3956	191.12	276.92	1.449	0.15	1.323	1.015	206	245	245	18.9%
106	1051	337.82	503.68	1.491	0.10	1.320	1.012	360	426	426	18.3%
110	1448	254.99	318.55	1.249	0.10	1.296	0.994	275	320	320	16.4%
111	1670	520.33	680.09	1.307	0.15	1.302	0.998	552	644	644	16.7%
112	2667	436.26	578.67	1.326	0.20	1.306	1.002	457	535	535	17.1%
113	2075	299.62	367.76	1.227	0.10	1.294	0.992	329	382	382	16.1%
SW	14124	329.83	429.11	1.301		1.304					

* KEYED TO A STATEWIDE LOSS COST CHANGE OF 16.9 PERCENT.

** PERCENTAGE CHANGE IN LOSS COST IS (COL 10/COL 8)

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
SINGLE LIMIT LIABILITY

DETERMINATION OF LOSS COST LEVEL CHANGES BY TERRITORY
AUTO DEALERS

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			REV	PRES AUTO				CHANGES IN	BASE	CLASS	
T	TTT ACC-YR		TTT	DEALERS	RATIO TO			TERRITORY	CLASS	LOSS	ADV
E	06/30/2022	AGG LCCL	BASE	BASE	STATEWIDE			RELATIVITY	LOSS	COST	LOSS
R	EARNED	YR ENDED	LOSS	LOSS	AVERAGE COLUMNS	REQ	ADJ		COST	REV**	COST
R	EXPOS	06/30/2022	COST	COST	(3)	(4)	(5) / (6)	1.012	IND*		CHG***
103	2252	6888	422	263	0.927	0.923	1.004	1.016	346	267	1.5%
104	6707	36278	626	400	1.376	1.404	0.980	0.992	514	397	-0.7%
105	27879	49753	220	161	0.484	0.565	0.857	0.867	181	140	-13.0%
106	7650	26171	526	365	1.156	1.281	0.902	0.913	431	333	-8.8%
110	12186	21384	452	266	0.993	0.933	1.064	1.077	371	286	7.5%
111	8009	31679	728	453	1.600	1.589	1.007	1.019	598	462	2.0%
112	14856	67335	721	454	1.585	1.593	0.995	1.007	592	457	0.7%
113	18253	26579	393	202	0.864	0.709	1.219	1.234	323	249	23.3%
SW	97792	266067	455	285			0.988				

* KEYED TO A STATEWIDE LOSS COST CHANGE OF 29.5 PERCENT.

** KEYED TO A STATEWIDE LOSS COST CHANGE OF 0.0 PERCENT.

*** PERCENTAGE CHANGE IN LOSS COST IS (COL 10/COL 4)

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
PHYSICAL DAMAGE - COMPREHENSIVE

DETERMINATION OF LOSS COST LEVEL CHANGES BY TERRITORY
TRUCKS, TRACTORS, AND TRAILERS (TTT)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
								BASE	BASE	BASE	
T	EARNED CAR		EXPER LOSS					CLASS	CLASS	CLASS	ADV
E	YRS YR	UND	COST 5 YRS				INDEX	LOSS	LOSS	LOSS	LOSS
R	ENDED	LOSS	END	EXPER		FORM	(6) TO	COST	COST	COST	COST
R	06/30/2022	COST	06/30/2022	RATIO	CRED	RATIO	STATE	PRES	IND*	REV	CHG**
103	1862	204.83	179.68	0.877	0.10	1.304	0.966	299	391	391	30.8%
104	5798	131.06	217.16	1.657	0.25	1.428	1.058	190	272	272	43.2%
105	17922	101.66	121.75	1.198	0.40	1.290	0.956	142	184	184	29.6%
106	6324	124.34	196.55	1.581	0.25	1.409	1.044	169	239	239	41.4%
110	8849	97.73	153.26	1.568	0.25	1.405	1.041	138	194	194	40.6%
111	7288	122.36	208.68	1.705	0.30	1.457	1.079	157	229	229	45.9%
112	13231	130.28	185.59	1.425	0.40	1.381	1.023	172	238	238	38.4%
113	9158	186.77	188.96	1.012	0.30	1.249	0.925	265	332	332	25.3%
SW	70432	126.94	171.54	1.351		1.350					

* KEYED TO A STATEWIDE LOSS COST CHANGE OF 35.3 PERCENT.

** PERCENTAGE CHANGE IN LOSS COST IS (COL 10/COL 8)

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
PHYSICAL DAMAGE - COLLISION

DETERMINATION OF LOSS COST LEVEL CHANGES BY TERRITORY
TRUCKS, TRACTORS, AND TRAILERS (TTT)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
								BASE	BASE	BASE	
T	EARNED CAR		EXPER LOSS					CLASS	CLASS	CLASS	ADV
E	YRS YR	UND	COST 5 YRS				INDEX	LOSS	LOSS	LOSS	LOSS
R	ENDED	LOSS	END	EXPER		FORM	(6) TO	COST	COST	COST	COST
R	06/30/2022	COST	06/30/2022	RATIO	CRED	RATIO	STATE	PRES	IND*	REV**	CHG***
103	2100	162.62	213.90	1.315	0.15	1.686	0.961	292	443	421	44.2%
104	6614	152.15	279.95	1.840	0.35	1.782	1.016	275	441	419	52.4%
105	19321	142.27	255.70	1.797	0.60	1.779	1.014	254	406	386	52.0%
106	6927	160.03	292.56	1.828	0.35	1.778	1.014	251	402	382	52.2%
110	9545	164.78	293.95	1.784	0.40	1.764	1.006	286	454	432	51.0%
111	8015	197.19	379.38	1.924	0.45	1.829	1.043	296	487	463	56.4%
112	14047	199.83	341.52	1.709	0.60	1.726	0.984	328	509	484	47.6%
113	10275	165.82	254.70	1.536	0.40	1.665	0.949	281	421	400	42.3%
SW	76844	167.47	293.17	1.751		1.754					

* KEYED TO A STATEWIDE LOSS COST CHANGE OF 57.8 PERCENT.

** KEYED TO A STATEWIDE LOSS COST CHANGE OF 50.0 PERCENT.

*** PERCENTAGE CHANGE IN LOSS COST IS (COL 10/COL 8)

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
PHYSICAL DAMAGE - COMPREHENSIVE

DETERMINATION OF LOSS COST LEVEL CHANGES BY TERRITORY
PRIVATE PASSENGER TYPES (PPT)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
								BASE	BASE	BASE	
T	EARNED CAR		EXPER LOSS					CLASS	CLASS	CLASS	ADV
E	YRS YR	UND	COST 5 YRS				INDEX	LOSS	LOSS	LOSS	LOSS
R	ENDED	LOSS	END	EXPER		FORM	(6) TO	COST	COST	COST	COST
R	06/30/2022	COST	06/30/2022	RATIO	CRED	RATIO	STATE	PRES	IND*	REV	CHG**
103	215	228.47	343.76	1.505	0.05	1.320	1.011	267	329	329	23.2%
104	696	205.23	232.17	1.131	0.15	1.283	0.982	246	295	295	19.9%
105	2363	148.02	150.23	1.015	0.25	1.236	0.946	176	203	203	15.3%
106	836	127.88	211.61	1.655	0.15	1.362	1.043	148	188	188	27.0%
110	1064	164.51	238.30	1.449	0.15	1.331	1.019	201	250	250	24.4%
111	1693	158.25	229.14	1.448	0.20	1.338	1.025	172	215	215	25.0%
112	2287	191.13	251.63	1.317	0.25	1.312	1.005	210	257	257	22.4%
113	1115	219.53	303.54	1.383	0.20	1.325	1.015	254	314	314	23.6%
SW	10269	172.70	226.20	1.310		1.306					

* KEYED TO A STATEWIDE LOSS COST CHANGE OF 22.0 PERCENT.

** PERCENTAGE CHANGE IN LOSS COST IS (COL 10/COL 8)

VERISK

COLORADO
COMMERCIAL AUTOMOBILE INSURANCE
PHYSICAL DAMAGE - COLLISION

DETERMINATION OF LOSS COST LEVEL CHANGES BY TERRITORY
PRIVATE PASSENGER TYPES (PPT)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
								BASE	BASE	BASE	
T	EARNED CAR		EXPER LOSS					CLASS	CLASS	CLASS	ADV
E	YRS YR	UND	COST 5 YRS				INDEX	LOSS	LOSS	LOSS	LOSS
R	ENDED	LOSS	END	EXPER		FORM	(6) TO	COST	COST	COST	COST
R	06/30/2022	COST	06/30/2022	RATIO	CRED	RATIO	STATE	PRES	IND*	REV	CHG**
103	244	211.69	240.01	1.134	0.10	1.487	0.973	322	435	435	35.1%
104	671	277.16	411.38	1.484	0.20	1.518	0.993	389	537	537	38.0%
105	2342	240.65	294.30	1.223	0.35	1.420	0.929	349	451	451	29.2%
106	802	260.33	525.09	2.017	0.20	1.624	1.062	351	518	518	47.6%
110	1014	190.42	336.77	1.769	0.20	1.575	1.030	263	377	377	43.3%
111	1577	336.67	557.43	1.656	0.35	1.572	1.028	425	607	607	42.8%
112	2262	288.50	485.55	1.683	0.40	1.589	1.039	385	556	556	44.4%
113	1103	241.71	259.39	1.073	0.20	1.435	0.939	336	438	438	30.4%
SW	10015	264.92	404.39	1.526		1.529					

* KEYED TO A STATEWIDE LOSS COST CHANGE OF 39.0 PERCENT.

** PERCENTAGE CHANGE IN LOSS COST IS (COL 10/COL 8)

VERISK

COMMERCIAL AUTOMOBILE LIABILITY INSURANCE
MULTISTATE LOSS ADJUSTMENT EXPENSE EXPERIENCE

Calendar Year

Development of Unallocated Loss Adjustment Expense Factor

		<u>Bodily Injury</u> (000's)					3 YR. <u>AVG</u>	5 YR. <u>AVG</u>
	<u>ITEM</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>		
(1)	Direct Losses Incurred	7,654,798	8,320,652	9,035,311	9,595,965	9,310,024		
(2)	Allocated Loss Adjustment Expenses Incurred	815,413	817,565	931,597	1,024,716	1,155,067		
(3)	Unallocated Loss Adjustment Expense Incurred	610,792	635,032	651,984	644,310	494,093		
(4)	Unallocated LAE as a Ratio to Losses + Allocated LAE (3)/[(1)+(2)]	7.2%	6.9%	6.5%	6.1%	4.7%	5.8%	6.3%
(5)	Selected Factor							6.5%

		<u>Property Damage</u> (000's)					3 YR. <u>AVG</u>	5 YR. <u>AVG</u>
	<u>ITEM</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>		
(1)	Direct Losses Incurred	1,375,898	1,573,076	1,541,286	1,035,696	1,393,223		
(2)	Allocated Loss Adjustment Expenses Incurred	72,662	93,266	84,944	42,405	67,250		
(3)	Unallocated Loss Adjustment Expense Incurred	176,501	179,938	159,014	151,025	139,662		
(4)	Unallocated LAE as a Ratio to Losses + Allocated LAE (3)/[(1)+(2)]	12.2%	10.8%	9.8%	14.0%	9.6%	11.1%	11.3%
(5)	Selected Factor							10.5%

All items are from Special Call Submission for available writers.

VERISK

COMMERCIAL AUTOMOBILE PHYSICAL DAMAGE INSURANCE
MULTISTATE LOSS ADJUSTMENT EXPENSE EXPERIENCE

Calendar Year

Development of Factor to Include all Loss Adjustment Expenses

		(000's)					3 YR.	5 YR.
		<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>AVG</u>	<u>AVG</u>
(1)	ITEM Direct Losses Incurred	5,440,605	5,512,801	5,741,885	5,199,307	6,427,285		
(2)	Loss Adjustment Expenses Incurred	701,565	713,364	735,418	662,147	754,274		
(3)	Losses + LAE Incurred as Ratio to Losses Incurred [(1)+(2)]/(1)	1.129	1.129	1.128	1.127	1.117	1.124	1.126
(4)	Selected							1.125

Items (1) and (2) are from the Insurance Expense Exhibits for agency and direct writers.

VERISK

COMMERCIAL AUTO LIABILITY
DETERMINATION OF FACTORS TO ADJUST ACCIDENT YEAR
LOSS RATIOS FOR SUBSEQUENT CHANGES

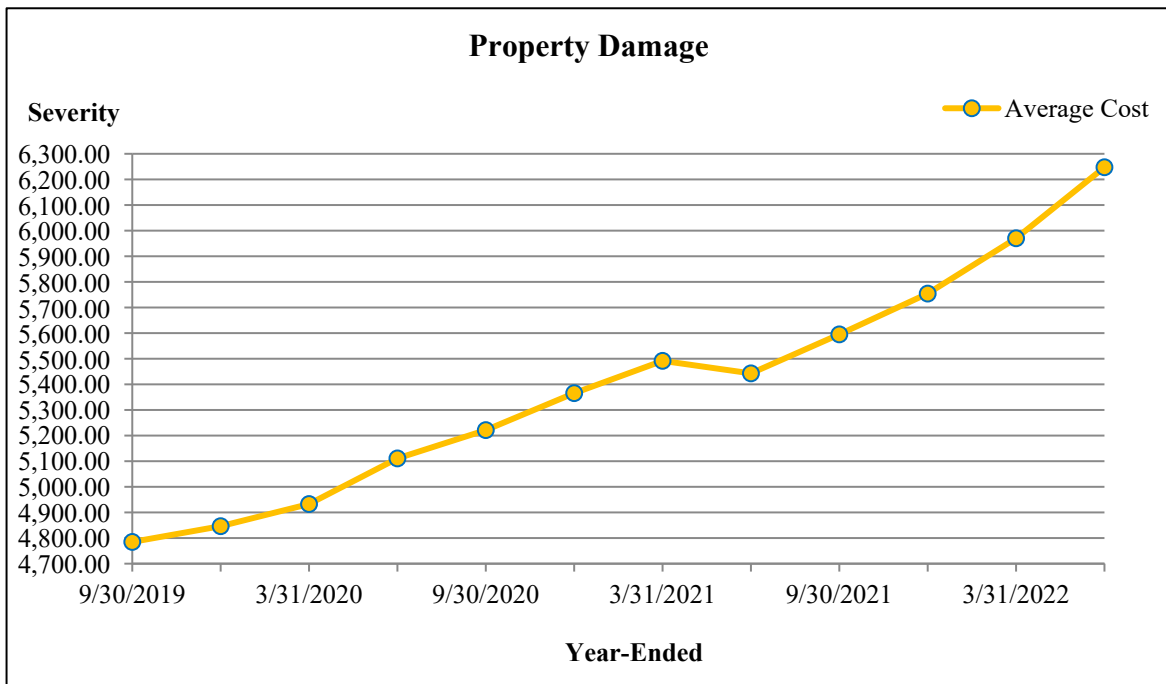
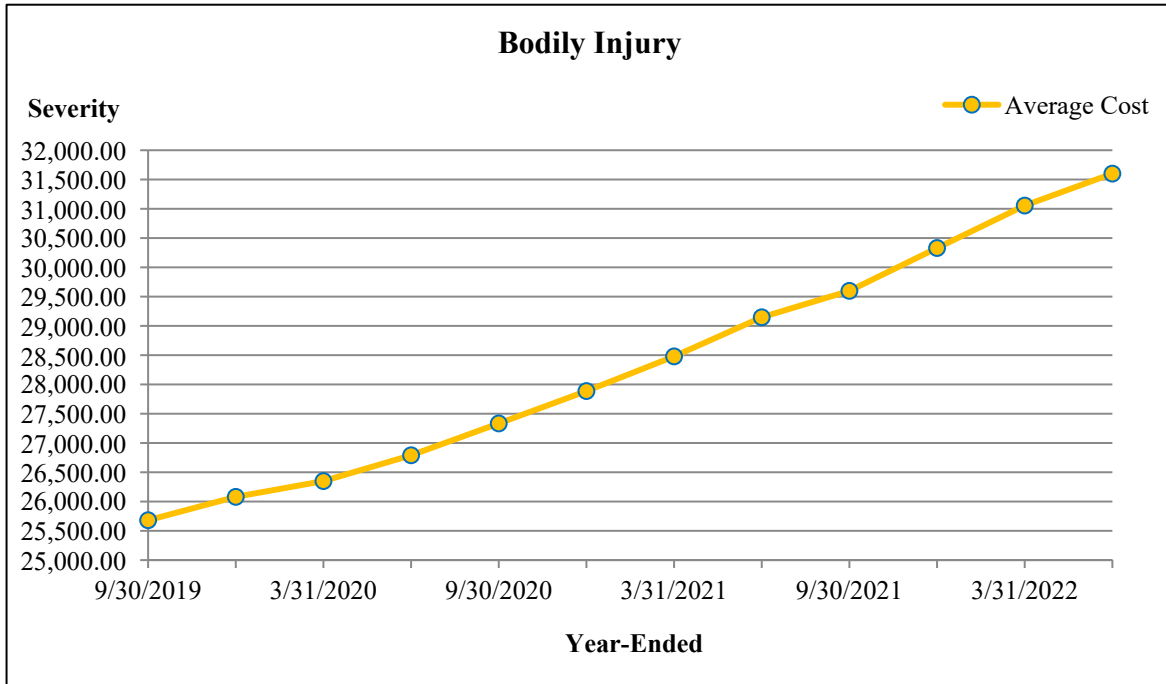
AVERAGE PAID CLAIM COST DATA

YEAR ENDED	COLORADO				MULTISTATE*			
	BODILY INJURY (\$100000 LIMITS)		PROPERTY DAMAGE (\$100000 LIMITS)		BODILY INJURY (\$100000 LIMITS)		PROPERTY DAMAGE (\$100000 LIMITS)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	ACTUAL	EXPONENTIAL FIT	ACTUAL	EXPONENTIAL FIT	ACTUAL	EXPONENTIAL FIT	ACTUAL	EXPONENTIAL FIT
9/30/2019	25494.67	24490.32	4718.95	4758.01	25681.06	25432.38	4784.83	4748.66
12/31/2019	24747.71	25236.21	4950.72	4879.72	26080.17	25930.72	4846.28	4857.65
3/31/2020	24949.58	26004.82	5006.34	5004.55	26349.29	26438.83	4932.75	4969.14
6/30/2020	26565.54	26796.83	5231.81	5132.57	26790.16	26956.89	5110.85	5083.19
9/30/2020	27407.45	27612.97	5233.54	5263.86	27334.17	27485.10	5221.35	5199.86
12/31/2020	29488.94	28453.97	5251.02	5398.52	27886.91	28023.67	5365.64	5319.21
3/31/2021	29934.10	29320.58	5501.42	5536.62	28479.12	28572.78	5491.75	5441.29
6/30/2021	30782.99	30213.58	5619.86	5678.25	29147.18	29132.66	5442.86	5566.18
9/30/2021	30105.85	31133.78	5897.24	5823.50	29598.42	29703.51	5595.07	5693.93
12/31/2021	31035.00	32082.01	6024.14	5972.47	30329.99	30285.54	5754.29	5824.62
3/31/2022	33805.40	33059.12	6215.88	6125.25	31054.96	30878.98	5970.20	5958.30
6/30/2022	34279.34	34065.98	6210.72	6281.94	31600.68	31484.04	6247.50	6095.05
					BODILY INJURY		PROPERTY DAMAGE	
(9)	AVERAGE ANNUAL PERCENT CHANGE IN PAID CLAIM COST (12TH POINT / 8TH POINT)							
	(A) COLORADO				12.8%		10.6%	
	(B) MULTISTATE				8.1%		9.5%	
(10)	CREDIBILITY				0.00		0.20	
(11)	WEIGHTED AVERAGE ANNUAL PERCENT CHANGE IN PAID CLAIM COSTS { (10) * (9A) } + { (1.0 - (10)) * (9B) }				8.1%		9.7%	
(12)	SELECTED ANNUAL PERCENT CHANGE IN CLAIM FREQUENCY				0.0%		0.0%	
(13)	AVERAGE ANNUAL PERCENT CHANGE IN LIABILITY LOSS RATIO (11) * (12)				8.1%		9.7%	

* EXCLUDES MASSACHUSETTS

VERISK

Commercial Automobile Liability
Average Paid Claim Cost Experience
Multistate*



*Excludes Massachusetts

VERISK

COMMERCIAL AUTO LIABILITY
INCURRED CLAIM FREQUENCY

MULTISTATE*

TRUCKS, TRACTORS, AND TRAILERS

<u>YEAR</u>	<u>BODILY INJURY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	<u>PROPERTY DAMAGE</u>
<u>ENDING</u>	<u>ACTUAL</u>	<u>ACTUAL CHANGE@</u>	<u>ACTUAL</u>	<u>ACTUAL CHANGE@</u>
6/30/2016	0.7673		2.7301	
9/30/2016	0.7723		2.7280	
12/31/2016	0.7736		2.7152	
3/31/2017	0.7756		2.6955	
6/30/2017	0.7862	2.5% &	2.6927	-1.4% &
9/30/2017	0.7859		2.6734	
12/31/2017	0.7856		2.6733	
3/31/2018	0.7887	1.7%	2.6907	-0.2%
6/30/2018	0.7872		2.7054	
9/30/2018	0.7853		2.7085	
12/31/2018	0.7850		2.7155	
3/31/2019	0.7808	-1.0%	2.7106	0.7%
6/30/2019	0.7754		2.6754	
9/30/2019	0.7761		2.6734	
12/31/2019	0.7712		2.6444	
3/31/2020	0.7430	-4.8%	2.5289	-6.7%
6/30/2020	0.6649		2.2872	
9/30/2020	0.6189		2.1234	
12/31/2020	0.5710		1.9881	
3/31/2021	0.5515	-25.8%	1.9415	-23.2%
6/30/2021	0.5893		2.0496	
9/30/2021	0.5852		2.0480	
12/31/2021	0.5827		2.0302	
3/31/2022	0.5900	7.0%	2.0179	3.9%

* EXCLUDES MASSACHUSETTS

@ CHANGE BASED ON YEARS ENDING 3/31/XXXX

& CHANGE BASED ON YEAR ENDING 6/30/2017 divided by 6/30/2016

VERISK

COMMERCIAL AUTO LIABILITY
INCURRED CLAIM FREQUENCY

MULTISTATE*

PRIVATE PASSENGER TYPES

<u>YEAR</u>	<u>BODILY INJURY</u>	<u>BODILY INJURY</u>	<u>PROPERTY DAMAGE</u>	<u>PROPERTY DAMAGE</u>
<u>ENDING</u>	<u>ACTUAL</u>	<u>ACTUAL CHANGE@</u>	<u>ACTUAL</u>	<u>ACTUAL CHANGE@</u>
6/30/2016	0.7672		2.9360	
9/30/2016	0.7863		2.9394	
12/31/2016	0.7781		2.9279	
3/31/2017	0.7710		2.8656	
6/30/2017	0.7743	0.9% &	2.8450	-3.1% &
9/30/2017	0.7571		2.7682	
12/31/2017	0.7596		2.7524	
3/31/2018	0.7795	1.1%	2.7762	-3.1%
6/30/2018	0.7854		2.7217	
9/30/2018	0.7773		2.7107	
12/31/2018	0.7738		2.6719	
3/31/2019	0.7503	-3.7%	2.6255	-5.4%
6/30/2019	0.7320		2.5977	
9/30/2019	0.7163		2.5528	
12/31/2019	0.7123		2.4946	
3/31/2020	0.6803	-9.3%	2.3838	-9.2%
6/30/2020	0.5911		2.0816	
9/30/2020	0.5523		1.8825	
12/31/2020	0.4884		1.6589	
3/31/2021	0.4705	-30.8%	1.5374	-35.5%
6/30/2021	0.5234		1.6880	
9/30/2021	0.5396		1.7112	
12/31/2021	0.5399		1.7640	
3/31/2022	0.5479	16.5%	1.7953	16.8%

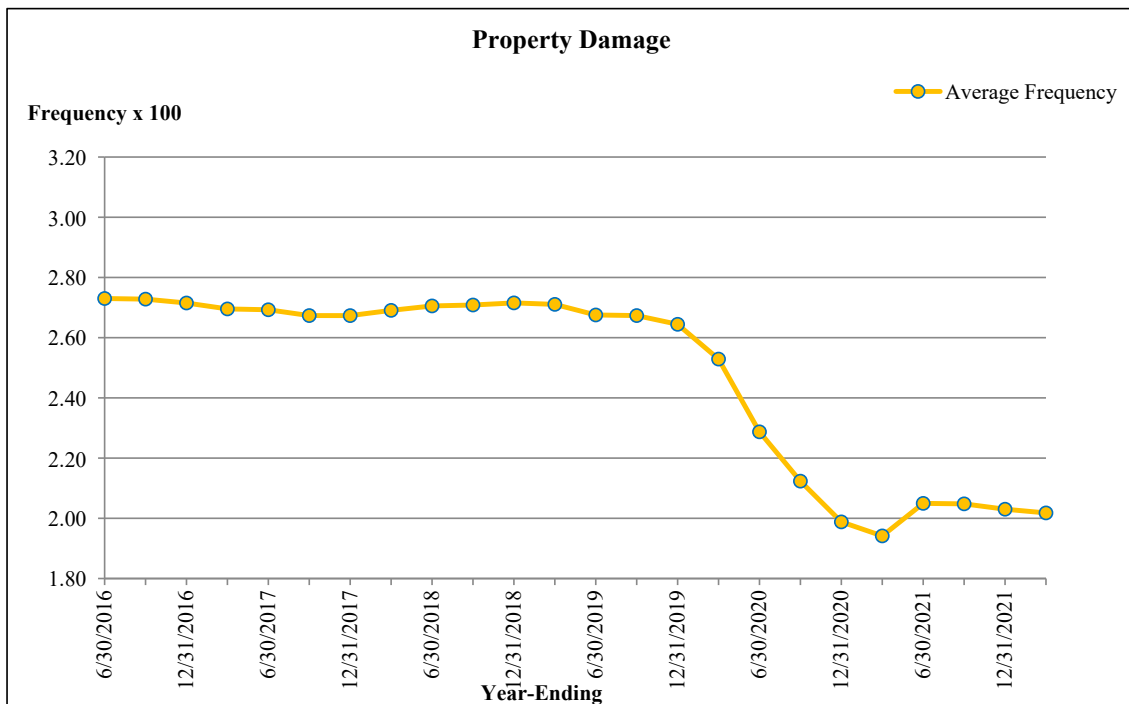
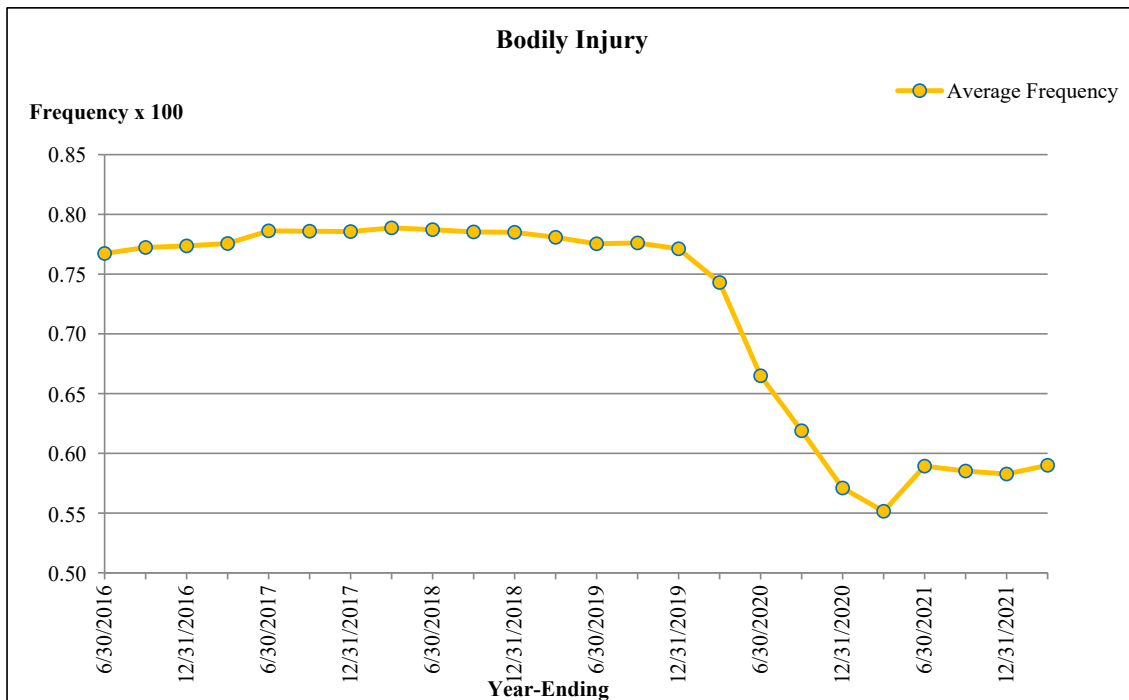
* EXCLUDES MASSACHUSETTS

@ CHANGE BASED ON YEARS ENDING 3/31/XXXX

& CHANGE BASED ON YEAR ENDING 6/30/2017 divided by 6/30/2016

VERISK

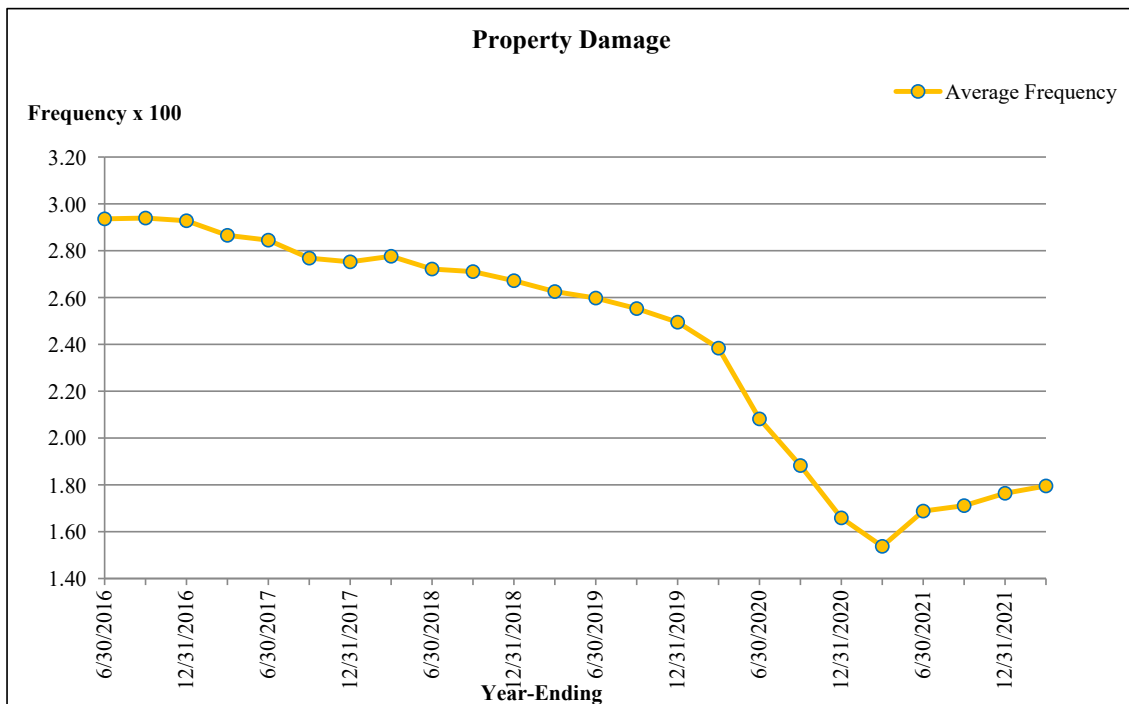
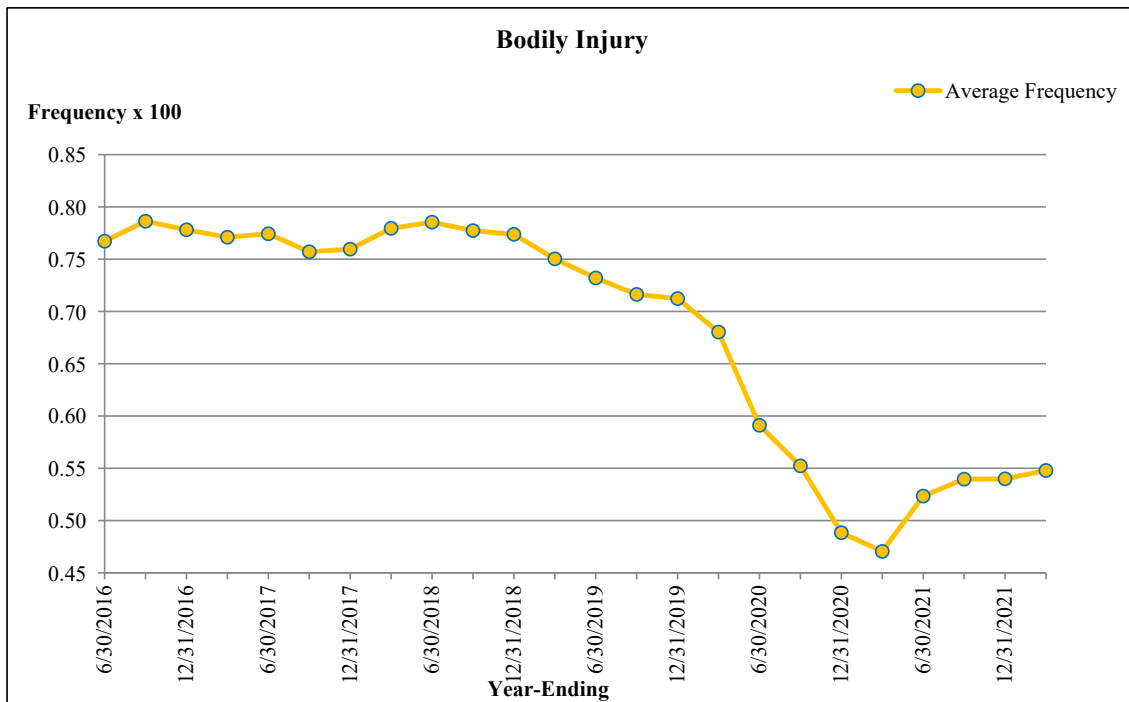
Commercial Automobile Liability
Incurred Claim Frequency Experience
Trucks, Tractors, and Trailers
Multistate*



*Excludes Massachusetts

VERISK

Commercial Automobile Liability
Incurred Claim Frequency Experience
Private Passenger Types
Multistate*



*Excludes Massachusetts

VERISK

Multistate*
Trucks, Tractors & Trailers
Liability
Premium Trend Calculation

Companies Not Reporting Age Code X Data

Year Ending:	Average Rating Factor
--------------	-----------------------

6/30/2020	1.040
12/31/2020	1.022
6/30/2021	1.008
12/31/2021	1.004
6/30/2022	1.010

Exponential Trend (Average Annual Change)

5 Points	-1.5%
4 Points	-0.8%
3 Points	0.2%

* Excludes Massachusetts

VERISK

Multistate*
Trucks, Tractors & Trailers
Liability
Premium Trend Calculation

All Companies
Excluding 11th Preceding Model Year and Older Data

Year Ending:	Average Rating Factor
--------------	-----------------------

12/31/2017	1.091
6/30/2018	1.097
12/31/2018	1.104
6/30/2019	1.110
12/31/2019	1.115
6/30/2020	1.119
12/31/2020	1.121
6/30/2021	1.122
12/31/2021	1.123
6/30/2022	1.125

Exponential Trend (Average Annual Change)

9 Points	0.6%
7 Points	0.4%
5 Points	0.2%

Selected Annual Premium Trend:	0.2%
--------------------------------	------

* Excludes Massachusetts

VERISK

Multistate*
 Private Passenger Types
 Liability
 Premium Trend Calculation

Companies Not Reporting Age Code X Data

Year Ending:	Average Rating Factor
--------------	-----------------------

6/30/2019	0.993
12/31/2019	0.993
6/30/2020	0.992
12/31/2020	0.991
6/30/2021	0.989
12/31/2021	0.987
6/30/2022	0.985

Exponential Trend (Average Annual Change)

7 Points	-0.3%
6 Points	-0.3%
5 Points	-0.4%

* Excludes Massachusetts

VERISK

Multistate*
Private Passenger Types
Liability
Premium Trend Calculation

All Companies
Excluding 11th Preceding Model Year and Older Data

Year Ending:	Average Rating Factor
12/31/2017	0.999
6/30/2018	0.999
12/31/2018	1.000
6/30/2019	1.001
12/31/2019	1.001
6/30/2020	1.002
12/31/2020	1.003
6/30/2021	1.002
12/31/2021	1.000
6/30/2022	0.999

Exponential Trend (Average Annual Change)

9 Points	0.0%
7 Points	-0.1%
5 Points	-0.2%

Selected Annual Premium Trend: 0.0%

* Excludes Massachusetts

VERISK

Multistate*
Trucks, Tractors & Trailers Physical Damage
Other Than Collision

Frequency (expressed as claims per 100 exposures)

	\$500 Deductible		\$1,000 Deductible		\$2,000 Deductible	
Year Ending:	Value	Change**	Value	Change**	Value	Change**
9/30/2017	1.15		0.72		0.54	
12/31/2017	1.18		0.75		0.57	
3/31/2018	1.23		0.77		0.58	
6/30/2018	1.27		0.79		0.59	
9/30/2018	1.30		0.81		0.60	
12/31/2018	1.34	13.6%	0.83	10.7%	0.61	7.0%
3/31/2019	1.37		0.84		0.62	
6/30/2019	1.40	10.2%	0.85	7.6%	0.63	6.8%
9/30/2019	1.42		0.86		0.64	
12/31/2019	1.42	6.0%	0.86	3.6%	0.63	3.3%
3/31/2020	1.40		0.85		0.62	
6/30/2020	1.36	-2.9%	0.83	-2.4%	0.61	-3.2%
9/30/2020	1.36		0.83		0.61	
12/31/2020	1.36	-4.2%	0.83	-3.5%	0.60	-4.8%
3/31/2021	1.41		0.85		0.60	
6/30/2021	1.48	8.8%	0.88	6.0%	0.62	1.6%
9/30/2021	1.49		0.88		0.62	
12/31/2021	1.49	9.6%	0.87	4.8%	0.62	3.3%
3/31/2022	1.50		0.87		0.62	
6/30/2022	1.48	0.0%	0.86	-2.3%	0.62	0.0%

Volume*** of losses for the most recent year by deductible:

Deductible:	Percent of Losses
Full	0.7%
\$50	0.3%
\$100	2.0%
\$200	0.3%
\$250	7.2%
\$500	28.6%
\$1,000	49.1%
\$2,000	5.9%
\$3,000	2.3%
\$5,000	3.5%

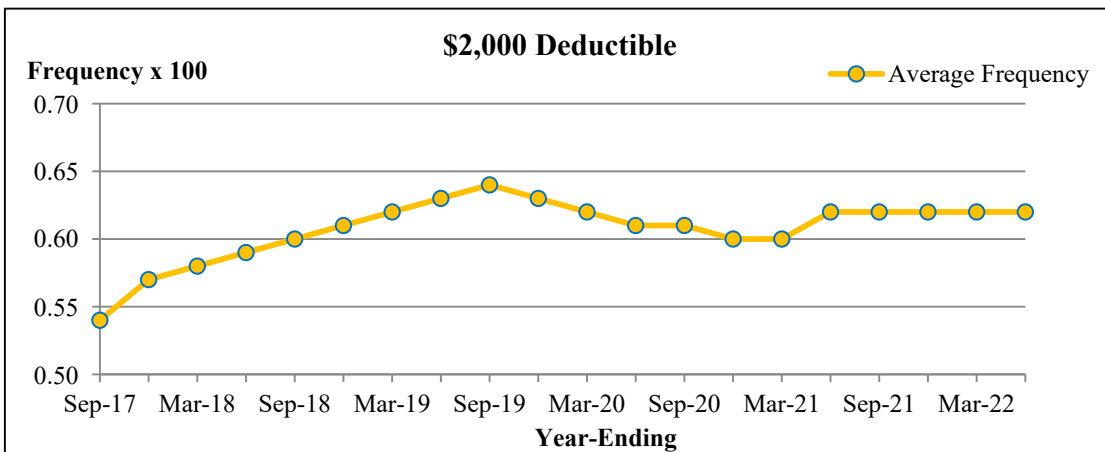
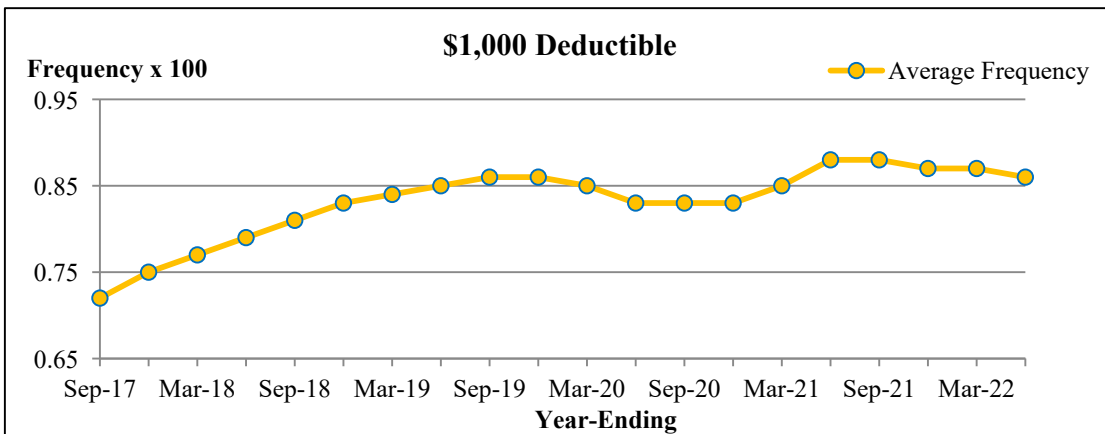
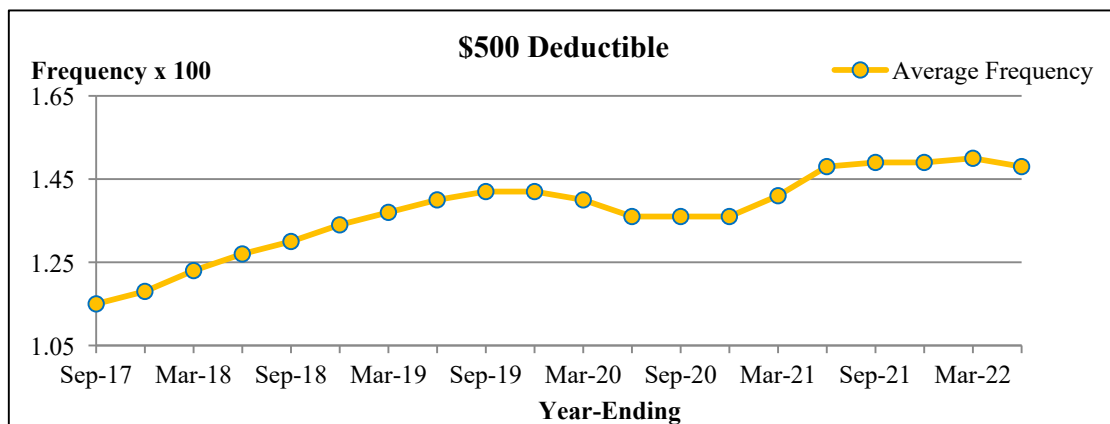
* Multistate data excludes Massachusetts

** Change based on years ending 12/31/xxx and 06/30/xxxx

*** Deductibles above \$2,000, totaling 5.8% of losses, are excluded from the trend calculations.

VERISK

Commercial Automobile
Trucks, Tractors & Trailers Physical Damage
Other Than Collision Frequency Trend
Multistate*



*Excludes Massachusetts

Selected Other Than Collision Frequency Trend Factor: 0.0%

VERISK

Multistate*
Trucks, Tractors & Trailers Physical Damage
Other Than Collision

Severity Trend

	\$500 Deductible	\$1,000 Deductible	\$2,000 Deductible
Year Ending:	Value	Value	Value
9/30/2017	2,596.95	3,956.56	4,607.46
12/31/2017	2,691.86	4,026.89	4,671.34
3/31/2018	2,716.88	4,080.87	4,750.32
6/30/2018	2,727.20	4,173.96	4,932.25
9/30/2018	2,694.84	4,170.11	4,985.60
12/31/2018	2,768.09	4,324.50	5,193.23
3/31/2019	2,783.91	4,367.99	5,295.20
6/30/2019	2,818.65	4,423.74	5,338.15
9/30/2019	2,854.53	4,500.67	5,395.15
12/31/2019	2,852.42	4,586.14	5,542.40
3/31/2020	2,881.64	4,546.84	5,432.55
6/30/2020	2,912.43	4,580.27	5,507.74
9/30/2020	2,935.76	4,593.32	5,526.56
12/31/2020	3,027.34	4,638.01	5,570.60
3/31/2021	3,073.94	4,721.47	5,740.94
6/30/2021	3,143.56	4,788.93	5,798.49
9/30/2021	3,327.53	4,963.23	6,042.08
12/31/2021	3,452.46	5,158.23	6,272.57
3/31/2022	3,607.73	5,448.32	6,568.94
6/30/2022	3,697.11	5,577.93	6,715.59

Average Annual Change Using Exponential Fits:

20 point fit:	6.6%	6.3%	7.1%
16 point fit:	8.1%	6.6%	6.8%
12 point fit:	10.5%	7.8%	8.1%

Selected severity trend:	8.0%
Selected frequency trend:	0.0%
Selected pure premium trend:	8.0%

* Multistate data excludes Massachusetts

VERISK

Multistate*
Trucks, Tractors & Trailers Physical Damage
Collision

Frequency (expressed as claims per 100 exposures)

	\$500 Deductible		\$1,000 Deductible		\$2,000 Deductible	
Year Ending:	Value	Change**	Value	Change**	Value	Change**
9/30/2017	2.20		1.93		1.58	
12/31/2017	2.20		1.94		1.59	
3/31/2018	2.22		1.97		1.62	
6/30/2018	2.23		2.00		1.65	
9/30/2018	2.26		2.03		1.67	
12/31/2018	2.26	2.7%	2.02	4.1%	1.67	5.0%
3/31/2019	2.27		2.03		1.67	
6/30/2019	2.27	1.8%	2.03	1.5%	1.67	1.2%
9/30/2019	2.28		2.03		1.67	
12/31/2019	2.28	0.9%	2.04	1.0%	1.68	0.6%
3/31/2020	2.18		1.94		1.61	
6/30/2020	2.03	-10.6%	1.80	-11.3%	1.49	-10.8%
9/30/2020	1.95		1.71		1.43	
12/31/2020	1.88	-17.5%	1.65	-19.1%	1.38	-17.9%
3/31/2021	1.91		1.67		1.41	
6/30/2021	2.01	-1.0%	1.77	-1.7%	1.49	0.0%
9/30/2021	2.04		1.81		1.53	
12/31/2021	2.06	9.6%	1.84	11.5%	1.56	13.0%
3/31/2022	2.05		1.86		1.59	
6/30/2022	2.03	1.0%	1.85	4.5%	1.59	6.7%

Volume*** of losses for the most recent year by deductible:

Deductible:	Percent of Losses
\$100	0.1%
\$200	0.0%
\$250	0.8%
\$500	25.9%
\$1,000	57.3%
\$2,000	7.6%
\$3,000	2.4%
\$5,000	5.9%

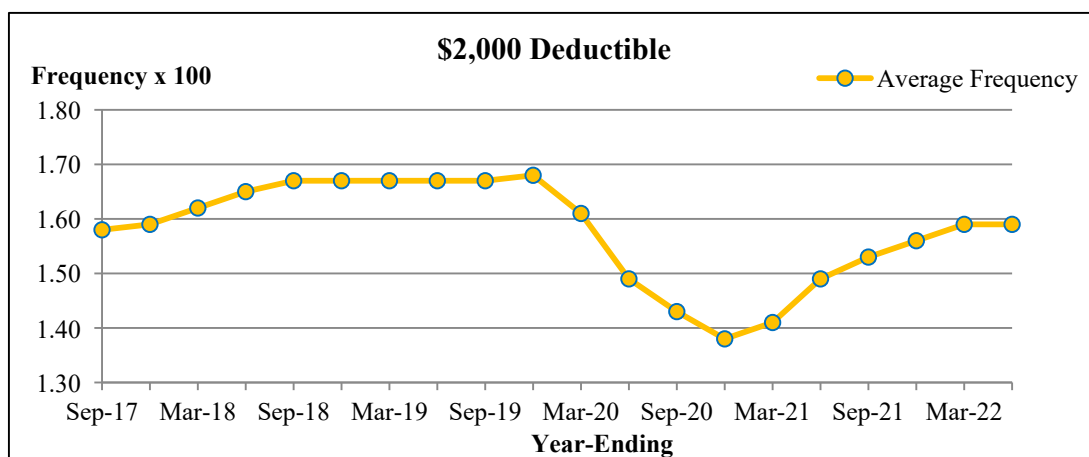
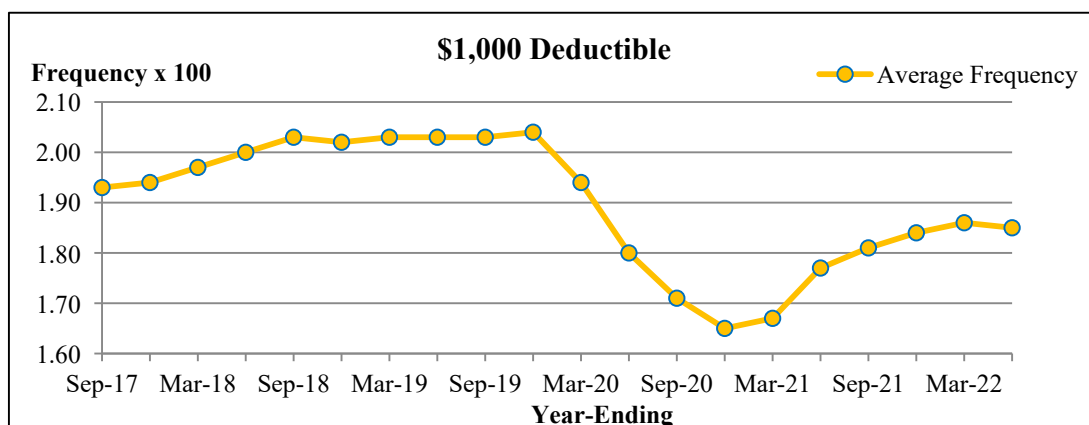
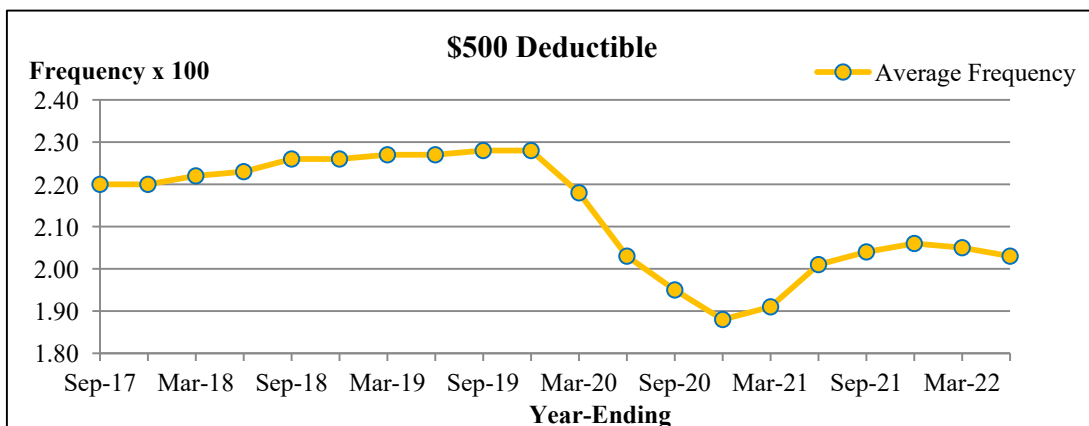
* Multistate data excludes Massachusetts

** Change based on years ending 12/31/xxx and 06/30/xxxx

*** Deductibles above \$2,000, totaling 8.3% of losses, are excluded from trend calculations.

VERISK

Commercial Automobile
Trucks, Tractors & Trailers Physical Damage
Collision Frequency Trend
Multistate*



*Excludes Massachusetts

Selected Collision Frequency Trend Factor: 0.0%

VERISK

Multistate*
Trucks, Tractors & Trailers Physical Damage
Collision

Severity Trend

	\$500 Deductible	\$1,000 Deductible	\$2,000 Deductible
Year Ending:	Value	Value	Value
9/30/2017	5,273.43	6,014.34	6,408.46
12/31/2017	5,333.30	6,064.54	6,449.23
3/31/2018	5,398.20	6,158.38	6,542.40
6/30/2018	5,450.30	6,199.89	6,597.73
9/30/2018	5,533.26	6,292.92	6,684.01
12/31/2018	5,554.71	6,371.01	6,782.57
3/31/2019	5,643.50	6,452.65	6,903.29
6/30/2019	5,727.59	6,593.83	7,061.44
9/30/2019	5,733.81	6,615.28	7,097.69
12/31/2019	5,791.11	6,670.97	7,154.66
3/31/2020	5,820.96	6,754.65	7,242.05
6/30/2020	5,843.60	6,787.46	7,252.83
9/30/2020	5,877.23	6,931.58	7,394.90
12/31/2020	5,986.93	7,093.92	7,582.36
3/31/2021	6,116.51	7,226.57	7,690.10
6/30/2021	6,337.59	7,462.84	7,956.56
9/30/2021	6,698.43	7,805.47	8,346.81
12/31/2021	7,113.44	8,244.15	8,797.46
3/31/2022	7,523.78	8,712.89	9,295.45
6/30/2022	8,001.37	9,109.11	9,685.36

Average Annual Change Using Exponential Fits:

20 point fit:	7.3%	7.9%	8.0%
16 point fit:	8.9%	9.4%	9.3%
12 point fit:	12.4%	12.2%	12.0%

Selected severity trend:	10.0%
Selected frequency trend:	0.0%
Selected pure premium trend:	10.0%

* Multistate data excludes Massachusetts

VERISK

Multistate*
Private Passenger Types Physical Damage
Other Than Collision

Frequency (expressed as claims per 100 exposures)

	\$500 Deductible		\$1,000 Deductible		\$2,000 Deductible	
Year Ending:	Value	Change**	Value	Change**	Value	Change**
9/30/2017	2.84		1.76		1.16	
12/31/2017	2.89		1.81		1.19	
3/31/2018	2.96		1.84		1.20	
6/30/2018	3.06		1.89		1.24	
9/30/2018	3.15		1.94		1.25	
12/31/2018	3.24	12.1%	1.97	8.8%	1.27	6.7%
3/31/2019	3.35		2.04		1.31	
6/30/2019	3.42	11.8%	2.10	11.1%	1.35	8.9%
9/30/2019	3.48		2.15		1.38	
12/31/2019	3.48	7.4%	2.15	9.1%	1.37	7.9%
3/31/2020	3.36		2.08		1.34	
6/30/2020	3.09	-9.6%	1.93	-8.1%	1.24	-8.1%
9/30/2020	3.01		1.89		1.24	
12/31/2020	2.92	-16.1%	1.84	-14.4%	1.21	-11.7%
3/31/2021	3.02		1.89		1.21	
6/30/2021	3.34	8.1%	2.06	6.7%	1.30	4.8%
9/30/2021	3.45		2.12		1.32	
12/31/2021	3.54	21.2%	2.16	17.4%	1.35	11.6%
3/31/2022	3.61		2.19		1.37	
6/30/2022	3.53	5.7%	2.17	5.3%	1.37	5.4%

Volume*** of losses for the most recent year by deductible:

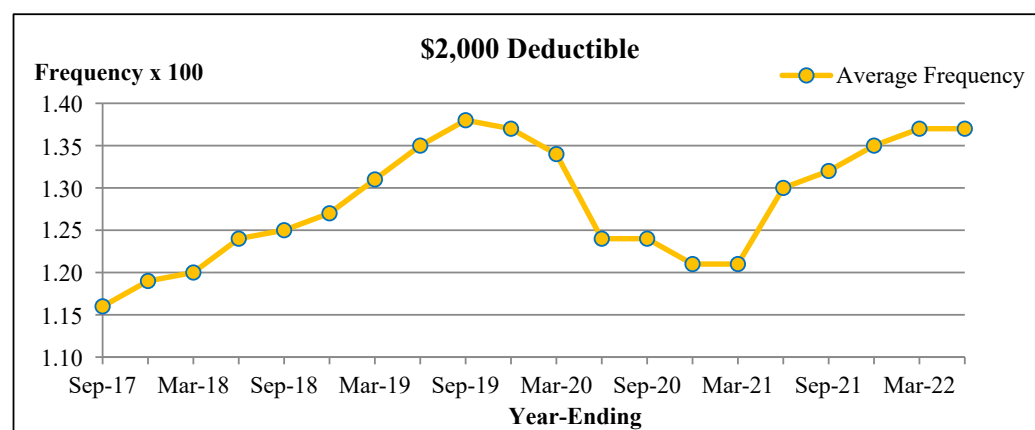
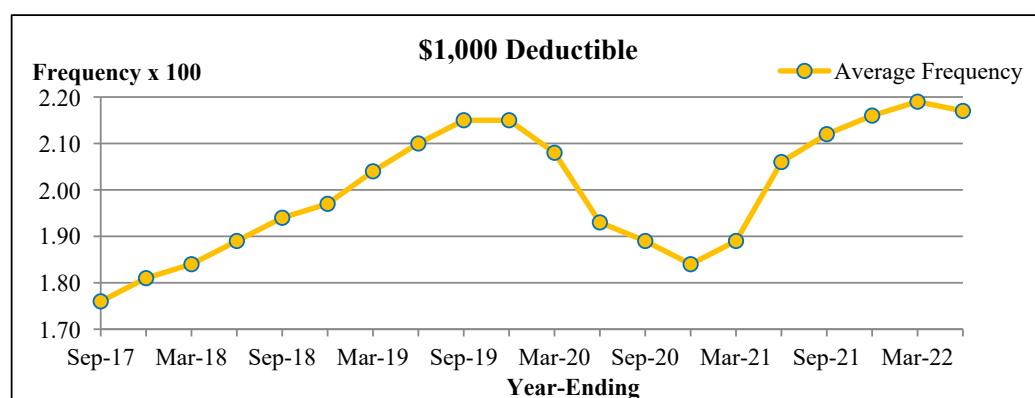
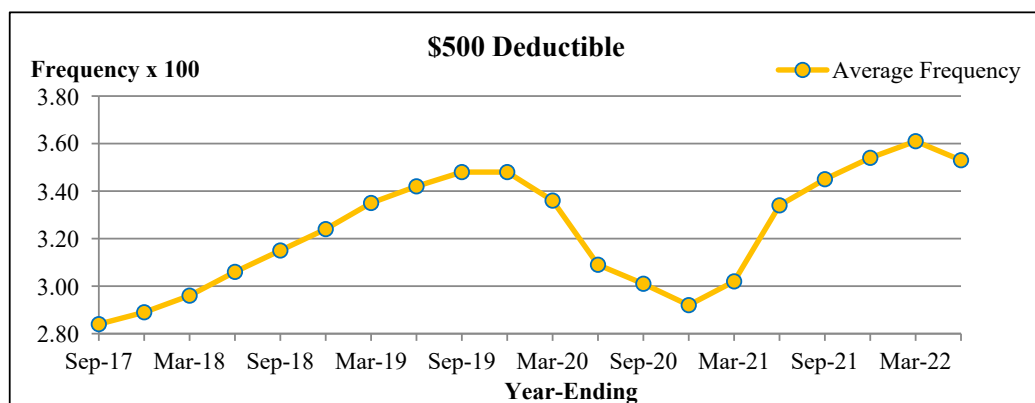
Deductible:	Percent of Losses
Full	0.6%
\$50	0.4%
\$100	2.8%
\$200	0.5%
\$250	11.0%
\$500	37.5%
\$1,000	42.1%
\$2,000	3.2%
\$3,000	0.8%
\$5,000	1.0%

* Multistate data excludes Massachusetts

** Change based on years ending 12/31/xxx and 06/30/xxxx

VERISK

Commercial Automobile
Private Passenger Types Physical Damage
Other Than Collision Frequency Trend
Multistate*



*Excludes Massachusetts

Selected Other Than Collision Frequency Trend Factor: 0.0%

VERISK

Multistate*
Private Passenger Types Physical Damage
Other Than Collision

Severity Trend

	\$500 Deductible	\$1,000 Deductible	\$2,000 Deductible
Year Ending:	Value	Value	Value
9/30/2017	1,833.20	2,395.54	2,885.64
12/31/2017	1,853.17	2,457.20	2,966.75
3/31/2018	1,851.99	2,450.62	2,962.83
6/30/2018	1,874.12	2,484.30	3,008.50
9/30/2018	1,871.02	2,453.72	2,986.11
12/31/2018	1,912.63	2,525.17	3,101.36
3/31/2019	1,933.77	2,564.01	3,154.66
6/30/2019	1,956.97	2,612.21	3,191.31
9/30/2019	1,965.42	2,659.52	3,241.25
12/31/2019	1,974.11	2,695.58	3,276.00
3/31/2020	2,031.85	2,791.27	3,378.64
6/30/2020	2,105.30	2,828.23	3,444.84
9/30/2020	2,201.74	2,875.97	3,483.43
12/31/2020	2,286.09	2,902.47	3,509.72
3/31/2021	2,276.90	2,861.68	3,492.20
6/30/2021	2,284.72	2,914.10	3,570.22
9/30/2021	2,318.15	2,974.78	3,651.35
12/31/2021	2,375.42	3,073.99	3,817.81
3/31/2022	2,459.52	3,174.72	3,920.28
6/30/2022	2,502.32	3,200.66	3,944.60

Average Annual Change Using Exponential Fits:

20 point fit:	7.2%	6.3%	6.7%
16 point fit:	8.3%	6.8%	7.1%
12 point fit:	9.2%	6.4%	7.2%

Selected severity trend:	7.5%
Selected frequency trend:	0.0%
Selected pure premium trend:	7.5%

* Multistate data excludes Massachusetts

VERISK

Multistate*
Private Passenger Types Physical Damage
Collision

Frequency (expressed as claims per 100 exposures)

	\$500 Deductible		\$1,000 Deductible		\$2,000 Deductible	
Year Ending:	Value	Change**	Value	Change**	Value	Change**
9/30/2017	4.67		4.06		3.06	
12/31/2017	4.67		4.08		3.08	
3/31/2018	4.78		4.15		3.16	
6/30/2018	4.75		4.16		3.17	
9/30/2018	4.81		4.22		3.21	
12/31/2018	4.79	2.6%	4.21	3.2%	3.21	4.2%
3/31/2019	4.74		4.21		3.22	
6/30/2019	4.74	-0.2%	4.23	1.7%	3.25	2.5%
9/30/2019	4.73		4.22		3.25	
12/31/2019	4.66	-2.7%	4.22	0.2%	3.24	0.9%
3/31/2020	4.43		4.00		3.07	
6/30/2020	3.93	-17.1%	3.50	-17.3%	2.71	-16.6%
9/30/2020	3.63		3.21		2.53	
12/31/2020	3.32	-28.8%	2.88	-31.8%	2.32	-28.4%
3/31/2021	3.21		2.79		2.27	
6/30/2021	3.51	-10.7%	3.06	-12.6%	2.49	-8.1%
9/30/2021	3.54		3.13		2.56	
12/31/2021	3.60	8.4%	3.22	11.8%	2.65	14.2%
3/31/2022	3.71		3.32		2.73	
6/30/2022	3.72	6.0%	3.35	9.5%	2.79	12.0%

Volume*** of losses for the most recent year by deductible:

Deductible:	Percent of Losses
\$100	0.2%
\$200	0.0%
\$250	1.2%
\$500	34.5%
\$1,000	58.1%
\$2,000	3.8%
\$3,000	0.7%
\$5,000	1.5%

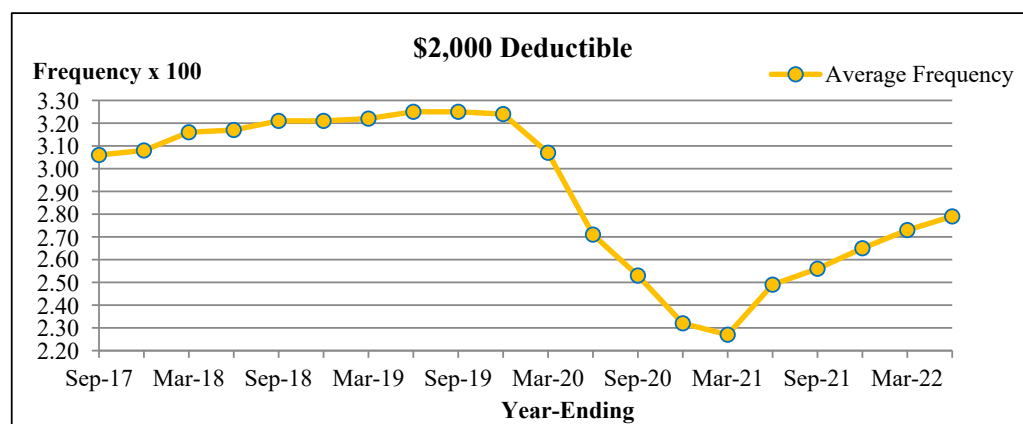
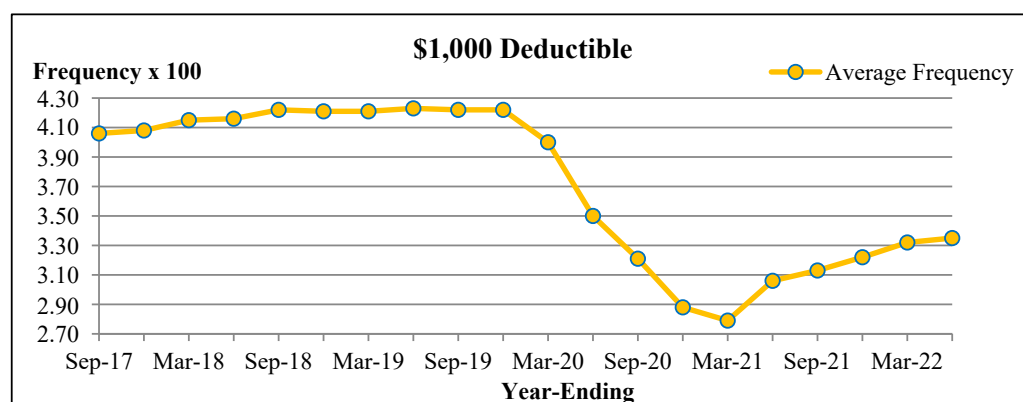
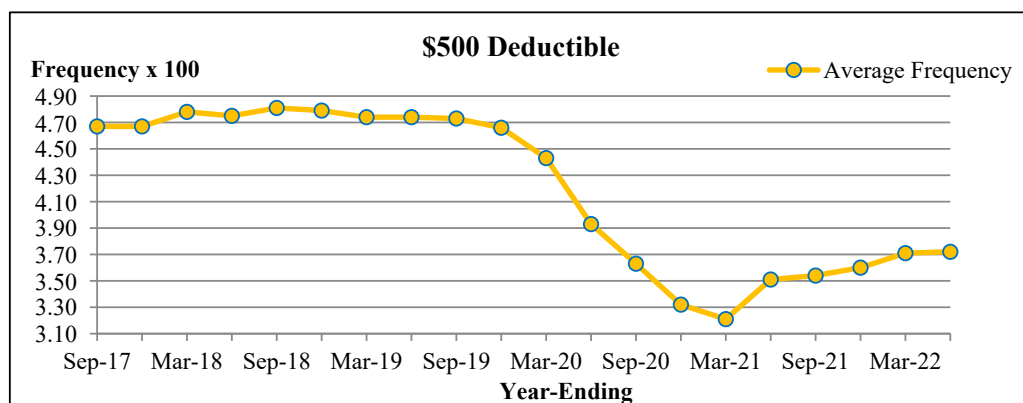
* Multistate data excludes Massachusetts

** Change based on years ending 12/31/xxx and 06/30/xxxx

*** Deductibles above \$2,000, totaling 2.2% of losses, are excluded from trend calculations.

VERISK

Commercial Automobile
Private Passenger Types Physical Damage
Collision Frequency Trend
Multistate*



*Excludes Massachusetts

Selected Collision Frequency Trend Factor: 0.0%

VERISK

Multistate*
Private Passenger Types Physical Damage
Collision

Severity Trend

	\$500 Deductible	\$1,000 Deductible	\$2,000 Deductible
Year Ending:	Value	Value	Value
9/30/2017	4,351.26	4,795.23	5,241.07
12/31/2017	4,436.11	4,876.90	5,333.52
3/31/2018	4,493.46	4,919.57	5,352.03
6/30/2018	4,610.47	5,002.19	5,441.29
9/30/2018	4,624.75	5,028.47	5,482.49
12/31/2018	4,561.82	5,003.21	5,435.63
3/31/2019	4,659.13	5,090.52	5,541.91
6/30/2019	4,622.09	5,104.51	5,525.55
9/30/2019	4,769.37	5,150.48	5,579.14
12/31/2019	4,919.51	5,274.72	5,743.37
3/31/2020	4,971.73	5,334.59	5,810.14
6/30/2020	5,121.20	5,429.50	5,903.69
9/30/2020	5,075.56	5,511.60	5,901.73
12/31/2020	5,156.08	5,664.53	5,971.29
3/31/2021	5,206.71	5,793.35	6,081.15
6/30/2021	5,389.16	6,004.19	6,342.89
9/30/2021	5,639.35	6,240.98	6,644.88
12/31/2021	5,969.36	6,544.38	6,984.34
3/31/2022	6,201.46	6,839.45	7,329.18
6/30/2022	6,360.30	7,137.41	7,569.71

Average Annual Change Using Exponential Fits:

20 point fit:	7.5%	7.8%	7.0%
16 point fit:	8.9%	9.6%	8.7%
12 point fit:	10.6%	12.4%	11.3%

Selected severity trend:	10.0%
Selected frequency trend:	0.0%
Selected pure premium trend:	10.0%

* Multistate data excludes Massachusetts

VERISK

Multistate*
Trucks, Tractors & Trailers
Physical Damage
Vehicle Value Factor Trend Calculation

Companies Not Reporting Age Code X Data

Average Vehicle Value Factor

Year Ending:	Other Than Collision	Collision
6/30/2020	0.974	0.810
12/31/2020	0.999	0.820
6/30/2021	1.003	0.840
12/31/2021	1.022	0.868
6/30/2022	1.042	0.869

Exponential Trend (Average Annual Change)

5 Points	3.2%	4.1%
4 Points	3.0%	4.2%
3 Points	3.9%	3.5%

* Excludes Massachusetts

VERISK

Multistate*
Trucks, Tractors & Trailers
Physical Damage
Vehicle Value Factor Trend Calculation

All Companies
Excluding 11th Preceding Model Year and Older Data

Average Vehicle Value Factor

Year Ending:	Other Than Collision	Collision
12/31/2017	0.994	0.838
6/30/2018	1.008	0.853
12/31/2018	1.020	0.866
6/30/2019	1.033	0.879
12/31/2019	1.046	0.890
6/30/2020	1.056	0.896
12/31/2020	1.062	0.897
6/30/2021	1.067	0.896
12/31/2021	1.072	0.895
6/30/2022	1.077	0.893

Exponential Trend (Average Annual Change)

9 Points	1.7%	1.1%
7 Points	1.3%	0.4%
5 Points	1.0%	-0.2%
Selected Annual VVF Trend:	2.0%	2.0%

* Excludes Massachusetts

VERISK

Multistate*
 Private Passenger Types
 Physical Damage
 Vehicle Value Factor Trend Calculation

Companies Not Reporting Age Code X Data

Average Vehicle Value Factor

Year Ending:	Other Than Collision	Collision
6/30/2019	0.949	0.852
12/31/2019	0.965	0.857
6/30/2020	0.967	0.854
12/31/2020	0.970	0.849
6/30/2021	0.975	0.852
12/31/2021	0.992	0.871
6/30/2022	1.010	0.886

Exponential Trend (Average Annual Change)

7 Points	1.8%	1.1%
6 Points	1.8%	1.3%
5 Points	2.2%	2.0%

* Excludes Massachusetts

VERISK

Multistate*
 Private Passenger Types
 Physical Damage
 Vehicle Value Factor Trend Calculation

All Companies
 Excluding 11th Preceding Model Year and Older Data

Average Vehicle Value Factor

Year Ending:	Other Than Collision	Collision
12/31/2017	1.041	0.939
6/30/2018	1.057	0.951
12/31/2018	1.074	0.959
6/30/2019	1.088	0.965
12/31/2019	1.099	0.972
6/30/2020	1.107	0.976
12/31/2020	1.108	0.971
6/30/2021	1.115	0.967
12/31/2021	1.128	0.970
6/30/2022	1.138	0.974

Exponential Trend (Average Annual Change)

9 Points	1.7%	0.4%
7 Points	1.4%	0.1%
5 Points	1.5%	-0.1%
Selected Annual VVF Trend:	1.8%	1.0%

* Excludes Massachusetts

VERISK

COLORADO
Automobile Liability Insurance - Trucks, Tractors and Trailers
Loss Development
Incurred Losses and Expenses
Bodily Injury

Accident				Loss Development Factors	
Year	\$100,000 Basic	Limit		15 to 27	27 to 39
<u>Ending</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>Months</u>	<u>Months</u>
06/30/2011	4,858,529	6,129,824	6,763,637	1.262	1.103
06/30/2012	5,825,820	7,420,493	9,142,785	1.274	1.232
06/30/2013	5,599,788	6,967,071	8,273,764	1.244	1.188
06/30/2014	7,112,802	9,159,438	10,062,952	1.288	1.099
06/30/2015	8,791,210	10,742,253	12,451,070	1.222	1.159
06/30/2016	7,592,862	8,891,196	10,509,367	1.171	1.182
06/30/2017	9,084,176	11,320,776	12,427,458	1.246	1.098
06/30/2018	9,564,748	12,649,939	13,401,189	1.323	1.059
06/30/2019	11,109,272	13,912,070	15,086,812	1.252	1.084
06/30/2020	9,851,625	12,660,137	13,782,171	1.285	1.089
06/30/2021	9,574,867	10,490,053		1.096	
06/30/2022	9,633,306				
(1) Average Factor (Best 3 of 5) :			(A) State	1.261	1.090
			(B) Multistate	1.269	1.122
(2) Credibility				0.920	0.780
(3) Credibility Weighted Factors				1.262	1.097

Property Damage

Accident	\$100,000 Basic Limit			Loss Development Factors	
Year				15 to 27	27 to 39
Ending	15 Months	27 Months	39 Months	Months	Months
06/30/2011	5,226,440	5,366,390	5,361,990	1.027	0.999
06/30/2012	5,303,032	5,383,808	5,463,114	1.015	1.015
06/30/2013	6,108,464	6,188,008	6,207,108	1.013	1.003
06/30/2014	7,859,454	8,015,367	8,101,869	1.020	1.011
06/30/2015	8,837,625	8,895,721	8,873,020	1.007	0.997
06/30/2016	8,798,144	9,040,352	9,062,530	1.028	1.002
06/30/2017	8,079,435	8,306,910	8,385,727	1.028	1.009
06/30/2018	8,294,116	8,439,655	8,490,660	1.018	1.006
06/30/2019	10,118,438	10,264,986	10,427,084	1.014	1.016
06/30/2020	9,440,354	9,688,362	9,707,932	1.026	1.002
06/30/2021	9,659,697	10,370,569		1.074	
06/30/2022	12,380,709				
(1) Average Factor (Best 3 of 5) :			(A) State	1.024	1.006
			(B) Multistate	1.047	1.010
(2) Credibility				0.950	0.000
(3) Credibility Weighted Factors				1.025	1.010

Summary of Factors

	Bodily Injury	Property Damage
39 to Ultimate **	1.078	1.008
27 to Ultimate	1.183	1.018
15 to Ultimate	1.493	1.043

** Multistate factors

VERISK

Basic Limits Loss Development
Trucks, Tractors and Trailers - Bodily Injury
Tort States
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit				
	15 Months	27 Months	39 Months	51 Months	63 Months
06/30/2011	309,171,800	379,522,658	423,573,127	442,727,243	449,214,348
06/30/2012	329,872,812	411,774,656	457,443,441	476,493,208	486,637,926
06/30/2013	341,690,043	423,777,863	471,918,465	499,465,791	507,790,332
06/30/2014	360,718,538	448,845,987	502,399,795	531,396,265	541,833,683
06/30/2015	387,810,536	486,136,845	548,103,046	573,679,922	584,482,390
06/30/2016	440,034,788	555,447,371	619,922,430	652,677,646	665,088,104
06/30/2017	472,075,290	593,420,678	663,078,088	694,541,220	709,382,975
06/30/2018	473,176,532	599,135,722	668,748,338	703,975,471	719,490,446
06/30/2019	470,680,351	598,292,849	677,600,914	714,626,419	
06/30/2020	419,388,209	549,441,073	622,850,750		
06/30/2021	406,983,183	517,208,651			
06/30/2022	453,546,821				

Ratios

Accident Year Ending	27:15	39:27	51:39	63:51
06/30/2011	1.228	1.116	1.045	1.015
06/30/2012	1.248	1.111	1.042	1.021
06/30/2013	1.240	1.114	1.058	1.017
06/30/2014	1.244	1.119	1.058	1.020
06/30/2015	1.254	1.127	1.047	1.019
06/30/2016	1.262	1.116	1.053	1.019
06/30/2017	1.257	1.117	1.047	1.021
06/30/2018	1.266	1.116	1.053	1.022
06/30/2019	1.271	1.133	1.055	
06/30/2020	1.310	1.134		
06/30/2021	1.271			
Average Factor: (Best 3 of 5)	1.269	1.122	1.051	1.020

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.006
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.026
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.078
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.210
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.536

VERISK

Basic Limits Loss Development
Trucks, Tractors and Trailers - Bodily Injury
Tort States
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit				
	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
06/30/2011	452,382,641	454,659,419	454,554,924	454,618,468	454,507,126
06/30/2012	486,822,287	487,079,930	486,506,304	486,559,702	486,660,902
06/30/2013	507,171,913	508,064,671	508,374,282	508,117,531	507,247,423
06/30/2014	545,708,255	544,316,744	544,548,135	544,557,372	
06/30/2015	586,222,403	587,544,769	589,106,962		
06/30/2016	668,579,098	669,794,970			
06/30/2017	713,998,544				

Ratios

Accident Year Ending	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
06/30/2011	1.007	1.005	1.000	1.000	1.000
06/30/2012	1.000	1.001	0.999	1.000	1.000
06/30/2013	0.999	1.002	1.001	0.999	0.998
06/30/2014	1.007	0.997	1.000	1.000	
06/30/2015	1.003	1.002	1.003		
06/30/2016	1.005	1.002			
06/30/2017	1.007				
Average Factor: (Best 3 of 5)	1.005	1.002	1.000	1.000	0.999

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	0.999
99 to Ult:	(111:99) (123:111) (123:Ult)	=	0.999
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	0.999
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.001

VERISK

Basic Limits Loss Development
Trucks, Tractors and Trailers - Property Damage
Multistate
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit				
	15 Months	27 Months	39 Months	51 Months	63 Months
06/30/2011	383,462,569	396,330,945	398,347,093	398,369,938	399,962,099
06/30/2012	403,850,095	417,311,779	421,539,584	420,251,005	420,848,411
06/30/2013	421,490,074	435,370,647	438,121,465	440,613,426	441,475,909
06/30/2014	446,493,737	462,675,365	465,960,288	467,199,230	467,642,839
06/30/2015	469,350,081	491,328,434	496,239,755	498,241,066	498,945,745
06/30/2016	504,070,622	528,060,672	533,666,337	535,541,574	535,175,132
06/30/2017	532,364,986	554,303,721	559,962,114	561,756,186	562,716,748
06/30/2018	552,951,630	580,724,270	586,473,353	587,338,989	590,772,187
06/30/2019	581,948,361	611,214,164	615,550,073	620,563,773	
06/30/2020	501,911,315	520,304,875	527,803,186		
06/30/2021	478,825,385	513,206,727			
06/30/2022	588,711,226				

Ratios

Accident Year Ending	27:15	39:27	51:39	63:51
06/30/2011	1.034	1.005	1.000	1.004
06/30/2012	1.033	1.010	0.997	1.001
06/30/2013	1.033	1.006	1.006	1.002
06/30/2014	1.036	1.007	1.003	1.001
06/30/2015	1.047	1.010	1.004	1.001
06/30/2016	1.048	1.011	1.004	0.999
06/30/2017	1.041	1.010	1.003	1.002
06/30/2018	1.050	1.010	1.001	1.006
06/30/2019	1.050	1.007	1.008	
06/30/2020	1.037	1.014		
06/30/2021	1.072			
Average Factor: (Best 3 of 5)	1.047	1.010	1.004	1.001

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.003
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.004
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.008
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.018
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.066

VERISK

Basic Limits Loss Development
Trucks, Tractors and Trailers - Property Damage
Multistate
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit			
	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>
06/30/2011	401,170,298	401,408,749	401,626,701	401,696,199
06/30/2012	421,045,402	421,691,953	421,992,694	421,970,788
06/30/2013	441,952,903	442,289,706	442,389,112	442,287,214
06/30/2014	468,213,748	468,092,969	468,038,912	468,554,796
06/30/2015	499,026,164	499,714,380	501,192,837	
06/30/2016	535,456,261	536,689,840		
06/30/2017	564,343,425			

Ratios

Accident Year Ending	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>
06/30/2011	1.003	1.001	1.001	1.000
06/30/2012	1.000	1.002	1.001	1.000
06/30/2013	1.001	1.001	1.000	1.000
06/30/2014	1.001	1.000	1.000	1.001
06/30/2015	1.000	1.001	1.003	
06/30/2016	1.001	1.002		
06/30/2017	1.003			
Average Factor: (Best 3 of 5)	1.001	1.001	1.001	1.000

Summary of Factors

111 to Ult:	(1.000)	=	1.000
99 to Ult:	(111:99) (111:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (111:Ult)	=	1.001
75 to Ult:	(87:75) (99:87) (111:99) (111:Ult)	=	1.002

VERISK

COLORADO
Automobile Liability Insurance - Private Passenger Types
Loss Development
Incurred Losses and Expenses
Bodily Injury

Accident				Loss Development Factors	
Year	\$100,000 Basic	Limit		15 to 27	27 to 39
<u>Ending</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>Months</u>	<u>Months</u>
06/30/2011	993,518	1,357,855	1,335,112	1.367	0.983
06/30/2012	1,635,837	1,950,590	2,229,701	1.192	1.143
06/30/2013	834,747	1,043,820	1,133,136	1.250	1.086
06/30/2014	1,490,419	1,724,753	2,271,596	1.157	1.317
06/30/2015	1,237,916	1,559,916	1,917,425	1.260	1.229
06/30/2016	1,871,805	2,376,256	2,259,032	1.269	0.951
06/30/2017	1,878,125	2,460,890	2,421,586	1.310	0.984
06/30/2018	1,916,958	2,208,463	2,367,115	1.152	1.072
06/30/2019	1,864,869	2,230,859	2,345,305	1.196	1.051
06/30/2020	1,778,968	2,423,509	2,366,577	1.362	0.977
06/30/2021	1,331,362	1,795,201		1.348	
06/30/2022	2,336,418				
(1) Average Factor (Best 3 of 5) :			(A) State	1.285	1.004
			(B) Multistate	1.268	1.120
(2) Credibility				0.770	0.630
(3) Credibility Weighted Factors				1.281	1.047

Property Damage

Accident	\$100,000 Basic Limit			Loss Development Factors	
Year				15 to 27	27 to 39
Ending	15 Months	27 Months	39 Months	Months	Months
06/30/2011	1,062,717	1,092,927	1,109,118	1.028	1.015
06/30/2012	1,063,291	1,085,422	1,075,271	1.021	0.991
06/30/2013	1,128,889	1,216,943	1,217,134	1.078	1.000
06/30/2014	1,278,443	1,345,834	1,359,088	1.053	1.010
06/30/2015	1,467,450	1,441,147	1,443,230	0.982	1.001
06/30/2016	1,649,605	1,713,562	1,711,976	1.039	0.999
06/30/2017	1,623,199	1,792,266	1,816,611	1.104	1.014
06/30/2018	1,767,722	1,891,403	1,923,911	1.070	1.017
06/30/2019	1,809,982	2,044,837	2,058,266	1.130	1.007
06/30/2020	1,543,235	1,616,592	1,602,668	1.048	0.991
06/30/2021	1,388,498	1,533,358		1.104	
06/30/2022	1,885,984				
(1) Average Factor (Best 3 of 5) :			(A) State	1.093	1.007
			(B) Multistate	1.049	1.007
(2) Credibility				0.890	0.000
(3) Credibility Weighted Factors				1.088	1.007

Summary of Factors

	Bodily Injury	Property Damage
39 to Ultimate **	1.080	1.004
27 to Ultimate	1.131	1.011
15 to Ultimate	1.449	1.100

** Multistate factors

VERISK

Basic Limits Loss Development
Private Passenger Types - Bodily Injury
Tort States
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit				
	15 Months	27 Months	39 Months	51 Months	63 Months
06/30/2011	73,100,423	89,286,285	97,153,244	102,370,656	103,300,151
06/30/2012	77,780,691	94,031,636	101,817,802	107,443,277	109,568,763
06/30/2013	73,429,659	87,914,892	94,674,611	99,448,255	101,332,685
06/30/2014	74,894,320	89,993,499	99,967,393	105,934,389	107,023,624
06/30/2015	71,585,106	88,457,713	100,651,747	105,754,628	107,784,108
06/30/2016	76,040,397	93,229,888	105,718,325	110,859,776	112,696,084
06/30/2017	74,839,266	94,221,702	104,031,979	108,485,934	110,070,295
06/30/2018	78,215,109	95,308,545	107,023,433	113,913,165	116,361,778
06/30/2019	79,351,224	99,923,117	110,332,497	115,633,634	
06/30/2020	63,255,099	81,380,805	92,382,552		
06/30/2021	55,660,031	71,614,386			
06/30/2022	66,570,735				

Ratios

Accident Year Ending	27:15	39:27	51:39	63:51
06/30/2011	1.221	1.088	1.054	1.009
06/30/2012	1.209	1.083	1.055	1.020
06/30/2013	1.197	1.077	1.050	1.019
06/30/2014	1.202	1.111	1.060	1.010
06/30/2015	1.236	1.138	1.051	1.019
06/30/2016	1.226	1.134	1.049	1.017
06/30/2017	1.259	1.104	1.043	1.015
06/30/2018	1.219	1.123	1.064	1.021
06/30/2019	1.259	1.104	1.048	
06/30/2020	1.287	1.135		
06/30/2021	1.287			
Average Factor: (Best 3 of 5)	1.268	1.120	1.049	1.017

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.012
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.029
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.080
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.209
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.533

VERISK

Basic Limits Loss Development
Private Passenger Types - Bodily Injury
Tort States
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit				
	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
06/30/2011	103,674,609	103,829,314	104,173,692	104,193,852	104,222,218
06/30/2012	110,525,691	110,642,991	110,827,398	110,918,627	110,873,579
06/30/2013	102,013,424	102,438,061	102,478,580	102,448,874	102,247,603
06/30/2014	107,451,572	107,610,242	107,970,020	108,309,008	
06/30/2015	108,304,631	108,320,210	108,200,536		
06/30/2016	114,053,634	114,723,899			
06/30/2017	111,234,318				

Ratios

Accident Year Ending	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
06/30/2011	1.004	1.001	1.003	1.000	1.000
06/30/2012	1.009	1.001	1.002	1.001	1.000
06/30/2013	1.007	1.004	1.000	1.000	0.998
06/30/2014	1.004	1.001	1.003	1.003	
06/30/2015	1.005	1.000	0.999		
06/30/2016	1.012	1.006			
06/30/2017	1.011				
Average Factor: (Best 3 of 5)	1.008	1.002	1.002	1.001	0.999

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	0.999
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.002
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.004

VERISK

Basic Limits Loss Development
Private Passenger Types - Property Damage
Multistate
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit				
	15 Months	27 Months	39 Months	51 Months	63 Months
06/30/2011	85,234,954	88,153,518	88,773,992	88,920,054	89,229,004
06/30/2012	90,389,104	92,849,765	93,502,683	93,897,727	94,079,373
06/30/2013	90,658,510	94,251,765	94,704,500	94,886,305	94,900,584
06/30/2014	92,912,261	96,427,372	97,239,863	97,366,625	97,864,780
06/30/2015	91,504,132	94,942,585	95,633,103	95,985,863	95,897,256
06/30/2016	96,782,197	101,633,332	102,140,859	102,340,238	102,440,783
06/30/2017	95,889,744	100,128,699	100,767,729	100,969,338	101,175,395
06/30/2018	96,797,756	101,528,634	102,402,534	102,558,588	102,709,383
06/30/2019	96,821,705	101,919,047	102,608,269	102,909,985	
06/30/2020	77,132,643	79,324,660	80,266,992		
06/30/2021	59,950,476	63,429,992			
06/30/2022	75,425,827				

Ratios

Accident Year Ending	27:15	39:27	51:39	63:51
06/30/2011	1.034	1.007	1.002	1.003
06/30/2012	1.027	1.007	1.004	1.002
06/30/2013	1.040	1.005	1.002	1.000
06/30/2014	1.038	1.008	1.001	1.005
06/30/2015	1.038	1.007	1.004	0.999
06/30/2016	1.050	1.005	1.002	1.001
06/30/2017	1.044	1.006	1.002	1.002
06/30/2018	1.049	1.009	1.002	1.001
06/30/2019	1.053	1.007	1.003	
06/30/2020	1.028	1.012		
06/30/2021	1.058			
Average Factor: (Best 3 of 5)	1.049	1.007	1.002	1.001

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.001
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.002
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.004
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.011
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.061

VERISK

Basic Limits Loss Development
Private Passenger Types - Property Damage
Multistate
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit			
	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>
06/30/2011	89,305,941	89,305,399	89,234,595	89,232,841
06/30/2012	94,256,454	94,283,445	94,242,668	94,242,709
06/30/2013	94,949,556	94,965,053	94,988,176	95,000,534
06/30/2014	97,687,508	97,780,957	97,818,105	97,912,080
06/30/2015	95,996,960	95,992,899	96,277,054	
06/30/2016	102,450,914	102,458,590		
06/30/2017	101,472,984			

Ratios

Accident Year Ending	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>
06/30/2011	1.001	1.000	0.999	1.000
06/30/2012	1.002	1.000	1.000	1.000
06/30/2013	1.001	1.000	1.000	1.000
06/30/2014	0.998	1.001	1.000	1.001
06/30/2015	1.001	1.000	1.003	
06/30/2016	1.000	1.000		
06/30/2017	1.003			
Average Factor: (Best 3 of 5)	1.001	1.000	1.000	1.000

Summary of Factors

111 to Ult:	(1.000)	=	1.000
99 to Ult:	(111:99) (111:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (111:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (111:Ult)	=	1.000

VERISK

Basic Limits Loss Development
Auto Dealers - Bodily Injury
Tort States
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit				
	15 Months	27 Months	39 Months	51 Months	63 Months
06/30/2011	11,254,602	15,959,247	20,989,850	20,906,542	21,706,117
06/30/2012	12,612,459	18,249,230	22,795,643	24,551,579	24,512,898
06/30/2013	10,344,378	14,988,003	17,741,538	19,021,818	19,320,321
06/30/2014	11,285,320	14,811,065	17,238,866	19,334,273	20,098,639
06/30/2015	14,608,538	18,066,546	20,546,390	21,921,253	22,471,571
06/30/2016	10,650,853	14,230,736	16,433,005	17,303,865	17,783,988
06/30/2017	12,297,828	16,914,976	19,958,950	22,288,509	22,811,143
06/30/2018	11,552,978	15,881,026	18,831,090	20,268,898	20,858,710
06/30/2019	12,148,343	14,919,029	18,727,741	18,529,469	
06/30/2020	7,530,206	11,947,327	12,656,508		
06/30/2021	7,904,442	11,676,095			
06/30/2022	7,539,196				

Ratios

Accident Year Ending	27:15	39:27	51:39	63:51
06/30/2011	1.418	1.315	0.996	1.038
06/30/2012	1.447	1.249	1.077	0.998
06/30/2013	1.449	1.184	1.072	1.016
06/30/2014	1.312	1.164	1.122	1.040
06/30/2015	1.237	1.137	1.067	1.025
06/30/2016	1.336	1.155	1.053	1.028
06/30/2017	1.375	1.180	1.117	1.023
06/30/2018	1.375	1.186	1.076	1.029
06/30/2019	1.228	1.255	0.989	
06/30/2020	1.587	1.059		
06/30/2021	1.477			
Average Factor: (Best 3 of 5)	1.409	1.174	1.065	1.027

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.006
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.033
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.100
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.292
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.820

VERISK

Basic Limits Loss Development
Auto Dealers - Bodily Injury
Tort States
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit				
	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
06/30/2011	22,259,543	22,480,675	22,396,899	22,394,298	22,393,926
06/30/2012	24,301,519	24,186,116	24,224,534	24,203,535	24,195,586
06/30/2013	19,357,730	19,103,118	19,107,461	19,105,286	19,105,247
06/30/2014	20,552,332	20,976,673	21,021,820	21,093,219	
06/30/2015	22,413,428	22,206,980	22,125,500		
06/30/2016	18,080,300	17,906,424			
06/30/2017	23,561,955				

Ratios

Accident Year Ending	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
06/30/2011	1.025	1.010	0.996	1.000	1.000
06/30/2012	0.991	0.995	1.002	0.999	1.000
06/30/2013	1.002	0.987	1.000	1.000	1.000
06/30/2014	1.023	1.021	1.002	1.003	
06/30/2015	0.997	0.991	0.996		
06/30/2016	1.017	0.990			
06/30/2017	1.033				
Average Factor: (Best 3 of 5)	1.014	0.992	0.999	1.001	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.001
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	0.992

VERISK

Basic Limits Loss Development
Auto Dealers - Property Damage
Multistate
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit				
	15 Months	27 Months	39 Months	51 Months	63 Months
06/30/2011	11,838,822	12,758,999	13,208,328	13,313,012	13,511,365
06/30/2012	12,742,600	13,873,512	14,439,582	14,630,596	14,905,114
06/30/2013	11,991,276	12,628,014	13,096,164	13,372,363	13,168,995
06/30/2014	11,197,931	12,051,384	12,685,734	13,073,985	13,505,097
06/30/2015	11,100,350	12,160,079	12,608,537	12,646,705	12,866,705
06/30/2016	12,069,435	13,175,049	13,016,889	13,304,786	13,421,036
06/30/2017	12,041,951	12,213,642	13,065,699	13,401,348	13,433,134
06/30/2018	9,703,093	10,970,484	11,745,969	11,951,766	12,141,317
06/30/2019	6,809,149	7,328,972	7,347,288	7,394,098	
06/30/2020	5,018,688	5,438,920	5,563,591		
06/30/2021	5,351,667	5,650,792			
06/30/2022	5,527,989				

Ratios

Accident Year Ending	27:15	39:27	51:39	63:51
06/30/2011	1.078	1.035	1.008	1.015
06/30/2012	1.089	1.041	1.013	1.019
06/30/2013	1.053	1.037	1.021	0.985
06/30/2014	1.076	1.053	1.031	1.033
06/30/2015	1.095	1.037	1.003	1.017
06/30/2016	1.092	0.988	1.022	1.009
06/30/2017	1.014	1.070	1.026	1.002
06/30/2018	1.131	1.071	1.018	1.016
06/30/2019	1.076	1.002	1.006	
06/30/2020	1.084	1.023		
06/30/2021	1.056			
Average Factor: (Best 3 of 5)	1.072	1.032	1.015	1.014

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.003
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.017
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.032
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.065
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.142

VERISK

Basic Limits Loss Development
Auto Dealers - Property Damage
Multistate
Incurred Losses and Expenses

Accident Year Ending	\$100,000 Basic Limit			
	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>
06/30/2011	13,714,573	13,689,460	13,710,627	13,704,487
06/30/2012	15,057,806	15,044,262	15,095,535	15,095,845
06/30/2013	13,186,802	13,235,816	13,263,992	13,213,324
06/30/2014	13,662,405	13,689,765	13,509,921	13,512,781
06/30/2015	12,900,016	12,869,873	12,902,046	
06/30/2016	13,431,937	13,400,911		
06/30/2017	13,435,709			

Ratios

Accident Year Ending	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>
06/30/2011	1.015	0.998	1.002	1.000
06/30/2012	1.010	0.999	1.003	1.000
06/30/2013	1.001	1.004	1.002	0.996
06/30/2014	1.012	1.002	0.987	1.000
06/30/2015	1.003	0.998	1.002	
06/30/2016	1.001	0.998		
06/30/2017	1.000			
Average Factor: (Best 3 of 5)	1.002	1.000	1.002	0.999

Summary of Factors

111 to Ult:	(1.000)	=	1.000
99 to Ult:	(111:99) (111:Ult)	=	0.999
87 to Ult:	(99:87) (111:99) (111:Ult)	=	1.001
75 to Ult:	(87:75) (99:87) (111:99) (111:Ult)	=	1.001

VERISK

Physical Damage Loss Development
Trucks, Tractors and Trailers - Other than Collision
Multistate
Paid Losses

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>
06/30/2011	173,278,459	178,663,203	178,678,509	178,702,847	178,796,975
06/30/2012	184,249,606	189,779,428	189,661,466	189,798,272	189,883,440
06/30/2013	211,876,143	216,977,680	217,207,307	217,434,142	217,822,106
06/30/2014	180,039,870	185,746,928	186,545,090	186,511,153	186,597,197
06/30/2015	176,604,217	182,059,910	181,934,372	182,246,973	182,182,054
06/30/2016	195,485,868	201,475,025	202,004,913	202,208,417	202,173,898
06/30/2017	233,889,049	241,065,409	241,504,992	241,636,568	241,645,503
06/30/2018	227,492,955	235,690,311	235,617,616	235,385,052	235,412,822
06/30/2019	235,628,788	242,679,650	243,215,976	243,692,840	
06/30/2020	243,838,268	250,892,996	251,440,999		
06/30/2021	264,896,083	274,656,427			
06/30/2022	332,176,306				

Ratios

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>
06/30/2011	1.031	1.000	1.000	1.001
06/30/2012	1.030	0.999	1.001	1.000
06/30/2013	1.024	1.001	1.001	1.002
06/30/2014	1.032	1.004	1.000	1.000
06/30/2015	1.031	0.999	1.002	1.000
06/30/2016	1.031	1.003	1.001	1.000
06/30/2017	1.031	1.002	1.001	1.000
06/30/2018	1.036	1.000	0.999	1.000
06/30/2019	1.030	1.002	1.002	
06/30/2020	1.029	1.002		
06/30/2021	1.037			
Average Factor: (Best 3 of 5)	1.032	1.002	1.001	1.000

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.000
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.000
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.001
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.003
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.035

VERISK

Physical Damage Loss Development
Trucks, Tractors and Trailers - Other than Collision
Multistate
Paid Losses

Accident Year <u>Ending</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
06/30/2011	178,859,814	178,860,433	178,851,177	178,847,780	178,833,761
06/30/2012	189,709,525	189,731,409	189,726,682	189,731,269	189,690,531
06/30/2013	217,887,362	217,888,209	217,930,434	217,911,272	217,892,206
06/30/2014	186,575,424	186,598,793	186,596,547	186,593,380	
06/30/2015	182,212,170	182,217,101	182,224,436		
06/30/2016	202,178,430	202,173,905			
06/30/2017	241,634,867				

Ratios

Accident Year <u>Ending</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
06/30/2011	1.000	1.000	1.000	1.000	1.000
06/30/2012	0.999	1.000	1.000	1.000	1.000
06/30/2013	1.000	1.000	1.000	1.000	1.000
06/30/2014	1.000	1.000	1.000	1.000	
06/30/2015	1.000	1.000	1.000		
06/30/2016	1.000	1.000			
06/30/2017	1.000				
Average Factor: (Best 3 of 5)	1.000	1.000	1.000	1.000	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.000

VERISK

Physical Damage Loss Development
Trucks, Tractors and Trailers - Collision
Multistate
Paid Losses

Accident Year <u>Ending</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>
06/30/2011	396,981,553	392,160,941	390,850,133	390,345,970	390,579,655
06/30/2012	409,933,261	403,950,751	402,534,185	402,169,745	402,160,437
06/30/2013	424,964,131	416,456,403	415,671,245	414,946,747	415,490,991
06/30/2014	464,798,429	456,154,045	454,515,324	453,240,210	453,040,363
06/30/2015	494,633,943	482,498,561	479,597,749	479,050,159	479,011,636
06/30/2016	523,624,845	512,356,186	509,002,432	507,901,413	507,885,729
06/30/2017	549,940,508	535,156,172	530,795,963	530,170,479	530,024,344
06/30/2018	579,577,916	562,618,888	558,752,012	557,472,925	557,134,566
06/30/2019	623,067,362	605,830,521	602,452,353	601,710,302	
06/30/2020	566,927,276	552,033,640	550,769,560		
06/30/2021	603,068,149	590,964,005			
06/30/2022	736,955,573				

Ratios

Accident Year <u>Ending</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>
06/30/2011	0.988	0.997	0.999	1.001
06/30/2012	0.985	0.996	0.999	1.000
06/30/2013	0.980	0.998	0.998	1.001
06/30/2014	0.981	0.996	0.997	1.000
06/30/2015	0.975	0.994	0.999	1.000
06/30/2016	0.978	0.993	0.998	1.000
06/30/2017	0.973	0.992	0.999	1.000
06/30/2018	0.971	0.993	0.998	0.999
06/30/2019	0.972	0.994	0.999	
06/30/2020	0.974	0.998		
06/30/2021	0.980			
Average Factor: (Best 3 of 5)	0.973	0.993	0.999	1.000

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.000
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.000
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	0.999
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	0.992
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	0.965

VERISK

Physical Damage Loss Development
Trucks, Tractors and Trailers - Collision
Multistate
Paid Losses

Accident Year <u>Ending</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
06/30/2011	390,575,287	390,556,068	390,501,098	390,479,806	390,541,481
06/30/2012	402,093,707	402,111,764	402,089,307	402,078,276	402,060,604
06/30/2013	415,328,185	415,282,334	415,011,326	414,985,727	414,957,509
06/30/2014	452,736,635	452,904,318	452,901,469	452,900,657	
06/30/2015	479,242,600	479,792,035	479,767,632		
06/30/2016	507,839,981	507,634,552			
06/30/2017	530,057,319				

Ratios

Accident Year <u>Ending</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
06/30/2011	1.000	1.000	1.000	1.000	1.000
06/30/2012	1.000	1.000	1.000	1.000	1.000
06/30/2013	1.000	1.000	0.999	1.000	1.000
06/30/2014	0.999	1.000	1.000	1.000	
06/30/2015	1.000	1.001	1.000		
06/30/2016	1.000	1.000			
06/30/2017	1.000				
Average Factor: (Best 3 of 5)	1.000	1.000	1.000	1.000	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.000

VERISK

Physical Damage Loss Development
Private Passenger Types - Other than Collision
Multistate
Paid Losses

Accident Year <u>Ending</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>
06/30/2011	68,790,318	70,385,128	70,349,093	70,333,513	70,304,878
06/30/2012	72,116,513	72,781,253	72,802,621	72,796,365	72,796,454
06/30/2013	81,517,107	82,103,069	82,158,588	82,230,860	82,243,509
06/30/2014	62,128,286	64,098,986	64,422,602	64,439,936	64,447,018
06/30/2015	55,688,723	56,767,568	56,842,305	56,845,982	56,851,910
06/30/2016	60,455,521	61,530,352	61,487,579	61,454,997	61,425,925
06/30/2017	65,462,479	67,287,047	67,228,314	67,243,525	67,286,056
06/30/2018	68,396,145	69,393,460	69,017,738	68,989,150	69,022,485
06/30/2019	64,214,463	65,493,085	65,390,974	65,268,654	
06/30/2020	62,688,872	63,764,260	63,809,213		
06/30/2021	61,313,480	62,998,341			
06/30/2022	73,898,207				

Ratios

Accident Year <u>Ending</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>
06/30/2011	1.023	0.999	1.000	1.000
06/30/2012	1.009	1.000	1.000	1.000
06/30/2013	1.007	1.001	1.001	1.000
06/30/2014	1.032	1.005	1.000	1.000
06/30/2015	1.019	1.001	1.000	1.000
06/30/2016	1.018	0.999	0.999	1.000
06/30/2017	1.028	0.999	1.000	1.001
06/30/2018	1.015	0.995	1.000	1.000
06/30/2019	1.020	0.998	0.998	
06/30/2020	1.017	1.001		
06/30/2021	1.027			
Average Factor: (Best 3 of 5)	1.021	0.999	1.000	1.000

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.000
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.000
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.000
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	0.999
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.020

VERISK

Physical Damage Loss Development
Private Passenger Types - Other than Collision
Multistate
Paid Losses

Accident Year <u>Ending</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
06/30/2011	70,311,283	70,305,081	70,309,890	70,305,323	70,313,434
06/30/2012	72,816,535	72,853,166	72,824,627	72,824,095	72,810,061
06/30/2013	82,250,027	82,245,248	82,255,122	82,250,533	82,248,884
06/30/2014	64,451,310	64,451,856	64,450,347	64,448,404	
06/30/2015	56,858,217	56,859,937	56,859,038		
06/30/2016	61,479,375	61,478,886			
06/30/2017	67,279,429				

Ratios

Accident Year <u>Ending</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
06/30/2011	1.000	1.000	1.000	1.000	1.000
06/30/2012	1.000	1.001	1.000	1.000	1.000
06/30/2013	1.000	1.000	1.000	1.000	1.000
06/30/2014	1.000	1.000	1.000	1.000	
06/30/2015	1.000	1.000	1.000		
06/30/2016	1.001	1.000			
06/30/2017	1.000				
Average Factor: (Best 3 of 5)	1.000	1.000	1.000	1.000	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.000

VERISK

Physical Damage Loss Development
Private Passenger Types - Collision
Multistate
Paid Losses

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months
06/30/2011	154,402,706	148,780,915	148,367,148	148,159,052	148,161,524
06/30/2012	165,674,098	159,822,357	159,056,458	159,002,774	158,937,243
06/30/2013	165,568,869	158,414,054	157,446,061	157,330,900	157,349,437
06/30/2014	170,783,131	162,935,937	162,207,953	162,001,008	162,009,021
06/30/2015	176,485,267	167,731,154	166,262,095	166,021,760	166,157,346
06/30/2016	183,614,032	174,758,886	173,200,245	172,924,546	172,785,047
06/30/2017	172,798,263	165,307,651	164,317,723	163,913,321	163,916,696
06/30/2018	175,849,959	166,414,590	165,414,463	165,391,366	165,393,489
06/30/2019	191,189,251	181,567,329	180,850,416	180,881,577	
06/30/2020	172,144,112	165,443,895	164,579,380		
06/30/2021	161,180,241	154,399,052			
06/30/2022	192,615,887				

Ratios

Accident Year Ending	27:15	39:27	51:39	63:51
06/30/2011	0.964	0.997	0.999	1.000
06/30/2012	0.965	0.995	1.000	1.000
06/30/2013	0.957	0.994	0.999	1.000
06/30/2014	0.954	0.996	0.999	1.000
06/30/2015	0.950	0.991	0.999	1.001
06/30/2016	0.952	0.991	0.998	0.999
06/30/2017	0.957	0.994	0.998	1.000
06/30/2018	0.946	0.994	1.000	1.000
06/30/2019	0.950	0.996	1.000	
06/30/2020	0.961	0.995		
06/30/2021	0.958			
Average Factor: (Best 3 of 5)	0.955	0.994	0.999	1.000

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.000
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.000
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	0.999
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	0.993
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	0.948

VERISK

Physical Damage Loss Development
Private Passenger Types - Collision
Multistate
Paid Losses

Accident Year <u>Ending</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
06/30/2011	148,102,370	148,098,319	148,090,797	148,080,254	148,068,750
06/30/2012	158,906,913	158,878,717	158,858,060	158,827,225	158,822,097
06/30/2013	157,315,089	157,289,448	157,219,622	157,216,524	157,209,062
06/30/2014	161,958,804	161,946,089	161,934,354	161,929,633	
06/30/2015	166,207,470	165,984,879	165,961,143		
06/30/2016	172,755,093	172,703,309			
06/30/2017	163,828,093				

Ratios

Accident Year <u>Ending</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
06/30/2011	1.000	1.000	1.000	1.000	1.000
06/30/2012	1.000	1.000	1.000	1.000	1.000
06/30/2013	1.000	1.000	1.000	1.000	1.000
06/30/2014	1.000	1.000	1.000	1.000	
06/30/2015	1.000	0.999	1.000		
06/30/2016	1.000	1.000			
06/30/2017	0.999				
Average Factor: (Best 3 of 5)	1.000	1.000	1.000	1.000	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.000

VERISK

(1)	Public Automobiles Liability	Differentials to Base Loss Cost CSL Liab
	Taxis & Limos	4.02
	School and Church Buses	0.38
	Other Buses	3.16
	Van Pools	0.95
(2)	Public Automobiles Physical Damage	
	Taxis, Limos and Van Pools	
	Other Than Collision:	1.52
	Collision	2.25
	School, Church, and Other Buses	
	Other Than Collision:	0.68
	Collision	0.63
(3)	Medical Payments Relativities	<u>EXHIBIT C20</u>
(4)	Specified Cause of Loss Relativity	0.648
	This factor is used for Trucks, Tractors, & Trailers and Private Passenger Types.	
(5)	The loss cost for hired autos is set forth in Section E. It applies in all territories and is calculated as 0.25% of the statewide \$100,000 Combined Single Limit average loss cost for all Trucks, Tractors, & Trailers.	

VERISK

(3) Medical Payments Relativities

Territory

103

104

105

106

110

111

112

113

Class of Business

Trucks, Tractors, & Trailers	Private Passenger Types	Other Buses	School and Church Buses	Taxicabs and Limousines	Van Pools
<u>5000</u>	<u>5000</u>	<u>5000</u>	<u>5000</u>	<u>5000</u>	<u>5000</u>
0.0185	0.0318	0.0496	0.0682	0.0416	0.0321
0.0160	0.0318	0.0379	0.0515	0.0416	0.0321
0.0250	0.0318	0.0649	0.0931	0.0416	0.0321
0.0143	0.0318	0.0382	0.0546	0.0416	0.0321
0.0172	0.0318	0.0491	0.0688	0.0416	0.0321
0.0137	0.0318	0.0344	0.0465	0.0416	0.0321
0.0143	0.0318	0.0343	0.0475	0.0416	0.0321
0.0203	0.0318	0.0580	0.0808	0.0416	0.0321

VERISK

AUTOMOBILE LIABILITY INSURANCE - TRUCKS, TRACTORS, AND TRAILERS (A)
 DETERMINATION OF MULTISTATE* RATIO
 SINGLE LIMIT LIABILITY COVERAGE

ACCIDENT YEAR ENDING	(1) AGGREGATE LOSS COST AT CURRENT LEVEL (B)	(2) \$100,000 INCURRED LOSSES (C) #	(3) EXPERIENCE RATIO (2) / (1)	(4) NUMBER OF INCURRED CLAIMS
12/31/15	\$1,695,481,129	\$1,216,370,119	0.717	141,720
12/31/16	\$1,694,886,344	\$1,338,862,520	0.790	147,199
12/31/17	\$1,758,623,845	\$1,412,124,224	0.803	148,092
12/31/18	\$1,775,807,756	\$1,493,898,944	0.841	148,382
12/31/19	\$1,816,865,578	\$1,535,666,287	0.845	141,088
COMBINED	\$8,741,664,652	\$6,996,922,094	0.800	

(A) TRUCK, TRACTOR, AND TRAILER EXPERIENCE IS FOR VEHICLES WRITTEN IN ACCORDANCE WITH RULE 23 OF THE COMMERCIAL LINES MANUAL, DIVISION 1, AUTOMOBILE.

(B) THE AGGREGATE LOSS COST AT CURRENT LEVEL IS CALCULATED BY EXTENDING EXPOSURES BY THE CURRENT LOSS COSTS FROM THE LAST REVISION.

(C) LOSSES INCLUDE ALLOCATED LOSS ADJUSTMENT EXPENSES FOR BODILY INJURY AND PROPERTY DAMAGE LIABILITY. SEE FOLLOWING PAGE.

* EXCLUDES MASSACHUSETTS

INCURRED LOSSES AND LOSS ADJUSTMENT EXPENSES ARE NOT TRENDED. TREND FACTORS FOR HIRED AUTOS LIABILITY COVERAGE ARE ASSUMED TO BE THE SAME AS THOSE FOR TRUCKS, TRACTORS & TRAILERS. THEREFORE THEY FAIL TO IMPACT THE RESULT OF THE ANALYSIS.

VERISK

AUTOMOBILE LIABILITY INSURANCE - TRUCKS, TRACTORS, AND TRAILERS (A)
 DETERMINATION OF MULTISTATE RATIO
 SINGLE LIMIT LIABILITY COVERAGE

	ACC. YEAR ENDING	BODILY INJURY	PROPERTY DAMAGE	COMBINED
(1) INCURRED LOSSES AND	12/31/15	\$741,049,106	\$469,195,278	
ALLOCATED LOSS	12/31/16	\$816,927,778	\$500,825,997	
ADJUSTMENT EXPENSES	12/31/17	\$825,731,341	\$514,768,571	
	12/31/18	\$762,564,883	\$552,987,283	
	12/31/19	\$612,974,289	\$538,742,878	
(2) DEVELOPED LOSSES (A)	12/31/15	\$746,236,450	\$470,133,669	\$1,216,370,119
ALLOCATED LOSS	12/31/16	\$836,534,045	\$502,328,475	\$1,338,862,520
ADJUSTMENT EXPENSES	12/31/17	\$894,267,042	\$517,857,182	\$1,412,124,224
	12/31/18	\$932,616,852	\$561,282,092	\$1,493,898,944
	12/31/19	\$962,982,608	\$572,683,679	\$1,535,666,287

(A) INCURRED LOSSES AND ALLOCATED LOSS ADJUSTMENT EXPENSES ARE ADJUSTED
 BY THE FOLLOWING FACTORS:

1 - LOSS DEVELOPMENT FACTORS:

YEAR ENDING	B.I.	P.D.
12/31/15	1.007	1.002
12/31/16	1.024	1.003
12/31/17	1.083	1.006
12/31/18	1.223	1.015
12/31/19	1.571	1.063

VERISK

Basic Limits Loss Development
Trucks, Tractors and Trailers - Bodily Injury
Multistate
Incurred Losses and Expenses

Accident Year <u>Ending</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>
12/31/2008	439,353,499	542,693,946	597,649,276	623,261,676	630,849,960
12/31/2009	401,557,300	493,285,209	551,071,107	577,544,124	583,346,772
12/31/2010	429,368,879	528,543,849	585,717,453	615,099,286	625,805,466
12/31/2011	467,222,413	573,293,761	642,470,690	669,865,627	680,194,418
12/31/2012	468,928,545	579,646,313	642,135,152	675,577,797	688,252,766
12/31/2013	469,112,375	585,476,797	657,913,708	705,901,632	721,733,195
12/31/2014	491,731,994	617,212,663	709,907,294	754,903,548	768,642,783
12/31/2015	517,295,745	678,036,454	770,395,228	813,058,719	825,643,781
12/31/2016	592,172,728	765,940,113	865,697,689	908,528,688	
12/31/2017	647,405,741	826,797,971	925,954,071		
12/31/2018	665,324,582	853,140,122			
12/31/2019	671,580,703				

Ratios

Accident Year <u>Ending</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>
12/31/2008	1.235	1.101	1.043	1.012
12/31/2009	1.228	1.117	1.048	1.010
12/31/2010	1.231	1.108	1.050	1.017
12/31/2011	1.227	1.121	1.043	1.015
12/31/2012	1.236	1.108	1.052	1.019
12/31/2013	1.248	1.124	1.073	1.022
12/31/2014	1.255	1.150	1.063	1.018
12/31/2015	1.311	1.136	1.055	1.015
12/31/2016	1.293	1.130	1.049	
12/31/2017	1.277	1.120		
12/31/2018	1.282			
Average Factor: (Best 3 of 5)	1.284	1.130	1.057	1.017

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.007
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.024
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.083
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.223
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.571

VERISK

Basic Limits Loss Development
Trucks, Tractors and Trailers - Bodily Injury
Multistate
Incurred Losses and Expenses

Accident Year <u>Ending</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
12/31/2008	635,767,673	636,344,644	636,794,850	637,052,710	637,210,674
12/31/2009	586,753,888	586,789,252	586,580,333	586,541,323	586,482,648
12/31/2010	626,777,014	627,824,813	628,675,222	629,054,184	629,066,560
12/31/2011	689,840,241	690,628,074	691,258,298	691,061,713	
12/31/2012	690,302,704	691,589,499	692,694,902		
12/31/2013	725,915,042	727,050,222			
12/31/2014	771,137,285				

Ratios

Accident Year <u>Ending</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
12/31/2008	1.008	1.001	1.001	1.000	1.000
12/31/2009	1.006	1.000	1.000	1.000	1.000
12/31/2010	1.002	1.002	1.001	1.001	1.000
12/31/2011	1.014	1.001	1.001	1.000	
12/31/2012	1.003	1.002	1.002		
12/31/2013	1.006	1.002			
12/31/2014	1.003				
Average Factor: (Best 3 of 5)	1.004	1.002	1.001	1.000	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.001
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.003

VERISK

Basic Limits Loss Development
Trucks, Tractors and Trailers - Property Damage
Multistate
Incurred Losses and Expenses

Accident Year <u>Ending</u>	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>
12/31/2008	415,335,616	425,740,204	427,873,952	428,304,946	428,644,132
12/31/2009	360,662,622	367,936,780	369,234,480	369,935,178	369,637,384
12/31/2010	383,121,625	394,877,122	397,046,974	397,614,411	396,903,589
12/31/2011	418,432,238	431,027,343	434,070,032	435,832,609	436,382,368
12/31/2012	417,809,264	432,184,972	436,322,398	437,086,676	437,861,932
12/31/2013	436,449,371	453,731,745	459,025,371	460,354,924	460,305,063
12/31/2014	457,300,547	478,282,691	482,394,156	483,629,737	484,079,018
12/31/2015	486,178,994	507,706,524	511,861,053	512,575,145	513,842,150
12/31/2016	514,873,275	538,024,503	543,502,850	545,070,501	
12/31/2017	528,534,480	555,508,246	560,312,708		
12/31/2018	568,842,189	600,176,177			
12/31/2019	577,870,351				

Ratios

Accident Year <u>Ending</u>	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>
12/31/2008	1.025	1.005	1.001	1.001
12/31/2009	1.020	1.004	1.002	0.999
12/31/2010	1.031	1.005	1.001	0.998
12/31/2011	1.030	1.007	1.004	1.001
12/31/2012	1.034	1.010	1.002	1.002
12/31/2013	1.040	1.012	1.003	1.000
12/31/2014	1.046	1.009	1.003	1.001
12/31/2015	1.044	1.008	1.001	1.002
12/31/2016	1.045	1.010	1.003	
12/31/2017	1.051	1.009		
12/31/2018	1.055			
Average Factor: (Best 3 of 5)	1.047	1.009	1.003	1.001

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.002
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.003
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.006
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.015
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.063

VERISK

Basic Limits Loss Development
Trucks, Tractors and Trailers - Property Damage
Multistate
Incurred Losses and Expenses

Accident Year <u>Ending</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
12/31/2008	428,763,175	428,829,267	428,899,898	428,818,170	428,932,829
12/31/2009	369,870,540	369,912,823	370,154,393	370,218,043	370,140,876
12/31/2010	398,137,342	398,165,693	398,103,449	398,154,645	398,212,894
12/31/2011	438,061,177	438,301,930	438,727,627	438,969,640	
12/31/2012	438,533,967	438,840,161	438,699,520		
12/31/2013	460,288,235	460,466,532			
12/31/2014	484,453,839				

Ratios

Accident Year <u>Ending</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
12/31/2008	1.000	1.000	1.000	1.000	1.000
12/31/2009	1.001	1.000	1.001	1.000	1.000
12/31/2010	1.003	1.000	1.000	1.000	1.000
12/31/2011	1.004	1.001	1.001	1.001	
12/31/2012	1.002	1.001	1.000		
12/31/2013	1.000	1.000			
12/31/2014	1.001				
Average Factor: (Best 3 of 5)	1.002	1.000	1.000	1.000	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.000

VERISK

COMMERCIAL AUTOMOBILE LIABILITY
CLASS 6625 - HIRED AUTOS - NON-TRUCKERS EXCESS LIABILITY
(NO HOLD HARLEMSS AGREEMENT)
DETERMINATION OF MULTISTATE* ADVISORY LOSS COST LEVEL CHANGE
SINGLE LIMIT LIABILITY COVERAGE

	(1) AGGREGATE	(2)	(3)	(4)	(5)
ACCIDENT YEAR ENDING	LOSS COST AT CURRENT LEVEL (B)	\$100,000 INCURRED LOSSES (C) #	EXPERIENCE RATIO (2) / (1)	YEARLY INDICATED CHANGE (3) / (3:Step 1)	NUMBER OF INCURRED CLAIMS
12/31/15	\$7,511,353	\$12,306,486	1.638	2.285	1,289
12/31/16	\$8,333,480	\$13,449,405	1.614	2.043	1,283
12/31/17	\$8,553,464	\$14,932,052	1.746	2.174	1,347
12/31/18	\$9,231,348	\$14,819,905	1.605	1.908	1,557
12/31/19	\$10,248,018	\$15,938,394	1.555	1.840	1,319
COMBINED	\$43,877,663	\$71,446,242	1.628		6,795
(6)	MULTISTATE EXPERIENCE RATIO FOR TRUCKS, TRACTORS & TRAILERS				0.800
(7)	INDICATED CHANGE IN RELATIVITY EXPRESSED AS A MULTIPLICATIVE FACTOR [(3) / (6)]				2.034
(8)	CURRENT RELATIVITY				0.0015
(9)	INDICATED RELATIVITY [(7) * (8)]				0.0031
(10)	SELECTED RELATIVITY@				0.0025
(11)	FILED CHANGE [{(10)/(8)}-1]				66.7%
(A)	THE AGGREGATE LOSS COST AT CURRENT LEVEL IS CALCULATED BY EXTENDING EXPOSURES BY THE CURRENT LOSS COSTS FROM THE LAST REVISION.				
(B)	LOSSES INCLUDE ALLOCATED LOSS ADJUSTMENT EXPENSES FOR BODILY INJURY AND PROPERTY DAMAGE LIABILITY. SEE FOLLOWING PAGE.				

* EXCLUDES MASSACHUSETTS

INCURRED LOSSES AND LOSS ADJUSTMENT EXPENSES ARE NOT TRENDED. TREND FACTORS
FOR HIRED AUTOS LIABILITY COVERAGE ARE ASSUMED TO BE THE SAME AS THOSE FOR
TRUCKS, TRACTORS & TRAILERS. THEREFORE THEY FAIL TO IMPACT THE RESULT OF
THE ANALYSIS.

@ THIS RELATIVITY WAS SELECTED TO TEMPER THE INDICATION AND IN VIEW OF THE APPARENT
DOWNWARD TREND IN THE INDICATED RELATIVITY OVER TIME.

VERISK

COMMERCIAL AUTOMOBILE LIABILITY
 CLASS 6625 - HIRED AUTOS - NON-TRUCKERS EXCESS LIABILITY
 (NO HOLD HARLEMSS AGREEMENT)
 DETERMINATION OF MULTISTATE ADVISORY LOSS COST LEVEL CHANGE
 SINGLE LIMIT LIABILITY COVERAGE

	ACC. YEAR ENDING	BODILY INJURY	PROPERTY DAMAGE	COMBINED
(1) INCURRED LOSSES AND	12/31/15	\$8,600,860	\$3,748,630	
ALLOCATED LOSS	12/31/16	\$9,487,806	\$3,650,688	
ADJUSTMENT EXPENSES	12/31/17	\$9,739,664	\$4,052,847	
	12/31/18	\$7,775,381	\$4,856,746	
	12/31/19	\$6,113,149	\$4,249,244	
(2) DEVELOPED LOSSES AND	12/31/15	\$8,557,856	\$3,748,630	\$12,306,486
ALLOCATED LOSS	12/31/16	\$9,791,416	\$3,657,989	\$13,449,405
ADJUSTMENT EXPENSES	12/31/17	\$10,879,205	\$4,052,847	\$14,932,052
	12/31/18	\$9,929,162	\$4,890,743	\$14,819,905
	12/31/19	\$11,370,457	\$4,567,937	\$15,938,394

(A) INCURRED LOSSES AND ALLOCATED LOSS ADJUSTMENT EXPENSES ARE ADJUSTED
 BY THE FOLLOWING FACTORS:

1 - LOSS DEVELOPMENT FACTORS:

YEAR ENDING	B.I.	P.D.
12/31/15	0.995	1.000
12/31/16	1.032	1.002
12/31/17	1.117	1.000
12/31/18	1.277	1.007
12/31/19	1.860	1.075

VERISK

Basic Limits Loss Development
Class 6625 - Hired Autos - Non-Truckers Excess Liability
(No Hold Harmless Agreement)
Bodily Injury
Incurred Losses and Expenses

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months
12/31/2008	2,727,127	3,284,885	4,312,074	4,322,507	4,356,438
12/31/2009	2,108,073	2,830,494	3,016,414	3,477,674	3,527,607
12/31/2010	3,189,234	4,814,247	5,186,491	5,275,930	5,586,785
12/31/2011	3,624,563	5,166,337	6,781,273	7,084,483	7,287,458
12/31/2012	5,319,631	7,847,293	9,521,782	9,627,949	9,722,803
12/31/2013	6,446,996	8,963,692	10,053,872	10,779,721	13,401,530
12/31/2014	6,742,182	9,226,224	10,264,164	11,193,977	11,998,124
12/31/2015	5,451,589	8,580,017	10,560,793	11,626,805	11,563,998
12/31/2016	7,182,122	10,742,228	12,436,048	13,516,850	
12/31/2017	7,823,830	11,765,996	13,517,560		
12/31/2018	8,030,788	10,653,095			
12/31/2019	8,770,398				

Ratios

Accident Year Ending	27:15	39:27	51:39	63:51
12/31/2008	1.205	1.313	1.002	1.008
12/31/2009	1.343	1.066	1.153	1.014
12/31/2010	1.510	1.077	1.017	1.059
12/31/2011	1.425	1.313	1.045	1.029
12/31/2012	1.475	1.213	1.011	1.010
12/31/2013	1.390	1.122	1.072	1.243
12/31/2014	1.368	1.112	1.091	1.072
12/31/2015	1.574	1.231	1.101	0.995
12/31/2016	1.496	1.158	1.087	
12/31/2017	1.504	1.149		
12/31/2018	1.327			
Average Factor: (Best 3 of 5)	1.456	1.143	1.083	1.037

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	0.995
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.032
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.117
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.277
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.860

VERISK

Basic Limits Loss Development
 Class 6625 - Hired Autos - Non-Truckers Excess Liability
 (No Hold Harmless Agreement)
 Bodily Injury
 Incurred Losses and Expenses

Accident Year <u>Ending</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
12/31/2008	4,330,982	4,271,928	4,271,928	4,271,928	4,271,928
12/31/2009	3,508,471	3,409,171	3,323,705	3,282,058	3,282,058
12/31/2010	5,597,330	5,609,017	5,620,002	5,640,749	5,626,253
12/31/2011	7,447,076	7,330,351	7,347,214	7,357,686	
12/31/2012	9,640,896	9,632,586	9,619,812		
12/31/2013	13,097,650	13,207,338			
12/31/2014	12,083,009				

Ratios

Accident Year <u>Ending</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
12/31/2008	0.994	0.986	1.000	1.000	1.000
12/31/2009	0.995	0.972	0.975	0.987	1.000
12/31/2010	1.002	1.002	1.002	1.004	0.997
12/31/2011	1.022	0.984	1.002	1.001	
12/31/2012	0.992	0.999	0.999		
12/31/2013	0.977	1.008			
12/31/2014	1.007				
Average Factor: (Best 3 of 5)	1.000	0.995	1.000	1.001	0.999

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	0.999
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	0.995

VERISK

Basic Limits Loss Development
Class 6625 - Hired Autos - Non-Truckers Excess Liability
(No Hold Harmless Agreement)
Property Damage
Incurred Losses and Expenses

Accident Year Ending	15 Months	27 Months	39 Months	51 Months	63 Months
12/31/2008	1,980,622	2,061,594	2,144,981	2,138,447	2,119,916
12/31/2009	1,504,156	1,657,357	1,675,432	1,709,092	1,702,469
12/31/2010	2,545,541	2,476,203	2,508,783	2,575,801	2,475,840
12/31/2011	3,746,362	4,056,985	3,987,156	3,834,780	3,840,198
12/31/2012	5,098,322	5,274,711	5,346,947	5,463,836	5,435,734
12/31/2013	4,937,659	5,263,304	5,225,484	5,255,072	5,272,288
12/31/2014	5,032,042	5,447,866	5,422,221	5,415,705	5,419,431
12/31/2015	4,901,178	5,190,479	5,205,551	5,153,211	5,215,217
12/31/2016	5,610,328	5,733,961	5,857,952	5,779,936	
12/31/2017	4,773,428	5,122,749	5,236,590		
12/31/2018	5,633,009	6,040,575			
12/31/2019	5,546,190				

Ratios

Accident Year Ending	27:15	39:27	51:39	63:51
12/31/2008	1.041	1.040	0.997	0.991
12/31/2009	1.102	1.011	1.020	0.996
12/31/2010	0.973	1.013	1.027	0.961
12/31/2011	1.083	0.983	0.962	1.001
12/31/2012	1.035	1.014	1.022	0.995
12/31/2013	1.066	0.993	1.006	1.003
12/31/2014	1.083	0.995	0.999	1.001
12/31/2015	1.059	1.003	0.990	1.012
12/31/2016	1.022	1.022	0.987	
12/31/2017	1.073	1.022		
12/31/2018	1.072			
Average Factor: (Best 3 of 5)	1.068	1.007	0.998	1.002

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.000
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.002
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.000
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.007
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.075

VERISK

Basic Limits Loss Development
Class 6625 - Hired Autos - Non-Truckers Excess Liability
(No Hold Harmless Agreement)
Property Damage
Incurred Losses and Expenses

Accident Year Ending	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
12/31/2008	2,117,516	2,105,313	2,105,313	2,105,313	2,105,313
12/31/2009	1,697,469	1,697,469	1,698,478	1,672,586	1,672,586
12/31/2010	2,439,039	2,439,039	2,439,039	2,439,039	2,439,039
12/31/2011	3,840,078	3,834,669	3,834,669	3,834,669	
12/31/2012	5,432,384	5,435,643	5,435,607		
12/31/2013	5,293,612	5,393,038			
12/31/2014	5,420,193				

Ratios

Accident Year Ending	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
12/31/2008	0.999	0.994	1.000	1.000	1.000
12/31/2009	0.997	1.000	1.001	0.985	1.000
12/31/2010	0.985	1.000	1.000	1.000	1.000
12/31/2011	1.000	0.999	1.000	1.000	
12/31/2012	0.999	1.001	1.000		
12/31/2013	1.004	1.019			
12/31/2014	1.000				
Average Factor: (Best 3 of 5)	1.000	1.000	1.000	1.000	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.000

VERISK

COMMERCIAL AUTOMOBILE PHYSICAL DAMAGE
CLASS 6614 - HIRED AUTOS
DETERMINATION OF MULTISTATE* ADVISORY LOSS COST LEVEL CHANGE

	(1)	(2)	(3)	(4)	(5)
		AGGREGATE		EXPERIENCE	NUMBER OF
COVERAGE	ACCIDENT YEAR	LOSS COST AT	INCURRED	RATIO (2) /	PAID
	ENDING	CURRENT	LOSSES (B)	(1)	CLAIMS
O.T.C	03/31/17	\$1,870,852	\$2,358,018	1.260	445
	03/31/18	\$1,424,334	\$2,460,064	1.727	430
	03/31/19	\$1,233,541	\$2,271,727	1.842	521
	03/31/20	\$1,377,505	\$1,726,074	1.253	439
	03/31/21	\$1,394,846	\$1,172,207	0.840	182
5 YEAR TOTAL		\$7,301,078	\$9,988,090	1.368	2,017
COLL.	03/31/17	\$4,104,187	\$12,707,342	3.096	1,629
	03/31/18	\$3,549,939	\$11,007,592	3.101	1,441
	03/31/19	\$3,356,121	\$10,003,508	2.981	1,423
	03/31/20	\$3,524,435	\$8,509,084	2.414	1,253
	03/31/21	\$2,768,330	\$3,411,356	1.232	401
5 YEAR TOTAL		\$17,303,012	\$45,638,882	2.638	6,147
				O.T.C.	COLLISION
(6)	MULTISTATE EXPERIENCE RATIO.			1.368	2.638
(7)	INDICATED PERCENTAGE CHANGE IN ADVISORY LOSS COST LEVEL ((6) - 1.000).			36.8%	163.8%
(8)	FILED CHANGE.			36.8%	163.8%

* EXCLUDES MASSACHUSETTS

(A) THE AGGREGATE LOSS COST AT CURRENT LEVEL IS CALCULATED BY DIVIDING THE ANNUAL COST OF HIRE BY ONE HUNDRED AND MULTIPLYING THE RESULT BY THE LOSS COST FOR THE COVERAGE AND DEDUCTIBLE.

(B) LOSSES INCLUDE ALL LOSS ADJUSTMENT EXPENSES FOR O.T.C. AND COLL.
SEE FOLLOWING PAGE.

VERISK

COMMERCIAL AUTOMOBILE PHYSICAL DAMAGE
CLASS 6614 - HIRED AUTOS
DETERMINATION OF PHYSICAL DAMAGE LOSSES

	ACC. YEAR ENDING	O.T.C	COLLISION
(1) PAID LOSSES	03/31/17	\$1,434,187	\$8,545,164
	03/31/18	\$1,578,715	\$7,700,579
	03/31/19	\$1,538,162	\$7,274,167
	03/31/20	\$1,234,083	\$6,514,207
	03/31/21	\$836,747	\$2,667,461
(2) DEVELOPED LOSSES AND	03/31/17	\$1,620,631	\$9,656,035
ALL LOSS ADJUSTMENT	03/31/18	\$1,783,948	\$8,701,654
EXPENSES (A)	03/31/19	\$1,738,123	\$8,219,809
	03/31/20	\$1,393,119	\$7,272,721
	03/31/21	\$998,473	\$3,032,316
(3) SELECTED ANNUAL LOSS TREND		5.5%	4.0%
(4) TRENDED LOSSES AND	03/31/17	\$2,358,018	\$12,707,342
ALL LOSS ADJUSTMENT	03/31/18	\$2,460,064	\$11,007,592
EXPENSES (B)	03/31/19	\$2,271,727	\$10,003,508
	03/31/20	\$1,726,074	\$8,509,084
	03/31/21	\$1,172,207	\$3,411,356

(A) PAID LOSSES ARE ADJUSTED BY THE FOLLOWING:

1 - LOSS ADJUSTMENT EXPENSE FACTORS:

O.T.C	COLL.
1.130	1.130

2 - LOSS DEVELOPMENT FACTORS:

YEAR ENDING	O.T.C.	COLL.
03/31/17	1.000	1.000
03/31/18	1.000	1.000
03/31/19	1.000	1.000
03/31/20	0.999	0.988
03/31/21	1.056	1.006

(B) TRENDED LOSSES ARE EQUAL TO (2) * ((1.0 + (3)) ** N), WHERE N IS EQUAL TO THE NUMBER OF YEARS PROJECTION FROM THE AVERAGE DATE OF ACCIDENT TO ONE YEAR BEYOND THE ANTICIPATED IMPLEMENTATION DATE OF 10/01/22 WHICH IS ASSUMED FOR THE PURPOSE OF TRENDING BOTH OTC AND COLLISION.

YEAR ENDING	AVERAGE DATE OF ACCIDENT	PROJECTION PERIOD OTC	PROJECTION PERIOD COLL
03/31/17	10/1/16	7.000	7.000
03/31/18	10/1/17	6.000	6.000
03/31/19	10/1/18	5.000	5.000
03/31/20	10/1/19	4.000	4.000
03/31/21	10/1/20	3.000	3.000

VERISK

Physical Damage Loss Development
Class 6614 - Hired Autos Other than Collision
Multistate
Paid Losses

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>
03/31/2010	1,285,108	1,371,867	1,334,046	1,333,044	1,332,928
03/31/2011	2,119,490	2,072,364	2,104,344	1,981,844	1,981,844
03/31/2012	1,973,654	2,127,182	2,163,929	2,161,130	2,163,377
03/31/2013	2,431,661	2,394,546	2,443,704	2,502,330	2,526,387
03/31/2014	1,357,094	1,291,442	1,291,599	1,292,818	1,292,900
03/31/2015	1,367,205	1,348,485	1,348,248	1,348,248	1,347,493
03/31/2016	1,309,499	1,414,147	1,414,251	1,414,251	1,414,251
03/31/2017	1,393,080	1,446,320	1,442,339	1,434,237	1,434,237
03/31/2018	1,492,485	1,590,431	1,578,687	1,578,715	
03/31/2019	1,468,800	1,537,494	1,538,162		
03/31/2020	1,165,313	1,234,083			
03/31/2021	836,747				

Ratios

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>
03/31/2010	1.068	0.972	0.999	1.000
03/31/2011	0.978	1.015	0.942	1.000
03/31/2012	1.078	1.017	0.999	1.001
03/31/2013	0.985	1.021	1.024	1.010
03/31/2014	0.952	1.000	1.001	1.000
03/31/2015	0.986	1.000	1.000	0.999
03/31/2016	1.080	1.000	1.000	1.000
03/31/2017	1.038	0.997	0.994	1.000
03/31/2018	1.066	0.993	1.000	
03/31/2019	1.047	1.000		
03/31/2020	1.059			
Average Factor: (Best 3 of 5)	1.057	0.999	1.000	1.000

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.000
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.000
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.000
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	0.999
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.056

VERISK

Physical Damage Loss Development
 Class 6614 - Hired Autos Other than Collision
 Multistate
 Paid Losses

Accident Year <u>Ending</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
03/31/2010	1,331,375	1,330,773	1,330,773	1,330,773	1,330,773
03/31/2011	2,030,463	2,037,742	2,037,742	2,037,742	2,037,742
03/31/2012	2,165,790	2,165,790	2,165,790	2,165,790	2,165,790
03/31/2013	2,526,387	2,526,387	2,526,387	2,524,748	
03/31/2014	1,292,900	1,292,900	1,292,900		
03/31/2015	1,349,904	1,349,904			
03/31/2016	1,414,251				

Ratios

Accident Year <u>Ending</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
03/31/2010	0.999	1.000	1.000	1.000	1.000
03/31/2011	1.025	1.004	1.000	1.000	1.000
03/31/2012	1.001	1.000	1.000	1.000	1.000
03/31/2013	1.000	1.000	1.000	0.999	
03/31/2014	1.000	1.000	1.000		
03/31/2015	1.002	1.000			
03/31/2016	1.000				
Average Factor: (Best 3 of 5)	1.000	1.000	1.000	1.000	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.000

VERISK

Physical Damage Loss Development
Class 6614 - Hired Autos Collision
Multistate
Paid Losses

Accident Year Ending	<u>15 Months</u>	<u>27 Months</u>	<u>39 Months</u>	<u>51 Months</u>	<u>63 Months</u>
03/31/2010	5,541,442	5,476,586	5,436,736	5,442,327	5,421,531
03/31/2011	7,395,246	7,124,216	7,052,187	7,022,712	7,021,049
03/31/2012	7,847,913	8,066,066	8,016,194	8,002,310	7,411,632
03/31/2013	7,237,599	7,208,141	7,633,465	7,613,941	7,581,420
03/31/2014	8,304,911	8,502,984	8,476,725	8,494,370	8,499,196
03/31/2015	8,018,911	8,373,250	8,167,327	8,255,027	8,279,449
03/31/2016	7,463,495	7,696,050	7,480,718	7,449,159	7,435,649
03/31/2017	8,748,475	8,684,832	8,603,979	8,529,132	8,545,164
03/31/2018	7,046,439	7,709,671	7,686,166	7,700,579	
03/31/2019	7,057,480	7,259,632	7,274,167		
03/31/2020	6,694,733	6,514,207			
03/31/2021	2,667,461				

Ratios

Accident Year Ending	<u>27:15</u>	<u>39:27</u>	<u>51:39</u>	<u>63:51</u>
03/31/2010	0.988	0.993	1.001	0.996
03/31/2011	0.963	0.990	0.996	1.000
03/31/2012	1.028	0.994	0.998	0.926
03/31/2013	0.996	1.059	0.997	0.996
03/31/2014	1.024	0.997	1.002	1.001
03/31/2015	1.044	0.975	1.011	1.003
03/31/2016	1.031	0.972	0.996	0.998
03/31/2017	0.993	0.991	0.991	1.002
03/31/2018	1.094	0.997	1.002	
03/31/2019	1.029	1.002		
03/31/2020	0.973			
Average Factor: (Best 3 of 5)	1.018	0.988	1.000	1.000

Summary of Factors

63 to Ult:	(75:63) (75:Ult) =	1.000
51 to Ult:	(63:51) (75:63) (75:Ult) =	1.000
39 to Ult:	(51:39) (63:51) (75:63) (75:Ult) =	1.000
27 to Ult:	(39:27) (51:39) (63:51) (75:63) (75:Ult) =	0.988
15 to Ult:	(27:15) (39:27) (51:39) (63:51) (75:63) (75:Ult) =	1.006

VERISK

Physical Damage Loss Development
 Class 6614 - Hired Autos Collision
 Multistate
 Paid Losses

Accident Year <u>Ending</u>	<u>75 Months</u>	<u>87 Months</u>	<u>99 Months</u>	<u>111 Months</u>	<u>123 Months</u>
03/31/2010	5,421,422	5,421,286	5,421,286	5,419,786	5,419,786
03/31/2011	7,025,718	7,026,860	7,026,711	7,026,711	7,026,711
03/31/2012	7,400,763	7,399,965	7,399,965	7,399,965	7,399,965
03/31/2013	7,590,229	7,556,370	7,553,406	7,554,231	
03/31/2014	8,485,967	8,481,989	8,480,107		
03/31/2015	8,277,625	8,275,058			
03/31/2016	7,434,356				

Ratios

Accident Year <u>Ending</u>	<u>75:63</u>	<u>87:75</u>	<u>99:87</u>	<u>111:99</u>	<u>123:111</u>
03/31/2010	1.000	1.000	1.000	1.000	1.000
03/31/2011	1.001	1.000	1.000	1.000	1.000
03/31/2012	0.999	1.000	1.000	1.000	1.000
03/31/2013	1.001	0.996	1.000	1.000	
03/31/2014	0.998	1.000	1.000		
03/31/2015	1.000	1.000			
03/31/2016	1.000				
Average Factor: (Best 3 of 5)	1.000	1.000	1.000	1.000	1.000

Summary of Factors

123 to Ult:	(1.000)	=	1.000
111 to Ult:	(123:111) (123:Ult)	=	1.000
99 to Ult:	(111:99) (123:111) (123:Ult)	=	1.000
87 to Ult:	(99:87) (111:99) (123:111) (123:Ult)	=	1.000
75 to Ult:	(87:75) (99:87) (111:99) (123:111) (123:Ult)	=	1.000

VERISK

Multistate*
Trucks, Tractors & Trailers Physical Damage
Other Than Collision

Frequency (expressed as claims per 100 exposures)

	\$500 Deductible		\$1,000 Deductible		\$2,000 Deductible	
Year Ending:	Actual	Change**	Actual	Change**	Actual	Change**
6/30/2016	1.19		0.76		0.57	
12/31/2016	1.16		0.73		0.55	
6/30/2017	1.16		0.72		0.55	
12/31/2017	1.21	4.3%	0.76	4.1%	0.57	3.6%
6/30/2018	1.28		0.79		0.59	
12/31/2018	1.34	10.7%	0.82	7.9%	0.61	7.0%
6/30/2019	1.40		0.85		0.63	
12/31/2019	1.42	6.0%	0.85	3.7%	0.63	3.3%
6/30/2020	1.35		0.82		0.60	
12/31/2020	1.34	-5.6%	0.81	-4.7%	0.58	-7.9%

Volume*** of losses for the most recent year by deductible:

Deductible:	Percent of Losses
Full	0.6%
\$50	0.7%
\$100	2.3%
\$200	0.1%
\$250	9.2%
\$500	34.1%
\$1,000	45.7%
\$2,000	4.5%
\$3,000	1.1%
\$5,000	1.7%

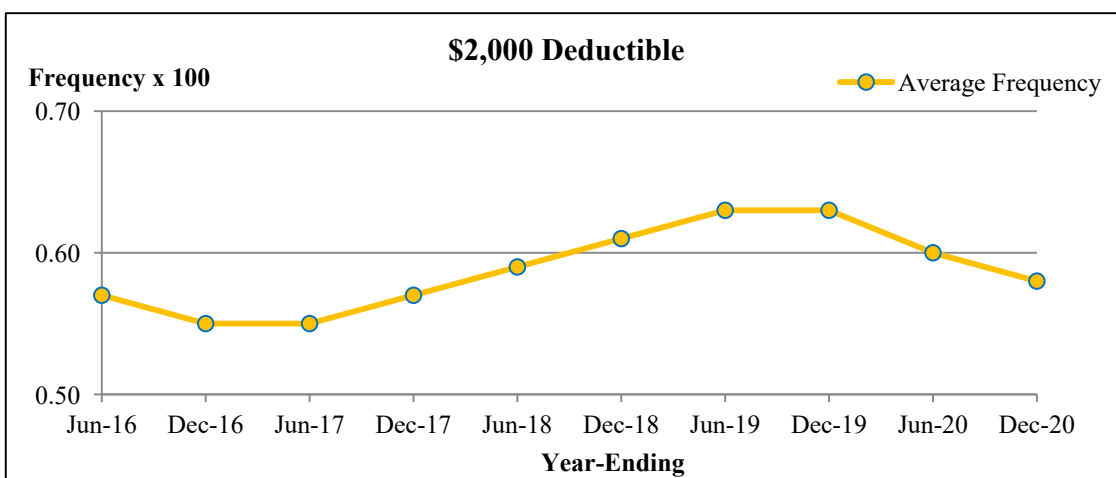
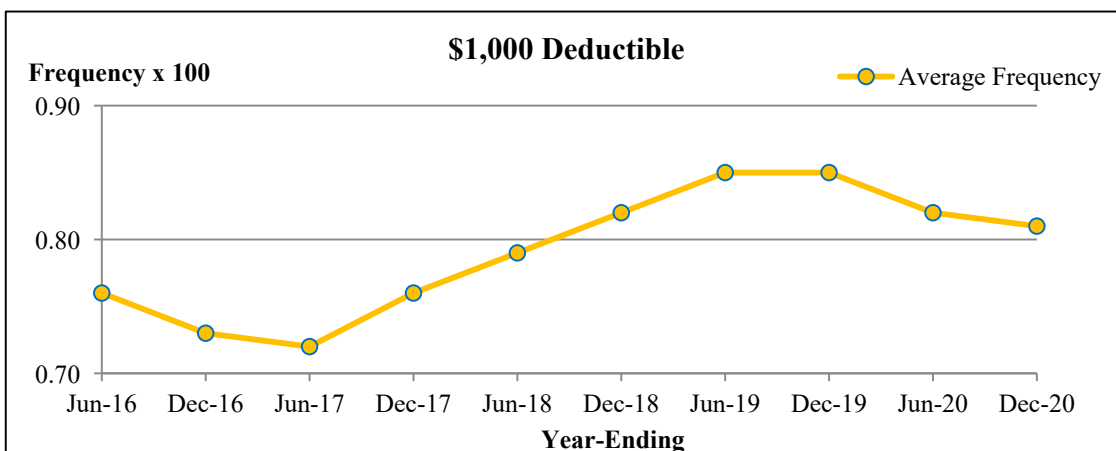
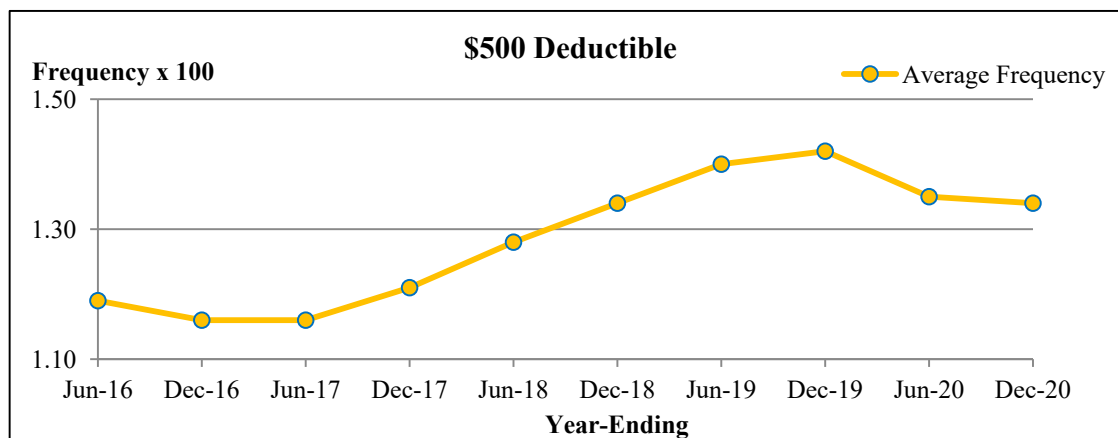
* Multistate data excludes Massachusetts

** Change based on years ending 12/31/xxxx

*** Deductibles above \$2,000, totaling 2.8% of losses, are excluded from the trend calculations.

VERISK

Commercial Automobile
Trucks, Tractors & Trailers Physical Damage
Other Than Collision Frequency Trend
Multistate*



*Excludes Massachusetts

Selected Other Than Collision Frequency Trend Factor: 0.0%

VERISK

Multistate*
Trucks, Tractors & Trailers Physical Damage
Other Than Collision

Severity Trend

Year Ending:	\$500 Deductible	\$1,000 Deductible	\$2,000 Deductible
6/30/2016	4,398.57	6,753.17	8,059.51
12/31/2016	4,414.93	7,057.00	8,435.77
6/30/2017	4,710.32	7,324.30	8,675.68
12/31/2017	5,047.29	7,593.51	8,909.32
6/30/2018	5,106.87	7,930.04	9,410.02
12/31/2018	5,164.55	8,152.85	9,832.47
6/30/2019	5,233.21	8,317.70	10,214.84
12/31/2019	5,414.01	8,816.26	10,875.04
6/30/2020	5,438.32	8,621.98	10,559.97
12/31/2020	5,488.41	8,514.32	10,452.52

Average Annual Change Using Exponential Fits:

10 point fit:	5.3%	5.9%	6.9%
8 point fit:	4.0%	4.9%	6.5%
6 point fit:	3.2%	3.4%	4.7%

Selected severity trend:	5.5%
Selected frequency trend:	0.0%
Selected pure premium trend:	5.5%

* Multistate data excludes Massachusetts

VERISK

Multistate*
Trucks, Tractors & Trailers Physical Damage
Collision

Frequency (expressed as claims per 100 exposures)

	\$500 Deductible		\$1,000 Deductible		\$2,000 Deductible	
Year Ending:	Actual	Change**	Actual	Change**	Actual	Change**
6/30/2016	2.18		1.92		1.57	
12/31/2016	2.23		1.96		1.60	
6/30/2017	2.24		1.96		1.61	
12/31/2017	2.21	-0.9%	1.94	-1.0%	1.60	0.0%
6/30/2018	2.24		1.99		1.65	
12/31/2018	2.25	1.8%	2.01	3.6%	1.66	3.7%
6/30/2019	2.25		2.01		1.66	
12/31/2019	2.24	-0.4%	2.01	0.0%	1.66	0.0%
6/30/2020	2.00		1.76		1.47	
12/31/2020	1.86	-17.0%	1.62	-19.4%	1.37	-17.5%

Volume*** of losses for the most recent year by deductible:

Deductible:	Percent of Losses
\$100	0.1%
\$200	0.0%
\$250	1.2%
\$500	32.5%
\$1,000	53.8%
\$2,000	7.0%
\$3,000	1.6%
\$5,000	3.6%

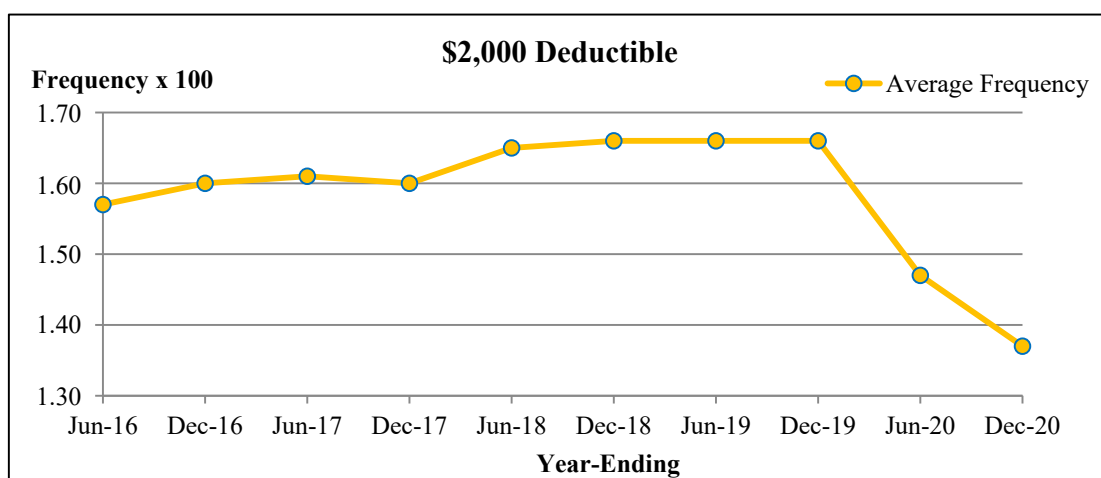
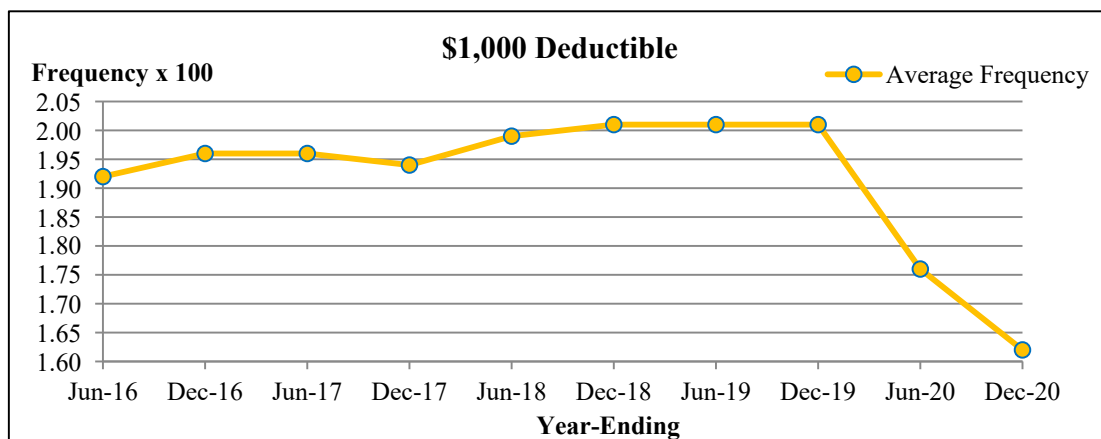
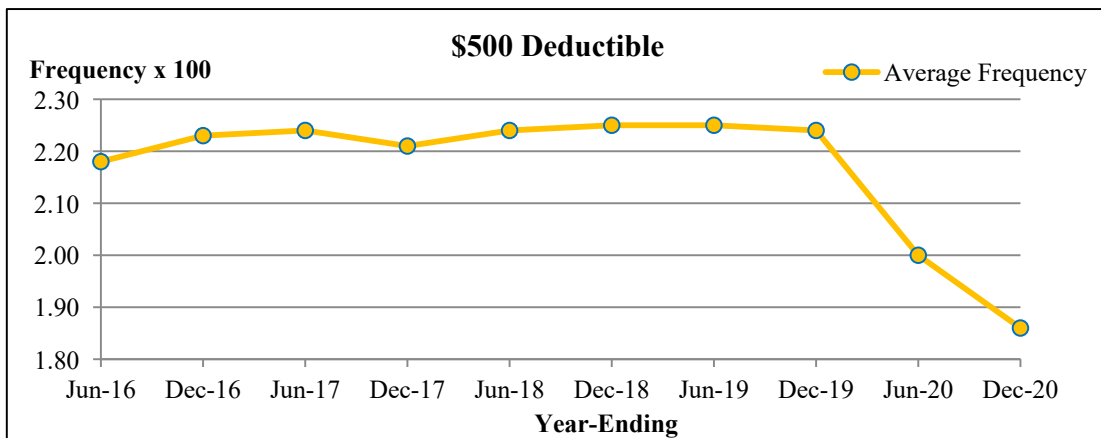
* Multistate data excludes Massachusetts

** Change based on years ending 12/31/xxxx

*** Deductibles above \$2,000, totaling 5.2% of losses, are excluded from trend calculations.

VERISK

Commercial Automobile
Trucks, Tractors & Trailers Physical Damage
Collision Frequency Trend
Multistate*



*Excludes Massachusetts

Selected Collision Frequency Trend Factor: 0.0%

VERISK

Multistate*
Trucks, Tractors & Trailers Physical Damage
Collision

Severity Trend

Year Ending:	\$500 Deductible	\$1,000 Deductible	\$2,000 Deductible
6/30/2016	9,281.28	10,964.08	11,928.82
12/31/2016	9,493.73	11,239.00	12,206.31
6/30/2017	9,513.79	11,238.62	12,181.06
12/31/2017	9,709.62	11,295.33	12,263.07
6/30/2018	9,906.99	11,561.60	12,598.31
12/31/2018	10,098.28	11,783.35	12,807.24
6/30/2019	10,347.84	12,072.56	13,161.79
12/31/2019	10,423.55	12,122.46	13,246.24
6/30/2020	10,771.39	12,506.12	13,649.25
12/31/2020	11,364.54	13,563.81	14,639.24

Average Annual Change Using Exponential Fits:

10 point fit:	4.2%	4.0%	4.0%
8 point fit:	4.7%	4.9%	4.9%
6 point fit:	5.2%	5.8%	5.6%

Selected severity trend:	4.0%
Selected frequency trend:	0.0%
Selected pure premium trend:	4.0%

* Multistate data excludes Massachusetts

VERISK

Hired Autos OTC

All Perils (excluding specified causes of loss coverage codes)

Triangle of Shifted Losses

Original Deductible Amount	Shifted to Deductible Amount								
	0	50	100	250	500	1000	2000	3000	5000
0	670,430	664,830	659,367	645,204	626,628	598,514	551,449	511,985	450,264
50	-	80,586	74,136	57,262	38,824	28,152	17,989	13,394	7,910
100	-	-	5,988,943	5,734,102	5,405,626	4,940,276	4,228,035	3,671,705	2,927,337

Triangle of Relative Loss Ratios

Original Deductible Amount	Deductible Amounts							
	50:0	100:50	250:100	500:250	1000:500	2000:1000	3000:2000	5000:3000
	0.992	0.992	0.979	0.971	0.955	0.921	0.928	0.879
	50	0.920	0.772	0.678	0.725	0.639	0.745	0.591
	100	-	-	0.957	0.943	0.914	0.856	0.868

Weighted Aves:		0.992	0.984	0.957	0.943	0.917	0.862	0.875	0.807
Cumulative:	1.000	0.992	0.976	0.934	0.881	0.808	0.696	0.609	0.491

Hired Autos Collision

All Perils

Triangle of Shifted Losses

	Shifted to Deductible Amount						
Original Deductible Amount	100	250	500	1000	2000	3000	5000
100	782,997	755,379	711,913	640,710	544,485	477,852	390,789
250	-	631,012	596,037	539,003	467,334	420,596	359,068
500	-	-	6,143,504	5,376,364	4,345,678	3,668,339	2,763,772
1000	-	-	-	25,869,421	22,305,578	19,665,125	15,900,026

Triangle of Relative Loss Ratios

	Deductible Amounts					
Original Deductible Amount	250:100	500:250	1000:500	2000:1000	3000:2000	5000:3000
100	0.965	0.942	0.900	0.850	0.878	0.818
250	-	0.945	0.904	0.867	0.900	0.854
500	-	-	0.875	0.808	0.844	0.753
1000	-	-	-	0.862	0.882	0.809

Weighted Aves:		0.965	0.943	0.880	0.853	0.876	0.801
Cumulative:	1.000	0.965	0.910	0.801	0.683	0.598	0.479

VERISK

Indicated Percentage Discounts

Hired Autos Deductible Amount	OTC	Collision
0	-0.025	---
50	-0.016	---
100	0.000	-0.099
250	0.043	-0.060
500	0.097	0.000
1000	0.172	0.120
2000	0.287	0.249
3000	0.376	0.343
5000	0.497	0.474

VERISK

CALCULATION OF OFF-BALANCE FACTORS

HIRED AUTOS PHYSICAL DAMAGE

OTHER THAN COLLISION

The base loss cost for Other Than Collision is the \$100 deductible.

The off-balance factor to be applied to the current Hired Autos OTC base loss cost is 1.003.

$$1.003 \frac{\$ 1,394,846}{\$ 1,390,110}$$

where \$ 1,394,846 = Aggregate Loss Cost at Current
Level under the current class plan.
\$ 1,390,110 = Aggregate Loss Cost at Current
Level under the revised class plan.

COLLISION

The base loss cost for Collision is the \$500 deductible.

The off-balance factor to be applied to the current Hired Autos Collision base loss cost is 1.056.

$$1.056 \frac{\$ 2,768,330}{\$ 2,621,629}$$

where \$ 2,768,330 = Aggregate Loss Cost at Current
Level under the current class plan.
\$ 2,621,629 = Aggregate Loss Cost at Current
Level under the revised class plan.

VERISK

DETERMINATION OF REVISED BASE LOSS COSTS

HIRED AUTOS PHYSICAL DAMAGE

OTHER THAN COLLISION

Current Multi-State Base Loss Cost	X	Experience Review Loss Cost Level Change	X	Off-Balance Factor	=	Revised Multi-State Base Loss Cost
\$0.31	X	1.368	X	1.003	=	\$0.43

COLLISION

Current Multi-State Base Loss Cost	X	Experience Review Loss Cost Level Change	X	Off-Balance Factor	=	Revised Multi-State Base Loss Cost
\$0.46	X	2.638	X	1.056	=	\$1.28

* The base loss cost for Other Than Collision is the \$100 deductible.
The base loss cost for Collision is the \$500 deductible.

VERISK

HIRED AUTOS REVISED LOSS COSTS

Hired Autos

Deductible Amount	OTC			Collision		
	Current	Indicated	Selected	Current	Indicated	Selected
0	0.34	0.44	0.45	---	---	---
50	0.32	0.44	0.44	---	---	---
100	0.31	0.43	0.43	0.51	1.41	1.41
250	---	0.41	0.41	0.49	1.36	1.36
500	---	0.39	0.39	0.46	1.28	1.28
1000	---	0.36	0.36	0.43	1.13	1.13
2000	---	0.31	0.31	---	0.96	0.96
3000	---	0.27	0.27	---	0.84	0.84
5000	---	0.22	0.22	---	0.67	0.67

Specified Perils

Current	Indicated	Selected
0.16	0.22	0.22

* The base loss cost for Other Than Collision is the \$100 deductible.
The base loss cost for Collision is the \$500 deductible.

**COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES**

**COLORADO (05)
TERRITORY 103**

LIABILITY	MEDICAL PAYMENTS	PERSONAL INJURY PROTECTION
Limit Of Liab. \$100,000	Limit Per Person \$5000	Basic Limits
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS		
\$ 422	\$ 8	N/A
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS		
\$ 404	\$ 13	N/A
RULE 240. PUBLIC AUTO CLASSIFICATIONS –		
– TAXICABS AND LIMOUSINES		
\$ 1696	\$ 71	N/A
– SCHOOL AND CHURCH BUSES		
\$ 160	\$ 11	N/A
– OTHER BUSES		
\$ 1334	\$ 66	N/A
– VAN POOLS		
\$ 401	\$ 13	N/A
RULE 249. AUTO DEALERS – PREMIUM DEVELOPMENT		
\$ 267	Refer to Rule 249.	N/A
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Public Autos, refer to Rule 239. for premium development. • For liability increased limits factors, refer to Rule 300. • Other Than Auto losses for Auto Dealers risks are subject to an aggregate limit equal to three times the liability limit. For additional limits, refer to Rule 249. 		

COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES

LIABILITY	MEDICAL PAYMENTS	PERSONAL INJURY PROTECTION
Limit Of Liab. \$100,000	Limit Per Person \$5000	Basic Limits
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS		
\$ 626	\$ 10	N/A
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS		
\$ 559	\$ 18	N/A
RULE 240. PUBLIC AUTO CLASSIFICATIONS –		
– TAXICABS AND LIMOUSINES		
\$ 2517	\$ 105	N/A
– SCHOOL AND CHURCH BUSES		
\$ 238	\$ 12	N/A
– OTHER BUSES		
\$ 1978	\$ 75	N/A
– VAN POOLS		
\$ 595	\$ 19	N/A
RULE 249. AUTO DEALERS – PREMIUM DEVELOPMENT		
\$ 397	Refer to Rule 249.	N/A
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Public Autos, refer to Rule 239. for premium development. • For liability increased limits factors, refer to Rule 300. • Other Than Auto losses for Auto Dealers risks are subject to an aggregate limit equal to three times the liability limit. For additional limits, refer to Rule 249. 		

**COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES**

**COLORADO (05)
TERRITORY 105**

LIABILITY	MEDICAL PAYMENTS	PERSONAL INJURY PROTECTION
Limit Of Liab. \$100,000	Limit Per Person \$5000	Basic Limits
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS		
\$ 220	\$ 6	N/A
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS		
\$ 245	\$ 8	N/A
RULE 240. PUBLIC AUTO CLASSIFICATIONS –		
– TAXICABS AND LIMOUSINES		
\$ 884	\$ 37	N/A
– SCHOOL AND CHURCH BUSES		
\$ 84	\$ 8	N/A
– OTHER BUSES		
\$ 695	\$ 45	N/A
– VAN POOLS		
\$ 209	\$ 7	N/A
RULE 249. AUTO DEALERS – PREMIUM DEVELOPMENT		
\$ 140	Refer to Rule 249.	N/A
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Public Autos, refer to Rule 239. for premium development. • For liability increased limits factors, refer to Rule 300. • Other Than Auto losses for Auto Dealers risks are subject to an aggregate limit equal to three times the liability limit. For additional limits, refer to Rule 249. 		

COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES

LIABILITY	MEDICAL PAYMENTS	PERSONAL INJURY PROTECTION
Limit Of Liab. \$100,000	Limit Per Person \$5000	Basic Limits
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS		
\$ 526	\$ 8	N/A
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS		
\$ 426	\$ 14	N/A
RULE 240. PUBLIC AUTO CLASSIFICATIONS –		
– TAXICABS AND LIMOUSINES		
\$ 2115	\$ 88	N/A
– SCHOOL AND CHURCH BUSES		
\$ 200	\$ 11	N/A
– OTHER BUSES		
\$ 1662	\$ 63	N/A
– VAN POOLS		
\$ 500	\$ 16	N/A
RULE 249. AUTO DEALERS – PREMIUM DEVELOPMENT		
\$ 333	Refer to Rule 249.	N/A
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Public Autos, refer to Rule 239. for premium development. • For liability increased limits factors, refer to Rule 300. • Other Than Auto losses for Auto Dealers risks are subject to an aggregate limit equal to three times the liability limit. For additional limits, refer to Rule 249. 		

**COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES**

**COLORADO (05)
TERRITORY 110**

LIABILITY	MEDICAL PAYMENTS	PERSONAL INJURY PROTECTION
Limit Of Liab. \$100,000	Limit Per Person \$5000	Basic Limits
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS		
\$ 452	\$ 8	N/A
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS		
\$ 320	\$ 10	N/A
RULE 240. PUBLIC AUTO CLASSIFICATIONS –		
– TAXICABS AND LIMOUSINES		
\$ 1817	\$ 76	N/A
– SCHOOL AND CHURCH BUSES		
\$ 172	\$ 12	N/A
– OTHER BUSES		
\$ 1428	\$ 70	N/A
– VAN POOLS		
\$ 429	\$ 14	N/A
RULE 249. AUTO DEALERS – PREMIUM DEVELOPMENT		
\$ 286	Refer to Rule 249.	N/A
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Public Autos, refer to Rule 239. for premium development. • For liability increased limits factors, refer to Rule 300. • Other Than Auto losses for Auto Dealers risks are subject to an aggregate limit equal to three times the liability limit. For additional limits, refer to Rule 249. 		

COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES

LIABILITY	MEDICAL PAYMENTS	PERSONAL INJURY PROTECTION
Limit Of Liab. \$100,000	Limit Per Person \$5000	Basic Limits
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS		
\$ 728	\$ 10	N/A
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS		
\$ 644	\$ 20	N/A
RULE 240. PUBLIC AUTO CLASSIFICATIONS –		
– TAXICABS AND LIMOUSINES		
\$ 2927	\$ 122	N/A
– SCHOOL AND CHURCH BUSES		
\$ 277	\$ 13	N/A
– OTHER BUSES		
\$ 2300	\$ 79	N/A
– VAN POOLS		
\$ 692	\$ 22	N/A
RULE 249. AUTO DEALERS – PREMIUM DEVELOPMENT		
\$ 462	Refer to Rule 249.	N/A
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Public Autos, refer to Rule 239. for premium development. • For liability increased limits factors, refer to Rule 300. • Other Than Auto losses for Auto Dealers risks are subject to an aggregate limit equal to three times the liability limit. For additional limits, refer to Rule 249. 		

**COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES**

**COLORADO (05)
TERRITORY 112**

LIABILITY	MEDICAL PAYMENTS	PERSONAL INJURY PROTECTION
Limit Of Liab. \$100,000	Limit Per Person \$5000	Basic Limits
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS		
\$ 721	\$ 10	N/A
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS		
\$ 535	\$ 17	N/A
RULE 240. PUBLIC AUTO CLASSIFICATIONS –		
– TAXICABS AND LIMOUSINES		
\$ 2898	\$ 121	N/A
– SCHOOL AND CHURCH BUSES		
\$ 274	\$ 13	N/A
– OTHER BUSES		
\$ 2278	\$ 78	N/A
– VAN POOLS		
\$ 685	\$ 22	N/A
RULE 249. AUTO DEALERS – PREMIUM DEVELOPMENT		
\$ 457	Refer to Rule 249.	N/A
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Public Autos, refer to Rule 239. for premium development. • For liability increased limits factors, refer to Rule 300. • Other Than Auto losses for Auto Dealers risks are subject to an aggregate limit equal to three times the liability limit. For additional limits, refer to Rule 249. 		

COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES

LIABILITY	MEDICAL PAYMENTS	PERSONAL INJURY PROTECTION
Limit Of Liab. \$100,000	Limit Per Person \$5000	Basic Limits
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS		
\$ 393	\$ 8	N/A
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS		
\$ 382	\$ 12	N/A
RULE 240. PUBLIC AUTO CLASSIFICATIONS –		
– TAXICABS AND LIMOUSINES		
\$ 1580	\$ 66	N/A
– SCHOOL AND CHURCH BUSES		
\$ 149	\$ 12	N/A
– OTHER BUSES		
\$ 1242	\$ 72	N/A
– VAN POOLS		
\$ 373	\$ 12	N/A
RULE 249. AUTO DEALERS – PREMIUM DEVELOPMENT		
\$ 249	Refer to Rule 249.	N/A
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Public Autos, refer to Rule 239. for premium development. • For liability increased limits factors, refer to Rule 300. • Other Than Auto losses for Auto Dealers risks are subject to an aggregate limit equal to three times the liability limit. For additional limits, refer to Rule 249. 		

**COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES**

**COLORADO (05)
TERRITORY 103**

PHYSICAL DAMAGE Original Cost New Range \$25,000 – 29,999			
	Specified Causes Of Loss	Comp.	\$500 Ded. Coll.
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS			
– Local And Intermediate – All Vehicles			
– Long Distance – Light Trucks And Trailers Used With Light Trucks			
	\$ 253	\$ 391	\$ 421
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS			
	\$ 213	\$ 329	\$ 435
RULE 240. PUBLIC AUTO CLASSIFICATIONS			
– TAXICABS AND LIMOUSINES			
	\$ 385	\$ 594	\$ 947
– SCHOOL AND CHURCH BUSES			
	\$ 172	\$ 266	\$ 265
– OTHER BUSES			
	\$ 172	\$ 266	\$ 265
– VAN POOLS			
	\$ 385	\$ 594	\$ 947
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Publics Autos, refer to Rule 239. for premium development. • For Deductible factors, refer to Rule 298. • For Vehicle Value factors, refer to Rule 301. 			

COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES

PHYSICAL DAMAGE Original Cost New Range \$25,000 – 29,999			
	Specified Causes Of Loss	Comp.	\$500 Ded. Coll.
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS			
– Local And Intermediate – All Vehicles			
– Long Distance – Light Trucks And Trailers Used With Light Trucks			
	\$ 176	\$ 272	\$ 419
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS			
	\$ 191	\$ 295	\$ 537
RULE 240. PUBLIC AUTO CLASSIFICATIONS			
– TAXICABS AND LIMOUSINES			
	\$ 268	\$ 413	\$ 943
– SCHOOL AND CHURCH BUSES			
	\$ 120	\$ 185	\$ 264
– OTHER BUSES			
	\$ 120	\$ 185	\$ 264
– VAN POOLS			
	\$ 268	\$ 413	\$ 943
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Publics Autos, refer to Rule 239. for premium development. • For Deductible factors, refer to Rule 298. • For Vehicle Value factors, refer to Rule 301. 			

**COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES**

**COLORADO (05)
TERRITORY 105**

PHYSICAL DAMAGE Original Cost New Range \$25,000 – 29,999			
	Specified Causes Of Loss	Comp.	\$500 Ded. Coll.
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS			
– Local And Intermediate – All Vehicles			
– Long Distance – Light Trucks And Trailers Used With Light Trucks			
	\$ 119	\$ 184	\$ 386
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS			
	\$ 132	\$ 203	\$ 451
RULE 240. PUBLIC AUTO CLASSIFICATIONS			
– TAXICABS AND LIMOUSINES			
	\$ 181	\$ 280	\$ 869
– SCHOOL AND CHURCH BUSES			
	\$ 81	\$ 125	\$ 243
– OTHER BUSES			
	\$ 81	\$ 125	\$ 243
– VAN POOLS			
	\$ 181	\$ 280	\$ 869
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Publics Autos, refer to Rule 239. for premium development. • For Deductible factors, refer to Rule 298. • For Vehicle Value factors, refer to Rule 301. 			

COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES

PHYSICAL DAMAGE Original Cost New Range \$25,000 – 29,999			
	Specified Causes Of Loss	Comp.	\$500 Ded. Coll.
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS			
– Local And Intermediate – All Vehicles			
– Long Distance – Light Trucks And Trailers Used With Light Trucks			
	\$ 155	\$ 239	\$ 382
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS			
	\$ 122	\$ 188	\$ 518
RULE 240. PUBLIC AUTO CLASSIFICATIONS			
– TAXICABS AND LIMOUSINES			
	\$ 236	\$ 363	\$ 860
– SCHOOL AND CHURCH BUSES			
	\$ 105	\$ 163	\$ 241
– OTHER BUSES			
	\$ 105	\$ 163	\$ 241
– VAN POOLS			
	\$ 236	\$ 363	\$ 860
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Publics Autos, refer to Rule 239. for premium development. • For Deductible factors, refer to Rule 298. • For Vehicle Value factors, refer to Rule 301. 			

**COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES**

**COLORADO (05)
TERRITORY 110**

PHYSICAL DAMAGE Original Cost New Range \$25,000 – 29,999			
	Specified Causes Of Loss	Comp.	\$500 Ded. Coll.
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS – Local And Intermediate – All Vehicles – Long Distance – Light Trucks And Trailers Used With Light Trucks			
	\$ 126	\$ 194	\$ 432
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS			
	\$ 162	\$ 250	\$ 377
RULE 240. PUBLIC AUTO CLASSIFICATIONS – TAXICABS AND LIMOUSINES			
	\$ 192	\$ 295	\$ 972
– SCHOOL AND CHURCH BUSES	\$ 86	\$ 132	\$ 272
– OTHER BUSES	\$ 86	\$ 132	\$ 272
– VAN POOLS	\$ 192	\$ 295	\$ 972
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Publics Autos, refer to Rule 239. for premium development. • For Deductible factors, refer to Rule 298. • For Vehicle Value factors, refer to Rule 301. 			

COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES

PHYSICAL DAMAGE Original Cost New Range \$25,000 – 29,999			
	Specified Causes Of Loss	Comp.	\$500 Ded. Coll.
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS			
– Local And Intermediate – All Vehicles			
– Long Distance – Light Trucks And Trailers Used With Light Trucks			
	\$ 148	\$ 229	\$ 463
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS			
	\$ 139	\$ 215	\$ 607
RULE 240. PUBLIC AUTO CLASSIFICATIONS			
– TAXICABS AND LIMOUSINES			
	\$ 225	\$ 348	\$ 1042
– SCHOOL AND CHURCH BUSES			
	\$ 101	\$ 156	\$ 292
– OTHER BUSES			
	\$ 101	\$ 156	\$ 292
– VAN POOLS			
	\$ 225	\$ 348	\$ 1042
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Publics Autos, refer to Rule 239. for premium development. • For Deductible factors, refer to Rule 298. • For Vehicle Value factors, refer to Rule 301. 			

**COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES**

**COLORADO (05)
TERRITORY 112**

PHYSICAL DAMAGE Original Cost New Range \$25,000 – 29,999			
	Specified Causes Of Loss	Comp.	\$500 Ded. Coll.
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS			
– Local And Intermediate – All Vehicles			
– Long Distance – Light Trucks And Trailers Used With Light Trucks			
	\$ 154	\$ 238	\$ 484
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS			
	\$ 167	\$ 257	\$ 556
RULE 240. PUBLIC AUTO CLASSIFICATIONS			
– TAXICABS AND LIMOUSINES			
	\$ 234	\$ 362	\$ 1089
– SCHOOL AND CHURCH BUSES			
	\$ 105	\$ 162	\$ 305
– OTHER BUSES			
	\$ 105	\$ 162	\$ 305
– VAN POOLS			
	\$ 234	\$ 362	\$ 1089
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Publics Autos, refer to Rule 239. for premium development. • For Deductible factors, refer to Rule 298. • For Vehicle Value factors, refer to Rule 301. 			

COMMERCIAL LINES MANUAL
DIVISION ONE
AUTOMOBILE
LOSS COST PAGES

PHYSICAL DAMAGE Original Cost New Range \$25,000 – 29,999			
	Specified Causes Of Loss	Comp.	\$500 Ded. Coll.
RULE 223. TRUCKS, TRACTORS AND TRAILERS CLASSIFICATIONS			
– Local And Intermediate – All Vehicles			
– Long Distance – Light Trucks And Trailers Used With Light Trucks			
	\$ 215	\$ 332	\$ 400
RULE 232. PRIVATE PASSENGER TYPES CLASSIFICATIONS			
	\$ 203	\$ 314	\$ 438
RULE 240. PUBLIC AUTO CLASSIFICATIONS			
– TAXICABS AND LIMOUSINES			
	\$ 327	\$ 505	\$ 900
– SCHOOL AND CHURCH BUSES			
	\$ 146	\$ 226	\$ 252
– OTHER BUSES			
	\$ 146	\$ 226	\$ 252
– VAN POOLS			
	\$ 327	\$ 505	\$ 900
<ul style="list-style-type: none"> • For Other Than Zone-rated Trucks, Tractors and Trailers Classifications, refer to Rule 222. for premium development. • For Private Passenger Types Classifications, refer to Rule 232. for premium development. • For Other Than Zone-rated Publics Autos, refer to Rule 239. for premium development. • For Deductible factors, refer to Rule 298. • For Vehicle Value factors, refer to Rule 301. 			

290. HIRED AUTOS

Cost Of Hire Basis – All Territories Liability Base Loss Cost
\$ 1.00

Table 290.B.3.a.(1)(LC) Cost Of Hire Basis Liability Loss Cost

Coverage	All Perils Deductible	Loss Cost Per Each \$100 Annual Cost Of Hire
Comprehensive	No Deductible	\$ 0.45
	\$ 50 Deductible	0.44
	100 Deductible	0.43
	250 Deductible	0.41
	500 Deductible	0.39
	1,000 Deductible	0.36
	2,000 Deductible	0.31
	3,000 Deductible	0.27
	5,000 Deductible	0.22
Collision	\$ 100 Deductible	1.41
	250 Deductible	1.36
	500 Deductible	1.28
	1,000 Deductible	1.13
	2,000 Deductible	0.96
	3,000 Deductible	0.84
	5,000 Deductible	0.67
Specified Causes Of Loss	No Deductible	0.22

Table 290.C.3.a.(1)(LC) Hired Autos Physical Damage Loss Costs

Supplementary Information – Colorado

Introduction

This document provides additional information on the attached loss cost level experience review, including:

- A summary of recent trends in Liability claim costs
- A summary of significant factors used in the development of loss cost indications and a comparison to the factors used in the prior filing that underlie the loss costs currently in effect
- A discussion of the experience underlying the loss cost level evaluation, and how it compares to the prior review
- Issues related to Commercial Auto in Colorado

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 valid 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.

Trends in Liability Claim Costs

The table below shows the latest sixteen evaluations of 12-pt. paid claim cost trends.

Multistate Paid Claim Cost Trends

<u>Data Through</u>	<u>\$100,000 Bodily Injury</u>	<u>\$100,000 Property Damage</u>
09/30/2018	+5.1%	+4.2%
12/31/2018	+5.5%	+4.3%
03/31/2019	+5.7%	+4.6%
06/30/2019	+5.7%	+5.1%
09/30/2019	+5.7%	+5.5%
12/31/2019	+5.9%	+5.9%
03/31/2020	+6.0%	+6.2%
06/30/2020	+5.9%	+6.8%
09/30/2020	+5.7%	+7.3%
12/31/2020	+5.6%	+7.8%
03/31/2021	+5.3%	+8.0%
06/30/2021	+5.7%	+8.0%
09/30/2021	+6.3%	+8.2%
12/31/2021	+7.1%	+8.2%
03/31/2022	+7.8%	+8.5%
06/30/2022	+8.1%	+9.5%

ISO believes that bodily injury claim cost trends will primarily be driven by changes in the costs of providing medical care. At times, other factors serve to reduce (or exacerbate) the claim cost trends.

Supplementary Information – Colorado

Trends in Medical Care Costs

The table below shows the last twelve annual rates of change, based upon the CPI, for Medical Care and Hospital & Other Related Services, separately.

<u>Period</u>	<u>CPI – Medical Care Annual Rate of Change¹</u>	<u>CPI – Hospital & Other Related Services Annual Rate of Change</u>
October 2010 - September 2011	+2.8%	+4.9%
October 2011 - September 2012	+4.1%	+4.7%
October 2012 - September 2013	+2.4%	+5.4%
October 2013 - September 2014	+2.0%	+3.5%
October 2014 - September 2015	+2.5%	+3.3%
October 2015 - September 2016	+4.9%	+5.6%
October 2016 - September 2017	+1.6%	+4.3%
October 2017 - September 2018	+1.7%	+3.7%
October 2018 - September 2019	+3.5%	+2.1%
October 2019 - September 2020	+4.2%	+4.5%
October 2020 - September 2021	+0.4%	+3.3%
October 2021 - September 2022	+6.0%	+3.9%

Claim Frequencies

Historically, frequency trends for Commercial Auto liability have been quite variable, have differed between Trucks, Tractors, and Trailers (TTT) and Private Passenger Types (PPT) liability classes, and have often displayed cyclical patterns. As a result, an exponential curve of the form $Y=A(B^X)$ does not fit the data well over the long term. To reflect these characteristics and the difficulty in predicting turning points and rates of change, frequency trend is being selected to be 0% for TTT and PPT for both the Bodily Injury and Property Damage coverages.

Claim Counts

Claim counts are now being estimated from information on the individual loss records reported to ISO, rather than the claim counts that have been reported to ISO via the statistical plans. This is being done to address company inconsistencies in interpreting ISO's claim count reporting rules.

¹ Annual Rate of Change for a particular year is calculated as the CPI index for September of that year divided by the same index for September for the previous year, minus one.

Supplementary Information – Colorado

Colorado Trends

Liability Loss Trend

	Current Trends <u>Data through</u> <u>6/30/2022</u>	Previous Trends <u>Data through</u> <u>6/30/2021</u>
Colorado Claim Cost Trends		
Bodily Injury (\$100,000 Limit)	+12.8%	+6.1%
Property Damage (\$100,000 Limit)	+10.6%	+9.5%
Credibility-Weighted Claim Cost Trends		
Bodily Injury (\$100,000 Limit)	+8.1%	+5.7%
Property Damage (\$100,000 Limit)	+9.7%	+8.2%
Selected Claim Frequency Trends		
Trucks, Tractors & Trailers		
Bodily Injury	0.0%	0.0%
Property Damage	0.0%	0.0%
Private Passenger Types		
Bodily Injury	0.0%	0.0%
Property Damage	0.0%	0.0%
Selected Pure Premium Trends		
Trucks, Tractors & Trailers		
Bodily Injury (\$100,000 Limit)	+8.1%	+5.7%
Property Damage (\$100,000 Limit)	+9.7%	+8.2%
Private Passenger Types*		
Bodily Injury (\$100,000 Limit)	+8.1%	+5.7%
Property Damage (\$100,000 Limit)	+9.7%	+8.2%

*The Private Passenger Types trend is also used for the Auto Dealers coverage.

Liability Premium Trend

	Current Trends <u>Data through 6/30/2022</u>
Trucks, Tractors & Trailers	+0.2%
Private Passenger Types	0.0%

Colorado bodily injury severity trend receives 0% weight when combined with multistate trend in the filing, property damage trend receives 20% weight.

Liability premium trends are being introduced to correspond with the new class plan.

If the prior trends were used to calculate the indicated changes in this document, the Truck, Tractors & Trailers Liability indication would have been 5.6% instead of 11.5%. For the Private Passenger Types coverage, the indication would have been 11.1% instead of 16.9%. For the Auto Dealers coverage, the indication would have been 22.2% instead of 29.5%.

Supplementary Information – Colorado

Physical Damage Loss Trend

		Current Trends <u>Data through 6/30/2022</u>	Previous Trends <u>Data through 6/30/2021</u>
Trucks, Tractors & Trailers	<u>Coverage</u>		
	OTC	+8.0%	+5.0%
	Collision	+10.0%	+6.0%
Private Passenger Types	OTC	+7.5%	+6.5%
	Collision	+10.0%	+6.0%

Physical Damage Premium Trend

		Current VVF Trends <u>Data through 6/30/2022</u>	Previous OCN Trends <u>Data through 6/30/2021</u>
Trucks, Tractors & Trailers	<u>Coverage</u>		
	OTC	+2.0%	+0.9%
	Collision	+2.0%	+1.6%
Private Passenger Types	OTC	+1.8%	+1.0%
	Collision	+1.0%	+0.5%

Physical Damage premium trends are now based on trends in Vehicle Value Factor (VVF), rather than the previous Original Cost New (OCN) trends, to correspond with the new class plan.

The loss trend has increased by 3.0 points for Trucks, Tractors & Trailers OTC and has increased by 1.0 points for Private Passenger Types OTC. The premium trend has increased by 1.1 points for Trucks, Tractors & Trailers OTC and has increased by 0.8 points for Private Passenger Types OTC. If the prior loss and premium trends were used, the Trucks, Tractors and Trailers and Private Passenger Types OTC indications in this document would have 28.0%, instead of 35.3%, and 21.5%, instead of 22.0%, respectively.

The loss trend has increased by 4.0 points for both Trucks, Tractors & Trailers Collision and Private Passenger Types Collision. The premium trend has increased by 0.4 points for Trucks, Tractors, & Trailers Collision and has increased by 0.5 points for Private Passenger Types Collision. If the prior loss and premium trends were used, the Trucks, Tractors & Trailers and Private Passenger Types Collision indications in this document would have been 39.0%, instead of 57.8%, and 21.4%, instead of 39.0%, respectively.

Supplementary Information – Colorado

Loss Development

Methodology

For the Trucks, Tractors & Trailers and Private Passenger Types Liability coverages, we continue to employ a credibility-weighted combination of Colorado and multistate factors for the 15 to 27 month link ratios for BI and PD, and the 27 to 39 month link ratios for BI only. Auto Dealers Liability losses are developed using multistate data. For all coverages, the "best three of five" link ratios have been used. Specifically, the highest and lowest link ratios from the latest five years of the experience have been removed from the calculation and the remaining three ratios are used to calculate the three-year average.

Factors

	<u>Current (100K)</u>	<u>Previous (100K)</u>
Trucks, Tractors and Trailers BI		
39 to Ultimate	1.078	1.075
27 to Ultimate	1.183	1.198
15 to Ultimate	1.493	1.509
Trucks, Tractors and Trailers PD		
39 to Ultimate	1.008	1.006
27 to Ultimate	1.018	1.016
15 to Ultimate	1.043	1.040
Private Passenger Types BI		
39 to Ultimate	1.080	1.081
27 to Ultimate	1.131	1.156
15 to Ultimate	1.449	1.454
Private Passenger Types PD		
39 to Ultimate	1.004	1.004
27 to Ultimate	1.011	1.011
15 to Ultimate	1.100	1.084
Auto Dealers BI		
39 to Ultimate	1.100	-----
27 to Ultimate	1.292	-----
15 to Ultimate	1.820	-----
Auto Dealers PD		
39 to Ultimate	1.032	-----
27 to Ultimate	1.065	-----
15 to Ultimate	1.142	-----

Supplementary Information – Colorado

Other Factors

Unallocated Loss Adjustment Expense factors:

	<u>Data through 12/31/2021</u>	<u>Data through 12/31/2020</u>
Bodily Injury	1.065	1.070
Property Damage	1.105	1.100
Physical Damage	1.125	1.130

Indicated vs. Filed Changes

An overall change of +20.8% is indicated when each of the coverage indications is weighted by its respective loss cost volume. Staff will file the indications, which reflect a 04/01/2024 proposed effective date, with the following exceptions:

<u>Coverage</u>	<u>Indicated Change</u>	<u>Filed Change</u>
Trucks, Tractors and Trailers Collision	+57.8%	+50.0%
Auto Dealers Liability	+29.5%	0.0%

The overall filed change is +19.7%.

Notes

- The Auto Dealers and Garagekeepers Physical Damage coverages are not being reviewed this year.
- The high indication for Trucks, Tractors and Trailers Liability is due to the overall poor experience, especially in the earliest year.
- The high indication for Trucks, Tractors and Trailers OTC is due to the poor experience in two of three years in the review.
- The high indication for Trucks, Tractors and Trailers Collision is due to the poor experience in all years in the review.
- The high indication for Private Passenger Types Liability is due to the poor experience in all but one years in the review.
- The high indication for Private Passenger Types OTC is due to the poor experience in three of five years in the review.
- The high indication for Private Passenger Types Collision is due to the poor experience in all years in the review.
- The high indication for Auto Dealers Liability is due to a higher expected experience ratio caused by a longer period of time since this coverage was last reviewed.