State of Ohio – Office of Risk Management Self-Insured Vehicle Liability Program

Actuarial analysis of loss and allocated loss adjustment expense reserves

As of March 31, 2020

June 2020





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23 June 2020

Ms. Traci Heyer, ARM, AU, AINS Risk Manager, Underwriting & Analytics Ohio Department of Administrative Services General Services Division - Office of Risk Management 4200 Surface Road Columbus, OH 43228

Dear Ms. Heyer:

We have completed our engagement to provide estimates of the unpaid loss and allocated loss adjustment expenses ("ALAE") as of March 31, 2020 for the State of Ohio's self-insurance program (the "Program"), specifically as it relates to its self-insured vehicle liability program, and to provide estimates of the ultimate loss and ALAE for the fiscal year ending June 30, 2021 ("Fiscal/Accident Year 2021") using data evaluated as of March 31, 2020. Our engagement was performed in accordance with our engagement agreement made effective December 8, 2017 and amended March 29, 2018 and September 1, 2019, and our procedures were limited to those described in that agreement.

Results of our work/Period covered by our procedures/Recommendations

During the period April 2020 through June 2020, Ernst & Young ("EY") performed an actuarial unpaid claim liability projection for the Program's self-insured vehicle liability exposures on both an undiscounted and discounted basis, using data through March 31, 2020. Our work also included an ultimate loss and ALAE estimate for the fiscal year ending June 30, 2021. The ultimate loss and ALAE estimate for the upcoming fiscal year was estimated on an undiscounted and discounted basis and includes various levels of confidence. Our findings resulting from our work are provided in this report.

Background

The State of Ohio Office of Risk Management ("ORM") manages a self-insured vehicle liability program through the Risk Management Reserve Fund ("The Fund") created under Ohio Revised Code Section 9.823. The Program for vehicle exposures covers liability only; losses related to physical damage are not covered by the Program. The exposures in the Program are from vehicles. Vehicle exposures include passenger vehicles, trucks (light, medium, and heavy weight), emergency vehicles, guest vehicles (buses), mobile equipment (light and heavy), and watercraft.

There are currently 92 state agencies that participate in the Program. In consideration of the agency's premium payment, the ORM agrees to pay liability claims and judgments properly made and rendered against the state, state officers and state employees that arise from the officer's or employee's operation of any state-owned vehicle, provided that the operation of the vehicle was in the course of state business as authorized by the state agency.

The ORM has engaged EY to provide an unpaid claims estimate as of March 31, 2020 and estimates of ultimate loss and ALAE for the upcoming fiscal year. In addition, it is our understanding that the estimates are also to be presented on an undiscounted and discounted basis showing anticipated future cash flows with expected payments per period. Finally, the estimate for the upcoming fiscal year was also requested by the ORM to be allocated to the various agencies participating in the Program ("Premium Allocation").

This report provides a range of expected unpaid claim estimates for vehicle liability claims incurred from July 1, 2004 through March 31, 2020 and evaluated as of March 31, 2020.

The report also provides estimates of the ultimate loss and ALAE for the prospective period July 1, 2020 through June 30, 2021 at retention levels of \$2M and \$5M, as requested by the ORM, and includes these estimates at various levels of confidence. The estimates are then allocated to the agencies expected to participate in the Program in fiscal year July 1, 2020 to June 30, 2021. For more background on the Program, please see Section V of this report.

Scope of our work

As outlined in our engagement agreement, our estimate of total vehicle liability outstanding loss and ALAE as of March 31, 2020 and estimates of ultimate loss and ALAE for the next fiscal year were based on inquiries of, and discussions with, the ORM. We have not sought to confirm the accuracy of the data or the information and explanations provided by the ORM.

This report contains a reasonable range of estimates of the unpaid loss and ALAE limited to the Program's self-insured retentions for fiscal accident years 2005 through 2020, evaluated as of March 31, 2020. These estimates are presented on both an undiscounted and discounted basis utilizing a discount rate provided by the ORM. Also contained within this report is an estimate of ultimate loss and ALAE for the next fiscal year beginning July 1, 2020 and ending June 30, 2021. The expected ultimate loss and ALAE for this year is also shown on an undiscounted and discounted basis, and is estimated for possible future insurance limits of \$2 million and \$5 million, as requested by the ORM. We also provide

the estimate for fiscal/accident year 2021 at various levels of confidence. EY has also allocated the actuarial indications to the agencies the ORM expects to participate in the Program in fiscal year 2021.

Our work has been limited in scope and time and we stress that more detailed procedures may have revealed issues that this engagement has not. The procedures performed throughout this engagement were advisory in nature and were performed under the American Institute of Certified Public Accountants ("AICPA") consulting standards. The procedures performed did not constitute an audit, a review, examination, or other form of attestation or assurance as those terms are defined by the AICPA. Accordingly, we do not express any form of assurance. Any use of the term "review" within this report should be interpreted in the common use of that term, and not in the definition of "review" promulgated by the AICPA. Also, this report/work product does not constitute a legal opinion or advice.

Restrictions on the use of our work product

Our estimate of total vehicle liability outstanding loss and ALAE as of March 31, 2020 and our estimate of ultimate loss and ALAE for the next fiscal year beginning July 1st are intended solely for the information and use of the management of the ORM. They are not intended to be and should not be used by anyone other than these specified parties.

EY personnel responsible for our work product

Kishen Patel, FCAS, MAAA, and Thomas Conway, ACAS, MAAA are responsible for this report. We are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to perform this engagement and provide the findings contained herein. Comments or questions regarding this report should be directed to Kishen Patel at 312-879-2988, who is also available to provide supplemental information and/or explanation as requested.

We appreciate the cooperation and assistance provided to us during the course of our work.

Very truly yours,

Ernet + Young ILP

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I. Introduction and scope

Ernst & Young ("EY") has been retained by The State of Ohio - Office of Risk Management (the "ORM") to provide an unpaid claim estimate for vehicle liability claims incurred from July 1, 2004 through March 31, 2020 evaluated as of March 31, 2020. Additionally, EY was asked to provide estimates of ultimate loss and allocated loss adjustment expense ("ALAE") for the fiscal accident year beginning July 1, 2020 and ending June 30, 2021 at limits of \$2 million and \$5 million. These estimates are presented on both an undiscounted and discounted basis. Furthermore, EY has been asked to allocate the estimates for fiscal/accident year 2021 to the agencies that are expected to participate in the Program for fiscal/accident year 2021. For the expected loss and ALAE for the next fiscal year, beginning July 1, 2020, variation from expected results at various confidence levels are presented.

As outlined in our engagement agreement, our estimate of total vehicle liability outstanding loss and ALAE as of March 31, 2020 and estimate of ultimate loss and ALAE for the next fiscal year beginning July 1st were based on inquiries of, and discussions with, the ORM. We have not sought to confirm the accuracy of the data or the information and explanations provided by the ORM.

Our work has been limited in scope and time and we stress that more detailed procedures may have revealed issues that this engagement has not. The procedures performed throughout this engagement were advisory in nature and were performed under the AICPA consulting standards. The procedures performed did not constitute an audit, a review, examination, or other form of attestation or assurance as those terms are defined by the AICPA. Accordingly, we do not express any form of assurance. Any use of the term "review" within this report should be interpreted in the common use of that term, and not in the definition of "review" promulgated by the AICPA. Also, this report/work product does not constitute a legal opinion or advice.

Kishen Patel, FCAS, MAAA and Thomas Conway, ACAS, MAAA are responsible for this report. We are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to perform this engagement and provide the findings contained herein. Comments or questions regarding this report should be directed to Kishen Patel at 312-879-2988, who is also available to provide supplemental information and/or explanation as requested.

II. Distribution and use

This report is intended solely for the information and use of the management of the ORM. The report is not intended to be and should not be used by anyone other than these specified parties. This report should not be relied upon for any other purpose. Any other use or distribution of this report without our express written consent is not authorized.

III. Reliances and limitations

Use of the term "review" in our workproduct

The services we performed throughout this engagement were advisory in nature; therefore, this report/work product does not represent an assurance report or opinion, nor does it constitute an audit, review, examination, or other form of attestation as those terms are defined by the American Institute of Certified Public Accountants. Any use of the term "review" within this report should be interpreted in the common use of that term, and not in the definition of "review" promulgated by the AICPA. Also, this report/work product does not constitute a legal opinion or advice.

Data and qualitative information

The report presents an analysis of data, conditions, and practices communicated to EY personnel involved in this engagement and described herein.

In preparing our analysis, we relied on data and qualitative information provided to us under the direction of Ms. Traci Heyer, Risk Manager, Underwriting & Analytics of the State of Ohio - Office of Risk Management. We have relied on the oral and/or written statements of Ms. Heyer regarding the quality, accuracy, and completeness of the data and information supplied to us. Any inaccuracies or inconsistencies in the data could have a significant effect on our results.

We relied on industry benchmarks based on industry aggregated insurance company data, public rate filing information, and some proprietary development data in performing our analysis.

Our analysis considers loss and ALAE on a combined basis. Any reference to loss in this report is intended to include loss and ALAE, unless otherwise indicated.

In accordance with ASOP 23, *Data* Quality, we performed "an informal examination of the obvious characteristics of the selected data to determine if such data appear reasonable and consistent for purposes of the assignment." This "informal examination" did not constitute an audit of data. Rather, the procedures that we performed on the data provided to us were as follows: Compared incurred and paid loss and ALAE and vehicle exposure information to that of data/loss runs as of prior year evaluations for reasonability/consistency purposes. We note that the review procedures performed may not always uncover existing defects, as they did not constitute an audit. Should any defects be found in the data, by management, through the ORM's financial audit, or through any other external review, we should be notified so that our analysis can be adjusted accordingly.

Evaluation date

The evaluation date is March 31, 2020. Our review considered information provided to us through the date of this report.

Uncertainty or risk

In determining the estimates, EY has used a measure known as the Actuarial Central Estimate. The Actuarial Central Estimate represents an expected value over the range of reasonably possible outcomes. Such a range of reasonably possible outcomes may not include all conceivable outcomes, as, for example, it would not include conceivable extreme events where the contribution of such events to an expected value is not reliably estimable.

The actuarial central estimates in the report are based on assumptions and procedures described in the section of the report entitled "Analysis." Considerable uncertainty and variability are inherent in the estimation of unpaid claim liabilities. The uncertainty of the findings contained herein is increased by the need to use external/industry data and benchmarks due to the small volume of claims history. As a result, it is possible that actual experience may be different than the estimates promulgated in this report, and such difference may be material. As such, we cannot provide any determination that future experience will be as expected in this report or recorded by the Program.

The level of uncertainty in our actuarial central estimates, for both the unpaid claim liability estimate as of March 31, 2020 and for the ultimate loss and ALAE estimate for the next fiscal year, was increased due to the potential impacts from COVID-19, a coronavirus first identified in December 2019 in Wuhan China and later declared a pandemic by the World Health Organization ("WHO") on March 11, 2020, and the economic downturn that ensued. Within a week of the WHO declaration, most major economies had announced significant and increasing restrictions on the movement and interaction of people. On March 25, 2020 it was estimated that a quarter of the world's population was under some form of lockdown or stay-at-home order.

At the time of publication of this report there are many issues arising from COVID-19 that could impact claims incurred by the ORM on or before March 31, 2020. These include:

- A number of states, including Ohio, are under directives to stay-at-home, many courts and arbitration systems are closed, potentially limiting the ability to report claims and the ORM's ability to settle claims thus causing increases in duration and severity.
- Many elective surgeries have been cancelled and claimants are not able to attend physical therapy appointments, potentially limiting the ORM's ability to improve outcomes for claimants thus causing increases in duration and severity.

This list of potential effects may not be exhaustive and at this time we are unable to provide any quantification of the impact from COVID-19 on claims incurred as of March 31, 2020.

Other reliances or limitations

The ORM selected a 2.0% discount rate for purpose of discounting its self-insurance vehicle liability reserve. The assumption provided by the ORM in the prior year was 2.5%. EY relied on this discount rate supplied to us by the ORM. An appropriate discount rate should reflect the expected returns on invested assets of similar size and duration as the claim payments, as well as the uncertainty associated with future returns and the timing and amount of eventual payments. Assessing the reasonableness for the Program's selection of 2.0% is outside the scope of our analysis. The ORM noted that 2.0% was selected based on a longer-term view of the interest rate environment so as not to overreact to the recent volatility and reduction observed in the U.S. treasury yield curve. We note that the comparable duration-matched risk-free rate is 0.20% on the U.S. treasury yield curve rates as of March 31, 2020 based on an estimated duration of payments of 1.5 years, which reflects the lower U.S. treasury yield curve compared to prior years resulting from actions taken by the Federal Reserve to stimulate the economy after the financial downturn from COVID-19.

EY's approach to determine estimates of ultimate loss for the prospective period at different confidence levels was to utilize the Monte Carlo simulation from our March 31, 2018 analysis to estimate the distribution of ultimate claims for this period. This approach estimates the variation of actual results from expected, given a known distribution of aggregate claims (process risk). Though the Program's actual data was used to select the best fit distribution, the actual distribution of ultimate claims is unknown, and selected assumptions such as loss trends and loss development factors were also used; thus, parameter risk still exists.

To allocate the fiscal year 2021 projection period estimates to the participating agencies for purposes of calculating the premium, the fiscal year 2020 query of vehicle counts by agency was used at the guidance of the ORM. This assumes no change in the overall level of exposure for the upcoming fiscal year.

IV. Findings

The EY Summary of total net loss and ALAE reserves for the ORM's self-insured vehicle liability program as of March 31, 2020 is as follows:

| | U | npaid Claims Liability (| \$) |
|------------------------|-----------|--------------------------|-----------|
| | Low | ACE | High |
| (1) Undiscounted | 4,614,171 | 5,494,948 | 6,375,725 |
| (2) Discounted at 2.0% | 4,484,232 | 5,340,206 | 6,196,180 |

Based on our review, we find the range of reasonable unpaid claim estimates to be from \$4.6M to \$6.4M on an undiscounted basis, and \$4.5M to \$6.2M on a discounted basis. The high and low estimates were determined after consideration of the variability observed across the various ultimate loss indications as well as consideration of the nature of the underlying exposure, the inherent variability in this type of coverage, the magnitude of the liabilities, the limits being retained, and our experience with similar exposures with other clients. The above table is also displayed on Exhibit Auto-1.

We performed an actual versus expected analysis based on the assumptions underlying EY's prior actuarial analysis as of March 31, 2019. On an incurred basis, loss and ALAE emerged by \$1.8M less than expected on fiscal/accident years 2019 and prior. On a paid basis, loss and ALAE emerged by \$1.5M less than expected on fiscal/accident years 2019 and prior. Our estimates imply a decrease in ultimate loss and ALAE estimates on those same years of \$1.7M. These actual versus expected diagnostics are also displayed on Exhibit Auto-19 and 20.

The EY estimate of expected ultimate loss and ALAE for the ORM's self-insured vehicle liability program for fiscal accident year 7/1/2020-6/30/2021 is as follows:

| | Ultimate Los | s & ALAE (\$) |
|------------------------|--------------|---------------|
| | ACE @ 2M | ACE @ 5M |
| (1) Undiscounted | 2,347,270 | 2,744,065 |
| (2) Discounted at 2.5% | 2,231,922 | 2,609,218 |

The above estimates are also found on Exhibits Auto-3 and Auto-5. The estimates presented herein are based on the assumption that exposures in fiscal accident year 7/1/2020-6/30/2020 will be comparable to the current exposures observed in the data as of March 31, 2020. Given the level of uncertainty in exposures created by COVID-19, we have assumed a "normal" year and have not made an adjustment for the impacts of COVID-19.

The EY estimate of ultimate loss and ALAE for the ORM's self-insured vehicle liability program for fiscal accident year 7/1/2020-6/30/2021 at various levels of confidence is as follows:

| | Undiscou | inted (\$) | | Discoun | ted (\$) |
|------------------|----------------|----------------|-----|------------|----------------|
| | \$2,000,000 | \$5,000,000 | \$2 | 2,000,000 | \$5,000,000 |
| Confidence Level | per Occurrence | per Occurrence | per | Occurrence | per Occurrence |
| ACE | 2,347,270 | 2,744,065 | | 2,231,922 | 2,609,218 |
| 60% | 2,326,915 | 2,548,731 | | 2,212,567 | 2,423,483 |
| 65% | 2,495,202 | 2,727,015 | | 2,372,585 | 2,593,006 |
| 70% | 2,700,612 | 2,947,136 | | 2,567,900 | 2,802,310 |
| 75% | 2,966,215 | 3,221,356 | | 2,820,452 | 3,063,054 |
| 80% | 3,262,007 | 3,553,978 | | 3,101,707 | 3,379,330 |
| 85% | 3,569,486 | 4,032,991 | | 3,394,076 | 3,834,804 |
| 90% | 3,971,349 | 4,860,982 | | 3,776,192 | 4,622,107 |
| 95% | 4,642,866 | 6,508,796 | | 4,414,709 | 6,188,945 |

A description of the procedures performed to obtain the various confidence levels shown above can be found within the "Analysis" section of this report.

V. Company background

The State of Ohio - Office of Risk Management (the "ORM") manages a self-insured vehicle liability program through the Risk Management Reserve Fund ("The Fund") created under Ohio Revised Code Section 9.823. The Program for vehicle exposures covers liability only; losses related to physical damage are not covered by the Program. The exposures covered by the Program include all motorized, self-propelling "vehicles" as defined in Ohio Revised Code 9.83, including passenger vehicles, medium and heavy weight trucks, emergency vehicles, guest vehicles (buses), off-road light and heavy equipment and watercraft.

The Program covers all state agencies, boards and commissions, as well as the Legislative and Judicial branches of state government. Pursuant to Ohio Revised Code 9.82, the "state" does not include political subdivisions or institutions of higher education. There are currently 92 entities covered under the Program. Premiums are allocated to and paid by the agencies that own the state "vehicles." The ORM agrees to pay liability claims and judgments properly made and rendered against the state, state officers, or state employees that arise from the officer's or employee's operation of any state-owned vehicle, provided that the operation of the vehicle was in the course of state business as authorized by the state agency. For fiscal year ending June 30, 2020, over two-thirds of the exposures are associated with three state departments; Department of Natural Resources, Department of Public Safety, and the Department of Transportation.

VI. Analysis

General approach

We prepared an independent estimate of net loss and ALAE liabilities for fiscal accident years 2005 through 2020, using data provided by the ORM as of March 31, 2020. Liability estimates were limited to historical self-insured retentions. Additionally, we prepared expected ultimate loss and ALAE projections for the next fiscal accident year beginning July 1, 2020 and ending June 30, 2021 at limits of self-insured liability of \$2 million and \$5 million.

We utilized data provided by the ORM, supplemented with benchmarks derived from industry aggregated data and publicly available Commercial Auto product filings/manuals.

Responsible party for methods and assumptions

EY is responsible for each material assumption and method used in this analysis, except as noted below:

- As discussed above, the data are the responsibility of the ORM
- The discount rate utilized was provided by the ORM
- We relied on industry aggregated insurance company data for consideration of Commercial Auto Liability loss development
- We utilized public rate filing information for consideration of Commercial Auto Liability Increased Limit Factors and Vehicle Classification relativities
- We relied on the current estimates of vehicle counts by agency as the basis for the fiscal year 2021 projection period and premium allocation, as directed by the ORM

Detailed description of analysis

1. Organization of Data

The loss data was analyzed on a combined basis, including both loss and ALAE. The loss data was organized by historical fiscal/accident year, as the coverage was provided on an occurrence basis. Our analysis was based upon data beginning July 1, 2004 through March 31, 2020, evaluated as of March 31, 2020. A fiscal/accident year for the ORM runs from July 1st to June 30th. For example, fiscal accident year 2017 includes all claims that incurred in the period July 1, 2016 to June 30, 2017. Data is presented limited to the historical self-insured retentions, which are \$1 million per occurrence for fiscal/accident years 2005-2008, and \$2 million per claim for all subsequent periods. Our estimates take into account the fact that self-insured retentions are applied to claims after application of deductibles and recognition of salvage and subrogation recoveries. We have not separately estimated the impact of deductibles and recoveries, as such procedures were not outlined in our scope of work.

2. Estimation Methodologies

We computed independent estimates of loss and ALAE liabilities limited to historical retentions by applying the following generally accepted actuarial methods to paid and incurred loss and ALAE data as of March 31, 2020:

- 1. Paid and Incurred Loss Development Method
- 2. Paid and Incurred Bornhuetter-Ferguson Method ("BF")
- 3. IBNR-to-Case Outstanding Method
- 4. Expected Loss Ratio Method

A description of each of the methodologies used is included in Section VII of this report.

3. Procedures performed

Loss and ALAE liability/reserve estimates

The paid and incurred loss development patterns used in the first three methods listed above are derived from loss development triangles of the Program's historical data provided by the ORM but reflect our own independent view of the loss emergence patterns. The loss development triangles are stated on an unlimited basis and are not limited to historical self-insured retentions. Based on

these triangles, we have first selected paid and incurred development patterns. We supplemented the Program's data with aggregated Commercial Auto Liability ("CAL") benchmarks in coming up with our final loss development factor selections. Selected loss development factors were applied to corresponding limited loss and ALAE by fiscal/accident year at historical retentions to calculate ultimate loss. Please see Exhibits Auto-7 through Auto-9 for details on these methods.

The key assumption for the BF methods is the "a priori" loss estimate. We have derived a set of loss rates based on comparing the ultimate loss indications from the development methods described above to the exposure base (number of vehicles). These loss rates were then trended to the fiscal accident year 2021 for exposure, severity and frequency. We have applied a net trend of 3% for CAL. The trend rate was selected based on the Program's historical data and our knowledge of recent industry development for this type of risk exposure. Since retention levels have varied by year, we adjusted the historical data to be at the most current retention (\$2M) using Increased Limit Factors ("ILF"). Once an expected loss rate was selected at the \$2M retention, we then adjusted the selected loss rate back to historical retention levels for past years (2005-2008, \$1M) by adjusting with the same ILF. The selected loss rate was also de-trended to the respective accident period to derive the a priori loss estimate by year. Ultimate losses were derived by multiplying the percent unreported (or unpaid) for each accident year, based on our selected loss development patterns, by the a priori loss estimate, and adding reported (or paid) loss and ALAE to date. Thus, this method relies more heavily on the exposure to loss, and our initial expectations, for accident periods where there has not yet been a considerable amount of loss reported (or paid). Please see Exhibits Auto-11 through Auto-13 for detailed calculations for the BF methods.

Ultimate losses were selected for each accident period by giving different weights to the indications produced by the methods described above and detailed further in Section VII. The weights were selected based on actuarial judgement. In general, for immature accident periods, more weight was given to methods that incorporate expectations, such as the BF methods. As accident periods mature, and more claims for that period are reported to date, more weight was given to paid and incurred development methods. Exhibit Auto-5 displays indicated ultimate loss and ALAE from each actuarial method, along with our selected ultimate loss and ALAE.

Actual versus expected analysis ("AvE")

As part of our review, we have performed hindsight analyses for fiscal/accident periods 2019 and prior by comparing the actual paid and incurred loss emergence since the prior year review at March 31, 2019 to what was expected based on the paid and incurred loss development patterns selected at the time of the prior review. We used this comparison of actual loss development versus expected loss development as a reasonability check for the changes in our current year selected ultimate losses compared to the prior year's selected ultimate losses for all accident periods 2019 and prior.

For accident periods 2019 and prior, the actual reported loss emergence over the period was \$1.8M less than expected while the actual paid loss emergence over the period was \$1.5M less than expected based on our selected development patterns as of March 31, 2019. Commensurate with the loss emergence observed, we have decreased our overall ultimate loss estimates for accident years 2019 and prior, decreasing them by \$1.7M since March 31, 2019.

Prospective period estimates

The ultimate loss estimate for the next fiscal accident year beginning July 1, 2020 through June 30, 2021 was established using the a priori loss rate selected for the BF method. The initial selected expected loss rate at the fiscal accident year 2021 level was multiplied by the expected number of vehicles (exposures) to be covered under the Program for the coming year. As described above, this estimate was based on an expected loss rate at the most recent year's self-insured retention of \$2M. To get an estimate of the ultimate loss at the \$5 million retention, we applied an ILF to the ultimate loss. More details on the ILFs can be found in sub-section "4. Assumptions" below.

The ultimate loss estimate for fiscal year 2021 was then allocated for premium calculation purposes to the 92 agencies anticipated to have in-service of vehicles covered under the Program for the upcoming fiscal year. We estimated the allocation giving consideration to two methods. The first method allocated the ultimate loss and ALAE based on the projected vehicle count distribution, by agency, for fiscal/accident year 2021. The second method allocated based on the historical loss and ALAE experience of each agency. Projected vehicles/exposures are based on fiscal/accident year 2020 exposures by agency and vehicle classification, and are adjusted by proposed classification relativities (see Exhibit Auto Premium Allocation-7). The historical agency loss and ALAE experience was developed to ultimate using the selected loss development factors utilized in this review for the aggregate estimate and were trended to the current cost level utilizing the same trend factor as that used in deriving the a priori expected loss rate described above. The ultimate trended losses were then capped at \$250,000 to avoid over-penalizing an agency for an unusually large loss.

Two scenarios were presented for consideration based on the different allocation methods discussed above. The first allocation scenario was based on 50% weight to the vehicle count method and 50% to the historical experience method. These weights were provided by the ORM and are consistent with the weighting used in the prior year analysis. A second scenario was based on using credibility weights that vary the weight given to the historical experience method depending on the size of the fleet for each agency. The following table summarizes the credibility weights statistically calculated and selected by the ORM:

| | Statistical | ORM Selected | |
|-------------|-------------|--------------|----------|
| # of | Experience | Experience | |
| Vehicles | Weighting | Weighting | % of |
| Range | Factor | Factor | Agencies |
| (0,15] | 6% | 15% | 50% |
| (15, 100] | 16% | 15% | 18% |
| (100, 250] | 25% | 25% | 17% |
| (250, 500] | 36% | 35% | 8% |
| (500, 1500] | 61% | 60% | O% |
| (1500+ | 87% | 75% | 7% |

The statistical experience weighting factor was calculated as the square root of the # of vehicles divided by the full credibility standard. The full credibility standard was calculated as 3,966 using the standard frequency full credibility sample size of 1,082 converted to an annual number of Class 310 vehicles based on the observed claim frequency of 2.48% and 11 years of historical data used in the experience method. Exhibits Auto Premium Allocation-2 through 7 show the derivation of the final allocation of premium to agency on an undiscounted and discounted basis.

The method EY chose to estimate the variation of the ultimate loss and ALAE of the prospective period was to rely upon the Monte Carlo simulation performed as of March 31, 2018 to estimate the probability distribution for aggregate claims. In this simulation as of March 31, 2018, the bodily injury and property damage portions of claims severity were modeled separately as these coverages have different distributional shapes, specifically at the tail of the distribution. We trended the bodily injury and property damage claim values by 3.0% to the 2021 level and developed all claims to ultimate values. We performed 10,000 simulations for each group, drawing from a Poisson distribution to obtain the number of claims in each simulation, with a mean annual frequency of 0.155% (or 28 claims) for bodily injury and a mean of 2.0% (or 365 claims) for property damage. We ran these simulations simultaneously and developed confidence levels based upon the resulting distribution of simulated results. The results of the March 31, 2018 simulation were then calibrated to our March 31, 2020 ACE.

Discounting

Estimates for the outstanding liability and the ultimate loss for the prospective year are presented on a discounted basis to reflect the time value of money. Exhibits Auto-2 and Auto-3 show the calculation for unpaid claims liability (years 2005-2020) and ultimate loss and ALAE (year 2021), respectively. EY utilized a discount rate of 2.0%, supplied to us by the ORM, and the annual payment pattern implied by our paid loss development factor selections to discount future cash flows from reserves to 3/31/2020, and the future payments associated with the ultimate loss and ALAE of the prospective period back to July 1, 2020 (the beginning of that period). When necessary, interpolation was used to develop cumulative loss development factors at interim ages/maturities not explicitly selected in our analyses. We make note that actual future rates of return may be greater than or less than the rate of 2.0% supplied to us by the ORM. Additionally, the actual timing of claim payments emanating from the reserves and ultimate loss at 3/31/2020 may be different than the expected timing that is underlying the discounted estimates. An appropriate discount rate should reflect the expected returns on invested assets of similar size and duration as the claim payments, as well as the uncertainty associated with future returns and the timing and amount of eventual payments. An examination of the assets of the Fund and an evaluation of the reasonableness of the discount rate assumption of 2.0% were beyond the scope of the assignment and we are therefore unable to comment on the reasonableness of this assumption. We note that the comparable durationmatched risk-free rate is 0.20% on the U.S. treasury yield curve rates as of March 31, 2020 based on an estimated duration of payments of 1.5 years, which reflects the lower U.S. treasury yield curve compared to prior years resulting from actions taken by the Federal Reserve to stimulate the economy after the financial downturn from COVID-19.

4. Assumptions

We relied on industry benchmarks to supplement our analysis due to the volatility in the Program's own loss history due to the small volume of claims. These benchmarks included industry incurred and paid loss development patterns, public rate and product filing information, and some proprietary development data in performing our analysis. We also relied on a discount date of 2.0% provided by the ORM.

The industry development patterns were obtained from aggregated CAL data available through an insurance industry data aggregator as of December 31, 2019. Benchmark ILFs for CAL were utilized in our analysis to supplement sparse data at higher value loss points. Benchmarks were based off of top Ohio CAL writers' publicly available rate and product filings, and internal proprietary data from clients with similar exposure.

VII. Description of methods

Loss development methods

The reported (case incurred) loss development method relies on the assumption that, at any given state of maturity, ultimate losses can be predicted by multiplying cumulative reported losses (paid losses plus case OS) by a cumulative development factor. The validity of the results of this method depends on the stability of claim reporting and settlement rates, as well as the consistency of case OS levels. Case OS does not have to be adequately stated for this method to be effective; they only need to have a fairly consistent level of adequacy at all stages of maturity.

Historical "age-to-age" loss development factors ("LDFs") were calculated to measure the relative development of an accident year from one maturity point to the next. We then indicated appropriate age-to-age LDFs based on these historical factors. We used the indicated factors to project the ultimate losses.

The paid loss development method is mechanically identical to the incurred loss development method described above. The paid method does not rely on case OS or claim reporting patterns in making projections.

The validity of the results from using a loss development approach can be affected by many conditions, such as internal claim department processing changes, a shift between single and multiple payments per claim, legal changes, or variations in a company's mix of business from year to year. Also, since the percentage of losses paid for immature years is often low, development factors are volatile. A small variation in the number of claims paid can have a leveraging effect that can lead to significant changes in estimated ultimates. Therefore, ultimate values for immature accident years are often based on alternative estimation techniques.

IBNR-to-Case OS Method

This method requires the estimation of consistent paid and reported (case) incurred loss development patterns and age-to-ultimate factors. These patterns imply a specific expected relationship between IBNR, including both development on known claims (bulk reserve) and losses on true late reported claims, and reported case incurred losses. This method can be used in a variety of situations. It is appropriate for experience that is mature and possesses a very high ratio of paid losses to reported incurred losses. The strict extrapolation by age-to-ultimate factors may yield unrealistically high estimates of ultimate losses. The method also permits an evaluation of the difference in maturity between the business being reviewed and benchmark development patterns. Depending on the relationship of paid to incurred losses, an estimate of the relative maturity of the business being reviewed can be made and a subsequent estimate driven by the implied IBNR to Case OS ratio at the appropriate maturity can be made. This method is also very useful where experience is incomplete and only the Case OS amounts are determined to be reliable.

Bornhuetter-Ferguson expected loss projection methods

The Bornhuetter-Ferguson expected loss projection method based on reported loss data relies on the assumption that remaining unreported losses are a function of the total expected losses rather than a function of currently reported losses. The expected losses used in this analysis are based on the ultimate estimates of older accident years relative to the number of exposures. The expected losses are multiplied by the unreported percentage to produce expected unreported losses. The unreported percentage is calculated as one minus the reciprocal of the indicated cumulative incurred LDFs. Finally, the expected unreported losses are added to the current reported losses to produce ultimate losses.

The calculations underlying the Bornhuetter-Ferguson expected loss projection method based on paid loss data are similar to the incurred Bornhuetter-Ferguson calculations with the exception that paid losses and unpaid percentages replace reported losses and unreported percentages.

The Bornhuetter-Ferguson method is most useful as an alternative to other models for immature accident years. For these immature years, the amounts reported or paid may be small and unstable and therefore not predictive of future development. Therefore, future development is assumed to follow an expected pattern that is supported by more stable historical data or by emerging trends. This method is also useful when changing reporting patterns or payment patterns distort historical development of losses.

Similar to the development methods, the Bornhuetter-Ferguson method may be applied to loss and ALAE on a combined or separate basis.

Expected Loss Rate/Ratio projection methods

The expected loss rate projections method utilizes only the a-priori expected loss rate and exposure base to determine ultimate loss. The expected losses used in this analysis are based on the ultimate estimates of older accident years, or can be based on plan loss ratios and industry benchmarks. The initial selected expected loss rate is multiplied by the exposures for a given year to arrive at the ultimate loss estimate.

This technique is most often used when there is a lack of appropriate past claims occurrence data due to change in product mix, low volumes of past data, or when there is little to no amount of loss reported to date for immature years on longer-tailed lines.

VIII. Exhibits

Listing of exhibits:

- Exhibit Summary-1: Estimate of Ultimate Loss & ALAE for Accident Year 7/1/2020-6/30/2021
- Exhibit Auto-1: Estimated Unpaid Claims (Accident Years 2005-2020)
- Exhibit Auto-2: Payout and Discounting of Unpaid Claim Liabilities as of 3/31/2020
- Exhibit Auto-3: Payout and Discounting of Ultimate Loss and ALAE 7/1/20-21 Accident Period
- Exhibit Auto-4: Summary of Loss & ALAE Reserves
- Exhibit Auto-5: Comparison of Ultimate Loss & ALAE Estimates
- Exhibit Auto-6: Paid Loss & ALAE Development Method
- Exhibit Auto-7: Paid Loss & ALAE
- Exhibit Auto-8: Incurred Loss & ALAE Development Method
- Exhibit Auto-9: Incurred Loss & ALAE
- Exhibit Auto-10: Incurred IBNR to Case Development Method for Loss & ALAE
- Exhibit Auto-11: Bornhuetter-Ferguson Method Using Paid Loss & ALAE
- Exhibit Auto-12: Bornhuetter-Ferguson Method Using Incurred Loss & ALAE
- Exhibit Auto-13: Loss & ALAE Rate Helper: Selection for Bornhuetter-Ferguson Method
- Exhibit Auto-14 Increased Limits Factors
- Exhibit Auto-15: Summary of Ultimate Number of Claims and Claims Outstanding
- Exhibit Auto-16: Estimates of Ultimate Number of Claims
- Exhibit Auto-17: Non-Zero Claims Reported
- Exhibit Auto-18: Claims Closed w/ Pay
- Exhibit Auto-19: Actual vs Expected Incurred Loss & ALAE

- Exhibit Auto-20: Actual vs Expected Paid Loss & ALAE
- Exhibit Auto-21: Actual vs Expected Reported Non-Zero Counts
- Exhibit Auto Premium Allocation-1-3: Allocation of 7/1/20-21 Ultimate Loss & ALAE by Agency at ACE \$2M per Occurrence and Undiscounted
- Exhibit Auto Premium Allocation-4-6: Allocation of 7/1/20-21 Ultimate Loss & ALAE by Agency at ACE \$2M per Occurrence and Discounted 2.0%
- Exhibit Auto Premium Allocation-7: Vehicle Type Classification Relativities

State of Ohio - Office of Risk Management Auto Liability March 31, 2020

Estimate of Ultimate Loss & ALAE for Accident Year 7/1/2020-6/30/2021

| | Undiscou | nted (\$) | Discou | nted (\$) |
|------------------|----------------|----------------|----------------|----------------|
| | \$2,000,000 | \$5,000,000 | \$2,000,000 | \$5,000,000 |
| Confidence Level | per Occurrence | per Occurrence | per Occurrence | per Occurrence |
| ACE | 2,347,270 | 2,744,065 | 2,231,922 | 2,609,218 |
| 60% | 2,326,915 | 2,548,731 | 2,212,567 | 2,423,483 |
| 65% | 2,495,202 | 2,727,015 | 2,372,585 | 2,593,006 |
| 70% | 2,700,612 | 2,947,136 | 2,567,900 | 2,802,310 |
| 75% | 2,966,215 | 3,221,356 | 2,820,452 | 3,063,054 |
| 80% | 3,262,007 | 3,553,978 | 3,101,707 | 3,379,330 |
| 85% | 3,569,486 | 4,032,991 | 3,394,076 | 3,834,804 |
| 90% | 3,971,349 | 4,860,982 | 3,776,192 | 4,622,107 |
| 95% | 4,642,866 | 6,508,796 | 4,414,709 | 6,188,945 |

Notes:

ACE from Exhibit Auto-3

Confidence Level estimates based on Monte Carlo simulation

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Estimated Unpaid Claims (Accident Years 2005-2020)

| | U | npaid Claims Liability (| \$) |
|------------------------|-----------|--------------------------|-----------|
| | Low | ACE | High |
| (1) Undiscounted | 4,614,171 | 5,494,948 | 6,375,725 |
| (2) Discounted at 2.0% | 4,484,232 | 5,340,206 | 6,196,180 |

Notes:

(1) Exhibit Auto-4

(2) Exhibit Auto-2

Low and High discounted based on average discount for ACE

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Payout and Discounting of Unpaid Claim Liabilities as of 3/31/2020

| A | Reserves | | | | D) D | | | | |
|----------------------------|--------------|------------|------------|------------|----------------|------------|------------|------------|------------|
| Accident | at 3/31/2020 | | | - | 2) Payments in | | | | |
| Period | (1) | 3/31/20-21 | 3/31/21-22 | 3/31/22-23 | 3/31/23-24 | 3/31/24-25 | 3/31/25-26 | 3/31/26-27 | 3/31/27-28 |
| 7/1/2011-12 | - | - | - | - | - | - | - | - | - |
| 7/1/2012-13 | 203,715 | 203,715 | - | - | - | - | - | - | - |
| 7/1/2013-14 | 64,715 | 37,086 | 27,629 | - | - | - | - | - | - |
| 7/1/2014-15 | 302,169 | 195,373 | 61,202 | 45,595 | - | - | - | - | - |
| 7/1/2015-16 | 545,349 | 279,233 | 172,062 | 53,900 | 40,155 | - | - | - | - |
| 7/1/2016-17 | 203,236 | 118,577 | 43,347 | 26,710 | 8,367 | 6,234 | - | - | - |
| 7/1/2017-18 | 721,670 | 393,959 | 191,202 | 69,896 | 43,070 | 13,492 | 10,051 | - | - |
| 7/1/2018-19 | 2,102,234 | 1,047,053 | 576,022 | 279,564 | 102,198 | 62,974 | 19,727 | 14,696 | - |
| 7/1/2019-20 | 1,351,860 | 252,363 | 547,623 | 301,267 | 146,216 | 53,451 | 32,936 | 10,317 | 7,686 |
| (2) Calendar Year Payments | 5,494,948 | 2,527,359 | 1,619,087 | 776,932 | 340,005 | 136,150 | 62,714 | 25,014 | 7,686 |
| (3) Duration of Payment | | 0.5 | 1.5 | 2.5 | 3.5 | 4.5 | 5.5 | 6.5 | 7.5 |
| (4) Discount Rate | | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% |
| (5) Discounted Payments | 5,340,206 | 2,502,458 | 1,571,701 | 739,406 | 317,238 | 124,542 | 56,243 | 21,993 | 6,626 |

Notes:

(1) Exhibit Auto-4

(2) Based on payment pattern applied to (1)

(3) Age of payments in years

(4) Provided by Client
(5) = (2) / [1 + (4)]^(3)

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Payout and Discounting of Ultimate Loss and ALAE 7/1/2020-21 Accident Period

| Accident | Limit | Ultimate | (3) Payments in Calendar Period | | | | | | | | |
|--------------------|---------------|-----------|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Period | (1) | (2) | 7/1/20-21 | 7/1/21-22 | 7/1/22-23 | 7/1/23-24 | 7/1/24-25 | 7/1/25-26 | 7/1/26-27 | 7/1/27-28 | 7/1/28-29 |
| 7/1/2020-21 | 2M | 2,347,270 | 329,368 | 510,716 | 761,012 | 411,019 | 192,627 | 75,661 | 42,716 | 15,125 | 9,026 |
| 7/1/2020-21 | 5M | 2,744,065 | 385,046 | 597,050 | 889,658 | 480,500 | 225,189 | 88,451 | 49,937 | 17,682 | 10,552 |
| (4) Duration of Pa | ayment (to 7, | /1/2020) | 0.50 | 1.50 | 2.50 | 3.50 | 4.50 | 5.50 | 6.50 | 7.50 | 8.50 |
| (5) Discount Rate | | | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% |
| (6) Discounted Pa | ayments | | | | | | | | | | |
| 7/1/2020-21 | 2M | 2,231,922 | 326,122 | 495,769 | 724,255 | 383,496 | 176,204 | 67,853 | 37,557 | 13,037 | 7,628 |
| 7/1/2020-21 | 5M | 2,609,218 | 381,252 | 579,576 | 846,687 | 448,325 | 205,990 | 79,323 | 43,906 | 15,241 | 8,917 |

Notes:

(1) Provided by Client

(2) Exhibit Auto-5

(3) Based on payment pattern applied to (2)

(4) Age of payments in years
(5) Provided by Client
(6) = (2) / [1 + (4)]^(3)

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Summary of Loss & ALAE Reserves

| Accident Period Ending 7/1/xxxx | Paid (1) | Incurred (2) | Selected Ultimate (3) | Case Reserve (4) | IBNR Reserve (5) | EY ACE Loss & ALAE Reserve (6) | EY Low Loss & ALAE Reserves (7) | EY High Loss & ALAE Reserves (8) |
|---------------------------------------|-------------|-----------------|-----------------------------|------------------------|------------------------|---|--|---|
| 2005 | 909,673 | 909,673 | 909,673 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 727,033 | 727,033 | 727,033 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 1,578,290 | 1,578,290 | 1,578,290 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 776,096 | 776,096 | 776,096 | 0 | 0 | 0 | 0 | 0 |
| 2009 | 1,248,331 | 1,248,331 | 1,248,331 | 0 | 0 | 0 | 0 | 0 |
| 2010 | 2,632,202 | 2,632,202 | 2,632,202 | 0 | 0 | 0 | 0 | 0 |
| 2011 | 921,060 | 921,060 | 921,060 | 0 | 0 | 0 | 0 | 0 |
| 2012 | 1,258,538 | 1,258,538 | 1,258,538 | 0 | 0 | 0 | 0 | 0 |
| 2013 | 939,799 | 1,140,283 | 1,143,514 | 200,485 | 3,230 | 203,715 | 112,810 | 294,620 |
| 2014 | 2,209,137 | 2,257,887 | 2,273,851 | 48,750 | 15,965 | 64,715 | 45,328 | 84,101 |
| 2015 | 2,936,449 | 3,188,573 | 3,238,618 | 252,125 | 50,045 | 302,169 | 220,451 | 383,887 |
| 2016 | 447,846 | 957,996 | 993,195 | 510,150 | 35,199 | 545,349 | 344,553 | 746,145 |
| 2017 | 508,609 | 554,675 | 711,844 | 46,067 | 157,169 | 203,236 | 108,771 | 297,701 |
| 2018 | 1,377,956 | 1,719,799 | 2,099,626 | 341,843 | 379,827 | 721,670 | 675,677 | 767,662 |
| 2019 | 574,121 | 1,936,589 | 2,676,355 | 1,362,468 | 739,766 | 2,102,234 | 1,905,605 | 2,298,862 |
| 2020 @ 9mo | 174,880 | 504,109 | 1,526,740 | 329,230 | 1,022,630 | 1,351,860 | 1,200,974 | 1,502,746 |
| Total | 19,220,018 | 22,311,135 | 24,714,966 | 3,091,117 | 2,403,831 | 5,494,948 | 4,614,171 | 6,375,725 |

Notes:

| (1) Exhibit Auto-6 | (5) = (3) - (2) |
|--|--|
| (2) Exhibit Auto-8 | (6) = (4) + (5) |
| (3) EY Select - latest year is a partial year estimate | (7) EY Select - latest year is a partial year estimate |
| (4) = (2) - (1) | (8) EY Select - latest year is a partial year estimate |

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Comparison of Ultimate Loss & ALAE Estimates

| Accident Period Ending 7/1/xxxx | Exposure (Vehicle Count) (1) | Limited Paid Development (2) | Limited Incurred Development (3) | Limited Paid B-F (4) | Limited Incurred B-F (5) | IBNR to Case OS (6) | Average (7) | Prior Selected Ultimate (8) | EY Selected Ultimate (9) | Change in Ultimate (10) | Ultimate Loss Rate (11) | Low Estimate (12) | High Estimate (13) |
|---------------------------------------|------------------------------------|---------------------------------------|---|----------------------------|--------------------------------|---------------------------|----------------|--------------------------------------|-----------------------------------|-------------------------------|----------------------------------|-------------------------|--------------------------|
| 2005 | 15,996 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 0 | 56.87 | 909,673 | 909,673 |
| 2005 | 15,990 | 727,033 | 727,033 | 727,033 | 727,033 | 727.033 | 727,033 | 727,033 | 727,033 | 0 | 45.67 | 727,033 | 727,033 |
| 2008 | 15,952 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 0 | 98.94 | 1,578,290 | 1,578,290 |
| 2007 | 16,656 | 776,096 | 776,096 | 776,096 | 776,096 | 776,096 | 776,096 | 776,096 | 776,096 | 0 | 46.60 | 776,096 | 776,096 |
| 2008 | 16,732 | 1,248,331 | 1,248,331 | 1,248,331 | 1,248,331 | 1,248,331 | 1,248,331 | 1,248,331 | 1,248,331 | 0 | 74.61 | 1,248,331 | 1,248,331 |
| | | | | | | | | | | 0 | | | |
| 2010 | 16,381 | 2,632,202 | 2,632,202 | 2,632,202 | 2,632,202 | 2,632,202 | 2,632,202 | 2,632,202 | 2,632,202 | - | 160.69 | 2,632,202 | 2,632,202 |
| 2011 | 16,449 | 921,060 | 921,060 | 921,060 | 921,060 | 921,060 | 921,060 | 921,060 | 921,060 | 0 | 56.00 | 921,060 | 921,060 |
| 2012 | 16,516 | 1,258,538 | 1,258,538 | 1,258,538 | 1,258,538 | 1,258,538 | 1,258,538 | 1,261,977 | 1,258,538 | (3,439) | 76.20 | 1,258,538 | 1,258,538 |
| 2013 | 16,383 | 944,642 | 1,143,514 | 947,942 | 1,144,770 | 1,386,297 | 1,113,433 | 1,144,721 | 1,143,514 | (1,207) | 69.80 | 1,052,609 | 1,234,419 |
| 2014 | 16,396 | 2,235,990 | 2,273,851 | 2,228,799 | 2,269,382 | 2,326,497 | 2,266,904 | 2,291,995 | 2,273,851 | (18,144) | 138.68 | 2,254,465 | 2,293,238 |
| 2015 | 16,403 | 3,039,739 | 3,238,618 | 2,993,775 | 3,214,643 | 3,398,854 | 3,177,126 | 3,321,286 | 3,238,618 | (82,668) | 197.44 | 3,156,900 | 3,320,336 |
| 2016 | 17,990 | 481,365 | 993,195 | 580,556 | 1,025,538 | 1,486,744 | 913,480 | 1,105,297 | 993,195 | (112,102) | 55.21 | 792,399 | 1,193,991 |
| 2017 | 16,939 | 610,698 | 606,193 | 817,586 | 711,754 | 602,313 | 669,709 | 1,169,382 | 711,844 | (457,538) | 42.02 | 617,380 | 806,309 |
| 2018 | 18,228 | 2,180,761 | 2,104,760 | 2,132,116 | 2,094,492 | 2,057,341 | 2,113,894 | 2,964,053 | 2,099,626 | (864,427) | 115.19 | 2,053,633 | 2,145,618 |
| 2019 | 18,000 | 2,153,700 | 2,835,123 | 2,102,350 | 2,596,971 | 2,973,349 | 2,532,298 | 2,873,242 | 2,676,355 | (196,887) | 148.69 | 2,479,726 | 2,872,983 |
| 2020 | 19,113 | 1,780,230 | 1,360,367 | 2,229,916 | 1,938,522 | 1,265,040 | 1,714,815 | 2,345,669 | 2,035,653 | (310,016) | 106.51 | 1,834,472 | 2,236,835 |
| Total | 270,055 | 23,478,348 | 24,606,844 | 24,084,263 | 25,047,295 | 25,547,658 | 24,552,882 | 27,270,306 | 25,223,880 | (2,046,427) | 93.40 | 24,292,807 | 26,154,952 |
| 2021 @\$2M | 19,113 | | | | | | | | 2,347,270 | | 122.81 | | |
| 2021 @\$2M 2021 @\$5M | 19,113 | | | | | | | | 2,744,065 | | 143.57 | | |
| 2021 0001 | 17,115 | | | | | | | | 2,144,005 | | 143.51 | | |
| Notes: | | | | | | | | | | | | | |

| (1) | Provided by Client | (7) | Average (2) through (5) |
|-----|--------------------|----------|-------------------------|
| (2) | Exhibit Auto-6 | (8) | Prior EY Analysis |
| (3) | Exhibit Auto-8 | (9) | EY Select |
| (4) | Exhibit Auto-11 | (10) | = (9) - (8) |
| (5) | Exhibit Auto-12 | (11) | = (9)/(1) |
| (6) | Exhibit Auto-10 (| 12)&(13) | EY Select |

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Paid Loss & ALAE Development Method

| Accident Period Ending 7/1/xxxx | Historical Retention (1) | Limited at Historical Retention Paid Loss & ALAE (2) | EY Factor to Ultimate (3) | Limited Ultimate @ Retention (4) |
|---------------------------------------|--------------------------------|---|------------------------------------|---|
| | | | | |
| 2005 | 1,000,000 | 909,673 | 1.000 | 909,673 |
| 2006 | 1,000,000 | 727,033 | 1.000 | 727,033 |
| 2007 | 1,000,000 | 1,578,290 | 1.000 | 1,578,290 |
| 2008 | 1,000,000 | 776,096 | 1.000 | 776,096 |
| 2009 | 2,000,000 | 1,248,331 | 1.000 | 1,248,331 |
| 2010 | 2,000,000 | 2,632,202 | 1.000 | 2,632,202 |
| 2011 | 2,000,000 | 921,060 | 1.000 | 921,060 |
| 2012 | 2,000,000 | 1,258,538 | 1.000 | 1,258,538 |
| 2013 | 2,000,000 | 939,799 | 1.005 | 944,642 |
| 2014 | 2,000,000 | 2,209,137 | 1.012 | 2,235,990 |
| 2015 | 2,000,000 | 2,936,449 | 1.035 | 3,039,739 |
| 2016 | 2,000,000 | 447,846 | 1.075 | 481,365 |
| 2017 | 2,000,000 | 508,609 | 1.201 | 610,698 |
| 2018 | 2,000,000 | 1,377,956 | 1.583 | 2,180,761 |
| 2019 | 2,000,000 | 574,121 | 3.751 | 2,153,700 |
| 2020 | 2,000,000 | 174,880 | 10.180 | 1,780,230 |

Total

19,220,018

23,478,348

Notes:

(1) Provided by Client

(2) Exhibit Auto-7

(3) Exhibit Auto-7, adjusted for retention

(4) = (2) x (3)

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Paid Loss & ALAE

| Paid Loss & ALAE | | | | | | | | | | | | | | | | |
|---------------------------------------|----------------|---------|----------------|-----------|-----------|-----------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|
| Accident Period Ending 7/1/xxxx | 9 | 21 | 33 | 45 | 57 | 69 | 81 | Months of Dev 93 | | 117 | 129 | 1.41 | 153 | 165 | 177 | 189 |
| //1/XXXX | 9 | 21 | 33 | 45 | 57 | 69 | 81 | 93 | 105 | 117 | 129 | 141 | 153 | 165 | 1// | 189 |
| 2005 | | | | | | | | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 |
| 2006 | | | | | | | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | |
| 2007 | | | | | | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | | |
| 2008 | | | | | 774,546 | 774,546 | 775,046 | 775,046 | 775,046 | 776,096 | 776,096 | 776,096 | 776,096 | | | |
| 2009 | | | | 1,194,498 | 1,212,726 | 1,246,374 | 1,246,459 | 1,246,459 | 1,248,331 | 1,248,331 | 1,248,331 | 1,248,331 | | | | |
| 2010 | | | 549,387 | 2,599,797 | 2,623,790 | 2,633,958 | 2,622,635 | 2,622,635 | 2,652,820 | 2,652,820 | 2,652,820 | | | | | |
| 2011 | | 578,180 | 935,263 | 935,438 | 935,438 | 934,543 | 921,060 | 921,060 | 921,060 | 921,060 | | | | | | |
| 2012 | 182,763 | 321,644 | 848,350 | 1,109,465 | 1,186,890 | 1,186,890 | 1,258,538 | 1,258,538 | 1,258,538 | | | | | | | |
| 2013 | 168,424 | 285,618 | 606,474 | 924,150 | 924,226 | 930,283 | 933,875 | 939,799 | | | | | | | | |
| 2014 | 197,935 | 460,548 | 1,468,696 | 1,549,043 | 2,080,316 | 2,082,673 | 2,209,137 | | | | | | | | | |
| 2015 | 248,668 | 404,940 | 675,931 | 2,675,618 | 2,883,423 | 2,936,884 | | | | | | | | | | |
| 2016 | 164,746 | 303,093 | 370,030 | 440,598 | 447,846 | | | | | | | | | | | |
| 2017 | 158,601 | 307,742 | 447,365 | 508,609 | | | | | | | | | | | | |
| 2018 | 190,113 | 354,636 | 1,377,956 | | | | | | | | | | | | | |
| 2019 | 185,895 | 574,121 | | | | | | | | | | | | | | |
| 2020 | 174,880 | | | | | | | | | | | | | | | |
| Period Ending | | | | | | | | Developmen | t Factors | | | | | | | |
| 7/1/xxxx | 9-21 | 21-33 | 33-45 | 45-57 | 57-69 | 69-81 | 81-93 | 93-105 | 105-117 | 117-129 | 129-141 | 141-153 | 153-165 | 165-177 | 177-189 | 189-201 |
| | | | | | | | | | | | | | | | | |
| 2005 | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 2006 | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 2007 | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 2008 | | | | | 1.000 | 1.001 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | | | | |
| 2009 | | | | 1.015 | 1.028 | 1.000 | 1.000 | 1.002 | 1.000 | 1.000 | 1.000 | | | | | |
| 2010 | | | 4.732 | 1.009 | 1.004 | 0.996 | 1.000 | 1.012 | 1.000 | 1.000 | | | | | | |
| 2011 | | 1.618 | 1.000 | 1.000 | 0.999 | 0.986 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2012 | 1.760 | 2.638 | 1.308 | 1.070 | 1.000 | 1.060 | 1.000 | 1.000 | | | | | | | | |
| 2013 | 1.696 | 2.123 | 1.524 | 1.000 | 1.007 | 1.004 | 1.006 | | | | | | | | | |
| 2014 | 2.327 | 3.189 | 1.055 | 1.343 | 1.001 | 1.061 | | | | | | | | | | |
| 2015 | 1.628 | 1.669 | 3.958 | 1.078 | 1.019 | | | | | | | | | | | |
| 2016 2017 | 1.840 1.940 | 1.221 | 1.191 1.137 | 1.016 | | | | | | | | | | | | |
| | | 1.454 | 1.137 | | | | | | | | | | | | | |
| 2018 2019 | 1.865 3.088 | 3.886 | | | | | | | | | | | | | | |
| 2017 | 0.000 | | | | | | | | | | | | | | | |
| vg All | 2.018 | 2.225 | 1.988 | 1.066 | 1.007 | 1.013 | 1.001 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| vg 5 | 2.072 | 2.284 | 1.773 | 1.101 | 1.005 | 1.021 | 1.001 | 1.003 | 1.000 | 1.000 | 1.000 | | | | | |
| Yr Avg Ex Hi/Lo | 1.882 | 2.104 | 1.284 | 1.055 | 1.003 | 1.020 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | | | | | |
| td Avg All | 2.012 | 2.231 | 1.820 | 1.076 | 1.008 | 1.016 | 1.001 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| td Avg 5 | 2.051 | 2.370 | 1.709 | 1.123 | 1.008 | 1.023 | 1.001 | 1.005 | 1.000 | 1.000 | 1.000 | | | | | |
| td Avg 3 | 2.313 | 2.274 | 2.427 | 1.160 | 1.011 | 1.048 | 1.002 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| dustry | 3.415 | 1.592 | 1.318 | 1.158 | 1.068 | 1.030 | 1.013 | 1.007 | 1.005 | 1.004 | 1.003 | 1.002 | 1.002 | 1.007 | | |
| ast | 2.580 | 2.025 | 1.304 | 1.117 | 1.037 | 1.018 | 1.007 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| I LDF | 2.714 | 2.370 | 1.318 | 1.117 | 1.038 | 1.023 | 1.007 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | 10.180 | 2.370 | 1.318 | 1.117 | 1.038 | 1.023 | 1.007 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| DF | 10.180 | 3.751 | 1.583 | 1.201 | 1.075 | 1.035 | 1.012 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Incurred Loss & ALAE Development Method

| Accident Period Ending 7/1/xxxx | Historical Retention | Limited at Historical Retention Incurred Loss & ALAE | EY Factor to Ultimate | Limited Ultimate @ Retention |
|---------------------------------------|-------------------------|--|-----------------------------|------------------------------------|
| //1/**** | (1) | (2) | (3) | (4) |
| 2005 | 1,000,000 | 909,673 | 1.000 | 909,673 |
| 2006 | 1,000,000 | 727,033 | 1.000 | 727,033 |
| 2007 | 1,000,000 | 1,578,290 | 1.000 | 1,578,290 |
| 2008 | 1,000,000 | 776,096 | 1.000 | 776,096 |
| 2009 | 2,000,000 | 1,248,331 | 1.000 | 1,248,331 |
| 2010 | 2,000,000 | 2,632,202 | 1.000 | 2,632,202 |
| 2011 | 2,000,000 | 921,060 | 1.000 | 921,060 |
| 2012 | 2,000,000 | 1,258,538 | 1.000 | 1,258,538 |
| 2013 | 2,000,000 | 1,140,283 | 1.003 | 1,143,514 |
| 2014 | 2,000,000 | 2,257,887 | 1.007 | 2,273,851 |
| 2015 | 2,000,000 | 3,188,573 | 1.016 | 3,238,618 |
| 2016 | 2,000,000 | 957,996 | 1.037 | 993,195 |
| 2017 | 2,000,000 | 554,675 | 1.093 | 606,193 |
| 2018 | 2,000,000 | 1,719,799 | 1.224 | 2,104,760 |
| 2019 | 2,000,000 | 1,936,589 | 1.464 | 2,835,123 |
| 2020 | 2,000,000 | 504,109 | 2.699 | 1,360,367 |

Total

22,311,135

24,606,844

Notes:

(1) Provided by Company

(2) Exhibit Auto-9

(3) Exhibit Auto-9, adjusted for retention

(4) = (2) x (3)

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Incurred Loss & ALAE

| | | | | | | | Incu | red Loss & ALAI | E | | | | | | | |
|---------------------------|----------------|----------------|-----------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|-----------|-----------|-----------|---------|---------|
| Accident Period Ending | | | | | | | | Months of Dev | | | | | | | | |
| 7/1/xxxx | 9 | 21 | 33 | 45 | 57 | 69 | 81 | 93 | 105 | 117 | 129 | 141 | 153 | 165 | 177 | 189 |
| 2005 | | | | | | | | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 | 909,673 |
| 2006 | | | | | | | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | 727,033 | |
| 2007 | | | | | | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | 1,578,290 | | |
| 2008 | | | | | 794,546 | 774,546 | 775,046 | 775,046 | 775,046 | 776,096 | 776,096 | 776,096 | 776,096 | | | |
| 2009 | | | | 1,542,998 | 1,506,369 | 1,423,874 | 1,246,459 | 1,246,459 | 1,248,331 | 1,248,331 | 1,248,331 | 1,248,331 | | | | |
| 2010 | | | 3,090,754 | 2,831,842 | 2,747,356 | 2,733,958 | 2,721,504 | 2,721,504 | 2,652,820 | 2,652,820 | 2,652,820 | | | | | |
| 2011 | | 1,332,702 | 985,263 | 985,438 | 935,438 | 934,543 | 921,060 | 921,060 | 921,060 | 921,060 | | | | | | |
| 2012 | 951,619 | 1,084,079 | 1,388,640 | 1,410,240 | 1,436,515 | 1,436,515 | 1,258,538 | 1,258,538 | 1,258,538 | | | | | | | |
| 2013 | 638,487 | 1,256,618 | 1,491,049 | 1,220,150 | 1,154,226 | 1,135,283 | 1,137,783 | 1,140,283 | | | | | | | | |
| 2014 | 1,156,800 | 1,298,188 | 2,350,734 | 2,437,716 | 2,285,483 | 2,260,483 | 2,257,887 | | | | | | | | | |
| 2015 | 921,324 | 1,853,078 | 2,880,022 | 3,157,773 | 3,208,925 | 3,189,008 | | | | | | | | | | |
| 2016 | 484,761 | 537,184 | 531,350 | 974,283 | 957,996 | | | | | | | | | | | |
| 2017 | 368,249 | 670,920 | 651,542 | 554,675 | | | | | | | | | | | | |
| 2018 | 1,002,068 | 2,203,842 | 1,719,799 | | | | | | | | | | | | | |
| 2019 | 1,792,675 | 1,936,589 | -111. 11 | | | | | | | | | | | | | |
| 2020 | 504,109 | 1,,00,00, | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Period Ending | | | | | | | | Developmen | t Factors | | | | | | | |
| 7/1/xxxx | 9-21 | 21-33 | 33-45 | 45-57 | 57-69 | 69-81 | 81-93 | 93-105 | 105-117 | 117-129 | 129-141 | 141-153 | 153-165 | 165-177 | 177-189 | 189-201 |
| = | | | | | | | | | | | | | | | | |
| 2005 | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 2006 | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 2007 | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 2008 | | | | | 0.975 | 1.001 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | | | | |
| 2009 | | | | 0.976 | 0.945 | 0.875 | 1.000 | 1.002 | 1.000 | 1.000 | 1.000 | | | | | |
| 2010 | | | 0.916 | 0.970 | 0.995 | 0.995 | 1.000 | 0.975 | 1.000 | 1.000 | | | | | | |
| 2011 | | 0.739 | 1.000 | 0.949 | 0.999 | 0.986 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2012 | 1.139 | 1.281 | 1.016 | 1.019 | 1.000 | 0.876 | 1.000 | 1.000 | | | | | | | | |
| 2013 | 1.968 | 1.187 | 0.818 | 0.946 | 0.984 | 1.002 | 1.002 | | | | | | | | | |
| 2014 | 1.122 | 1.811 | 1.037 | 0.938 | 0.989 | 0.999 | | | | | | | | | | |
| 2015 | 2.011 | 1.554 | 1.096 | 1.016 | 0.994 | | | | | | | | | | | |
| 2016 | 1.108 | 0.989 | 1.834 | 0.983 | | | | | | | | | | | | |
| 2017 | 1.822 | 0.971 | 0.851 | | | | | | | | | | | | | |
| 2018 | 2.199 | 0.780 | | | | | | | | | | | | | | |
| 2019 | 1.080 | | | | | | | | | | | | | | | |
| Avg All | 1.556 | 1.164 | 1.071 | 0.975 | 0.985 | 0.967 | 1.000 | 0.997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Avg All Avg 5 | 1.556 | 1.164 | 1.127 | 0.980 | 0.985 | 0.967 | 1.000 | 0.997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| | | | | | | | | | | | | | | | | |
| 5 Yr Avg Ex Hi/Lo | 1.647 | 1.171 | 0.995 | 0.982 | 0.994 | 0.993 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1 000 | 1 000 | 1.000 | 1.000 | |
| Wtd Avg All | 1.482 | 1.172 | 1.015 | 0.977 | 0.987 | 0.969 | 1.000 | 0.993 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Wtd Avg 5 | 1.576 1.521 | 1.239 0.851 | 1.056 | 0.983 0.982 | 0.993 0.990 | 0.976 0.963 | 1.000 1.001 | 0.990 0.986 | 1.000 1.000 | 1.000 1.000 | 1.000 1.000 | 1.000 | 1.000 | | | |
| Wtd Avg 3 | | | 1.154 | | | | | | | | | | | 1.000 | | |
| Industry | 2.039 | 1.221 | 1.120 | 1.054 | 1.021 | 1.009 | 1.004 | 1.003 | 1.002 | 1.001 | 1.001 | 1.001 | 1.001 | 1.002 | 1.000 | 1 000 |
| Last | 1.766 | 1.243 | 1.116 | 1.054 | 1.021 | 1.008 | 1.003 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Sel LDF | 1.843 | 1.196 | 1.120 | 1.054 | 1.021 | 1.009 | 1.004 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CDF | 2.699 | 1.464 | 1.224 | 1.093 | 1.021 | 1.016 | 1.004 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CDI | 2.099 | 1.404 | 1.224 | 1.093 | 1.037 | 1.010 | 1.007 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Incurred IBNR to Case Development Method for Loss & ALAE

| Accident Period Ending 7/1/xxxx | Limited Incurred @ Retention | Limited Paid @ Retention | Outstanding @ Retention | Incurred CDF | Paid CDF | IBNR Factor | IBNR | Limited Ultimate @ Retention |
|---------------------------------------|------------------------------------|--------------------------------|----------------------------|-----------------|-------------|----------------|-----------|------------------------------------|
| // 1/ XXXX | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 2005 | 909,673 | 909,673 | 0 | 1.000 | 1.000 | 0.000 | 0 | 909,673 |
| 2006 | 727,033 | 727,033 | 0 | 1.000 | 1.000 | 0.000 | 0 | 727,033 |
| 2007 | 1,578,290 | 1,578,290 | 0 | 1.000 | 1.000 | 0.000 | 0 | 1,578,290 |
| 2008 | 776,096 | 776,096 | 0 | 1.000 | 1.000 | 0.000 | 0 | 776,096 |
| 2009 | 1,248,331 | 1,248,331 | 0 | 1.000 | 1.000 | 0.000 | 0 | 1,248,331 |
| 2010 | 2,632,202 | 2,632,202 | 0 | 1.000 | 1.000 | 0.000 | 0 | 2,632,202 |
| 2011 | 921,060 | 921,060 | 0 | 1.000 | 1.000 | 0.000 | 0 | 921,060 |
| 2012 | 1,258,538 | 1,258,538 | 0 | 1.000 | 1.000 | 0.000 | 0 | 1,258,538 |
| 2013 | 1,140,283 | 939,799 | 200,485 | 1.003 | 1.005 | 1.227 | 246,014 | 1,386,297 |
| 2014 | 2,257,887 | 2,209,137 | 48,750 | 1.007 | 1.012 | 1.407 | 68,610 | 2,326,497 |
| 2015 | 3,188,573 | 2,936,449 | 252,125 | 1.016 | 1.035 | 0.834 | 210,281 | 3,398,854 |
| 2016 | 957,996 | 447,846 | 510,150 | 1.037 | 1.075 | 1.036 | 528,749 | 1,486,744 |
| 2017 | 554,675 | 508,609 | 46,067 | 1.093 | 1.201 | 1.034 | 47,638 | 602,313 |
| 2018 | 1,719,799 | 1,377,956 | 341,843 | 1.224 | 1.583 | 0.987 | 337,542 | 2,057,341 |
| 2019 | 1,936,589 | 574,121 | 1,362,468 | 1.464 | 3.751 | 0.761 | 1,036,759 | 2,973,349 |
| 2020 | 504,109 | 174,880 | 329,230 | 2.699 | 10.180 | 2.311 | 760,930 | 1,265,040 |
| Total | 22,311,135 | 19,220,018 | 3,091,117 | | | | 3,236,523 | 25,547,658 |

Notes:

(1) Exhibit Auto-8

- (2) Exhibit Auto-6
- (3) = (1) (2)

(4) Exhibit Auto-8

(5) Exhibit Auto-6
(6) = (1 - 1 / (4)) / (1 / (4) - 1 / (5))
(7) = (3) x (6)
(8) = (1) + (7)

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Bornhuetter-Ferguson Method Using Paid Loss & ALAE

| Accident Period Ending 7/1/xxxx | Exposure (Vehicle Count) (1) | Selected A Priori Loss & ALAE Rate (2) | Expected Loss & ALAE (3) | Paid Factor to Ultimate (4) | Unpaid Percent (5) | Expected Unpaid Loss & ALAE (6) | Limited Paid Loss & ALAE (7) | Limited Ultimate Loss & ALAE (8) | Ultimate Loss & ALAE Rate (9) |
|---------------------------------------|------------------------------------|--|--------------------------------|--------------------------------------|--------------------------|--|---------------------------------------|---|--|
| | | | | | | | | | |
| 2005 | 15,996 | 67.4 | 1,077,928 | 1.000 | 0.0% | 0 | 909,673 | 909,673 | 56.9 |
| 2006 | 15,921 | 69.4 | 1,105,061 | 1.000 | 0.0% | 0 | 727,033 | 727,033 | 45.7 |
| 2007 | 15,952 | 71.5 | 1,140,429 | 1.000 | 0.0% | 0 | 1,578,290 | 1,578,290 | 98.9 |
| 2008 | 16,656 | 73.6 | 1,226,481 | 1.000 | 0.0% | 0 | 776,096 | 776,096 | 46.6 |
| 2009 | 16,732 | 86.1 | 1,441,237 | 1.000 | 0.0% | 0 | 1,248,331 | 1,248,331 | 74.6 |
| 2010 | 16,381 | 88.7 | 1,453,333 | 1.000 | 0.0% | 0 | 2,632,202 | 2,632,202 | 160.7 |
| 2011 | 16,449 | 91.4 | 1,503,101 | 1.000 | 0.0% | 0 | 921,060 | 921,060 | 56.0 |
| 2012 | 16,516 | 94.1 | 1,554,547 | 1.000 | 0.0% | 0 | 1,258,538 | 1,258,538 | 76.2 |
| 2013 | 16,383 | 96.9 | 1,588,290 | 1.005 | 0.5% | 8,144 | 939,799 | 947,942 | 57.9 |
| 2014 | 16,396 | 99.9 | 1,637,237 | 1.012 | 1.2% | 19,663 | 2,209,137 | 2,228,799 | 135.9 |
| 2015 | 16,403 | 102.9 | 1,687,074 | 1.035 | 3.4% | 57,327 | 2,936,449 | 2,993,775 | 182.5 |
| 2016 | 17,990 | 105.9 | 1,905,808 | 1.075 | 7.0% | 132,710 | 447,846 | 580,556 | 32.3 |
| 2017 | 16,939 | 109.1 | 1,848,302 | 1.201 | 16.7% | 308,978 | 508,609 | 817,586 | 48.3 |
| 2018 | 18,228 | 112.4 | 2,048,620 | 1.583 | 36.8% | 754,160 | 1,377,956 | 2,132,116 | 117.0 |
| 2019 | 18,000 | 115.8 | 2,083,686 | 3.751 | 73.3% | 1,528,228 | 574,121 | 2,102,350 | 116.8 |
| 2020 | 19,113 | 119.2 | 2,278,903 | 10.180 | 90.2% | 2,055,036 | 174,880 | 2,229,916 | 116.7 |
| 2021 | 19,113 | 122.8 | 2,347,270 | | | 2,347,270 | | 2,347,270 | 122.8 |
| Total | 289,168 | | 27,927,305 | | | 7,211,514 | 19,220,018 | 26,431,533 | |
| Total x2021 | 270,055 | | 25,580,035 | | | 4,864,245 | 19,220,018 | 24,084,263 | |
| <u>Notes:</u> | | | | | | | | | |
| (1) | Provided by Client | | (5) = | = 1 - 1 / (4) | (9) | =(8)/(1) | | | |
| (2) | EY Select | | (6) = | = (3) x (5) | | | | | |
| (3) | =(1) x (2) | | (7) E | Exhibit Auto-6 | | | | | |

(8) = (6) + (7)

(4) Exhibit Auto-6

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Bornhuetter-Ferguson Method Using Incurred Loss & ALAE

| Accident Period Ending | Exposure (Vehicle Count) | Selected A Priori Loss & ALAE Rate | Expected Loss & ALAE | Incurred Factor to Ultimate | Unreported Percent | Expected Unreported Loss & ALAE | Limited Incurred Loss & ALAE | Limited Ultimate Loss & ALAE | Ultimate Loss & ALAE Rate |
|---------------------------|-----------------------------|---|-------------------------|-----------------------------------|-----------------------|---------------------------------------|------------------------------------|------------------------------------|---------------------------------|
| 7/1/xxxx | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| 2005 | 15,996 | 67.4 | 1,077,928 | 1.000 | 0.0% | 0 | 909,673 | 909,673 | 56.9 |
| 2005 | 15,921 | 69.4 | 1,105,061 | 1.000 | 0.0% | 0 | 727,033 | 727,033 | 45.7 |
| 2000 | 15,952 | 71.5 | 1,140,429 | 1.000 | 0.0% | 0 | 1,578,290 | 1,578,290 | 98.9 |
| 2008 | 16,656 | 73.6 | 1,226,481 | 1.000 | 0.0% | 0 | 776,096 | 776,096 | 46.6 |
| 2009 | 16,732 | 86.1 | 1,441,237 | 1.000 | 0.0% | 0 | 1,248,331 | 1,248,331 | 74.6 |
| 2010 | 16,381 | 88.7 | 1,453,333 | 1.000 | 0.0% | 0 | 2,632,202 | 2,632,202 | 160.7 |
| 2011 | 16,449 | 91.4 | 1,503,101 | 1.000 | 0.0% | 0 | 921,060 | 921,060 | 56.0 |
| 2012 | 16,516 | 94.1 | 1,554,547 | 1.000 | 0.0% | 0 | 1,258,538 | 1,258,538 | 76.2 |
| 2013 | 16,383 | 96.9 | 1,588,290 | 1.003 | 0.3% | 4,487 | 1,140,283 | 1,144,770 | 69.9 |
| 2014 | 16,396 | 99.9 | 1,637,237 | 1.007 | 0.7% | 11,495 | 2,257,887 | 2,269,382 | 138.4 |
| 2015 | 16,403 | 102.9 | 1,687,074 | 1.016 | 1.5% | 26,069 | 3,188,573 | 3,214,643 | 196.0 |
| 2016 | 17,990 | 105.9 | 1,905,808 | 1.037 | 3.5% | 67,543 | 957,996 | 1,025,538 | 57.0 |
| 2017 | 16,939 | 109.1 | 1,848,302 | 1.093 | 8.5% | 157,079 | 554,675 | 711,754 | 42.0 |
| 2018 | 18,228 | 112.4 | 2,048,620 | 1.224 | 18.3% | 374,693 | 1,719,799 | 2,094,492 | 114.9 |
| 2019 | 18,000 | 115.8 | 2,083,686 | 1.464 | 31.7% | 660,381 | 1,936,589 | 2,596,971 | 144.3 |
| 2020 | 19,113 | 119.2 | 2,278,903 | 2.699 | 62.9% | 1,434,413 | 504,109 | 1,938,522 | 101.4 |
| 2021 | 19,113 | 122.8 | 2,347,270 | | | 2,347,270 | | 2,347,270 | 122.8 |
| Total | 289,168 | | 27,927,305 | | | 5,083,430 | 22,311,135 | 27,394,565 | |
| Total x2021 | 270,055 | | 25,580,035 | | | 2,736,160 | 22,311,135 | 25,047,295 | |
| Notes: | <u>-</u> | | | | | | | | |
| (1) | Provided by Client | | (5) = | = 1 - 1 / (4) | (9) | =(8)/(1) | | | |
| (2) | EY Select | | (6) = | = (3) x (5) | | | | | |
| (3) | =(1) x (2) | | (7) E | Exhibit Auto-8 | | | | | |

(8) = (6) + (7)

(4) Exhibit Auto-8

EY

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Loss & ALAE Rate Helper: Selection for Bornhuetter-Ferguson Method

| 2006 1.000,000 15,921 727,033 727,033 1256% 1.136 1.286,390 80.8 69.4 1.105,06 2007 1.000,000 15,952 1.578,290 1.578,290 151% 1.136 1.286,390 80.8 69.4 1.105,06 2008 1.000,000 16,656 776,096 776,096 147% 1.136 1.249,313 77.7 73.6 1.126,06 2009 2,000,000 16,312 1.248,331 1.248,331 1.43% 1.000 3.643,583 222.4 88.7 1.443,333 2011 2,000,000 16,549 921,060 921,060 924,060 1,328,373 1000 1,322,667 80,7 96,9 1,588,28 2013 2,000,000 16,333 94,642 | Accident Period Ending 7/1/xxxx | Retention (1) | Exposure (Vehicle Count) (2) | @ Retention Developed Paid (3) | @ Retention Developed Incurred (4) | Initial Selected Developed Ultimate (5) | 3.00% Net Trend Rate (6) | ILF to \$2M (7) | @ \$. Selected Developed Loss & ALAE (8) | 2M Developed Loss & ALAE Rate (9) | Selected Loss & ALAE Rate @ Hist Ret (10) | Expected Loss & ALAE @ Hist Ret (11) |
|---|---------------------------------------|----------------------|------------------------------------|--|---|---|-----------------------------------|-----------------------|--|---|--|---|
| 2006 1.000,000 15,921 727,033 727,033 1256% 1.136 1.286,390 80.8 69.4 1.105,06 2007 1.000,000 15,952 1.578,290 1.578,290 151% 1.136 1.286,390 80.8 69.4 1.105,06 2008 1.000,000 16,656 776,096 776,096 147% 1.136 1.249,313 77.7 73.6 1.126,06 2009 2,000,000 16,312 1.248,331 1.248,331 1.43% 1.000 3.643,583 222.4 88.7 1.443,333 2011 2,000,000 16,549 921,060 921,060 924,060 1,328,373 1000 1,322,667 80,7 96,9 1,588,28 2013 2,000,000 16,333 94,642 | | | | | | | | | | | | |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | 1,000,000 | | 909,673 | 909,673 | 909,673 | | | 1,657,834 | | 67.4 | 1,077,928 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | | | | | | | | | 1,286,390 | | | 1,105,061 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 2007 | 1,000,000 | 15,952 | 1,578,290 | 1,578,290 | 1,578,290 | 151% | 1.136 | 2,711,240 | 170.0 | 71.5 | 1,140,429 |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | 2008 | 1,000,000 | 16,656 | 776,096 | 776,096 | 776,096 | 147% | 1.136 | 1,294,373 | 77.7 | 73.6 | 1,226,481 |
| 2011 2,000,000 16,449 921,060 921,060 134% 1.000 1,237,828 75.3 91.4 1,503,102 2012 2,000,000 16,516 1,258,538 1,258,538 1,230,132 1,000 1,642,106 99.4 94.1 1,558,291 2014 2,000,000 16,336 2,235,990 2,273,851 2,254,921 123% 1,000 2,773,268 169.1 99.9 1,637,233 2015 2,000,000 16,403 3,039,739 3,238,618 3,139,178 119% 1,000 3,748,343 228.5 102.9 1,687,07 2016 2,000,000 16,939 610,698 606,193 608,445 113% 1,000 684,811 40.4 109.1 1,848,300 2018 2,000,000 18,228 2,180,761 2,104,760 2,144,720 115.8 2,034,622 2020 2,000,000 18,228 2,180,761 2,104,760 2,142,760 109% 1,000 2,646,321 147.0 115.8 2,034,622 2021 2,000,000 18,020 2,163,367 1,570,299 | 2009 | 2,000,000 | 16,732 | 1,248,331 | 1,248,331 | 1,248,331 | 143% | 1.000 | 1,779,821 | 106.4 | 86.1 | 1,441,237 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 2010 | 2,000,000 | 16,381 | 2,632,202 | 2,632,202 | 2,632,202 | 138% | 1.000 | 3,643,583 | 222.4 | 88.7 | 1,453,333 |
| 2013 2,000,000 16,383 944,642 1,143,514 1,044,078 127% 1.000 1,322,607 80.7 96.9 1,588,294 2014 2,000,000 16,396 2,235,990 2,273,851 2,254,921 123% 1.000 2,773,268 169.1 99.9 1,637,07 2016 2,000,000 17,990 481,365 993,195 737,280 116% 1.000 854,710 47.5 105.9 1,905,800 2017 2,000,000 16,939 610,698 606,193 608,445 113% 1.000 684,811 40.4 109.1 1,848,302 2018 2,000,000 18,28 2,180,761 2,104,760 2,142,760 100% 1.000 2,646,321 147.0 115.8 2,083,680 2020 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,278,900 2020 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,278,900 | 2011 | 2,000,000 | 16,449 | 921,060 | 921,060 | 921,060 | 134% | 1.000 | 1,237,828 | 75.3 | 91.4 | 1,503,101 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 2012 | 2,000,000 | 16,516 | 1,258,538 | 1,258,538 | 1,258,538 | 130% | 1.000 | 1,642,106 | 99.4 | 94.1 | 1,554,547 |
| 2015 2,000,000 16,403 3,039,739 3,238,618 3,139,178 119% 1.000 3,748,343 228.5 102.9 1,687,07- 2016 2,000,000 17,990 481,365 993,195 737,280 116% 1.000 854,710 47.5 105.9 1,905,800 2017 2,000,000 16,939 610,698 606,193 608,451 113% 1.000 854,710 47.5 105.9 1,905,800 2018 2,000,000 18,228 2,180,761 2,104,760 2,142,760 109% 1.000 2,341,452 128.5 112.4 2,048,620 2019 2,000,000 18,000 2,153,700 2,835,123 2,494,412 106% 1.000 1,617,408 84.6 119.2 2,278,900 2021 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,247,904 115.7 27,927,300 Average Last 3 Years 120.0 Average Last 3 Years x H/L 144.2 144.2 144.2 144.2 144.2 115.7 <td>2013</td> <td>2,000,000</td> <td>16,383</td> <td>944,642</td> <td>1,143,514</td> <td>1,044,078</td> <td>127%</td> <td>1.000</td> <td>1,322,607</td> <td>80.7</td> <td>96.9</td> <td>1,588,290</td> | 2013 | 2,000,000 | 16,383 | 944,642 | 1,143,514 | 1,044,078 | 127% | 1.000 | 1,322,607 | 80.7 | 96.9 | 1,588,290 |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | 2014 | 2,000,000 | 16,396 | 2,235,990 | 2,273,851 | 2,254,921 | 123% | 1.000 | 2,773,268 | 169.1 | 99.9 | 1,637,237 |
| 2017 2,000,000 16,939 610,698 606,193 608,445 113% 1.000 684,811 40.4 109.1 1,848,302 2018 2,000,000 18,228 2,180,761 2,104,760 2,142,760 109% 1.000 2,341,452 128.5 112.4 2,048,622 2019 2,000,000 18,000 2,153,700 2,835,123 2,494,412 106% 1.000 2,646,321 147.0 115.8 2,083,646 2020 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,278,902 2021 2,000,000 19,113 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,278,902 2021 2,000,000 19,113 1,360,367 1,570,299 100% 1.000 1.617,408 84.6 119.2 2,347,270 Notes: Average Last 3 Years 122.8 2,347,270 10 Provided by Client (8) = (5)*(6)*(7) Average Last 3 Years x H/L 144.2 <td< td=""><td>2015</td><td>2,000,000</td><td>16,403</td><td>3,039,739</td><td>3,238,618</td><td>3,139,178</td><td>119%</td><td>1.000</td><td>3,748,343</td><td>228.5</td><td>102.9</td><td>1,687,074</td></td<> | 2015 | 2,000,000 | 16,403 | 3,039,739 | 3,238,618 | 3,139,178 | 119% | 1.000 | 3,748,343 | 228.5 | 102.9 | 1,687,074 |
| 2018 2,000,000 18,228 2,180,761 2,104,760 2,142,760 109% 1.000 2,341,452 128.5 112.4 2,048,620 2019 2,000,000 18,000 2,153,700 2,835,123 2,494,412 106% 1.000 2,646,321 147.0 115.8 2,083,680 2020 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,789,03 2021 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,7927,303 Average Last 3 Years 120.0 Average Last 7 Years x H/L 144.2 (2) Provided by Client (8) = (5)*(6)*(7) Average Last 7 Years x last 2 72.1 (3) Exhibit Auto-6 (10) = Selected rate (6)/(7) Average Last 7 Years x last 2 72.1 (4) Exhibit Auto-6 (11) = (10)/(2) Average Last | 2016 | 2,000,000 | 17,990 | 481,365 | 993,195 | 737,280 | 116% | 1.000 | 854,710 | 47.5 | 105.9 | 1,905,808 |
| 2019 2,000,000 18,000 2,153,700 2,835,123 2,494,412 106% 1.000 2,646,321 147.0 115.8 2,083,686 2020 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,278,900 2021 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,278,900 2021 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,789,900 2021 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,789,900 2021 2,000,000 19,113 1,760,230 1,617,408 84.6 119.2 2,787,900 2021 2,000,000 19,113 1,760,230 1,617,408 84.6 119.2 2,747,270 1008 1018 6,59*(6)*(7) Average Last 7 Years X H/L 144.2 2.1 | 2017 | 2,000,000 | 16,939 | 610,698 | 606,193 | 608,445 | 113% | 1.000 | 684,811 | 40.4 | 109.1 | 1,848,302 |
| 2020 2,000,000 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,278,903 2021 2,000,000 19,113 19,113 1,780,230 1,360,367 1,570,299 103% 1.000 1,617,408 84.6 119.2 2,278,903 2021 2,000,000 19,113 289,168 23,478,348 24,606,844 24,042,596 31,242,094 115.7 27,927,305 Average Last 3 Years 122.8 27,927,305 Motes: (1) Provided by Client (8) = (5)*(6)*(7) Average Last 7 Years x H/L 144.2 (2) Provided by Client (9) = (8)/(2) Average Last 7 Years x last 2 72.1 (3) Exhibit Auto-6 (10) = Selected rate /(6)/(7) Average Last 5 Years x last 2 113.5 (4) Exhibit Auto-8 (11) = (10)/(2) Average Last 5 Years x last 2 122.8 (5) EY Select based on weighted average of (3)&(4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (7) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 <td>2018</td> <td>2,000,000</td> <td>18,228</td> <td>2,180,761</td> <td>2,104,760</td> <td>2,142,760</td> <td>109%</td> <td>1.000</td> <td>2,341,452</td> <td>128.5</td> <td>112.4</td> <td>2,048,620</td> | 2018 | 2,000,000 | 18,228 | 2,180,761 | 2,104,760 | 2,142,760 | 109% | 1.000 | 2,341,452 | 128.5 | 112.4 | 2,048,620 |
| 2021 2,000,000 19,113 100% 1.000 122.8 2,347,270 Total 289,168 23,478,348 24,606,844 24,042,596 31,242,094 115.7 27,927,309 Motes: Average Last 3 Years 120.0 (1) Provided by Client (8) = (5)*(6)*(7) Average Last 7 Years x H/L 144.2 (2) Provided by Client (9) = (8)/(2) Average Last 7 Years x last 2 72.1 (3) Exhibit Auto-6 (10) = Selected rate /(6)/(7) Average Last 7 Years x last 2 113.5 (4) Exhibit Auto-8 (11) = (10)/(2) Average Last 5 Years x last 2 122.8 (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (16) EY Select (17) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 | 2019 | 2,000,000 | 18,000 | 2,153,700 | 2,835,123 | 2,494,412 | 106% | 1.000 | 2,646,321 | 147.0 | 115.8 | 2,083,686 |
| Total 289,168 23,478,348 24,606,844 24,042,596 31,242,094 115.7 27,927,305 Notes: Average Last 3 Years 120.0 (1) Provided by Client (8) = (5)*(6)*(7) Average Last 5 Years 89.6 (1) Provided by Client (9) = (8)/(2) Average Last 7 Years x H/L 144.2 (2) Provided by Client (9) = (8)/(2) Average Last 7 Years x last 2 72.1 (3) Exhibit Auto-6 (10) = Selected rate /(6)/(7) Average Last 7 Years x last 2 113.5 (4) Exhibit Auto-8 (11) = (10)/(2) Average Last 5 Years x last 2 122.8 (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year (6) EY Select (13) Exhibit Auto-14 (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (2) Mot \$5M ILF (13) 1.169 1.169 1.169 | 2020 | 2,000,000 | 19,113 | 1,780,230 | 1,360,367 | 1,570,299 | 103% | 1.000 | 1,617,408 | 84.6 | 119.2 | 2,278,903 |
| Notes: Average Last 3 Years 120.0 (1) Provided by Client (8) = (5)*(6)*(7) Average Last 5 Years x H/L 144.2 (2) Provided by Client (9) = (8)/(2) Average Last 3 Years x last 2 72.1 (3) Exhibit Auto-6 (10) = Selected rate /(6)/(7) Average Last 7 Years x last 2 113.5 (4) Exhibit Auto-8 (11) = (10)/(2) Average Last 5 Years x last 2 122.8 (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 12.28 Ult @ \$2M 2,347,270 (11) F(13) 1.169 1.169 1.169 1.169 | 2021 | 2,000,000 | 19,113 | | | | 100% | 1.000 | | | 122.8 | 2,347,270 |
| Notes: Average Last 5 Years 89.6 (1) Provided by Client (8) = (5)*(6)*(7) Average Last 7 Years x H/L 144.2 (2) Provided by Client (9) = (8)/(2) Average Last 3 Years x last 2 72.1 (3) Exhibit Auto-6 (10) = Selected rate /(6)/(7) Average Last 7 Years x last 2 113.5 (4) Exhibit Auto-8 (11) = (10)/(2) Average Last 5 Years x last 2 122.8 (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (5) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (5) EY Select (15) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (6) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 | Total | | 289,168 | 23,478,348 | 24,606,844 | 24,042,596 | | | 31,242,094 | 115.7 | | 27,927,305 |
| (1) Provided by Client (8) = (5)*(6)*(7) Average Last 7 Years x H/L 144.2 (2) Provided by Client (9) = (8)/(2) Average Last 3 Years x last 2 72.1 (3) Exhibit Auto-6 (10) = Selected rate /(6)/(7) Average Last 7 Years x last 2 113.5 (4) Exhibit Auto-8 (11) = (10)/(2) Average Last 5 Years x last 2 122.8 (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (5) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (5) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (5) EY Select (15) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (6) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (5) EY Select (14) EY Select Selected Average @ \$ | | | | | | | | Aver | age Last 3 Years | 120.0 | | |
| (2) Provided by Client (9) = (8)/(2) Average Last 3 Years x last 2 72.1 (3) Exhibit Auto-6 (10) = Selected rate / (6)/(7) Average Last 7 Years x last 2 113.5 (4) Exhibit Auto-8 (11) = (10)/(2) Average Last 5 Years x last 2 122.8 (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 | Notes: | | | | | | | Aver | age Last 5 Years | 89.6 | | |
| (3) Exhibit Auto-6 (10) = Selected rate / (6) / (7) Average Last 7 Years x last 2 113.5 (4) Exhibit Auto-8 (11) = (10) / (2) Average Last 5 Years x last 2 122.8 (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (5) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 | (1) P | rovided by Client | | | (8) = | (5)*(6)*(7) | | Average L | ast 7 Years x H/L | 144.2 | | |
| (4) Exhibit Auto-8 (11) = (10)/(2) Average Last 5 Years x last 2 122.8 (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (52M to \$5M ILF (13) 1.169 1.169 1.169 | (2) P | rovided by Client | | | (9) = | (8)/(2) | | Average Las | t 3 Years x last 2 | 72.1 | | |
| (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (13) Exhibit Auto-14 124.2 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 \$2M to \$5M ILF (13) 1.169 1.169 1.169 | (3) E | xhibit Auto-6 | | | (10) = | Selected rate / (6) | /(7) | Average Las | t 7 Years x last 2 | 113.5 | | |
| (5) EY Select based on weighted average of (3) & (4) (12) EY Select Prior Selection Trended 1 Year 134.2 (6) EY Select (13) Exhibit Auto-14 (13) Exhibit Auto-14 122.8 Ult @ \$2M 2,347,270 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 (20) Select (14) EY Select Selected Average @ \$2M Limit (12) 1.169 1.169 | (4) E | xhibit Auto-8 | | | (11) = | (10)/(2) | | Average Las | t 5 Years x last 2 | 122.8 | | |
| (6) EY Select (13) Exhibit Auto-14 (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 \$2M to \$5M ILF (13) 1.169 | (5) E | Y Select based on we | eighted average of (3) & (| 4) | | | | Prior Selectio | n Trended 1 Year | 134.2 | | |
| (7) EY Select (14) EY Select Selected Average @ \$2M Limit (12) 122.8 Ult @ \$2M 2,347,270 \$2M to \$5M ILF (13) 1.169 1.169 1.169 | | | | | | | | | | | | |
| \$2M to \$5M ILF (13) 1.169 1.169 | | | | | | Seleo | cted Average | @ \$2M Limit (12) | 122.8 | Ult @ \$2M | 2,347,270 | |
| | | | | | | | | - | | 1.169 | | 1.169 |
| | | | | | | | Seleo | ted Average | @ \$5M Limit (14) | 143.6 | Ult @ \$5M | 2,744,065 |

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Increased Limits Factors

| | Increased Limits Factors | | | | | | | | | | | | | |
|-------|--------------------------|-------------|----------------------------|----------------------------|--|---------------------------------------|-------------------------------|------------------------------|--|--|--|--|--|--|
| Limit | Benchmark 1 | Benchmark 2 | Empirical Data Ultimate | Empirical Data Incurred | Prior EY Selection with \$250K Base | Prior EY Selection Rebased to \$2M | EY Select with \$250K base | EY Select Rebased to \$2M | | | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | | | | | | |
| 250K | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.646 | 1.000 | 0.661 | | | | | | |
| 1M | 1.398 | 1.301 | 1.387 | 1.342 | 1.361 | 0.880 | 1.331 | 0.881 | | | | | | |
| 2M | 1.603 | 1.476 | 1.554 | 1.500 | 1.547 | 1.000 | 1.512 | 1.000 | | | | | | |
| 5M | 1.888 | 1.730 | 1.571 | 1.502 | 1.805 | 1.166 | 1.767 | 1.169 | | | | | | |

Notes:

(1) Proprietary internal client data

(2) From public rate filings information for top CAL writer in Ohio

(3) Based on data provided by client as of 3/31/2019

(4) Based on data provided by client as of 3/31/2019

(5) Prior EY Analysis
(6) Prior EY Analysis
(7) EY Select
(8) = (7)/(7) at \$2M

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Summary of Ultimate Number of Claims and Claims Outstanding

| Accident Period | Closed w/Pay Dev Dev Ultimate (1) | Non-Zero Rptd Dev Ultimate (2) | Selected Ultimate (3) | Non-Zero Reported Claims (4) | Closed w/Pay Claims (5) | Outstanding Claims (6) | IBNR Claims (7) | Outstanding + IBNR (8) |
|--------------------|---|--------------------------------------|-----------------------------|------------------------------------|-------------------------------|------------------------------|-----------------------|------------------------------|
| | | | | | | | | |
| 2005 | 536 | 536 | 536 | 536 | 536 | 0 | 0 | 0 |
| 2006 | 429 | 429 | 429 | 429 | 429 | 0 | 0 | 0 |
| 2007 | 528 | 528 | 528 | 528 | 528 | 0 | 0 | 0 |
| 2008 | 543 | 543 | 543 | 543 | 543 | 0 | 0 | 0 |
| 2009 | 520 | 520 | 520 | 520 | 520 | 0 | 0 | 0 |
| 2010 | 533 | 533 | 533 | 533 | 533 | 0 | 0 | 0 |
| 2011 | 542 | 542 | 542 | 542 | 542 | 0 | 0 | 0 |
| 2012 | 355 | 355 | 355 | 355 | 355 | 0 | 0 | 0 |
| 2013 | 420 | 421 | 421 | 421 | 420 | 1 | 0 | 1 |
| 2014 | 593 | 594 | 594 | 594 | 593 | 1 | 0 | 1 |
| 2015 | 487 | 488 | 488 | 488 | 486 | 2 | 0 | 2 |
| 2016 | 335 | 336 | 336 | 336 | 334 | 2 | 0 | 2 |
| 2017 | 300 | 300 | 300 | 300 | 297 | 3 | 0 | 3 |
| 2018 | 408 | 407 | 407 | 407 | 396 | 11 | 0 | 11 |
| 2019 | 386 | 386 | 386 | 385 | 359 | 26 | 1 | 27 |
| 2020 @ 9mo | 219 | 235 | 246 | 269 | 153 | 116 | -23 | 93 |
| Total | 7,135 | 7,154 | 7,165 | 7,186 | 7,024 | 162 | -21 | 141 |

Notes:

| (1) Exhibit Auto-16; latest year is a partial year estimate | (5) Exhibit Auto-18 |
|---|---------------------|
| (2) Exhibit Auto-16; latest year is a partial year estimate | (6) = (4) - (5) |
| (3) Exhibit Auto-16; latest year is a partial year estimate | (7) = (3) - (4) |
| (4) Exhibit Auto-17 | (8) = (6) + (7) |

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Estimates of Ultimate Number of Claims

| Accident Period Ending 7/1/xxxx | Non-Zero Reported Claims (1) | Factor to Ultimate (2) | Ultimate Reported Count (3) | Closed Claims (4) | Factor to Ultimate (5) | Ultimate Closed Count (6) | Prior Selected Ultimate (7) | EY Selected Ultimate (8) | Change in Ultimate (9) | Exposure (Vehicle Count) (10) | Selected Ultimate Frequency (11) | Adjusted Exposure (Vehicle Count) (12) | Selected Ultimate Frequency (13) |
|---------------------------------------|---------------------------------------|------------------------------|--------------------------------------|-------------------------|------------------------------|------------------------------------|--------------------------------------|-----------------------------------|------------------------------|-------------------------------------|---|---|---|
| 2005 | 536 | 1 000 | 536 | 536 | 1 000 | 536 | 536 | 536 | 0 | 15.000 | 0.024 | 14.020 | 0.038 |
| 2005 | 536 429 | 1.000 1.000 | 536 429 | 536 429 | 1.000 1.000 | 429 | 536 429 | 536 429 | 0 | 15,996 15,921 | 0.034 0.027 | 14,038 14,040 | 0.038 |
| 2008 | 429 528 | 1.000 | 429 528 | 528 | 1.000 | 429 528 | 429 528 | 429 528 | 0 | 15,921 | 0.027 | | 0.031 |
| 2007 | 543 | 1.000 | 528 | 543 | 1.000 | 543 | 543 | 543 | 0 | 16,656 | 0.033 | | 0.038 |
| 2008 | 520 | 1.000 | 543 | 520 | 1.000 | 543 | 520 | 520 | 0 | 16,732 | 0.033 | 17,345 | 0.033 |
| 2010 | 533 | 1.000 | 533 | 533 | 1.000 | 533 | 533 | 533 | 0 | 16,381 | 0.031 | | 0.033 |
| 2010 | 542 | 1.000 | 542 | 542 | 1.000 | 542 | 542 | 542 | 0 | 16,449 | 0.033 | | 0.033 |
| 2012 | 355 | 1.000 | 355 | 355 | 1.000 | 355 | 355 | 355 | 0 | 16,516 | 0.033 | 16,525 | 0.021 |
| 2012 | 421 | 1.000 | 421 | 420 | 1.000 | 420 | 421 | 421 | 0 | 16,383 | 0.021 | | 0.021 |
| 2013 | 594 | 1.000 | 594 | 593 | 1.000 | 593 | 594 | 594 | 0 | 16,396 | 0.020 | | 0.020 |
| 2015 | 488 | 1.000 | 488 | 486 | 1.001 | 487 | 488 | 488 | 0 | 16,403 | 0.030 | | 0.030 |
| 2015 | 336 | 1.000 | 336 | 334 | 1.002 | 335 | 336 | 336 | 0 | 17,990 | 0.030 | | 0.021 |
| 2017 | 300 | 1.000 | 300 | 297 | 1.011 | 300 | 299 | 300 | 1 | 16,939 | 0.019 | | 0.018 |
| 2018 | 407 | 1.001 | 407 | 396 | 1.029 | 408 | 408 | 407 | (1) | - | 0.010 | - | 0.023 |
| 2019 | 385 | 1.001 | 386 | 359 | 1.076 | 386 | 408 | 386 | (42) | | 0.022 | 17,949 | 0.023 |
| 2019 | 269 | | 313 | 153 | | | 420 | 328 | (42) | 19,113 | 0.021 | | |
| 2020 | 269 | 1.165 | 313 | 153 | 1.906 | 292 | | 320 | | 19,113 | 0.017 | 23,536 | 0.014 |
| Total | 7,186 | | 7,232 | 7,024 | | 7,208 | 6,961 | 7,247 | (42) | 270,055 | 0.027 | 266,875 | 0.027 |

| Not | tes: |
|-----|------|
| | |

(1) Exhibit Auto-17
 (2) Exhibit Auto-17
 (3) = (1) x (2)
 (4) Exhibit Auto-18
 (5) Exhibit Auto-18

(6) = (4) x (5)
(7) Prior Analysis Selected
(8) EY Select
(9) = (8) - (7)
(10) Provided by Company

(11) = (8)/(10) (12) = (10) x Relativity (13) = (8)/(12)

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Non-Zero Claims Reported

| Accident | | | | | | | NUII-Ze | no cialitis Repor | leu | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|-------|---------|-------------------|-----------|---------|---------|---------|---------|---------|---------|---------|
| Period Ending | | | | | | | | Months of De | velopment | | | | | | | |
| 7/1/xxxx | 9 | 21 | 33 | 45 | 57 | 69 | 81 | 93 | 105 | 117 | 129 | 141 | 153 | 165 | 177 | 189 |
| 2005 | | | | | | | | 536 | 536 | 536 | 536 | 536 | 536 | 536 | 536 | 536 |
| 2006 | | | | | | | 429 | 429 | 429 | 429 | 429 | 429 | 429 | 429 | 429 | |
| 2007 | | | | | | 528 | 528 | 528 | 528 | 528 | 528 | 528 | 528 | 528 | | |
| 2008 | | | | | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | | | |
| 2009 | | | | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | | | | |
| 2010 | | | 533 | 533 | 533 | 533 | 533 | 533 | 533 | 533 | 533 | | | | | |
| 2011 | | 542 | 543 | 543 | 543 | 543 | 542 | 542 | 542 | 542 | | | | | | |
| 2012 | 242 | 351 | 355 | 355 | 355 | 355 | 355 | 355 | 355 | | | | | | | |
| 2013 | 302 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | | | | | | | | |
| 2014 | 500 | 593 | 596 | 595 | 593 | 594 | 594 | | | | | | | | | |
| 2015 | 455 | 491 | 491 | 488 | 488 | 488 | | | | | | | | | | |
| 2016 | 290 | 334 | 334 | 336 | 336 | | | | | | | | | | | |
| 2017 | 244 | 300 | 299 | 300 | | | | | | | | | | | | |
| 2018 | 409 | 407 | 407 | | | | | | | | | | | | | |
| 2019 | 353 | 385 | | | | | | | | | | | | | | |
| 2020 | 269 | | | | | | | | | | | | | | | |
| Period Ending | | | | | | | | Developmen | t Factors | | | | | | | |
| Period | 9-21 | 21-33 | 33-45 | 45-57 | 57-69 | 69-81 | 81-93 | 93-105 | 105-117 | 117-129 | 129-141 | 141-153 | 153-165 | 165-177 | 177-189 | 189-201 |
| 2005 | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 2006 | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 2007 | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 2008 | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| 2009 | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 2010 | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | |
| 2011 | | 1.002 | 1.000 | 1.000 | 1.000 | 0.998 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2012 | 1.450 | 1.011 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| 2013 | 1.394 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| 2014 | 1.186 | 1.005 | 0.998 | 0.997 | 1.002 | 1.000 | | | | | | | | | | |
| 2015 | 1.079 | 1.000 | 0.994 | 1.000 | 1.000 | | | | | | | | | | | |
| 2016 | 1.152 | 1.000 | 1.006 | 1.000 | | | | | | | | | | | | |
| 2017 | 1.230 | 0.997 | 1.003 | | | | | | | | | | | | | |
| 2018 | 0.995 | 1.000 | | | | | | | | | | | | | | |
| 2019 | 1.091 | | | | | | | | | | | | | | | |
| Avg All | 1.197 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Avg 5 | 1.109 | 1.000 | 1.000 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 5 Yr Avg Ex Hi/Lo | 1.107 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| Wtd Avg All | 1.174 | 1.002 | 1.000 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Wtd Avg 5 | 1.095 | 1.001 | 1.000 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| Wtd Avg 3 | 1.085 | 0.999 | 1.000 | 0.999 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| Last | 1.208 | 1.002 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Sel LDF | 1.162 | 1.002 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CDF | 1.165 | 1.003 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| | | | | | | | | | | | | | | | | |

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Claims Closed w/ Pay

| Accident | | | | | | | | Months of De | velopment | | | | | | | |
|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------|
| Period | 9 | 21 | 33 | 45 | 57 | 69 | 81 | 93 | 105 | 117 | 129 | 141 | 153 | 165 | 177 | 189 |
| Period 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2015 2016 2017 2018 2019 2020 | 9 145 222 206 153 | 21 309 276 380 359 | 479 323 290 396 | 45 586 483 332 297 | 57 419 591 485 334 | 354 420 592 486 | 81 542 355 420 593 | 532 542 355 420 | 105 520 533 542 355 | 117 543 520 533 542 | 129 528 543 520 533 | 141 429 528 543 520 | 153 536 429 528 543 | 165 536 429 528 | 177 536 429 | <u>189</u> 536 |
| Accident Period | 9-21 | 21-33 | 33-45 | 45-57 | 57-69 | 69-81 | 81-93 | Developmen 93-105 | t Factors 105-117 | 117-129 | 129-141 | 141-153 | 153-165 | 165-177 | 177-189 | 189-201 |
| 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 | 1.903 1.712 1.743 | 1.045 1.051 1.042 | 1.008 1.028 1.024 | 1.009 1.004 1.006 | 1.002 1.002 1.002 | 1.003 1.000 1.002 | 1.000 1.000 1.000 | 1.002 1.000 1.000 | 1.000 1.000 1.000 | 1.000 1.000 1.000 | 1.000 1.000 1.000 | 1.000 1.000 1.000 | 1.000 1.000 1.000 | 1.000 | 1.000 | |
| vg All td Avg All td Avg 3 ist | 1.786 1.771 1.771 1.787 | 1.046 1.046 1.046 1.048 | 1.020 1.018 1.018 1.016 | 1.006 1.006 1.006 1.007 | 1.002 1.002 1.002 1.002 | 1.002 1.001 1.001 1.001 | 1.000 1.000 1.000 1.000 | 1.001 1.001 1.001 1.000 | 1.000 1.000 1.000 1.000 | 1.000 |
| el LDF DF | 1.771 1.906 | 1.046 1.076 | 1.018 1.029 | 1.006 1.011 | 1.002 1.004 | 1.001 1.002 | 1.000 1.001 | 1.000 1.000 | 1.000 1.000 |

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Actual vs Expected - Incurred Loss & ALAE

| Accident Period | Exposure (Earned) (1) | Incurred @ 03/31/19 (2) | Incurred @ 03/31/20 (3) | Actual Dev't (4) | CDF @ 03/31/19 (5) | Age-age @ 03/31/19 (6) | Expected Dev't (7) | Variance (8) | Ultimate Loss & ALAE @ 03/31/19 (9) | Ultimate Loss & ALAE @ 03/31/20 (10) | Change from @ 03/31/19 (11) | Paid Loss & ALAE @ 03/31/20 (12) | Total Reserves (13) | Case Reserves (14) | IBNR Reserves (15) |
|--------------------|-----------------------------|-------------------------------|-------------------------------|------------------------|--------------------------|------------------------------|--------------------------|-----------------|--|---|--------------------------------------|---|---------------------------|--------------------------|--------------------------|
| 2005 | 15,996 | 909,673 | 909,673 | 0 | 1.000 | 1.000 | 0 | 0 | 909,673 | 909,673 | 0 | 909,673 | 0 | 0 | 0 |
| 2006 | 15,921 | 727,033 | 727,033 | 0 | 1.000 | 1.000 | 0 | 0 | 727,033 | 727,033 | 0 | 727,033 | 0 | 0 | 0 |
| 2007 | 15,952 | 1,578,290 | 1,578,290 | 0 | 1.000 | 1.000 | 0 | 0 | 1,578,290 | 1,578,290 | 0 | 1,578,290 | 0 | 0 | 0 |
| 2008 | 16,656 | 776,096 | 776,096 | 0 | 1.000 | 1.000 | 0 | 0 | 776,096 | 776,096 | 0 | 776,096 | 0 | 0 | 0 |
| 2009 | 16,732 | 1,248,331 | 1,248,331 | 0 | 1.000 | 1.000 | 0 | 0 | 1,248,331 | 1,248,331 | 0 | 1,248,331 | 0 | 0 | 0 |
| 2010 | 16,381 | 2,632,202 | 2,632,202 | 0 | 1.000 | 1.000 | 0 | 0 | 2,632,202 | 2,632,202 | 0 | 2,632,202 | 0 | 0 | 0 |
| 2011 | 16,449 | 921,060 | 921,060 | (0) | 1.000 | 1.000 | 0 | (0) | 921,060 | 921,060 | (0) | 921,060 | 0 | 0 | 0 |
| 2012 | 16,516 | 1,258,538 | 1,258,538 | 0 | 1.003 | 1.003 | 3,439 | (3,439) | 1,261,977 | 1,258,538 | (3,439) | 1,258,538 | 0 | 0 | 0 |
| 2013 | 16,383 | 1,137,783 | 1,140,283 | 2,500 | 1.006 | 1.003 | 3,818 | (1,318) | 1,144,721 | 1,143,514 | (1,207) | 939,799 | 203,715 | 200,485 | 3,230 |
| 2014 | 16,396 | 2,260,483 | 2,257,887 | (2,597) | 1.014 | 1.008 | 17,622 | (20,219) | 2,291,995 | 2,273,851 | (18,144) | 2,209,137 | 64,715 | 48,750 | 15,965 |
| 2015 | 16,403 | 3,208,490 | 3,188,573 | (19,916) | 1.035 | 1.021 | 67,133 | (87,050) | 3,321,286 | 3,238,618 | (82,668) | 2,936,449 | 302,169 | 252,125 | 50,045 |
| 2016 | 17,990 | 974,283 | 957,996 | (16,288) | 1.091 | 1.054 | 77,596 | (93,884) | 1,105,297 | 993,195 | (112,102) | 447,846 | 545,349 | 510,150 | 35,199 |
| 2017 | 16,939 | 651,542 | 554,675 | (96,866) | 1.218 | 1.116 | 276,654 | (373,520) | 1,169,382 | 711,844 | (457,538) | 508,609 | 203,236 | 46,067 | 157,169 |
| 2018 | 18,228 | 2,203,842 | 1,719,799 | (484,043) | 1.514 | 1.243 | 359,785 | (843,828) | 2,964,053 | 2,099,626 | (864,427) | 1,377,956 | 721,670 | 341,843 | 379,827 |
| 2019 | 18,000 | 1,792,675 | 1,936,589 | 143,914 | 2.674 | 1.766 | 494,484 | (350,570) | 2,873,242 | 2,676,355 | (196,887) | 574,121 | 2,102,234 | 1,362,468 | 739,766 |
| 2020 | 19,113 | | 504,109 | 504,109 | | | 877,302 | (373,192) | 2,345,669 | 2,035,653 | (310,016) | 174,880 | 1,351,860 | 329,230 | 1,022,630 |
| Total | 270,055 | | 22,311,135 | 30,813 | | | 2,177,832 | (2,147,019) | 27,270,306 | 25,223,880 | (2,046,427) | 19,220,018 | 5,494,948 | 3,091,117 | 2,403,831 |
| Total ex 2020 | 250,942 | 22,280,322 | 21,807,026 | (473,296) | | | 1,300,530 | (1,773,827) | 24,924,637 | 23,188,226 | (1,736,411) | 19,045,139 | 4,143,088 | 2,761,887 | 1,381,201 |

Notes:

(1) Provided by Client

(2) Prior Analysis

(3) Exhibit Auto-8

(4) = (3) - (2)

(5) Prior Analysis

(6) Prior Analysis

(7) = [(9) - (2)] * (1/(6) - 1/(5)) / (1 - 1/(5))

(8) = (4) - (7)

(9) Prior Analysis
(10) Exhibit Auto-5
(11) = (10) - (9)
(12) Exhibit Auto-6
(13) = (10) - (12); latest year is a partial year estimate
(14) = (3) - (12)
(15) = (13) - (14)

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Actual vs Expected - Paid Loss & ALAE

| Accident Period | Exposure (Earned) (1) | Paid @ 03/31/19 (2) | Paid @ 03/31/20 (3) | Actual Dev't (4) | CDF @ 03/31/19 (5) | Age-age @ 03/31/19 (6) | Expected Dev't (7) | Variance (8) | Ultimate Loss & ALAE @ 03/31/19 (9) | Ultimate Loss & ALAE @ 03/31/20 (10) | Change from @ 03/31/19 (11) | Incurred Loss & ALAE @ 03/31/20 (12) | Total Reserves (13) | Case Reserves (14) | IBNR Reserves (15) |
|--------------------|-----------------------------|---------------------------|---------------------------|------------------------|--------------------------|------------------------------|--------------------------|-----------------|--|---|--------------------------------------|---|---------------------------|--------------------------|--------------------------|
| 2005 | 15,996 | 909,673 | 909,673 | 0 | 1.000 | 1.000 | 0 | 0 | 909,673 | 909,673 | 0 | 909,673 | 0 | 0 | 0 |
| 2006 | 15,921 | 727,033 | 727,033 | 0 | 1.000 | 1.000 | 0 | 0 | 727,033 | 727,033 | 0 | 727,033 | 0 | 0 | 0 |
| 2007 | 15,952 | 1,578,290 | 1,578,290 | 0 | 1.000 | 1.000 | 0 | 0 | 1,578,290 | 1,578,290 | 0 | 1,578,290 | 0 | 0 | 0 |
| 2008 | 16,656 | 776,096 | 776,096 | 0 | 1.000 | 1.000 | 0 | 0 | 776,096 | 776,096 | 0 | 776,096 | 0 | 0 | 0 |
| 2009 | 16,732 | 1,248,331 | 1,248,331 | 0 | 1.000 | 1.000 | 0 | 0 | 1,248,331 | 1,248,331 | 0 | 1,248,331 | 0 | 0 | 0 |
| 2010 | 16,381 | 2,632,202 | 2,632,202 | 0 | 1.000 | 1.000 | 0 | 0 | 2,632,202 | 2,632,202 | 0 | 2,632,202 | 0 | 0 | 0 |
| 2011 | 16,449 | 921,060 | 921,060 | (0) | 1.000 | 1.000 | 0 | (0) | 921,060 | 921,060 | (0) | 921,060 | 0 | 0 | 0 |
| 2012 | 16,516 | 1,258,538 | 1,258,538 | 0 | 1.005 | 1.005 | 3,439 | (3,439) | 1,261,977 | 1,258,538 | (3,439) | 1,258,538 | 0 | 0 | 0 |
| 2013 | 16,383 | 933,875 | 939,799 | 5,923 | 1.012 | 1.007 | 115,994 | (110,071) | 1,144,721 | 1,143,514 | (1,207) | 1,140,283 | 203,715 | 200,485 | 3,230 |
| 2014 | 16,396 | 2,082,673 | 2,209,137 | 126,464 | 1.030 | 1.018 | 124,164 | 2,300 | 2,291,995 | 2,273,851 | (18,144) | 2,257,887 | 64,715 | 48,750 | 15,965 |
| 2015 | 16,403 | 2,882,988 | 2,936,449 | 53,461 | 1.068 | 1.037 | 240,020 | (186,559) | 3,321,286 | 3,238,618 | (82,668) | 3,188,573 | 302,169 | 252,125 | 50,045 |
| 2016 | 17,990 | 440,598 | 447,846 | 7,247 | 1.193 | 1.117 | 402,761 | (395,514) | 1,105,297 | 993,195 | (112,102) | 957,996 | 545,349 | 510,150 | 35,199 |
| 2017 | 16,939 | 447,365 | 508,609 | 61,244 | 1.556 | 1.304 | 394,695 | (333,451) | 1,169,382 | 711,844 | (457,538) | 554,675 | 203,236 | 46,067 | 157,169 |
| 2018 | 18,228 | 354,636 | 1,377,956 | 1,023,320 | 3.152 | 2.025 | 1,243,343 | (220,023) | 2,964,053 | 2,099,626 | (864,427) | 1,719,799 | 721,670 | 341,843 | 379,827 |
| 2019 | 18,000 | 185,895 | 574,121 | 388,226 | 8.131 | 2.580 | 595,352 | (207,126) | 2,873,242 | 2,676,355 | (196,887) | 1,936,589 | 2,102,234 | 1,362,468 | 739,766 |
| 2020 | 19,113 | | 174,880 | 174,880 | | | 288,469 | (113,589) | 2,345,669 | 2,035,653 | (310,016) | 504,109 | 1,351,860 | 329,230 | 1,022,630 |
| Total | 270,055 | | 19,220,018 | 1,840,764 | | | 3,408,236 | (1,567,472) | 27,270,306 | 25,223,880 | (2,046,427) | 22,311,135 | 5,494,948 | 3,091,117 | 2,403,831 |
| Total ex 2020 | 250,942 | 17,379,254 | 19,045,139 | 1,665,884 | | | 3,119,767 | (1,453,883) | 24,924,637 | 23,188,226 | (1,736,411) | 21,807,026 | 4,143,088 | 2,761,887 | 1,381,201 |

Notes:

(1) Provided by Client

(2) Prior Analysis

(3) Exhibit Auto-6

 $(4) = (3) \cdot (2)$

(5) Prior Analysis(6) Prior Analysis

(7) = [(9) - (2)] * (1/(6) - 1/(5)) / (1 - 1/(5))

(8) = (4) - (7)

(9) Prior Analysis
(10) Exhibit Auto-5
(11) = (10) - (9)
(12) Exhibit Auto-6
(13) = (10) - (3), latest year is a partial year estimate
(14) = (12) - (3)
(15) = (13) - (14)

State of Ohio - Office of Risk Management Auto Liability March 31, 2020 Actual vs Expected - Reported Non-Zero Counts

| Accident Period | Exposure (Vehicle Count) (1) | Non-Zero Count @ 03/13/19 (2) | Non-Zero Count @ 03/31/20 (3) | Actual Dev't (4) | CDF @ 03/13/19 (5) | Age-age @ 03/13/19 (6) | Expected Dev't (7) | Variance (8) | Prior Ultimate Non-Zero Count @ 03/13/19 (9) | EY Ultimate Non-Zero Count @ 03/31/20 (10) | Change from @ 03/13/19 (11) | Closed Non-Zero Count @ 03/31/20 (12) | Total Open + IBNR Counts (13) | Open Counts (14) | IBNR Counts (15) |
|--------------------|------------------------------------|-------------------------------------|-------------------------------------|------------------------|--------------------------|------------------------------|--------------------------|-----------------|--|--|--------------------------------------|--|--|------------------------|------------------------|
| 2005 | 15,996 | 536 | 536 | 0 | 1.000 | 1.000 | 0 | 0 | 536 | 536 | 0 | 536 | 0 | 0 | 0 |
| 2006 | 15,921 | 429 | 429 | 0 | 1.000 | 1.000 | 0 | 0 | 429 | 429 | 0 | 429 | 0 | 0 | 0 |
| 2007 | 15,952 | 528 | 528 | 0 | 1.000 | 1.000 | 0 | 0 | 528 | 528 | 0 | 528 | 0 | 0 | 0 |
| 2008 | 16,656 | 543 | 543 | 0 | 1.000 | 1.000 | 0 | 0 | 543 | 543 | 0 | 543 | 0 | 0 | 0 |
| 2009 | 16,732 | 520 | 520 | 0 | 1.000 | 1.000 | 0 | 0 | 520 | 520 | 0 | 520 | 0 | 0 | 0 |
| 2010 | 16,381 | 533 | 533 | 0 | 1.000 | 1.000 | 0 | 0 | 533 | 533 | 0 | 533 | 0 | 0 | 0 |
| 2011 | 16,449 | 542 | 542 | 0 | 1.000 | 1.000 | 0 | 0 | 542 | 542 | 0 | 542 | 0 | 0 | 0 |
| 2012 | 16,516 | 355 | 355 | 0 | 1.000 | 1.000 | 0 | 0 | 355 | 355 | 0 | 355 | 0 | 0 | 0 |
| 2013 | 16,383 | 421 | 421 | 0 | 1.000 | 1.000 | 0 | 0 | 421 | 421 | 0 | 420 | 1 | 1 | 0 |
| 2014 | 16,396 | 594 | 594 | 0 | 1.000 | 1.000 | 0 | 0 | 594 | 594 | 0 | 593 | 1 | 1 | 0 |
| 2015 | 16,403 | 488 | 488 | 0 | 1.000 | 1.000 | 0 | 0 | 488 | 488 | 0 | 486 | 2 | 2 | 0 |
| 2016 | 17,990 | 336 | 336 | 0 | 1.000 | 1.000 | 0 | 0 | 336 | 336 | 0 | 334 | 2 | 2 | 0 |
| 2017 | 16,939 | 299 | 300 | 1 | 1.001 | 1.001 | 0 | 1 | 299 | 300 | 1 | 297 | 3 | 3 | 0 |
| 2018 | 18,228 | 407 | 407 | 0 | 1.003 | 1.002 | 1 | (1 |) 408 | 407 | (1) |) 396 | 11 | 11 | 0 |
| 2019 | 18,000 | 353 | 385 | 32 | 1.212 | 1.208 | 73 | (41 |) 428 | 386 | (42) |) 359 | 27 | 26 | 1 |
| 2020 | 19,113 | | 269 | | | | | | | 328 | | 153 | 175 | 116 | 59 |
| Total | 270,055 | | 7,186 | | | | | | | 7,247 | | 7,024 | 223 | 162 | 61 |
| Total ex 2020 | 250,942 | 6,884 | 6,917 | 33 | | | 75 | (42 | 6,961 | 6,919 | (42) | 6,871 | 48 | 46 | 2 |

Notes:

(1) Provided by Client

(2) Prior Analysis

(3) Exhibit Auto-16

(4) = (3) - (2)
 (5) Prior Analysis

(6) Prior Analysis (7) = [(9)-(2)] * (1/(6)-1/(5))/(1-1/(5))

(8) = (4) - (7)

(9) Prior Analysis (10) Exhibit Auto-16 (11) = (10) - (9) (12) Exhibit Auto-16 (12) = (10) - (3) $(14) = (3) \cdot (12)$ $(15) = (13) \cdot (14)$

State of Ohio - Offlice of Risk Management Auto Liability As of March 31, 2020 Allocation of 7/1/20-21 Ultimate Loss & ALAE by Agency at ACE- \$2M per Occurrence and Undiscounted

| | | (1) | (2) | (3) | Premium E (4) | stimate (5) | (6) | (7) | Change | in Premium (E (8) | stimate less P (9) | (10) | | (11) | Rate per Adju (12) | (13) | (14) |
|-------------|--|---------------------------|-----------------------|-------------------------|------------------------------|-------------------------|---------------------------|-------------------|--------------------|----------------------------|------------------------|--------------------------|----------|--------------------|------------------------------|-------------------------|--------------------------|
| | | (1) | | Based on | Based on | | Based on | Based (| | Based on | | Based on | | ased on | Based on | | Based on |
| | | | Estimated Adjusted | Adjusted 2 Vehicle | Capped Trendec Ult. L&LAE | Based on 50/50 | Cred. Wtd. Ult. L&LAE | Adjuste Vehicl | | oped Trendec Ult. L&LAE | Based on 50/50 | Cred. Wtd. Ult. L&LAE | | djusted /ehicle | Capped Trendec Ult. L&LAE | Based on 50/50 | Cred. Wtd. Ult. L&LAE |
| | | Prior | Vehicle | Count | FY 2010-2020 | Claims | FY 2010-2020 | Count | FY | 2010-2020 | Claims | FY 2010-2020 | | Count | FY 2010-2020 | Claims | FY 2010-202 |
| Code ACC | Agency Name Accountancy Board of Ohio | Premium | Count 0.00 | Distribution | Distribution | Distribution | Distribution | Distribut | ion E | Distribution | Distribution | Distribution | Dis | tribution | Distribution | Distribution | Distribution |
| ADJ | Adjutant General | \$ 7,172 | 132.45 | \$ 12,695 | \$ 1,673 | | \$ 9,887 | \$ 5, | 523 \$ | (5,500) \$ | 5 12 | \$ 2,715 | \$ | 95.85 | \$ 12.63 | \$ 54.24 | \$ 74.65 |
| AGE | Department of Aging | \$ 50.984 | | \$ 96 \$ 40.966 | \$ - : \$ 72.361 | | \$ 81 \$ 51,680 | \$ | 45 \$ | (51) 9 | 5 (3) | \$ 30 \$ 697 | \$ | 95.85 95.85 | \$ - | \$ 47.93 \$ 132.58 | |
| AGO AGR | Office of the Attorney General Department of Agriculture | \$ 50,984 \$ 43,939 | | \$ 30,265 | | | \$ 51,680 \$ 39,862 | \$ (10, \$ (13, |)17) \$ 574) \$ | 21,378 9 | 5,680 339 | \$ (4,076) | \$ \$ | 95.85 95.85 | \$ 169.31 \$ 184.61 | \$ 132.58 \$ 140.23 | \$ 120.92 \$ 126.25 |
| ARC | Board of Examiners of Architects | s - | | ş - | | | s - | | | | | | | | | | |
| ART ATH | The Ohio Arts Council Ohio Athletic Commission | \$ - \$ - | 0.00 | \$ - \$ - | \$ - \$ - | | s - s - | | | | | | | | | | |
| AUD | Auditor of State | \$ 523 | 9.00 | | | 5 543 | \$ 763 | \$ | 340 Ş | (300) \$ | | | \$ | 95.85 | \$ 24.73 | \$ 60.29 | |
| ETC BOR | Broadcast Educational Media Commission Department of Higher Education | \$ 51 \$ 51 | | \$ 96 \$ 96 | \$ - : \$ - | | \$ 81 \$ 81 | \$ | 45 \$ 45 \$ | (51) 9 | | | s s | 95.85 95.85 | s - | \$ 47.93 \$ 47.93 | \$ 81.04 \$ 81.04 |
| BUR | Board of Tax Appeals | ş - | | s - | \$ - 1 | 5 - | ŝ - | 2 | | | | | | | \$ · | • | |
| BWC | Bureau of Workers Compensation | \$ 28,173 | | \$ 30,682 | | | \$ 27,624 | | 08 \$ | (5,808) | (1,650) | | s | 95.85 | \$ 69.87 | | |
| CAC CDP | Casino Control Commission Chemical Dependency Professionals Board | \$ 833 \$ - | 15.00 0.00 | \$ 1,438 \$ - | \$ 110 \$ - | | \$ 1,232 \$ - | 5 | 605 \$ | (722) | 5 (58) | \$ 400 | \$ | 95.85 | \$ 7.36 | \$ 51.60 | \$ 82.14 |
| CHR | Board of Chiropractic Examiners | s - | | \$ - | \$ - : | | s - | | | | | | | | | | |
| CIV CLA | Civil Rights Commission Ohio Court of Claims | \$ 357 \$ 51 | | \$ 671 \$ 96 | \$ - : \$ - | | \$ 567 \$ 81 | \$ | 45 \$ | (357) (51) | 5 (22) 5 (3) | \$ 210 \$ 30 | \$ \$ | 95.85 95.85 | \$ - c . | \$ 47.93 \$ 47.93 | \$ 81.04 \$ 81.04 |
| COM | Department of Commerce | \$ 34,572 | | | | | \$ 33,237 | \$ 4, | 41 \$ | | | | ŝ | 95.85 | \$ 54.75 | \$ 75.30 | \$ 81.04 |
| COS | State Cosmetology and Barber Board | \$ 6,047 | | \$ 1,725 \$ 192 | \$ 13,485 | | \$ 3,471 | \$ (4, | 322) \$ | 7,438 | | \$ (2,576) | \$ | 95.85 | \$ 749.14 | \$ 422.50 \$ 47.93 | \$ 192.82 |
| CRB CSR | Motor Vehicle Collision Repair Board Capitol Square Review & Advisory Board | \$ 102 \$ 602 | 2.00 10.80 | \$ 192 \$ 1,035 | \$ 105 | | \$ 162 \$ 891 | ş. | 90 \$ 133 \$ | (102) § (497) § | 5 (6) 5 (32) | | \$ \$ | 95.85 95.85 | \$ 9.71 | \$ 52.78 | \$ 81.04 \$ 82.49 |
| CSV | Commission on Service & Volunteerism | s - | | s - | | | s - | | | | | | | | | | |
| CSW DAS | Counselors & Social Workers Board Department of Administrative Services | \$ - \$ 7,205 | 0.00 100.30 | \$ - \$ 9,614 | \$ - : \$ 5,368 | | \$ - \$ 8,507 | \$ 2 | 109 \$ | (1,837) \$ | \$ 286 | \$ 1,303 | ¢ | 95.85 | \$ 53.52 | \$ 74.68 | \$ 84.82 |
| DEN | Dental Board | \$ 204 | 4.00 | \$ 383 | \$ 443 | 5 413 | \$ 390 | \$ | .79 \$ | 239 \$ | \$ 209 | \$ 186 | ŝ | 95.85 | \$ 110.79 | \$ 103.32 | \$ 97.57 |
| DEV | Development Services Agency | \$ 780 | | \$ 1,246 | | | \$ 1,179 | | 166 \$ | 61 9 | 5 264 | \$ 399 | \$ | 95.85 | \$ 64.70 \$ 49.84 | \$ 80.28 | \$ 90.70 |
| DMH DMR | Department of Mental Health & Addiction Services Department of Developmental Disabilities | \$ 14,527 \$ 26,020 | 185.35 319.25 | \$ 17,766 \$ 30,600 | \$ 9,239 \$ 26,086 | 5 13,502 5 28,343 | \$ 15,552 \$ 28,867 | | 39 \$ 80 \$ | (5,289) 5 | \$ (1,025) \$ 2,323 | \$ 1,024 \$ 2,847 | s | 95.85 95.85 | \$ 49.84 \$ 81.71 | \$ 72.85 \$ 88.78 | \$ 83.90 \$ 90.42 |
| DNR | Department of Natural Resources | \$ 251,357 | 3,719.20 | \$ 356,485 | \$ 145,156 | 250,820 | \$ 196,942 | \$ 105, | 28 \$ | (106,202) | \$ (537) | \$ (54,416) | s | 95.85 | \$ 39.03 | \$ 67.44 | \$ 52.95 |
| DOH DOT | Department of Health Department of Transportation | \$ 13,257 \$ 1.068,220 | 191.20 10.053.40 | \$ 18,327 \$ 963,618 | \$ 15,162 \$ 1.075.111 | 5 16,744 5 1.019.365 | \$ 17,443 \$ 1,041,695 | | 070 \$ | 1,906 5 | 5 3,488 5 (48,855) | \$ 4,186 \$ (26,525) | \$ \$ | 95.85 95.85 | \$ 79.30 \$ 106.94 | \$ 87.58 \$ 101.40 | \$ 91.23 \$ 103.62 |
| DPS | Department of Public Safety | \$ 505,687 | 5,048.85 | \$ 483,932 | \$ 531,391 | 5 507,662 | \$ 516,777 | \$ (21, | | 25,704 | | \$ 11,089 | ŝ | 95.85 | \$ 105.25 | \$ 100.55 | \$ 102.36 |
| DRC DVM | Department of Rehabilitation & Correction | \$ 174,449 | 1,102.20 | \$ 166,036 | \$ 241,877 | 203,956 | \$ 221,736 | \$ (8, | 12) \$ | 67,428 | \$ 29,508 | \$ 47,288 | \$ | 95.85 | \$ 139.63 | \$ 117.74 | \$ 128.00 |
| DVM | Veterinary Medical Board Department of Veterans Services | \$ 5.408 | 0.00 51.85 | \$ 4.970 | \$ 5.327 | 5 5.149 | \$ - \$ 4.997 | \$ (| (38) Ś | (81) | 5 (260) | S (411) | s | 95.85 | \$ 102.74 | \$ 99.30 | \$ 96.37 |
| DYS | Department of Youth Services | \$ 16,082 | 170.50 | \$ 16,342 | \$ 13,606 | 14,974 | \$ 15,576 | \$ | 60 \$ | (2,476) | 5 (1,108) | \$ (506) | \$ | 95.85 | \$ 79.80 | \$ 87.82 | \$ 91.35 |
| EBR EDU | Environmental Board of Review Department of Education | \$ - \$ 1,792 | 0.00 14.00 | \$ - \$ 1,342 | \$ 2,301 | 5 - 5 1,821 | \$ - \$ 1,478 | \$ 0 | (50) Ŝ | 509 \$ | \$ 30 | \$ (314) | s | 95.85 | \$ 164.34 | \$ 130.09 | \$ 105.56 |
| ELC | Ohio Elections Commission | \$ - | 0.00 | \$ 1,5%2 | \$ - : | 5 1,021 | \$ - | \$ (| JU) Ş | 509 . | y 50 | 5 (514) | 2 | <i>y</i> 5.05 | 5 104.54 | \$ 150.05 | \$ 105.50 |
| ENG EPA | Engineers & Surveyors Board Environmental Protection Agency | \$ - \$ 18,107 | 0.00 246.30 | \$ - \$ 23,608 | \$ - 5,692 | 5 - 5 14,650 | \$ - \$ 19,028 | ¢ 5 | 01 \$ | (12,415) | \$ (3,457) | \$ 921 | s | 95.85 | \$ 23.11 | \$ 59.48 | \$ 77.26 |
| ERB | Employee Relations Board | \$ 18,107 \$ 130 | | \$ 23,608 \$ 192 | | | \$ 19,028 \$ 171 | 5 5, S | 62 \$ | (12,415) (73) 9 | | | s | 95.85 95.85 | \$ 23.11 | \$ 59.48 | \$ 77.26 |
| ETH | Ethics Commission | \$ 260 | 3.00 | \$ 288 | \$ 114 | 5 201 | \$ 260 | ŝ | 28 \$ | (146) \$ | \$ (59) | \$ 0 | \$ | 95.85 | \$ 38.09 | \$ 66.97 | \$ 86.73 |
| EXP FUN | Ohio Expositions Commission Board of Embalmers and Funeral Directors | \$ 7,192 \$ 102 | | \$ 11,416 \$ 192 | \$ 895 \$ - | | \$ 8,739 \$ 162 | \$ 4, | 24 \$ 90 \$ | (6,297) (102) | 6 (1,037) 6 (6) | \$ 1,547 \$ 60 | s s | 95.85 95.85 | \$ 7.51 | \$ 51.68 \$ 47.93 | \$ 73.38 \$ 81.04 |
| GOV | Office of the Governor | \$ - | 0.00 | ý 1)L | ÷ . | , ,, | J 102 | ~ | | | | | Ť | ,5.05 | * | ÷ 41.55 | |
| HF A IGO | Ohio Housing Finance Agency Office of the Inspector General | \$ 868 \$ 5.027 | | | \$ - : \$ 9.915 | | \$ 1,297 \$ 1,723 | | 666 \$ (40) \$ | (868) 9 | | | s s | 95.85 95.85 | \$ | \$ 47.93 \$ 1.700.43 | \$ 81.04 \$ 574.17 |
| IGO | Department of Insurance | \$ 5,027 \$ 1,744 | | \$ 288 \$ 1.246 | | | \$ 1,723 \$ 1,384 | | 40) \$ 198) \$ | 4,888 3 | 5 (15) | | s | 95.85 95.85 | | \$ 1,700.43 | |
| JCO | Judicial Conference of Ohio | \$ - | | s - | \$ - | - | s - | | | | | | | | | | |
| JCR JEO | Joint Committee on Agency Rule Joint Education Oversight Committee | \$ - \$ - | | \$ - \$ - | \$ - : \$ - : | | s - s - | | | | | | | | | | |
| JFS | Department of Job and Family Services | \$ 13,112 | 158.75 | \$ 15,216 | \$ 11,603 | | \$ 14,238 | \$2, | .04 \$ | (1,508) | \$ 298 | \$ 1,126 | s | 95.85 | \$ 73.09 | \$ 84.47 | \$ 89.69 |
| JLE JMO | Joint Legislative Ethics Commission Joint Medicaid Oversight Committee | ş - | 0.00 0.00 | \$ - \$ - | \$ - \$ - | | s - s - | | | | | | | | | | |
| JMU JSC | Judiciary/Supreme Court | \$ 378 | 7.40 | \$ - \$ 709 | s - : | | \$ 600 | S | 31 \$ | (378) | \$ (23) | \$ 222 | s | 95.85 | s - | \$ 47.93 | \$ 81.04 |
| LCO | Liquor Control Commission | \$ - | 0.00 | s - | \$ - : | 5 - | s - | | | | | | | | | | |
| LEC | Lake Erie Commission State Library Board | \$ - \$ 306 | 0.00 | \$ - \$ 575 | \$ - \$ - | | \$ - \$ 486 | \$ | 269 S | (306) | 5 (19) | \$ 180 | \$ | 95.85 | ς | \$ 47.93 | \$ 81.04 |
| LOT | Ohio Lottery Commission | \$ 15,051 | 170.30 | \$ 16,323 | | 14,322 | \$ 15,242 | | 72 \$ | (2,731) | 5 (730) | \$ 190 | s s | 95.85 | \$ 72.34 | \$ 84.10 | \$ 89.50 |
| LSC MCD | Legislative Service Commission | \$ 51 | | \$ 96 | \$ - \$ - | | \$ 81 | \$ | 45 \$ | (51) \$ | \$ (3) | \$ 30 | \$ | 95.85 | ş - | \$ 47.93 | \$ 81.04 |
| MCD MED | Department of Medicaid Medical Board | \$ - \$ 1,021 | | \$ - \$ 1,917 | * | - | \$ - \$ 1,621 | \$ | 896 \$ | (1,021) | 63) | \$ 600 | s | 95.85 | s - | \$ 47.93 | \$ 81.04 |
| ΜΗ | Commission on Minority Health | s - | 0.00 | \$ - | \$ - : | 5 - | s - | | | | | | 1 | | | | |
| NUR OBM | Board of Nursing Office of Budget & Management | \$ - \$ 51 | 0.00 | \$- \$96 | \$ | | \$ - \$ 81 | s | 45 S | (51) | \$ (3) | \$ 30 | s | 95.85 | s . | \$ 47.93 | \$ 81.04 |
| OCC | Office of Consumers' Counsel | \$ 296 | 4.00 | \$ 383 | | 256 | \$ 343 | s | 88 \$ | (167) \$ | 5 (40) | \$ 48 | s | 95.85 | \$ 32.05 | \$ 63.95 | \$ 85.83 |
| OIC | Industrial Commission | \$ 1,436 | 5.00 | \$ 479 | \$ 1,019 | 749 | \$ 557 | \$ (| 956) \$ | (417) \$ | \$ (687) | \$ (878) | \$ | 95.85 | \$ 203.73 | \$ 149.79 | \$ 111.44 |
| ODC OSB | Office of Disciplanary Counsel Ohio State School for the Blind | \$ 102 \$ 1,033 | 2.00 19.80 | \$ 192 \$ 1,898 | \$ 422 | | \$ 162 \$ 1,668 | s | 90 \$ 865 \$ | (102) 9 | 6 (6) 5 127 | \$ 60 \$ 634 | s s | 95.85 95.85 | \$ 21.31 | \$ 47.93 \$ 58.58 | \$ 81.04 \$ 84.22 |
| OSD | Ohio School for the Deaf | \$ 970 | 16.40 | \$ 1,572 | \$ 421 | 996 | \$ 1,392 | \$ | 501 \$ | (550) \$ | \$ 26 | \$ 421 | \$ | 95.85 | \$ 25.67 | \$ 60.76 | \$ 84.87 |
| PRX PSY | Board of Pharmacy Board of Psychology | \$ 2,349 | 40.00 | \$ 4,409 \$ - | \$ - \$ - | | \$ 3,728 \$ - | \$ 2, | 61 \$ | (2,349) | 5 (144) | \$ 1,379 | \$ | 95.85 | ş - | \$ 47.93 | \$ 81.04 |
| PUB | Public Defender Commission | \$ 613 | | + | \$ - | | \$ 973 | \$ | 538 \$ | (613) | \$ (38) | \$ 360 | s | 95.85 | s - | \$ 47.93 | \$ 81.04 |
| PUC | Public Utilities Commission | \$ 13,514 | 54.00 | \$ 5,176 | | | \$ 7,881 | \$ (8, | 38) \$ | 9,975 | 5 818 | \$ (5,633) | \$ | 95.85 | \$ 434.98 | \$ 265.41 | \$ 145.94 |
| PWC PYT | Public Works Commission Occupational and Physical Therapy Board | \$ - \$ - | | \$ - \$ - | \$ - \$ - | | s - s - | | | | | | | | | | |
| RAC | Racing Commission | \$ 153 | 3.00 | \$ 288 | \$ - | - 5 144 | \$ 243 | | 34 \$ | (153) | | | \$ | 95.85 | | \$ 47.93 | \$ 81.04 |
| REP RSC | Ohio House of Representatives Opportunities for Ohioans With Disabilities Agency | \$ 346 \$ 13.563 | 3.00 204.10 | \$ 288 \$ 19.563 | \$ 393 \$ 10.652 | | \$ 302 \$ 17.244 | | (58) \$ 000 \$ | 47 9 | 5 (5) 5 1,545 | \$ (44) \$ 3,681 | \$ \$ | 95.85 95.85 | \$ 131.04 \$ 52.19 | \$ 113.44 \$ 74.02 | \$ 100.59 \$ 84.49 |
| SCR | Opportunities for Ohioans With Disabilities Agency Board of Career Colleges and Schools | \$ - \$ | 204.10 | \$ - \$ - | \$ - \$ | 5 - | \$ 17,244 \$ · | э 6, | Ş | (2,911) | , 1,545 | \$ 3,681 | 5 | 70.85 | \$ 52.19 | \$ 14.02 | |
| SEN | The Ohio Senate | \$ 102 | 2.00 | \$ 192 | s - | 96 | \$ 162 | \$ | 90 \$ | (102) | 6) | | s | 95.85 | \$ - | \$ 47.93 | \$ 81.04 |
| SFC SHP | Ohio Facilities Construction Commission Ohio Speech and Hearing Professionals Board | \$ 1,583 | 28.00 0.00 | \$ 2,684 \$ - | \$ - \$ - | | \$ 2,269 \$ - | \$ 1, | .01 \$ | (1,583) | 5 (241) | \$ 687 | \$ | 95.85 | ş - | \$ 47.93 | \$ 81.04 |
| SOA | Southern Ohio Agricultural & Community Development | \$ 51 | 1.00 | \$ 96 | \$ - | 5 48 | \$ 81 | \$ | 45 \$ | (51) | \$ (3) | | \$ | 95.85 | s - | \$ 47.93 | \$ 81.04 |
| SOS | Ohio Secretary of State | \$ 102 | 2.00 | \$ 192 | \$ - : | 5 96 | \$ 162 | \$ | 90 \$ | (102) | | | \$ | 95.85 | ş - | \$ 47.93 | \$ 81.04 |
| SPA TAX | Ohio Commission on Hispanic/Latino Affairs Department of Taxation | \$ 2,536 | | \$ - \$ 3.748 | | | \$ - \$ 3.909 | S 1 | 12 \$ | 2.425 | 5 1.818 | \$ 1.373 | s | 95.85 | \$ 126.87 | \$ 111.36 | \$ 99.97 |
| TOS | Ohio Treasurer of State | \$ 153 | 3.00 | | \$ - | 144 | \$ 243 | | 34 \$ | (153) | | | ŝ | 95.85 | \$ - | \$ 47.93 | |
| UST | Petroleum UST Release Compensation Board | ş - | 0.00 | ş - | \$ - : | - | \$ - c . | | | | | | | | | | |
| VPB | Ohio Vision Professionals Board | | | | | | | | | | | | | | | | |

Abtes:
 (1) Provided by Client
 (2) = Vehicle Count Relativity to Vehicle Class 310
 (3) Based on Allocation from Exhibit Auto Premium Allocation:2
 (4) Based on Allocation from Exhibit Auto Premium Allocation:2

(5) Based on Allocation from Exhibit Auto Premium Allocation-2
(6) Based on Allocation from Exhibit Auto Premium Allocation-2
(7) = (3) · (1)
(8) = (4) · (1)

(9) =(5)-(1) (10) =(6)-(1) (11) =(3)/(2) (12) =(4)/(2)

(13) =(5)/(2) (14) =(6)/(2) (15) Prior year analysis (16) Prior year analysis

State of Ohio - Office of Risk Management Auto Liability As of March 31, 2020 Allocation of 7/1/20-21 Ultimate Loss & ALAE by Agency at ACE- Undiscounted - Scenario 1: 50/50 Weight

| | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|-------------|---|---------------|----------------------------|------------------------------|----------------------------------|---------------|------------------------|-----------------------|--------------------------|--------------------------|------------------------|----------------------|------------------------|
| | | | Estimate Using Adjusted | Capped | Estimate Using Capped Trended | | | 7/1/20-21 Ultimate | 7/1/20-21 Ultimate | | | | |
| | | Adjusted | Vehicle | Trended | Ult. L&LAE | Experience | Selected | Losses & LAE | Losses & LAE | | | Percentage | |
| Code | A | Vehicle | Count | Ult. L&LAE | FY 2010-2020 | Weighting | Claims Distribution | \$2,000,000 | \$5,000,000 | Prior | Change in Premium | Change in Premium | Cost per |
| Code ACC | Agency Name Accountancy Board of Ohio | Count 0.00 | Distribution \$ - | FY 2010-2020 \$- | Distribution \$ - | Factor 50% | 0.00% | | per Occurrence \$ - | Premium \$ - | S - | O% | Vehicle \$ - |
| ADJ | Adjutant General | 132.45 | \$ 12,695 | | \$ 1,673 | 50% | 0.31% | | \$ 8,399 | \$ 7,172 | \$ 12 | | \$ 54.24 |
| AGE AGO | Department of Aging Office of the Attorney General | | \$ 96 \$ 40,966 | \$ - \$ 425,552 | \$ - \$ 72,361 | 50% 50% | 0.00% | | \$ 56 \$ 66,243 | \$ 51 \$ 50,984 | \$ (3) \$ 5,680 | | \$ 47.93 \$ 132.58 |
| AGR | Department of Agriculture | | | \$ 342,810 | \$ 58,292 | 50% | 1.89% | | | \$ 43,939 | \$ 339 | | \$ 140.23 |
| ARC | Board of Examiners of Architects | | | s - | s - | 50% | 0.00% | | s - | s - | s - | | s - |
| ART ATH | The Ohio Arts Council Ohio Athletic Commission | | s - s - | | \$ - \$ - | 50% 50% | 0.00% | | \$ - \$ - | \$ - \$ - | \$ - \$ - | | s - s - |
| AUD | Auditor of State | | \$ 863 | | \$ 223 | 50% | 0.02% | | \$ 634 | \$ 523 | \$ 20 | | \$ 60.29 |
| ETC | Broadcast Educational Media Commission | | \$ 96 | s - | s - | 50% | 0.00% | | \$ 56 | \$ 51 | \$ (3) | -6% | \$ 47.93 |
| BOR BTA | Department of Higher Education Board of Tax Appeals | | \$ 96 \$ - | | \$ - \$ - | 50% 50% | 0.00% | | \$ 56 \$ - | \$ 51 \$ - | \$ (3) \$ - | | \$ 47.93 \$ - |
| BWC | Bureau of Workers Compensation | | | \$ 131,527 | \$ 22,365 | 50% | 1.13% | | \$ 31,007 | \$ 28,173 | \$ (1,650) | | \$ 82.86 |
| CAC | Casino Control Commission | 15.00 | \$ 1,438 | | \$ 110 | 50% | 0.03% | | | \$ 833 | \$ (58) | -7% | \$ 51.60 |
| CDP CHR | Chemical Dependency Professionals Board Board of Chiropractic Examiners | | | s - s - | \$ - \$ - | 50% 50% | 0.00% | | s - s - | \$ - \$ - | s - s - | | \$ - \$ - |
| CIV | Civil Rights Commission | | | s - | s · | 50% | 0.00% | | \$ 392 | \$ 357 | \$ (22) | | \$ - \$ 47.93 |
| CLA | Ohio Court of Claims | | \$ 96 | | s - | 50% | 0.00% | \$ 48 | \$ 56 | \$ 51 | \$ (3) | -6% | \$ 47.93 |
| COM | Department of Commerce | | \$ 39,313 | | \$ 22,457 | 50% | 1.32% | + | \$ 36,106 | \$ 34,572 | \$ (3,687) | | \$ 75.30 |
| COS CRB | State Cosmetology and Barber Board Motor Vehicle Collision Repair Board | | \$ 1,725 \$ 192 | \$ 79,302 \$ - | \$ 13,485 \$ - | 50% 50% | 0.32% | | | \$ 6,047 \$ 102 | \$ 1,558 \$ (6) | | \$ 422.50 \$ 47.93 |
| CSR | Capitol Square Review & Advisory Board | | | \$ 617 | \$ 105 | 50% | 0.02% | | \$ 666 | \$ 602 | \$ (32) | | \$ 52.78 |
| CSV | Commission on Service & Volunteerism | | | s - | s - | 50% | 0.00% | | s - | s - | s - | | s - |
| CSW DAS | Counselors & Social Workers Board Department of Administrative Services | | | \$- \$31.569 | \$ - \$ 5.368 | 50% 50% | 0.00% | | \$- \$8,757 | \$ - \$ 7,205 | \$ - \$ 286 | | \$ - \$ 74.68 |
| DEN | Dental Board | | | \$ 2,606 | \$ 5,368 | 50% | 0.02% | | \$ 483 | \$ 204 | \$ 209 | | \$ 103.32 |
| DEV | Development Services Agency | 13.00 | \$ 1,246 | \$ 4,947 | \$ 841 | 50% | 0.04% | \$ 1,044 | \$ 1,220 | \$ 780 | \$ 264 | 34% | \$ 80.28 |
| DMH DMR | Department of Mental Health & Addiction Services Department of Developmental Disabilities | | \$ 17,766 \$ 30,600 | | \$ 9,239 \$ 26,086 | 50% 50% | 0.58% | | \$ 15,785 \$ 33,134 | \$ 14,527 \$ 26,020 | \$ (1,025) \$ 2,323 | | \$ 72.85 \$ 88.78 |
| DNR | Department of Natural Resources | | | | \$ 145,156 | 50% | 1.21% | | | \$ 251,357 | \$ (537) | | \$ 67.44 |
| DOH | Department of Health | 191.20 | \$ 18,327 | \$ 89,170 | \$ 15,162 | 50% | 0.71% | \$ 16,744 | \$ 19,575 | \$ 13,257 | \$ 3,488 | 26% | \$ 87.58 |
| DOT | Department of Transportation Department of Public Safety | | | | \$ 1,075,111 | 50% | 43.43% 21.63% | | \$ 1,191,684 | \$ 1,068,220 | \$ (48,855) | | \$ 101.40 |
| DPS DRC | Department of Public Safety Department of Rehabilitation & Correction | | | \$ 3,125,078 \$ 1,422,461 | \$ 531,391 \$ 241,877 | 50% 50% | 21.63% | | \$ 593,480 \$ 238,434 | \$ 505,687 \$ 174,449 | \$ 1,974 \$ 29,508 | | \$ 100.55 \$ 117.74 |
| DVM | Veterinary Medical Board | | \$ - | \$ - | \$ - | 50% | 0.00% | | \$ - | \$ - | \$ - | | s - |
| DVS | Department of Veterans Services | | \$ 4,970 | | \$ 5,327 | 50% | 0.22% | | \$ 6,019 | \$ 5,408 | \$ (260) | | \$ 99.30 |
| DYS EBR | Department of Youth Services Environmental Board of Review | | \$ 16,342 \$ - | \$ 80,014 \$ - | \$ 13,606 \$ - | 50% 50% | 0.64% | | \$ 17,505 \$ - | \$ 16,082 \$ - | \$ (1,108) \$ | | \$ 87.82 \$ - |
| EDU | Department of Education | | \$ 1,342 | | \$ 2,301 | 50% | 0.00% | | \$ 2,129 | \$ 1,792 | \$ 30 | | \$ 130.09 |
| ELC | Ohio Elections Commission | 0.00 | s - | s - | s - | 50% | 0.00% | s - | \$- | \$- | s - | 0% | s - |
| ENG EPA | Engineers & Surveyors Board | | \$ - | \$- \$33.472 | \$ - \$ 5.692 | 50% 50% | 0.00% | | \$. | \$ - \$ 18.107 | \$ - \$ (3,457) | | \$ - \$ 59.48 |
| ERB | Environmental Protection Agency Employee Relations Board | | \$ 23,608 \$ 192 | | \$ 5,692 \$ 57 | 50% | 0.62% | | \$ 17,126 \$ 145 | \$ 18,107 \$ 130 | \$ (3,457) \$ (6) | | \$ 59.48 \$ 62.21 |
| ETH | Ethics Commission | | \$ 288 | | \$ 114 | 50% | 0.01% | \$ 201 | \$ 235 | \$ 260 | \$ (59) | | \$ 66.97 |
| EXP | Ohio Expositions Commission | | \$ 11,416 | | \$ 895 | 50% | 0.26% | | \$ 7,196 | \$ 7,192 | \$ (1,037) | | \$ 51.68 |
| FUN GOV | Board of Embalmers and Funeral Directors Office of the Governor | | \$ 192 \$ - | | \$ - \$ - | 50% 50% | 0.00% | | \$ 112 \$ - | \$ 102 \$ - | \$ (6) \$ - | | \$ 47.93 \$ - |
| HFA | Ohio Housing Finance Agency | | \$ 1,534 | | š - | 50% | 0.03% | | \$ 896 | \$ 868 | \$ (101) | | \$ 47.93 |
| IGO | Office of the Inspector General | | \$ 288 | | \$ 9,915 | 50% | 0.22% | | \$ 5,964 | \$ 5,027 | \$ 74 | | \$ 1,700.43 |
| INS JCO | Department of Insurance Judicial Conference of Ohio | | \$ 1,246 \$ - | \$ 13,008 | \$ 2,212 \$ - | 50% 50% | 0.07% | | \$ 2,021 \$ - | \$ 1,744 \$ - | \$ (15) \$ - | | \$ 133.00 \$ - |
| JCR | Joint Committee on Agency Rule | | ş - | | ş - | 50% | 0.00% | | \$ - | \$ - | s - | | ş - |
| JEO | Joint Education Oversight Committee | | ş - | | s - | 50% | 0.00% | | \$- | \$- | s - | | s - |
| JFS JLE | Department of Job and Family Services Joint Legislative Ethics Commission | | \$ 15,216 \$ - | | \$ 11,603 \$ - | 50% 50% | 0.57% | | \$ 15,677 \$ - | \$ 13,112 \$ - | \$ 298 \$ - | | \$ 84.47 \$ - |
| JMO | Joint Medicaid Oversight Committee | | s - | | s - | 50% | 0.00% | | s - | ş - | s - | | ş - |
| JSC | Judiciary/Supreme Court | | \$ 709 | s - | s - | 50% | 0.02% | | \$ 415 | \$ 378 | \$ (23) | -6% | \$ 47.93 |
| LCO | Liquor Control Commission | | | s - | s - | 50% | 0.00% | | \$ · | s - | s - | | s - |
| LEC LIB | Lake Erie Commission State Library Board | | \$ - \$ 575 | s - c - | \$. | 50% 50% | 0.00% | | \$ - \$ 336 | \$ 306 | \$ · (19) | | \$ - \$ 47.93 |
| LOT | Ohio Lottery Commission | | \$ 16,323 | | \$ 12,320 | 50% | 0.61% | | \$ 16,743 | \$ 15,051 | \$ (730) | | \$ 84.10 |
| LSC | Legislative Service Commission | | \$ 96 | | s - | 50% | 0.00% | | \$ 56 | \$ 51 | \$ (3) | | \$ 47.93 |
| MCD MED | Department of Medicaid Medical Board | | \$ - \$ 1,917 | s - | s - | 50% 50% | 0.00% | | \$ - \$ 1,121 | \$ - \$ 1,021 | \$ - \$ (63) | | \$ - \$ 47.93 |
| MIH | Commission on Minority Health | | \$ 1,917 | | s - | 50% | 0.04% | | \$ 1,121 \$ · | \$ 1,021 | \$ - | | \$ 41.93 \$ - |
| NUR | Board of Nursing | | s - | * | s - | 50% | 0.00% | | \$ - | s - | \$ - | | s - |
| OBM | Office of Budget & Management Office of Consumers' Counsel | | \$ 96 \$ 383 | | \$ - \$ 128 | 50% | | \$ 48 \$ 256 | \$ 56 \$ 200 | \$ 51 \$ 296 | \$ (3) \$ (40) | | \$ 47.93 \$ 63.95 |
| OCC OIC | Industrial Commission | | \$ 383 \$ 479 | | \$ 128 \$ 1,019 | 50% 50% | 0.01% | | \$ 299 \$ 876 | \$ 296 \$ 1,436 | \$ (40) \$ (687) | | \$ 63.95 \$ 149.79 |
| ODC | Office of Disciplanary Counsel | 2.00 | \$ 192 | s - | s - | 50% | 0.00% | \$ 96 | \$ 112 | \$ 102 | \$ (6) | -6% | \$ 47.93 |
| OSB | Ohio State School for the Blind | | \$ 1,898 | | \$ 422 | 50% | 0.05% | | \$ 1,356 | \$ 1,033 | \$ 127 | | \$ 58.58 |
| OSD PRX | Ohio School for the Deaf Board of Pharmacy | | | \$2,475 \$- | \$ 421 \$ - | 50% 50% | 0.04% | | | \$ 970 \$ 2,349 | \$ 26 \$ (144) | | \$ 60.76 \$ 47.93 |
| PSY | Board of Psychology | 0.00 | \$ 4,409 \$ - | | s - | 50% | 0.00% | \$- | \$ - | ş - | s - | 0% | s - |
| PUB | Public Defender Commission | | \$ 1,150 | | \$ - | 50% | 0.02% | | \$ 672 | \$ 613 | \$ (38) | -6% | \$ 47.93 |
| PUC | Public Utilities Commission Public Works Commission | | \$ 5,176 \$ - | | \$ 23,489 \$ - | 50% 50% | 0.61% | | \$ 16,755 \$ - | \$ 13,514 \$ - | \$ 818 \$ - | | \$ 265.41 \$ - |
| PWC | Occupational and Physical Therapy Board | | s - s - | | s - | 50% | 0.00% | | s - | s - | s - | | s - |
| RAC | Racing Commission | 3.00 | \$ 288 | | s - | 50% | 0.01% | \$ 144 | \$ 168 | \$ 153 | \$ (9) | -6% | \$ 47.93 |
| REP | Ohio House of Representatives Opportunities for Ohioans With Disabilities Agency | | \$ 288 \$ 19,563 | \$ 2,312 \$ 62,646 | \$ 393 \$ 10,652 | 50% 50% | 0.01% 0.64% | | | \$ 346 \$ 13,563 | \$ (5) \$ 1,545 | | \$ 113.44 \$ 74.02 |
| SCR | Board of Career Colleges and Schools | | \$ 19,563 \$ - | | \$ 10,652 \$ - | 50% | 0.64% | | \$ 17,662 \$ - | \$ 13,563 \$ - | \$ 1,545 \$ - | | \$ 74.02 \$ - |
| SEN | The Ohio Senate | 2.00 | \$ 192 | ş - | s - | 50% | 0.00% | \$ 96 | \$ 112 | \$ 102 | \$ (6) | -6% | \$ 47.93 |
| SFC | Ohio Facilities Construction Commission | | | s - | ş - | 50% | 0.06% | | \$ 1,569 | \$ 1,583 | \$ (241) | | \$ 47.93 |
| SHP SOA | Ohio Speech and Hearing Professionals Board Southern Ohio Agricultural & Community Development | | \$ - \$ 96 | | \$ - \$ - | 50% 50% | 0.00% | | \$ - \$ 56 | \$. \$51 | \$. \$ (3) | 0% -6% | \$ - \$ 47.93 |
| SOS | Ohio Secretary of State | | \$ 192 | | s - | 50% | 0.00% | | | \$ 102 | \$ (6) | | \$ 47.93 \$ 47.93 |
| SPA | Ohio Commission on Hispanic/Latino Affairs | 0.00 | s - | s - | s - | 50% | 0.00% | ş - | s - | s - | s - | O% | ş - |
| TAX | Department of Taxation Obio Treasurer of State | 39.10 3.00 | | | \$ 4,961 \$ - | 50% 50% | 0.19% | | | \$ 2,536 \$ 153 | \$ 1,818 | | \$ 111.36 \$ 47.02 |
| UST | Petroleum UST Release Compensation Board | | | s - s - | s - s - | 50% | 0.01% | | \$ 168 \$ - | \$ 153 \$ - | \$ (9) \$ - | | \$ 47.93 \$ - |
| 1051 | | | š - | s - | s - | 50% | 0.00% | | \$ - | ş - | s - | 0% | s - |
| VPB | Ohio Vision Professionals Board Total | 24,488 | \$ 2,347,180 | | | | 100.00% | \$ 2.347.270 | \$ 2,744,065 | \$ 2,360,797 | \$ (13,572) | | \$ 95.85 |

AVerage per Auguster versione Council Notes: (1) = Vehicle Count x Relativity to Vehicle Class 310 (2) = (1)/(1 Total)* (7 Total) from Exhibit Auto-3 (3) Incurred Loss developed, trended to 7/1/2020, and capped at \$250,000 (4) = (3)/(3 Total)* (7 Total) from Exhibit Auto-3

(5) Weights provided by the ORM
(6) Based on weighted average of (2) and (4); weights provided by the ORM (7) = (6) x (7 total); (7 total) tom Exhibit Auto-3
(8) = (6) x (8 total); (8 total) from Exhibit Auto-3

(9) Provided by ORM (10) =(7) - (9) (11) =(7)/(9) - 1 (12) =(7)/(1)

State of Ohio - Office of Risk Management Auto Liability A sof March 31, 2020 Allocation of 7/1/20-21 Ultimate Loss & ALAE by Agency at ACE- Undiscounted - Scenario 2: Credibility Weight

| | | (1) | (2) Estimate Using Adiusted | | (4) Estimate Using Capped Trended | (5) | (6) | (7) | (8) 7/1/20-21 Ultimate | (9) 7/1/20-21 Ultimate | (10) | (11) | (12) | (13) |
|-------------|---|---------------------|-----------------------------------|-------------------------|---|-------------------------|------------------|------------------------------------|------------------------------|------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| C. A. | | Adjusted Vehicle | Vehicle Count | Trended Ult. L&LAE | Ult. L&LAE FY 2010-2020 | Experience Weighting | Weighted Cost | Selected Claims Distribution | Losses & LAE \$2,000,000 | Losses & LAE \$5,000,000 | Prior | Change in | Percentage Change in | Cost per |
| Code ACC | Agency Name Accountancy Board of Ohio | Count 0.00 | Distribution \$ - | FY 2010-2020 \$ - | Distribution \$ - | Factor 15% S | | | per Occurrence p S - | s - | Premium \$ - | Premium S - | Premium 0% | Vehicle \$ - |
| ADJ AGE | Adjutant General Department of Aging | | \$ 12,696 \$ 96 | \$ 9,839 \$ - | \$ 1,673 | 25% 5 | | 0.42% | | \$ 11,559 \$ 95 | \$ 7,172 \$ 51 | \$ 2,715 \$ 30 | 38% 59% | \$ 74.65 \$ 81.04 |
| AGE | Office of the Attorney General | 427.40 | \$ 40,968 | \$ 425,552 | \$ 72,361 | 35% | 51,956 | 2.20% | \$ 51,680 | \$ 60,416 | \$ 50,984 | \$ 697 | 1% | \$ 120.92 |
| AGR | Department of Agriculture | | \$ 30,266 | \$ 342,810 | \$ 58,292 | 35% | 40,075 | 1.70% | \$ 39,862 | \$ 46,601 | \$ 43,939 | \$ (4,076) | -9% | \$ 126.25 |
| ARC ART | Board of Examiners of Architects The Ohio Arts Council | 0.00 | s - s - | s - s - | s - s - | 15% S | | | s - s - | ş - s - | s - s - | s - s - | 0% 0% | ş - s - |
| ATH | Ohio Athletic Commission | 0.00 | \$ - | \$ - | \$ - | 15% | | 0.00% | s - | \$- | ş - | s - | 0% | š - |
| AUD ETC | Auditor of State Broadcast Educational Media Commission | | \$ 863 \$ 96 | \$ 1,309 \$ - | \$ 223 \$ - | 15% S 15% S | 767 | 0.03% | \$ 763 \$ 81 | \$ 892 \$ 95 | \$ 523 \$ 51 | \$ 240 \$ 30 | 46% 59% | \$ 84.73 \$ 81.04 |
| BOR | Department of Higher Education | | \$ 96 \$ 96 | ş - | \$ - \$ - | 15% | 81 | 0.00% | \$ 81 | | \$ 51 | \$ 30 | 59% | \$ 81.04 |
| BTA | Board of Tax Appeals | 0.00 | | s - | s - | 15% | | 0.00% | | | ş - | \$ - \$ (549) | 0% | s - |
| BWC | Bureau of Workers Compensation Casino Control Commission | 320.10 15.00 | | \$ 131,527 \$ 649 | \$ 22,365 \$ 110 | 35% 9 | | 1.18% | | | \$ 28,173 \$ 833 | \$ (549) \$ 400 | -2% 48% | \$ 86.30 \$ 82.14 |
| CDP | Chemical Dependency Professionals Board | | ş - | s - | \$ - | 15% | | 0.00% | | s - | ş - | ş - | 0% | s - |
| CHR | Board of Chiropractic Examiners Civil Rights Commission | | \$- \$671 | \$ - \$ - | \$ - \$ - | 15% S | | 0.00% | | + | \$ - \$ 357 | \$ - \$ 210 | 0% 59% | \$ - \$ 81.04 |
| CLA | Ohio Court of Claims | | \$ 96 | s - | ş - | 15% | 81 | 0.00% | \$ 81 | \$ 95 | \$ 51 | \$ 30 | 59% | \$ 81.04 |
| COM | Department of Commerce | 410.15 18.00 | | \$ 132,065 \$ 79,302 | \$ 22,457 \$ 13.485 | 35% 9 | | 1.42% | | | \$ 34,572 | \$ (1,335) | -4% | \$ 81.04 |
| CRB | State Cosmetology and Barber Board Motor Vehicle Collision Repair Board | 2.00 | \$ 1,725 \$ 192 | \$ 79,302 \$ - | \$ 13,485 \$ - | 15% S | 3,489 163 | 0.15% 0.01% | \$ 3,471 \$ 162 | \$ 4,057 \$ 189 | \$ 6,047 \$ 102 | \$ (2,576) \$ 60 | -43% 59% | \$ 192.82 \$ 81.04 |
| CSR | Capitol Square Review & Advisory Board | 10.80 | \$ 1,035 | \$ 617 | \$ 105 | 15% | 896 | 0.04% | \$ 891 | \$ 1,042 | \$ 602 | \$ 289 | 48% | \$ 82.49 |
| CSV CSW | Commission on Service & Volunteerism Counselors & Social Workers Board | 0.00 | \$- ¢. | s - s - | \$ - c . | 15% S 15% S | | 0.00% | s - s - | \$- ¢. | \$ - c . | \$ - c . | 0% 0% | \$ - \$ - |
| DAS | Department of Administrative Services | 100.30 | \$ | \$ 31,569 | \$ 5,368 | 25% | 8,553 | 0.36% | | \$ | \$ 7,205 | \$ 1,303 | 18% | \$ 84.82 |
| DEN | Dental Board | 4.00 | \$ 383 | \$ 2,606 \$ 4,947 | \$ 443 \$ 841 | 15% | 392 | | \$ 390 | \$ 456 | \$ 204 | \$ 186 | 91% | \$ 97.57 |
| DEV | Development Services Agency Department of Mental Health & Addiction Services | 13.00 185.35 | \$ 1,246 \$ 17,766 | \$ 4,947 \$ 54,332 | \$ 841 \$ 9,239 | 15% 25% | | 0.05% | | \$ 1,378 \$ 18,181 | \$ 780 \$ 14,527 | \$ 399 \$ 1.024 | 51% 7% | \$ 90.70 \$ 83.90 |
| DMR | Department of Developmental Disabilities | 319.25 | \$ 30,601 | \$ 153,408 | \$ 26,086 | 35% | 29,021 | 1.23% | \$ 28,867 | \$ 33,747 | \$ 26,020 | \$ 2,847 | 11% | \$ 90.42 |
| DNR DOH | Department of Natural Resources Department of Health | 3,719.20 191.20 | \$ 356,499 \$ 18,327 | \$ 853,651 \$ 89,170 | \$ 145,156 \$ 15,162 | 75% S 25% S | | 8.39% 0.74% | | \$ 230,234 \$ 20,392 | \$ 251,357 \$ 13,257 | \$ (54,416) \$ 4,186 | -22% 32% | \$ 52.95 \$ 91.23 |
| DOT | Department of Transportation | 10,053.40 | \$ 963,655 | \$ 6,322,659 | \$ 1,075,111 | 75% | | 44.38% | | \$ 1,217,789 | \$ 1,068,220 | \$ (26,525) | -2% | \$ 103.62 |
| DPS | Department of Public Safety | 5,048.85 | \$ 483,951 | \$ 3,125,078 | \$ 531,391 | 75% | | 22.02% | | \$ 604,135 | \$ 505,687 | \$ 11,089 | 2% | \$ 102.36 |
| DRC DVM | Department of Rehabilitation & Correction Veterinary Medical Board | 1,732.25 0.00 | \$ 166,043 \$ - | \$ 1,422,461 \$ - | \$ 241,877 \$ - | 75% 5 | | 9.45% 0.00% | | \$ 259,220 \$ - | \$ 174,449 \$ - | \$ 47,288 | 27% 0% | \$ 128.00 \$ - |
| DVS | Department of Veterans Services | 51.85 | \$ 4,970 | \$ 31,330 | \$ 5,327 | 15% \$ | 5,024 | 0.21% | \$ 4,997 | \$ 5,842 | \$ 5,408 | \$ (411) | -8% | \$ 96.37 |
| DYS EBR | Department of Youth Services Environmental Board of Review | 170.50 0.00 | \$ 16,343 | \$ 80,014 | \$ 13,606 | 25% 15% | 15,659 | 0.66% | \$ 15,576 \$ - | \$ 18,209 | \$ 16,082 | \$ (506) | -3% 0% | \$ 91.35 |
| EDU | Department of Education | | \$ 1,342 | \$ 13,530 | \$ 2,301 | 15% | | 0.06% | \$ 1,478 | \$ 1,728 | \$ 1,792 | \$ (314) | -18% | \$ 105.56 |
| ELC | Ohio Elections Commission | 0.00 | | \$ - c . | s - | 15% | | 0.00% | ş - | ş - | ş - | s - | 0% | \$ - c |
| ENG EPA | Engineers & Surveyors Board Environmental Protection Agency | 0.00 246.30 | Ş | \$ - \$ 33,472 | \$ - \$ 5,692 | 15% S 25% S | | 0.00% 0.81% | | ~ | \$ 18,107 | \$ - \$ 921 | 0% 5% | \$ - \$ 77.26 |
| ERB | Employee Relations Board | 2.00 | \$ 192 | \$ 336 | \$ 57 | 15% | 172 | 0.01% | \$ 171 | \$ 199 | \$ 130 | \$ 41 | 31% | \$ 85.31 |
| ETH | Ethics Commission Ohio Expositions Commission | 3.00 | | \$ 672 \$ 5.262 | \$ 114 \$ 895 | 15% 25% | | 0.01% | | | \$ 260 \$ 7,192 | \$ 0 \$ 1.547 | 0% 22% | \$ 86.73 \$ 73.38 |
| FUN | Board of Embalmers and Funeral Directors | 2.00 | | \$ 5,262 | \$ - | 15% | | 0.01% | | \$ 10,217 | \$ 102 | \$ 1,547 | 59% | \$ 81.04 |
| GOV | Office of the Governor | 0.00 | s - | ş - | s - | 15% | | 0.00% | | | ş - | s - | 0% | s - |
| HFA IGO | Ohio Housing Finance Agency Office of the Inspector General | 16.00 3.00 | \$ 1,534 \$ 288 | \$ - \$ 58.310 | \$ - \$ 9.915 | 15% S | | 0.06% | | \$ 1,516 \$ 2,014 | \$ 868 \$ 5.027 | \$ 429 \$ (3.305) | 49% | \$ 81.04 \$ 574.17 |
| INS | Department of Insurance | 13.00 | \$ 1,246 | \$ 13,008 | \$ 2,212 | 15% | 1,391 | 0.06% | \$ 1,384 | \$ 1,617 | \$ 1,744 | \$ (360) | -21% | \$ 106.43 |
| JCO JCR | Judicial Conference of Ohio Joint Committee on Agency Rule | 0.00 | \$ - | \$ - \$ - | \$ - \$ - | 15% 5 | | 0.00% | | \$ - | \$ - \$ - | \$ - c | 0% 0% | \$ - \$ - |
| JEO | Joint Education Oversight Committee | | s - | s - | s - | 15% | | 0.00% | | s - | ş - | s - | 0% | ş - |
| JFS | Department of Job and Family Services | 158.75 | \$ 15,217 | \$ 68,239 | \$ 11,603 | 25% | | | \$ 14,238 | \$ 16,644 | \$ 13,112 | \$ 1,126 | 9% | \$ 89.69 |
| JLE JMO | Joint Legislative Ethics Commission Joint Medicaid Oversight Committee | | s - s - | s - s - | s - s - | 15% S | | 0.00% | s - s - | ş - s - | \$ - \$ - | \$ - \$ - | 0% 0% | \$ - \$ - |
| JSC | Judiciary/Supreme Court | 7.40 | \$ 709 | ş - | \$ - | 15% | 603 | 0.03% | \$ 600 | | \$ 378 | \$ 222 | 59% | \$ 81.04 |
| LCO | Liquor Control Commission Lake Erie Commission | 0.00 | \$ - | s - s - | \$ - \$ - | 15% 5 | | 0.00% | | \$- \$- | \$ - \$ - | \$ - c | 0% | \$ - \$ - |
| LIB | State Library Board | 6.00 | + | s - | s - | 15% | | 0.02% | | \$ 568 | \$ 306 | \$ 180 | 59% | \$ 81.04 |
| LOT | Ohio Lottery Commission | 170.30 | | \$ 72,453 | \$ 12,320 | 25% | | 0.65% | | | \$ 15,051 | \$ 190 | 1% | \$ 89.50 |
| LSC MCD | Legislative Service Commission Department of Medicaid | 1.00 | \$ 96 \$ - | s - s - | \$ - \$ - | 15% S | | 0.00% | | \$ 95 \$ - | \$ 51 \$. | \$ 30 \$ - | 59% 0% | \$ 81.04 \$ - |
| MED | Medical Board | 20.00 | - | ş - | š - | 15% | 1,630 | 0.07% | \$ 1,621 | \$ 1,895 | \$ 1,021 | \$ 600 | 59% | \$ 81.04 |
| MIH NUR | Commission on Minority Health Board of Nursing | 0.00 | \$ - | \$ - \$ - | \$ - \$ - | 15% S | | 0.00% | | \$ - | \$ - \$ - | \$ - c | 0% 0% | \$ - \$ - |
| OBM | Office of Budget & Management | 1.00 | \$- \$96 | s - | s - | 15% | | 0.00% | | | \$ 51 | \$ 30 | 59% | \$ 81.04 |
| occ | Office of Consumers' Counsel | 4.00 | \$ 383 | \$ 754 | \$ 128 | 15% \$ | | 0.01% | | \$ 401 | \$ 296 | \$ 48 | 16% | \$ 85.83 |
| OIC ODC | Industrial Commission Office of Disciplanary Counsel | 5.00 2.00 | | \$ 5,991 \$ - | \$ 1,019 | 15% 15% | 560 163 | 0.02% | \$ 557 \$ 162 | \$651 \$189 | \$ 1,436 \$ 102 | \$ (878) \$ 60 | -61% 59% | \$ 111.44 \$ 81.04 |
| OSB | Ohio State School for the Blind | 19.80 | \$ 1,898 | \$ 2,482 | \$ 422 | 15% | 1,677 | 0.07% | \$ 1,668 | \$ 1,950 | \$ 1,033 | \$ 634 | 61% | \$ 84.22 |
| OSD PRX | Ohio School for the Deaf Board of Pharmacy | 16.40 46.00 | | \$ 2,475 \$ - | \$ 421 \$ - | 15% 9 | | 0.06% | | | \$ 970 \$ 2,349 | \$ 421 \$ 1,379 | 43% 59% | \$ 84.87 \$ 81.04 |
| PSY | Board of Pharmacy Board of Psychology | 46.00 | | s - | s - | 15% | | 0.16% | | \$ 4,358 \$ - | \$ 2,349 \$ - | \$ 1,3/9 \$ - | 0% | \$ 81.04 \$ - |
| PUB | Public Defender Commission | 12.00 | \$ 1,150 | \$ - | \$ - | 15% | 978 | 0.04% | \$ 973 | | \$ 613 | \$ 360 | 59% | \$ 81.04 |
| PUC | Public Utilities Commission Public Works Commission | 54.00 0.00 | | \$ 138,136 \$ - | \$ 23,489 | 15% S | | 0.34% | | | \$ 13,514 | \$ (5,633) | -42% 0% | \$ 145.94 \$ - |
| PYT | Occupational and Physical Therapy Board | 0.00 | ş - | ş - | ş - | 15% | | 0.00% | s - : | | ş - | ş - | 0% | š - |
| RAC | Racing Commission | | | s - | s - | 15% | | 0.01% | | | \$ 153 | \$ 90 | 59% | \$ 81.04 |
| REP | Ohio House of Representatives Opportunities for Ohioans With Disabilities Agency | 3.00 204.10 | \$ 288 \$ 19.564 | \$ 2,312 \$ 62.646 | \$ 393 \$ 10.652 | 15% 25% | | 0.01% | | \$ 353 \$ 20.159 | \$ 346 \$ 13.563 | \$ (44) \$ 3.681 | -13% 27% | \$ 100.59 \$ 84.49 |
| SCR | Board of Career Colleges and Schools | 0.00 | ş - | \$ - | \$ - | 15% | - | 0.00% | s - | ş - | \$ - | s - | 0% | s - |
| SEN SFC | The Ohio Senate Ohio Facilities Construction Commission | 2.00 28.00 | \$ 192 \$ 2.684 | \$ - c . | \$ - c . | 15% 5 | | 0.01% | | \$ 189 \$ 2,653 | \$ 102 \$ 1,583 | \$ 60 \$ 687 | 59% 43% | \$ 81.04 \$ 81.04 |
| SHP | Ohio Speech and Hearing Professionals Board | 28.00 | ş - | s - s - | ş - | 15% | | 0.10% | | ş - | \$ 1,083 \$ - | \$ - | 0% | \$ - |
| SOA | Southern Ohio Agricultural & Community Development | 1.00 | \$ 96 | \$ - | s - | 15% | | | \$ 81 | \$ 95 | \$ 51 | \$ 30 | 59% | \$ 81.04 |
| SOS SPA | Ohio Secretary of State Ohio Commission on Hispanic/Latino Affairs | 2.00 | \$ 192 \$ - | s - s - | \$ - \$ - | 15% S | | 0.01% | \$ 162 \$ - | \$ 189 \$ - | \$ 102 \$ - | \$ 60 \$ - | 59% 0% | \$ 81.04 \$ - |
| TAX | Department of Taxation | 39.10 | | | \$ 4,961 | 15% | 3,930 | 0.17% | \$ 3,909 | | \$ 2,536 | \$ 1,373 | 54% | \$ 99.97 |
| TOS | Ohio Treasurer of State Petroleum UST Release Compensation Board | 3.00 | \$ 288 | \$ - \$ - | \$ - \$ - | 15% 5 | | 0.01% | | \$ 284 \$ - | \$ 153 \$ - | \$ 90 \$ - | 59% 0% | \$ 81.04 \$ - |
| VPB | Ohio Vision Professionals Board | 0.00 | ş - | š - | š - | 15% | | 0.00% | | š - | ŝ - | s - | 0% | š - |
| | Total | 24,488 | \$ 2,347,270 | \$ 13,804,146 | \$ 2,347,270 | ç | 2,359,780 | 100.00% | | \$ 2,744,065 \$ 112.06 | \$ 2,360,797 | \$ (13,527) | | \$ 95.85 |
| Notes | Average per Adjusted Vehicle Count | | | | | | | | \$ 95.85 | \$ 112.06 | | | | |

Average per Adjusted Venice Louin. Notes: (1) = Venicle Count & Relativity to Venicie Class 310 (2) = (1)/1 (7 table) '(6 Tadle 1 Chail from Enbild Auto-3 (3) incurred Loss developed, trended to 7/1/2020, and caped at \$250,000 (4) = (3)/(3 Tota) '(8 Tota); (8 Tota); trom Exhibit Auto-3

(5) Weights based on the size of the agency
(6) = (4) * (5) + (2) * (1 - (5))
(7) = (6) / (6 Total)
(8) = (7) x (8 Total); (8 Total) from Exhibit Auto-3

(9) = (7) x (9 Total); (9 Total) from Exhibit Auto-3 (10) Provided by ORM (11) =(8) - (10) (12) =(8) / (10) - 1 (13) =(8) / (1)

State of Ohio - Office of Risk Management Auto Liability As of March 31, 2020 Allocation of 7/1/20-21 Ultimate Loss & ALAE by Agency at ACE- S2M per Occurrence and Discounted (2.0%)

| | | | | | Premium E | | | | | | timate less Pr | | | | Rate per A | | | | |
|------------|--|----------------------------|-----------------------|-------------------------|------------------------------|--------------------------|---------------------------|---------------------|------------------|-------------------------|----------------------|--------------------------|---------|--------------------|--------------------------|------------|------------------|------------------|-------------|
| <u> </u> | | (1) | (2) | (3) Based on | (4) Based on | (5) | (6) Based on | (7) Based or | n Ba | (8) ised on | (9) | (10) Based on | В | (11) ased on | (12) Based on | | (13) | (14) Based o | |
| | | | Estimated Adjusted | Adjusted C Vehicle | Capped Trendec Ult. L&LAE | Based on 50/50 | Cred. Wtd. Ult. I & AF | Adjusted Vehicle | i Cappe | d Trendec | Based on 50/50 | Cred. Wtd. Ult 1 & AF | | djusted Vehicle | Capped Trend | | ased on 50/50 | Cred. Wt | |
| | | Prior | Vehicle | | FY 2010-2020 | | Y 2010-2020 | Count | | . L&LAE 010-2020 | | Y 2010-2020 | | | FY 2010-202 | | | FY 2010-2 | |
| Code | Agency Name Accountancy Board of Obio | Premium | Count 0.00 | Distribution | Distribution | Distribution | Distribution | Distributio | on Dist | tribution [| Distribution | Distribution | Dis | stribution | Distribution | n Dis | tribution | Distributi | on |
| ACC ADJ | | \$ - \$ 7,172 | 0.00 132.45 | \$ - \$ 12,071 | \$ - 5 \$ 1,591 5 | 5 - \$ 6,831 | \$ - \$ 9,402 | \$ 4,8 | 99 \$ | (5,582) \$ | (341) | \$ 2,229 | s | 91.14 | \$ 12.0 | 1\$ | 51.58 | \$ 70 | .98 |
| AGE | | \$ 51 | 1.00 | | \$ - 5 | | \$ 77 | | 40 \$ | (51) \$ | (5) | \$ 26 | s | 91.14 | | \$ | 45.57 | \$ 77 | |
| AGO AGR | | \$ 50,984 \$ 43,939 | 427.40 315.75 | + | \$ 68,805 5 \$ 55,427 5 | | \$ 49,140 \$ 37,904 | | 30) \$ 61) \$ | 17,822 \$ 11,488 \$ | -, | \$ (1,843) \$ (6,035) | \$ S | 91.14 91.14 | \$ 160.99 \$ 175.54 | | 126.06 133.34 | \$ 114 \$ 120 | |
| ARC | Board of Examiners of Architects | \$ - | 0.00 | \$ - | \$ - 5 | \$ - | \$ - | \$ (13,1 | 51) V | 11,400 \$ | (1,000) | \$ (0,033) | ~ | 21.14 | \$ 115.5 | • • | 155.54 | ÷ 120 | 0.4 |
| ART ATH | The Ohio Arts Council Ohio Athletic Commission | \$ - c | 0.00 | \$ - c | \$ - 5 | ş - | ş - | | | | | | | | | | | | |
| AUD | Auditor of State | \$ 523 | 9.00 | \$ 820 | \$ 212 5 | \$ 516 | \$ 725 | \$ 2 | 97 \$ | (311) \$ | (7) | \$ 202 | s | 91.14 | \$ 23.52 | 2 \$ | 57.33 | \$ 80 | .57 |
| ETC | Broadcast Educational Media Commission | \$ 51 | 1.00 | | \$ - 5 | | \$ 77 | \$ | 40 \$ | (51) \$ | (5) | \$ 26 | s | 91.14 | \$ - | ş | 45.57 | \$ 77 | .06 |
| BOR BTA | Department of Higher Education Board of Tax Appeals | \$ 51 \$ - | 1.00 | \$ 91 \$ - | \$ - 5 5 - 5 | \$46 \$- | \$ 77 \$ - | \$ | 40 \$ | (51) \$ | (5) | \$ 26 | \$ | 91.14 | ş - | \$ | 45.57 | \$ 77. | 06 |
| BWC | Bureau of Workers Compensation | \$ 28,173 | 320.10 | | \$ 21,266 | | \$ 26,267 | \$ 1,0 | | (6,907) \$ | (2,953) | | \$ | 91.14 | \$ 66.4 | | 78.79 | \$ 82 | |
| CAC CDP | | \$ 833 \$ - | 15.00 0.00 | , | \$ 105 5 | | \$ 1,172 \$ - | \$ 5 | 35 \$ | (728) \$ | (96) | \$ 339 | \$ | 91.14 | \$ 7.00 | 5 | 49.07 | \$ 78 | 11 |
| CHR | | ş - | 0.00 | T | \$ - 5 | , \$- | ş - | | | | | | | | | | | | |
| CIV | | \$ 357 | 7.00 | | \$ - 5 | | \$ 539 | | B1 \$ | (357) \$ | (38) | | \$ | 91.14 91.14 | s - | \$ | 45.57 | \$ 77 | |
| CLA COM | | \$ 51 \$ 34,572 | 1.00 410.15 | | \$ - 5 \$ 21.353 5 | | \$ 77 \$ 31,604 | \$ 2.8 | 40 \$ 09 \$ | (51) \$ (13,219) \$ | | \$ 26 \$ (2,968) | \$ S | 91.14 91.14 | \$ 52.0 | 5 5 | 45.57 71.60 | \$ 77. \$ 77. | |
| COS | State Cosmetology and Barber Board | \$ 6,047 | 18.00 | | \$ 12,822 | | \$ 3,300 | | 06)\$ | 6,775 \$ | 1,184 | \$ (2,747) | ŝ | 91.14 | \$ 712.3 | | 401.73 | \$ 183 | |
| CRB CSR | Motor Vehicle Collision Repair Board Capitol Square Review & Advisory Board | \$ 102 \$ 602 | 2.00 10.80 | \$ 182 \$ 984 | \$ - 5 \$ 100 5 | \$ 91 \$ 542 | \$ 154 \$ 847 | | BO \$ B2 \$ | (102) \$ (502) \$ | (11) (60) | \$ 52 \$ 245 | Ş | 91.14 91.14 | \$ - \$ 9.2 | \$ 2 \$ | 45.57 50.19 | \$ 77. \$ 78. | |
| CSV | Commission on Service & Volunteerism | s - | 0.00 | \$ - | \$ - 5 | ş . | s - | | • | (502/ 5 | (00) | 2.45 | Ť | 21.14 | ÷ 9.2. | | 50.25 | + 10 | |
| CSW DAS | | \$ - \$ 7.205 | 0.00 | \$ - \$ 9.141 | \$ - 5 \$ 5,104 | Ŷ | \$ - \$ 8.089 | \$ 1.9 | 37 Č | (2.100) | (82) | \$ 885 | ~ | 01.14 | \$ 50.8 | | 71.01 | \$ 80 | 65 |
| DAS DEN | | \$ 7,205 \$ 204 | 100.30 4.00 | | \$ 5,104 S \$ 421 S | | \$ 8,089 \$ 371 | | 37 Ş 60 Ş | (2,100) \$ 217 \$ | (82) 189 | \$ 885 \$ 167 | \$ | 91.14 91.14 | \$ 50.89 \$ 105.39 | | 71.01 98.24 | \$ 80 \$ 92 | |
| DEV | | \$ 780 | 13.00 | | \$ 800 | | \$ 1,121 | | 05 \$ | 20 \$ | 212 | \$ 341 | s | 91.14 | \$ 61.52 | 2\$ | 76.33 | \$ 86 | |
| DMH DMR | bepartment of mental meaning Addiction ber need | \$ 14,527 \$ 26,020 | 185.35 319.25 | \$ 10,075 | \$ 8,785 5 \$ 24,804 5 | | \$ 14,787 \$ 27,448 | \$ 2,3 \$ 3.0 | | (5,743) \$ | (1,689) 930 | \$ 260 \$ 1.428 | \$ ¢ | 91.14 91.14 | \$ 47.39 | | 69.27 84.42 | \$ 79 \$ 85 | |
| DNR | | \$ 251,357 | 3,719.20 | \$ 338,968 | \$ 138,023 5 | \$ 238,495 | \$ 187,264 | | 10 \$ (1 | | (12,862) | \$ (64,094) | ŝ | 91.14 | \$ 37.1 | | 64.13 | \$ 50 | |
| DOH DOT | Department of Health Department of Transportation | \$ 13,257 \$ 1.068,220 | 191.20 10.053.40 | \$ 17,426 \$ 916.267 | \$ 14,417 5 \$ 1.022.278 | \$ 15,922 \$ 969,273 | \$ 16,586 \$ 990,504 | \$ 4,1 \$ (151.9 | | 1,161 \$ (45,941) \$ | 2,665 | \$ 3,329 \$ (77,715) | Ş | 91.14 91.14 | \$ 75.40 \$ 101.60 | | 83.27 96.41 | \$ 86 \$ 98 | |
| DPS | | \$ 1,068,220 \$ 505,687 | 5,048.85 | \$ 460,152 | \$ 505,278 | \$ 969,273 \$ 482,715 | \$ 990,504 \$ 491,382 | \$ (45,5 | | (45,941) \$ | (98,947) (22,972) | | ş | 91.14 91.14 | \$ 100.00 | | 96.41 95.61 | \$ 98 | |
| DRC | Department of Rehabilitation & Correction | \$ 174,449 | 1,732.25 | \$ 157,877 | \$ 229,990 | \$ 193,934 | \$ 210,840 | \$ (16,5 | | 55,542 \$ | 19,485 | \$ 36,391 | ŝ | 91.14 | \$ 132.7 | | 111.95 | \$ 121 | 71 |
| DVM DVS | Veterinary Medical Board Department of Veterans Services | \$ - \$ 5.408 | 0.00 51.85 | \$ - \$ 4.726 | \$ - 5 \$ 5.066 | 5 - 5 4.896 | s - s 4.751 | \$ (6 | B3) \$ | (343) \$ | (513) | \$ (657) | ¢ | 91.14 | \$ 97.70 | 5 | 94.42 | \$ 91 | 64 |
| DYS | Department of Youth Services | \$ 16,082 | 170.50 | \$ 15,539 | \$ 12,937 5 | \$ 14,238 | \$ 14,810 | | 43) \$ | (3,145) \$ | (1,844) | | ŝ | 91.14 | | | 83.51 | \$ 86 | |
| EBR FDU | Environmental Board of Review Department of Education | \$ - \$ 1,792 | 0.00 | \$ - \$ 1,276 | \$ - 5 \$ 2,188 5 | \$- \$1,732 | \$ - \$ 1,405 | \$ (5 | 16) \$ | 396 \$ | (60) | \$ (386) | s | 91.14 | \$ 156.20 | | 123.70 | \$ 100 | 20 |
| ELC | Ohio Elections Commission | \$ 1,792 \$ - | 0.00 | \$ 1,276 \$ - | \$ 2,188 3 | \$ 1,732 \$ - | \$ 1,405 \$ - | \$ (5 | 16) \$ | 396 \$ | (60) | \$ (386) | \$ | 91.14 | \$ 156.20 | s Ş | 123.70 | \$ 100 | 38 |
| ENG | | ş - | 0.00 | ş - | \$ - 5 | ş - | s - | | | | | | | | | | | | |
| EPA FRB | | \$ 18,107 \$ 130 | 246.30 2.00 | | \$ 5,412 S | | \$ 18,093 \$ 162 | \$ 4,3 \$ | 41 \$ 52 \$ | (12,695) \$ (76) \$ | (4,177) | | s | 91.14 91.14 | | | 56.56 59.15 | \$ 73 \$ 81 | |
| ETH | Ethics Commission | \$ 260 | 3.00 | | \$ 109 5 | | \$ 247 | | 13 \$ | (151) \$ | (69) | | ŝ | 91.14 | | 2\$ | 63.68 | \$ 82 | |
| EXP FUN | Ohio Expositions Commission Board of Embalmers and Funeral Directors | \$ 7,192 \$ 102 | 119.10 2.00 | | \$ 851 S | | \$ 8,310 \$ 154 | \$ 3,6 | 63 \$ BO \$ | (6,341) \$ (102) \$ | (1,339) | \$ 1,118 \$ 52 | Ş | 91.14 91.14 | \$ 7.14 | 4 \$ | 49.14 45.57 | \$ 69 \$ 77 | |
| GOV | Office of the Governor | \$ - | 0.00 | \$ 102 | · · · | \$ 91 | \$ 134 | э . | 50 \$ | (102) \$ | (11) | \$ 52 | ç | 91.14 | \$ · | ÷ | 40.07 | ə 11. | 00 |
| HFA | Ohio Housing Finance Agency | \$ 868 | 16.00 | | \$ - 5 | | \$ 1,233 | | 90 \$ | (868) \$ | (139) | \$ 365 | s | 91.14 | ş - | \$ | 45.57 | \$ 77 | |
| IGO INS | Office of the Inspector General Department of Insurance | \$ 5,027 \$ 1,744 | 3.00 13.00 | \$ 273 \$ 1,185 | \$ 9,428 5 \$ 2,103 5 | | \$ 1,638 \$ 1,316 | | 54)\$ 59)\$ | 4,401 \$ 360 \$ | (177) (100) | \$ (3,389) \$ (428) | \$ s | 91.14 91.14 | \$ 3,142.60 \$ 161.79 | | 1,616.87 126.46 | \$ 545 \$ 101 | |
| JCO | Judicial Conference of Ohio | \$ - | 0.00 | \$ - | \$ - 5 | \$ - | \$ - | * | | | (200) | • • • • • • | | | | | | | |
| JCR JEO | Joint Committee on Agency Rule Joint Education Oversight Committee | \$ - \$ - | 0.00 | \$ - c . | \$ - 5 5 - 5 | \$ - c _ | \$ - c . | | | | | | | | | | | | |
| JFS | | \$ 13,112 | 158.75 | \$ 14,468 | \$ 11,033 5 | \$ 12,751 | \$ 13,538 | \$ 1,3 | 57 \$ | (2,079) \$ | (361) | \$ 426 | \$ | 91.14 | \$ 69.50 | 5 (| 80.32 | \$ 85 | .28 |
| JLE | Joint Legislative Ethics Commission | s - | 0.00 | ş - | \$ - 5 | Ŷ | s - | | | | | | | | | | | | |
| JMO JSC | | \$ - \$ 378 | 0.00 7.40 | \$ - \$ 674 | s - s | | \$ - \$ 570 | \$ Z | 97 Ŝ | (378) \$ | (41) | \$ 192 | s | 91.14 | s - | s | 45.57 | \$ 77 | 06 |
| LCO | Liquor Control Commission | \$ - | 0.00 | \$ - | \$ - 9 | \$ - | \$ - | - | | | (, | | | | • | | | | |
| LEC LIB | Lake Erie Commission State Library Board | \$ - \$ 306 | 0.00 6.00 | \$ - \$ 547 | \$ - 5 \$ - 5 | | \$ - \$ 462 | \$ 2 | 41 S | (306) \$ | (33) | \$ 156 | s | 91.14 | s . | \$ | 45 57 | \$ 77 | 06 |
| LOT | Ohio Lottery Commission | \$ 15,051 | 170.30 | \$ 15,521 | \$ 11,715 5 | \$ 13,618 | \$ 14,493 | \$ 4 | 70 \$ | (3,337) \$ | (1,433) | \$ (559) | ş | 91.14 | \$ 68.7 | ə Ş | 45.57 | \$ 85 | .10 |
| LSC | Legislative Service Commission | \$ 51 | 1.00 | \$ 91 | \$ - <u>\$</u> | \$ 46 | \$ 77 | \$ | 40 \$ | (51) \$ | (5) | \$ 26 | \$ | 91.14 | \$ - | \$ | 45.57 | \$ 77 | 06 |
| MCD MED | Department of Medicaid Medical Board | \$ - \$ 1,021 | 0.00 20.00 | \$ - \$ 1,823 | s - 5 | 5 - 5 911 | \$ 1,541 | \$ 8 | 02 \$ | (1,021) \$ | (110) | \$ 520 | s | 91.14 | s - | S | 45.57 | \$ 77. | .06 |
| MIH | Commission on Minority Health | \$ - | 0.00 | ş - | s | s - | s - | | | | () | | ľ | | | | | | |
| NUR OBM | Board of Nursing Office of Budget & Management | \$ - \$ 51 | 0.00 | \$- \$91 | \$ - 5 5 - 5 | | \$ - \$ 77 | \$ | 40 S | (51) \$ | (5) | \$ 26 | s | 91.14 | s . | \$ | 45.57 | \$ 77 | 06 |
| OCC | | \$ 296 | 4.00 | + | \$ 122 5 | | \$ 326 | | 40 \$ 69 \$ | (174) \$ | | \$ 26 \$ 31 | ş | 91.14 91.14 | \$ 30.4 | \$ 3\$ | 45.57 | \$ 81 | |
| OIC | Industrial Commission | \$ 1,436 | 5.00 | ÷ +50 | \$ 969 5 | | \$ 530 | | BO) \$ | (467) \$ | | \$ (906) | s | 91.14 | \$ 193.72 | | 142.43 | \$ 105 | |
| ODC OSB | | \$ 102 \$ 1.033 | 2.00 19.80 | | \$ - 5 \$ 401 5 | | \$ 154 \$ 1.586 | | BO\$ 71\$ | (102) \$ (632) \$ | | \$ 52 \$ 552 | ş | 91.14 91.14 | \$ 20.2 | \$ 7 \$ | 45.57 55.70 | \$ 77. \$ 80. | |
| OSD | Ohio School for the Deaf | \$ 970 | 16.40 | \$ 1,495 | \$ 400 5 | \$ 947 | \$ 1,324 | \$ 5 | 24 \$ | (570) \$ | (23) | \$ 353 | ŝ | 91.14 | \$ 24.40 | | 57.77 | \$ 80 | .70 |
| PRX PSY | Board of Pharmacy Board of Psychology | \$ 2,349 | 46.00 0.00 | \$ 4,192 | \$ - 5 c | \$ 2,096 | \$ 3,545 | \$ 1,8 | 44 \$ | (2,349) \$ | (252) | \$ 1,196 | \$ | 91.14 | \$ - | \$ | 45.57 | \$ 77 | 06 |
| PUB | | \$ 613 | 12.00 | \$ 1,094 | \$ - 5 | \$- \$547 | \$ 925 | \$ 4 | B1 \$ | (613) \$ | (66) | \$ 312 | s | 91.14 | s - | \$ | 45.57 | \$ 77 | .06 |
| PUC | Public Utilities Commission | \$ 13,514 | 54.00 | \$ 4,922 | \$ 22,334 | | \$ 7,494 | \$ (8,5 | | 8,821 \$ | 114 | \$ (6,020) | \$ | 91.14 | \$ 413.60 | o ŝ | 252.37 | \$ 138 | |
| PWC PYT | Public Works Commission Occupational and Physical Therapy Board | ş - s - | 0.00 | s - s - | \$ - 5 \$ - 6 | 5 - 5 - | ş - ş - | | | | | | | | | | | | |
| RAC | Racing Commission | \$ 153 | 3.00 | | \$ - 5 | | \$ 231 | | 20 \$ | (153) \$ | (16) | | \$ | 91.14 | s - | \$ | 45.57 | \$ 77 | |
| REP | Ohio House of Representatives Opportunities for Ohioans With Disabilities Agency | \$ 346 \$ 13.563 | 3.00 204.10 | | \$ 374 5 \$ 10.129 5 | | \$ 287 \$ 16.397 | \$ (| 72) \$ 39 \$ | 28 \$ | (22) 802 | \$ (59) \$ 2.834 | Ş | 91.14 91.14 | \$ 124.60 \$ 49.6 | | 107.87 70.38 | \$ 95 \$ 80 | |
| RSC SCR | Opportunities for Ohioans With Disabilities Agency Board of Career Colleges and Schools | \$ 13,563 \$ - | 204.10 0.00 | \$ 18,602 \$ - | \$ 10,129 5 | ə 14,365 Ş - | ş тв,397 Ş | \$ 5,0 | 24 2 | (3,434) \$ | 802 | \$ 2,834 | \$ | 91.14 | ə 49.6. | 5 | 70.38 | ə 80 | 34 |
| SEN | The Ohio Senate | \$ 102 | 2.00 | + | \$ - S | | \$ 154 | | BO \$ | (102) \$ | (11) | | s | 91.14 | s - | \$ | 45.57 | | .06 |
| SFC SHP | Ohio Facilities Construction Commission Ohio Speech and Hearing Professionals Board | \$ 1,583 | 28.00 0.00 | \$ 2,552 | \$ - 5 5 - 5 | | \$ 2,158 \$ - | \$ 9 | 69 \$ | (1,583) \$ | (307) | \$ 575 | \$ | 91.14 | \$ - | \$ | 45.57 | \$ 77 | 06 |
| SOA | | \$ - \$ 51 | 1.00 | \$ - \$ 91 | \$ - 5 | • \$ 46 | \$ - \$ 77 | | 40 \$ | (51) \$ | (5) | \$ 26 | s | 91.14 | s - | \$ | 45.57 | \$ 77 | .06 |
| SOS | Ohio Secretary of State | \$ 102 | 2.00 | \$ 182 | \$ - 5 | | \$ 154 | | BO \$ | (102) \$ | (11) | \$ 52 | \$ | 91.14 | s - | \$ | 45.57 | \$ 77 | |
| SPA TAX | Ohio Commission on Hispanic/Latino Affairs Department of Taxation | \$ - \$ 2.536 | 0.00 39.10 | \$ - \$ 3.564 | \$ - 9 \$ 4,717 | \$- \$4.140 | \$ - \$ 3.717 | \$ 1.0 | 28 Ś | 2.181 \$ | 1.604 | \$ 1.181 | s | 91.14 | \$ 120.64 | 4 5 | 105.89 | \$ 95 | 06 |
| TOS | Ohio Treasurer of State | \$ 153 | 3.00 | | \$ - 9 | \$ 137 | \$ 231 | | 20 \$ | (153) \$ | (16) | \$ 78 | ŝ | 91.14 | \$ - | \$ | 45.57 | \$ 77. | |
| UST | | \$ - c | 0.00 | \$ - c | \$ - 5 c . c | ş - | s - | | | | | | | | | | | | |
| 4PB | | \$ 2,360,797 | 24,488.05 | \$ 2,347,270 | \$ 2,347,270 | \$ 2,347,270 | \$ 2,347,270 | \$ (128,9 | 56)\$(1 | 128,875) \$ | (128,915) | \$ (128,875) | \$ | 95.85 | \$ 95.8 | 5\$ | 95.85 | \$ 95 | .85 |
| VPB | Ohio Vision Professionals Board Total | \$ 2,360,797 | | \$ 2,347,270 | \$ 2,347,270 | \$ 2,347,270 | \$ 2,347,270 | \$ (128,9 | 56)\$(1 | 128,875) \$ | (128,915) | \$ (128,875) | s | 95.85 | \$ 95.8 | 5\$ | 95.85 | \$ | 9 5. |

Abtes:
 (1) Provided by Client
 (2) = Vehicle Count Relativity to Vehicle Class 310
 (3) Based on Allocation from Exhibit Auto Premium Allocation:2
 (4) Based on Allocation from Exhibit Auto Premium Allocation:2

(5) Based on Allocation from Exhibit Auto Premium Allocation-2
(6) Based on Allocation from Exhibit Auto Premium Allocation-2
(7) = (3) · (1)
(8) = (4) · (1)

(9) =(5)-(1) (10) =(6)-(1) (11) =(3)/(2) (12) =(4)/(2)

(13) =(5)/(2) (14) =(6)/(2) (15) Prior year analysis (16) Prior year analysis

State of Ohio - Office of Risk Management Auto Liability As of March 31, 2020 Allocation of 7/1/20-21 Ultimate Loss & ALAE by Agency at ACE- Discounted (2.0%) - Scenario 1: 50/50 Weight

| | | (1) | (2) Estimate Using | (3) | (4) Estimate Using | (5) | (6) | (7) | (8) 7/1/20-21 | (9) | (10) | (11) | (12) |
|-------------|---|---------------------|------------------------------|-----------------------|--|-------------------------|-----------------------|---|---|-------------------------|-------------------------|-------------------------|-----------------------|
| c | A 11 | Adjusted Vehicle | Adjusted Vehicle Count | Trended Ult. L&LAE | Capped Trended Ult. L&LAE FY 2010-2020 | Experience Weighting | Selected Claims | Ultimate Losses & LAE \$2,000,000 | Ultimate Losses & LAE \$5,000,000 | Prior | Change in | Percentage Change in | Cost per |
| Code ACC | Agency Name Accountancy Board of Ohio | Count 0.00 | | FY 2010-2020 \$- | Distribution \$ - | Factor 50% | Distribution 0.00% | per Occurrence \$ - | \$ - | Premium \$ - | Premium \$ - | Premium 0% | Vehicle \$ - |
| DJ | Adjutant General | | | | \$ 1,591 | 50% | 0.31% | | \$ 7,986 | \$ 7,172 | \$ (341) | | \$ 51.58 |
| AGE AGO | Department of Aging Office of the Attorney General | | | | \$ - \$ 68,805 | 50% 50% | 0.00% | \$ 46 \$ 53,879 | \$ 53 \$ 62,987 | \$ 51 \$ 50.984 | \$ (5) \$ 2,896 | -11% 6% | \$ 45.57 \$ 126.06 |
| GR | Department of Agriculture | | | | \$ 55,427 | 50% | | | \$ 49,220 | \$ 43,939 | \$ (1,836) | -4% | \$ 133.34 |
| RC | Board of Examiners of Architects | | | | s - | 50% | | ş - | \$ - | s - | s - | | ş - |
| ART ATH | The Ohio Arts Council Ohio Athletic Commission | | | | \$- \$- | 50% 50% | 0.00% | | \$ - \$ - | \$ - \$ - | \$ - \$ - | | s - s - |
| UD | Auditor of State | | | | \$ 212 | 50% | 0.02% | | \$ 603 | \$ 523 | \$ (7) | -1% | \$ 57.33 |
| TC | Broadcast Educational Media Commission | | | s - | s - | 50% | 0.00% | | \$ 53 | \$ 51 | \$ (5) | | \$ 45.57 |
| BOR | Department of Higher Education Board of Tax Appeals | | | * | \$ - \$ - | 50% 50% | 0.00% | | \$ 53 \$ - | \$ 51 \$ - | \$ (5) \$ - | | \$ 45.57 \$ - |
| BWC | Bureau of Workers Compensation | | | \$ 131,527 | \$ 21,266 | 50% | | | \$ 29,483 | \$ 28,173 | \$ (2,953) | | \$ 78.79 |
| CAC | Casino Control Commission | | | | \$ 105 | 50% | | \$ 736 | \$ 860 | \$ 833 | \$ (96) | -12% | \$ 49.07 |
| DP HR | Chemical Dependency Professionals Board Board of Chiropractic Examiners | | | * | \$ - \$ - | 50% 50% | 0.00% | | s - s - | \$ - \$ - | \$ - \$ - | 0% 0% | s - s - |
| CIV | Civil Rights Commission | | | s - | s - | 50% | 0.01% | | \$ 373 | \$ 357 | \$ (38) | -11% | \$ 45.5 |
| CLA | Ohio Court of Claims | 1.00 | \$ 91 | s - | s - | 50% | 0.00% | | \$ 53 | \$ 51 | \$ (5) | -11% | \$ 45.57 |
| :OM | Department of Commerce | | | | \$ 21,353 | 50% | 1.32% | | \$ 34,331 | \$ 34,572 | \$ (5,205) | | \$ 71.6 |
| COS CRB | State Cosmetology and Barber Board Motor Vehicle Collision Repair Board | | | \$ 79,302 \$ - | \$ 12,822 | 50% 50% | 0.32% | \$ 7,231 \$ 91 | \$ 8,454 \$ 107 | \$ 6,047 \$ 102 | \$ 1,184 \$ (11) | | \$ 401.73 \$ 45.57 |
| SR | Capitol Square Review & Advisory Board | | | | \$ 100 | 50% | | | \$ 634 | \$ 602 | \$ (60) | -10% | \$ 50.19 |
| SV | Commission on Service & Volunteerism | | | | s - | 50% | 0.00% | \$ - | s - | s - | s - | 0% | ş - |
| SW | Counselors & Social Workers Board | | | | \$ - C E 104 | 50% | 0.00% | | \$ - | \$ - C 7.005 | \$ - | | \$ - |
| DAS DEN | Department of Administrative Services Dental Board | | | | \$ 5,104 \$ 421 | 50% 50% | 0.32% | | \$ 8,327 \$ 459 | \$ 7,205 \$ 204 | \$ (82) \$ 189 | -1% 92% | \$ 71.0 \$ 98.2 |
| DEV | Development Services Agency | | | | \$ 800 | 50% | 0.02% | | \$ 1,160 | \$ 204 \$ 780 | \$ 212 | | \$ 76.3 |
| мн | Department of Mental Health & Addiction Services | 185.35 | \$ 16,893 | \$ 54,332 | \$ 8,785 | 50% | 0.58% | \$ 12,839 | \$ 15,009 | \$ 14,527 | \$ (1,689) | -12% | \$ 69.2 |
| MR | Department of Developmental Disabilities | | | \$ 153,408 | \$ 24,804 | 50% | | | \$ 31,506 | \$ 26,020 | \$ 930 | 4% | \$ 84.42 |
| ONR OOH | Department of Natural Resources Department of Health | ., | | | \$ 138,023 \$ 14,417 | 50% 50% | 10.69% 0.71% | | \$ 278,812 \$ 18,613 | \$ 251,357 \$ 13,257 | \$ (12,862) \$ 2,665 | -5% 20% | \$ 64.11 \$ 83.2 |
| DOH | Department of Transportation | | | | \$ 1,022,278 | 50% | 43.43% | | \$ 18,613 \$ 1,133,124 | \$ 1,068,220 | \$ (98,947) | | \$ 96.43 |
| PS | Department of Public Safety | 5,048.85 | | | \$ 505,278 | 50% | 21.63% | | \$ 564,316 | \$ 505,687 | \$ (22,972) | | \$ 95.63 |
| RC | Department of Rehabilitation & Correction | | | | \$ 229,990 | 50% | 8.69% | | \$ 226,717 | \$ 174,449 | \$ 19,485 | | \$ 111.95 |
| OVM OVS | Veterinary Medical Board Department of Veterans Services | | | \$ - \$ 31,330 | \$ - \$ 5.066 | 50% 50% | 0.00% | | \$ - \$ 5,723 | \$ - \$ 5.408 | \$ - \$ (513) | 0% -9% | \$ - \$ 94.42 |
| DYS DYS | Department of Youth Services | | | | \$ 12,937 | 50% | 0.22% | | \$ 5,723 \$ 16,645 | \$ 5,408 \$ 16,082 | \$ (1,844) | | \$ 94.42 |
| BR | Environmental Board of Review | 0.00 | | s - | s - | 50% | 0.00% | s - | s - | s - | s - | O% | ş - |
| DU | Department of Education | | | | \$ 2,188 | 50% | | \$ 1,732 | \$ 2,025 | \$ 1,792 | \$ (60) | -3% | \$ 123.70 |
| LC | Ohio Elections Commission | | | | s - | 50% 50% | 0.00% | | s - s - | \$ - \$ - | s - | 0% 0% | ş - |
| PA | Engineers & Surveyors Board Environmental Protection Agency | | | | \$ - \$ 5,412 | 50% | | | \$ 16,285 | \$ 18,107 | \$. \$ (4,177) | | \$ - \$ 56.56 |
| RB | Employee Relations Board | | | | \$ 54 | 50% | 0.01% | | \$ 138 | \$ 130 | \$ (12) | -9% | \$ 59.15 |
| TH | Ethics Commission | | | | \$ 109 | 50% | 0.01% | | \$ 223 | \$ 260 | \$ (69) | | \$ 63.68 |
| XP UN | Ohio Expositions Commission | | | \$ 5,262 \$ - | \$ 851 \$ - | 50% 50% | 0.26% | \$ 5,853 \$ 91 | \$ 6,842 | \$ 7,192 \$ 102 | \$ (1,339) | | \$ 49.14 |
| SOV | Board of Embalmers and Funeral Directors Office of the Governor | | | s - | s · | 50% | | \$ - \$ - | \$ 107 \$ - | \$ 102 \$ - | \$ (11) \$ · | -11% 0% | \$ 45.57 \$ - |
| IFA | Ohio Housing Finance Agency | | | ş - | š - | 50% | | | \$ 852 | \$ 868 | \$ (139) | | \$ 45.57 |
| GO | Office of the Inspector General | | | | \$ 9,428 | 50% | | | \$ 5,671 | \$ 5,027 | \$ (177) | -4% | \$ 1,616.8 |
| NS | Department of Insurance | | | | \$ 2,103 | 50% | 0.07% | | \$ 1,922 | \$ 1,744 | \$ (100) | | \$ 126.46 |
| ICO ICR | Judicial Conference of Ohio Joint Committee on Agency Rule | | | | \$ - \$ - | 50% 50% | 0.00% | | s - s - | \$ - \$ - | s - | | s - s - |
| IEO | Joint Education Oversight Committee | 0.00 | s - | s - | s - | 50% | 0.00% | s - | s - | s - | s - | 0% | s - |
| IFS | Department of Job and Family Services | | | | \$ 11,033 | 50% | | \$ 12,751 | \$ 14,906 | \$ 13,112 | \$ (361) | | \$ 80.32 |
| ILE IMO | Joint Legislative Ethics Commission | | | s - s - | \$ - \$ - | 50% 50% | | \$ - \$ - | s - s - | \$ - \$ - | s - s - | 0% 0% | \$ - \$ - |
| ISC | Joint Medicaid Oversight Committee Judiciary/Supreme Court | | | | s - | 50% | 0.02% | | \$ 394 | \$ 378 | \$ (41) | | \$ 45.57 |
| .co | Liquor Control Commission | 0.00 | | \$ - | s - | 50% | 0.00% | | \$ - | \$ - | ş - | | \$ - |
| EC. | Lake Erie Commission | | | s - | s - | 50% | 0.00% | | s - | s - | s - | O% | ş - |
| .IB .OT | State Library Board | | \$ 547 \$ 15.521 | \$ - | \$ - \$ 11.715 | 50% 50% | 0.01% | | \$ 320 \$ 15.920 | \$ 306 | \$ (33) | | \$ 45.5 \$ 79.9 |
| .01 .SC | Ohio Lottery Commission Legislative Service Commission | | | \$ 72,453 \$ - | \$ 11,715 \$ - | 50% | 0.61% | | \$ 15,920 \$ 53 | \$ 15,051 \$ 51 | \$ (1,433) \$ (5) | | \$ 79.90 \$ 45.5 |
| ACD | Department of Medicaid | 0.00 | s - | \$ - | \$ - | 50% | 0.00% | ş - | s - | s - | s - | O% | s - |
| /ED | Medical Board | | | s - | s - | 50% | | \$ 911 | \$ 1,065 | \$ 1,021 | \$ (110) | -11% | \$ 45.5 |
| /IH IUR | Commission on Minority Health Board of Nursing | | * | * | \$ - \$ - | 50% 50% | | \$ - \$ - | s - s - | \$ - \$ - | \$ - \$ - | 0% 0% | s - s - |
| DBM | Office of Budget & Management | | | s - s - | s - | 50% | | + | \$ 53 | \$ 51 | \$ (5) | -11% | \$ 45.5 |
| DCC | Office of Consumers' Counsel | 4.00 | \$ 365 | \$ 754 | \$ 122 | 50% | 0.01% | \$ 243 | \$ 284 | \$ 296 | \$ (52) | -18% | \$ 60.8 |
| DIC | Industrial Commission | | | * ***** | \$ 969 | 50% | 0.03% | | \$ 833 | \$ 1,436 | \$ (723) | -50% | \$ 142.4 |
| DDC DSB | Office of Disciplanary Counsel Ohio State School for the Blind | | | \$ - \$ 2.482 | \$ - \$ 401 | 50% 50% | 0.00% | \$ 91 \$ 1.103 | \$ 107 \$ 1,289 | \$ 102 \$ 1,033 | \$ (11) \$ 70 | -11% 7% | \$ 45.5 \$ 55.70 |
|)SD | Ohio School for the Deaf | | | | \$ 401 | 50% | | | \$ 1,289 | \$ 1,033 \$ 970 | \$ (23) | -2% | \$ 57.7 |
| RX | Board of Pharmacy | 46.00 | \$ 4,192 | ş - | s - | 50% | 0.09% | \$ 2,096 | \$ 2,451 | \$ 2,349 | \$ (252) | -11% | \$ 45.5 |
| SY | Board of Psychology | 0.00 | s - | | s - | 50% | 0.00% | \$ - | s - | s - | s - | 0% | s - |
| PUB PUC | Public Defender Commission Public Utilities Commission | | \$ 1,094 \$ 4,922 | | \$ - \$ 22,334 | 50% 50% | 0.02% 0.61% | | \$ 639 \$ 15,932 | \$ 613 \$ 13,514 | \$ (66) \$ 114 | | \$ 45.5 \$ 252.3 |
| PWC | Public Vorks Commission | | | | \$ 22,334 \$ - | 50% | 0.00% | | \$ 15,932 \$ - | \$ 13,514 \$ - | \$ 114 \$ - | | \$ 252.3 |
| PYT | Occupational and Physical Therapy Board | 0.00 | s - | | s - | 50% | 0.00% | s - | s - | s - | s - | 0% | s - |
| AC | Racing Commission | | | \$ - | s - | 50% | 0.01% | | \$ 160 | \$ 153 | \$ (16) | | \$ 45.5 |
| REP | Ohio House of Representatives Opportunities for Ohioans With Disabilities Agency | | | | \$ 374 \$ 10,129 | 50% 50% | 0.01% | | \$ 378 \$ 16,794 | \$ 346 \$ 13,563 | \$ (22) \$ 802 | | \$ 107.8 \$ 70.3 |
| GCR | Board of Career Colleges and Schools | | | | \$ 10,129 | 50% | 0.64% | | \$ 16,794 \$ - | \$ 13,563 \$ - | \$ - | | \$ 70.3 |
| EN | The Ohio Senate | 2.00 | \$ 182 | ş - | ş - | 50% | 0.00% | \$ 91 | \$ 107 | \$ 102 | \$ (11) | -11% | \$ 45.5 |
| FC | Ohio Facilities Construction Commission | | | s - | ş - | 50% | 0.06% | | \$ 1,492 | \$ 1,583 | \$ (307) | -19% | \$ 45.5 |
| HP | Ohio Speech and Hearing Professionals Board | 0.00 | | \$ - c . | \$ - c . | 50% 50% | 0.00% | | \$. | \$ - \$ 51 | \$ · | | \$ - ¢ 455 |
| SOA SOS | Southern Ohio Agricultural & Community Development Ohio Secretary of State | | * ** | * | \$ - \$ - | 50% 50% | 0.00% | | | \$ 51 \$ 102 | \$ (5) \$ (11) | | \$ 45.5 \$ 45.5 |
| PA | Ohio Commission on Hispanic/Latino Affairs | | | ş - | ş - | 50% | 0.00% | | \$ - | \$ - | \$ - | | \$ - |
| ΆX | Department of Taxation | 39.10 | \$ 3,564 | \$ 29,173 | \$ 4,717 | 50% | 0.19% | \$ 4,140 | \$ 4,840 | \$ 2,536 | \$ 1,604 | 63% | \$ 105.8 |
| OS | Ohio Treasurer of State | | | | s - | 50% | 0.01% | | | \$ 153 | \$ (16) | | \$ 45.5 |
| JST | Petroleum UST Release Compensation Board | 0.00 | \$ - \$ - | s - s - | \$ - \$ - | 50% 50% | 0.00% | | s - s - | \$ - \$ - | \$ - \$ - | 0% 0% | \$ - \$ - |
| PB | Ohio Vision Professionals Board | | | | | | | | | - | \$ (128,915) | 0.0 | - |

AVerage per Auguster versione Council Notes: (1) = Vehicle Count x Relativity to Vehicle Class 310 (2) = (1)/(1 Total)* (7 Total) from Exhibit Auto-3 (3) Incurred Loss developed, trended to 7/1/2020, and capped at \$250,000 (4) = (3)/(3 Total)* (7 Total) from Exhibit Auto-3

(5) Weights provided by the ORM
(6) Based on weighted average of (2) and (4); weights provided by the ORM (7) = (6) x (7 total); (7 total) tom Exhibit Auto-3
(8) = (6) x (8 total); (8 total) from Exhibit Auto-3

(9) Provided by ORM (10) =(7) - (9) (11) =(7)/(9) - 1 (12) =(7)/(1)

State of Ohio - Office of Risk Management Auto Liability A sof March 31, 2020 Allocation of 7/1/20-21 Ultimate Loss & ALAE by Agency at ACE- Discounted (2.0%) - Scenario 2: Credibility Weight

| | | (1) | (2) Estimate Using | (3) | (4) Estimate Using | (5) | (6) | (7) | (8) | (9) 7/1/20-21 | (10) | (11) | (12) | (13) |
|-------------|--|----------------|-----------------------|-------------------------|------------------------------|------------|--------------|----------|--------------------------|-------------------------------|-------------------------|-------------------------|----------------------|-----------------------|
| | | Adjusted | Adjusted Vehicle | Capped Trended | Capped Trended | Experience | Weighted | Selected | Ultimate Losses & LAE | Ultimate Losses & LAE | | | Percentage | |
| Code | Agency Name | Vehicle | Count | Ult. L&LAE | FY 2010-2020 Distribution | Weighting | Cost Base | Claims | \$2,000,000 | \$5,000,000 per Occurrence | Prior | Change in Premium | Change in Premium | Cost per Vehicle |
| ACC | Accountancy Board of Ohio | 0.00 | \$ - | \$ - | \$ - | 15% | | 0.00% | ş - | \$ - | \$ - | s - | 0% | \$ - |
| ADJ AGE | Adjutant General Department of Aging | 132.45 | | \$ 9,839 \$ - | \$ 1,591 \$ - | 25% 15% | | 0.42% | | \$ 10,991 \$ 90 | \$ 7,172 \$ 51 | \$ 2,229 \$ 26 | | \$ 70.98 \$ 77.06 |
| AGO | Office of the Attorney General | 427.40 | | \$ 425,552 | \$ 68,805 | 35% | | 2.20% | \$ 49,140 | \$ 57,447 | \$ 50,984 | \$ (1,843) | | \$ 114.98 |
| AGR | Department of Agriculture | 315.75 | | \$ 342,810 | \$ 55,427 | 35% | | 1.70% | | \$ 44,311 | \$ 43,939 | \$ (6,035) | | \$ 120.04 |
| ARC ART | Board of Examiners of Architects The Ohio Arts Council | 0.00 | | \$ - \$ - | s - c - | 15% 15% | | 0.00% | | s - s - | s - s - | s - | 0% 0% | s - |
| ATH | Ohio Athletic Commission | 0.00 | \$- | \$ - | s - | 15% | | 0.00% | s - | s - | s - | ş - | 0% | s - |
| AUD | Auditor of State | 9.00 | | \$ 1,309 | \$ 212 | 15% | | | | \$ 848 | \$ 523 | \$ 202 | 39% | \$ 80.57 |
| ETC BOR | Broadcast Educational Media Commission Department of Higher Education | 1.00 1.00 | | \$ - \$ - | s - s - | 15% 15% | | 0.00% | | \$ 90 \$ 90 | \$ 51 \$ 51 | \$ 26 \$ 26 | 51% 51% | \$ 77.06 \$ 77.06 |
| BTA | Board of Tax Appeals | 0.00 | ş - | s - | ş - | 15% | | 0.00% | ş - | ş - | ş - | s - | 0% | s - |
| BWC | Bureau of Workers Compensation | 320.10 | | \$ 131,527 | \$ 21,266 | 35% | | 1.18% | | | \$ 28,173 | \$ (1,906) | -7% | \$ 82.06 |
| CAC | Casino Control Commission Chemical Dependency Professionals Board | 15.00 | | \$ 649 \$ - | \$ 105 \$ - | 15% 15% | | 0.05% | | \$ 1,370 \$ - | \$ 833 | \$ 339 | | \$ 78.11 \$ - |
| CHR | Board of Chiropractic Examiners | 0.00 | | Ŧ | š - | 15% | | 0.00% | | š - | š - | š - | 0% | š - |
| CIV | Civil Rights Commission | 7.00 | | s - | s - | 15% | | 0.02% | | | \$ 357 | \$ 182 | | \$ 77.06 |
| CLA COM | Ohio Court of Claims Department of Commerce | 1.00 410.15 | | \$ - \$ 132.065 | \$ - \$ 21.353 | 15% 35% | | 0.00% | | \$ 90 \$ 36,946 | \$ 51 \$ 34,572 | \$ 26 \$ (2.968) | | \$ 77.06 \$ 77.05 |
| COS | State Cosmetology and Barber Board | 18.00 | | \$ 79,302 | \$ 12,822 | 15% | | 0.15% | | | \$ 6,047 | \$ (2,747) | | \$ 183.34 |
| CRB | Motor Vehicle Collision Repair Board | 2.00 | | s - | s - | 15% | | 0.01% | | | \$ 102 | \$ 52 | | \$ 77.06 |
| CSR CSV | Capitol Square Review & Advisory Board Commission on Service & Volunteerism | 10.80 0.00 | | \$ 617 \$ - | \$ 100 \$. | 15% 15% | 852 | 0.04% | \$ 847 | \$ 990 \$ - | \$ 602 | \$ 245 \$. | 41% 0% | \$ 78.44 \$ - |
| CSW | Counselors & Social Workers Board | 0.00 | | ŝ - | š - | 15% | | | š - | š - | ş - | ŝ - | | s - |
| DAS | Department of Administrative Services | 100.30 | | | \$ 5,104 | 25% | | | | | \$ 7,205 | \$ 885 | 12% | \$ 80.65 |
| DEN DEV | Dental Board Development Services Agency | 4.00 13.00 | | \$ 2,606 \$ 4,947 | \$ 421 \$ 800 | 15% 15% | | 0.02% | \$ 371 \$ 1,121 | \$ 434 \$ 1,311 | \$ 204 \$ 780 | \$ 167 \$ 341 | | \$ 92.78 \$ 86.24 |
| DMH | Department of Mental Health & Addiction Services | 185.35 | | \$ 54,332 | \$ 8,785 | 25% | 1,127 | | \$ 14,787 | \$ 17,287 | \$ 14,527 | \$ 260 | 2% | \$ 79.78 |
| DMR | Department of Developmental Disabilities | 319.25 | \$ 29,097 | \$ 153,408 | \$ 24,804 | 35% | 27,595 | 1.23% | \$ 27,448 | \$ 32,088 | \$ 26,020 | \$ 1,428 | 5% | \$ 85.98 |
| DNR DOH | Department of Natural Resources Department of Health | 3,719.20 | | \$ 853,651 \$ 89,170 | \$ 138,023 \$ 14,417 | 75% | | 8.39% | \$ 187,264 \$ 16,586 | \$ 218,920 \$ 19,390 | \$ 251,357 \$ 13,257 | \$ (64,094) \$ 3,329 | -25% | \$ 50.35 \$ 86.75 |
| DOT | Department of Transportation | 10.053.40 | | | \$ 1.022.278 | 75% | | 44.38% | | | \$ 1.068.220 | \$ (77,715) | | \$ 98.52 |
| DPS | Department of Public Safety | 5,048.85 | | | \$ 505,278 | 75% | | 22.02% | | \$ 574,447 | \$ 505,687 | \$ (14,306) | -3% | \$ 97.33 |
| DRC | Department of Rehabilitation & Correction | 1,732.25 | | + -, | \$ 229,990 | 75% | | 9.45% | | \$ 246,481 | \$ 174,449 | \$ 36,391 | | \$ 121.71 |
| DVM DVS | Veterinary Medical Board Department of Veterans Services | 0.00 51.85 | | \$ - \$ 31,330 | \$ 5,066 | 15% 15% | | 0.00% | | \$ - \$ 5,555 | \$ 5,408 | \$ (657) | | \$ - \$ 91.64 |
| DYS | Department of Youth Services | 170.50 | | \$ 80,014 | \$ 12,937 | 25% | 14,889 | 0.66% | | | \$ 16,082 | \$ (1,272) | -8% | \$ 86.86 |
| EBR | Environmental Board of Review | 0.00 | s - | s - | s - | 15% | | | ş - | s - | s - | s - | 0% | s - |
| EDU ELC | Department of Education Ohio Elections Commission | 14.00 0.00 | | \$ 13,530 \$ - | \$ 2,188 | 15% 15% | | 0.06% | \$ 1,405 | \$ 1,643 \$ - | \$ 1,792 | \$ (386) | -22% 0% | \$ 100.38 \$ - |
| ENG | Engineers & Surveyors Board | 0.00 | | s - | s - | 15% | | 0.00% | | s - | s - | s - | 0% | s - |
| EPA | Environmental Protection Agency | 246.30 | | | \$ 5,412 | 25% | 18,189 | 0.81% | | | \$ 18,107 | \$ (14) | 0% | \$ 73.46 |
| ERB ETH | Employee Relations Board Ethics Commission | 2.00 3.00 | | | \$ 54 \$ 109 | 15% | | 0.01% | | | \$ 130 \$ 260 | \$ 32 \$ (13) | | \$ 81.11 \$ 82.46 |
| ETH | Ohio Expositions Commission | 119.10 | | \$ 672 \$ 5,262 | \$ 109 \$ 851 | 25% | | 0.01% | | | \$ 260 \$ 7,192 | \$ 1.118 | | \$ 82.46 \$ 69.77 |
| FUN | Board of Embalmers and Funeral Directors | 2.00 | | \$ - | \$ - | 15% | 155 | 0.01% | \$ 154 | | \$ 102 | \$ 52 | 51% | \$ 77.06 |
| GOV | Office of the Governor | 0.00 | | s - | s - | 15% | | 0.00% | | s - | \$ - | s - | | \$ - \$ 77.06 |
| HF A IGO | Ohio Housing Finance Agency Office of the Inspector General | 16.00 3.00 | | \$ - \$ 58.310 | \$ - \$ 9.428 | 15% 15% | | 0.06% | | | \$ 868 \$ 5.027 | \$ 365 \$ (3.389) | | \$ 77.06 \$ 545.95 |
| INS | Department of Insurance | 13.00 | | | \$ 2,103 | 15% | | 0.06% | | | \$ 1,744 | \$ (428) | | \$ 101.20 |
| JCO | Judicial Conference of Ohio | 0.00 | | s - | s - | 15% | | 0.00% | | s - | s - | s - | | s - |
| JCR JEO | Joint Committee on Agency Rule Joint Education Oversight Committee | 0.00 | | \$ - \$ - | ş - | 15% 15% | | 0.00% | | \$ - ¢ . | \$ - c . | \$ - c . | | \$ - \$ - |
| JFS | Department of Job and Family Services | 158.75 | | \$ 68,239 | \$ 11,033 | 25% | 13,610 | 0.61% | | \$ 15,826 | \$ 13,112 | \$ 426 | | \$ 85.28 |
| JLE | Joint Legislative Ethics Commission | 0.00 | ş - | s - | s - | 15% | - | 0.00% | ş - | s - | \$- | s - | 0% | s - |
| JMO JSC | Joint Medicaid Oversight Committee Judiciary/Supreme Court | 0.00 7.40 | \$- \$674 | \$ - \$ - | \$ - \$ - | 15% 15% | | 0.00% | \$ - \$ 570 | \$ - \$ 667 | \$ - \$ 378 | \$ - \$ 192 | 0% 51% | \$ - \$ 77.06 |
| LCO | Liquor Control Commission | 0.00 | | s - | s - | 15% | | 0.00% | | \$ - | \$ 5/0 \$ - | s - | 0% | \$ - |
| LEC | Lake Erie Commission | 0.00 | | s - | \$ - | 15% | | 0.00% | | \$ - | \$ - | \$ - | 0% | \$ - |
| LIB | State Library Board | 6.00 170.30 | | \$ - \$ 72,453 | \$ - \$ 11.715 | 15% 25% | | 0.02% | | | \$ 306 \$ 15.051 | \$ 156 \$ (559) | | \$ 77.06 \$ 85.10 |
| LOT | Ohio Lottery Commission Legislative Service Commission | 1 00.30 | | \$ 72,453 \$ - | \$ 11,715 | 25% | | 0.65% | | | \$ 15,051 \$ 51 | \$ (559) | | \$ 77.06 |
| MCD | Department of Medicaid | 0.00 | ş - | š - | š - | 15% | | 0.00% | s - | ş - | ş - | s - | 0% | s - |
| MED | Medical Board | 20.00 | / | ş - | ş - | 15% | | 0.07% | | | \$ 1,021 | \$ 520 | | \$ 77.06 |
| MIH NUR | Commission on Minority Health Board of Nursing | 0.00 | | \$ - \$ - | \$ - \$ - | 15% 15% | | 0.00% | | \$ - \$ - | \$ - \$ - | s - | | \$ - \$ - |
| OBM | Office of Budget & Management | 1.00 | \$91 | \$ - | s - | 15% | 77 | 0.00% | \$ 77 | \$ 90 | \$ 51 | \$ 26 | 51% | \$ 77.06 |
| occ | Office of Consumers' Counsel | 4.00 | \$ 365 | \$ 754 | \$ 122 | 15% | 328 | 0.01% | \$ 326 | \$ 382 | \$ 296 | \$ 31 | 10% | \$ 81.61 |
| OIC ODC | Industrial Commission Office of Disciplanary Counsel | 5.00 2.00 | | \$ 5,991 \$ - | \$ 969 \$ - | 15% 15% | 533 155 | 0.02% | \$ 530 \$ 154 | \$ 619 \$ 180 | \$ 1,436 \$ 102 | \$ (906) \$ 52 | -63% 51% | \$ 105.96 \$ 77.06 |
| OSB | Ohio State School for the Blind | 19.80 | | \$ 2,482 | \$ 401 | 15% | | 0.01% | | | \$ 1,033 | \$ 552 | | \$ 80.08 |
| OSD | Ohio School for the Deaf | 16.40 | \$ 1,495 | \$ 2,475 | \$ 400 | 15% | 1,331 | 0.06% | \$ 1,324 | \$ 1,547 | \$ 970 | \$ 353 | 36% | \$ 80.70 |
| PRX | Board of Pharmacy Board of Psychology | 46.00 0.00 | | \$ - \$ - | \$ - ¢ . | 15% 15% | | 0.16% | | \$ 4,144 | \$ 2,349 | \$ 1,196 | | \$ 77.06 |
| PSY PUB | Public Defender Commission | 12.00 | | s - s - | ş - | 15% | | 0.00% | | \$ 1,081 | \$ 613 | \$ 312 | 0% 51% | \$ 77.06 |
| PUC | Public Utilities Commission | 54.00 | \$ 4,922 | \$ 138,136 | \$ 22,334 | 15% | 7,534 | 0.34% | \$ 7,494 | \$ 8,760 | \$ 13,514 | \$ (6,020) | -45% | \$ 138.77 |
| PWC PYT | Public Works Commission | 0.00 | \$- | ş - | ş - | 15% | ; - | 0.00% | | \$ - | ş - | s - | 0% | \$ - |
| PYT RAC | Occupational and Physical Therapy Board Racing Commission | 0.00 3.00 | | \$ - \$ - | \$ - \$ - | 15% | | 0.00% | | \$ - \$ 270 | \$ - \$ 153 | \$ - \$ 78 | | \$ - \$ 77.06 |
| REP | Ohio House of Representatives | 3.00 | \$ 273 | | \$ 374 | 15% | 288 | 0.01% | \$ 287 | \$ 335 | \$ 346 | \$ (59) | -17% | \$ 95.65 |
| RSC | Opportunities for Ohioans With Disabilities Agency | 204.10 | | \$ 62,646 | \$ 10,129 | 25% | | 0.73% | | \$ 19,168 | \$ 13,563 | \$ 2,834 | 21% | \$ 80.34 |
| SCR SEN | Board of Career Colleges and Schools The Ohio Senate | 0.00 2.00 | | \$ - \$ - | s - c . | 15% 15% | 155 | 0.00% | | \$ - \$ 180 | \$ - \$ 102 | \$ - \$ 52 | | \$ - \$ 77.06 |
| SEN | Ohio Facilities Construction Commission | 2.00 | | \$ - \$ - | ş - | 15% | 2,169 | 0.01% | | \$ 2,522 | \$ 1,583 | \$ 575 | | \$ 77.06 |
| SHP | Ohio Speech and Hearing Professionals Board | 0.00 | | ş - | ş - | 15% | | 0.00% | ş - | ş - | ş - | s - | 0% | s - |
| SOA SOS | Southern Ohio Agricultural & Community Development Ohio Secretary of State | 1.00 2.00 | | \$ - \$ - | ş - | 15% 15% | | 0.00% | \$ 77 \$ 154 | \$ 90 \$ 180 | \$ 51 \$ 102 | \$ 26 \$ 52 | 51% | \$ 77.06 \$ 77.06 |
| SOS SPA | Ohio Secretary of State Ohio Commission on Hispanic/Latino Affairs | 2.00 | ə 182 S - | s - | s - | 15% 15% | | | \$ 154 \$ - | \$ 180 \$ - | > 102 S - | 5 52 5 - | 51% 0% | \$ 77.06 \$ - |
| TAX | Department of Taxation | 39.10 | | | \$ 4,717 | 15% | 3,737 | 0.17% | \$ 3,717 | | \$ 2,536 | \$ 1,181 | 47% | \$ 95.06 |
| TOS | Ohio Treasurer of State Petroleum UST Release Compensation Board | 3.00 | | \$ - \$ - | ş - | 15% 15% | | 0.01% | | \$ 270 \$ - | \$ 153 \$ - | \$ 78 | | \$ 77.06 \$ - |
| VPB | Ohio Vision Professionals Board | 0.00 | s . | s - | s - | 15% | | 0.00% | | s · | s - | s - | 0% | s - |
| Ē | Total | 24,488 | \$ 2,231,922 | \$ 13,804,146 | \$ 2,231,922 | 250 | 2,243,818 | 100.00% | \$ 2,231,922 | \$ 2,609,218 | \$ 2,360,797 | \$ (128,875) | 0.0 | \$ 91.14 |
| Notes: | Average per Adjusted Vehicle Count | | | | | | | | \$ 91.14 | \$ 106.55 | | | | - |

Average per Adjusted Vehicle Count Notes: (1) = Vehicle Count & Relativity to Vehicle Class 310 (2) = (1)/1 (7 table) '(6 Tadle 1 Chail from Enbild Auto-3 (3) incurred Loss developed, trended to 7/1/2020, and caped at \$250,000 (4) = (3)/(3 Tota) '(8 Tota); (8 Tota); trom Exhibit Auto-3

(5) Weights based on the size of the agency
(6) = (4) * (5) + (2) * (1 - (5))
(7) = (6) / (6 Total)
(8) = (7) x (8 Total); (8 Total) from Exhibit Auto-3

(9) = (7) x (9 Total); (9 Total) from Exhibit Auto-3 (10) Provided by ORM (11) =(6) - (10) (12) =(6)/(10) - (1 (13) =(6)/(1)

State of Ohio - Office of Risk Management Auto Liability As of March 31, 2020 Vehicle Type Classification Relativities

| | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
|---------------|-----------------------------------|----------------|---------------------|---------------------|------------------|-----------------|-----------------|----------------|---------|----------|
| | | FY 2010 - 2020 | FY 2010 - 2020 Tren | ded Ult Loss & ALAE | Average Loss & A | LAE Per Vehicle | Relativity to I | Base Class 310 | Current | Selected |
| Vehicle Class | Vehicle Type Description | Vehicles | Uncapped | Capped @ 250K | Uncapped | Capped @ 250K | Uncapped | Capped @ 250K | | |
| 310 | Passenger Vehicles & Light Trucks | 94,335 | 8,133,055 | 4,570,280 | 86.2 | 48.4 | 1.000 | 1.000 | 1.000 | 1.000 |
| 311 | Medium Weight Trucks | 17,257 | 757,237 | 757,237 | 43.9 | 43.9 | 0.509 | 0.906 | 1.100 | 1.100 |
| 312 | Heavy Weight Trucks | 10,642 | 4,447,344 | 3,666,278 | 417.9 | 344.5 | 4.847 | 7.111 | 2.500 | 2.750 |
| 313 | Emergency Vehicles | 19,275 | 7,226,825 | 2,974,165 | 374.9 | 154.3 | 4.349 | 3.185 | 2.500 | 2.750 |
| 314 | Guest Vehicle | 490 | 60,483 | 60,483 | 123.6 | 123.6 | 1.433 | 2.550 | 1.000 | 1.000 |
| 315 | Light Equipment | 28,160 | 1,123,802 | 1,123,802 | 39.9 | 39.9 | 0.463 | 0.824 | 0.700 | 0.700 |
| 316 | Heavy Equipment | 13,112 | 631,856 | 501,112 | 48.2 | 38.2 | 0.559 | 0.789 | 1.120 | 1.100 |
| 317 | Watercraft | 5,528 | 3,432 | 3,432 | 0.6 | 0.6 | 0.007 | 0.013 | 0.100 | 0.100 |
| | | | | | | | | | | |
| Total | | 188,798 | 22,384,034 | 13,656,789 | 118.6 | 72.3 | | | | |

Notes:

(1) Provided by Client

(2) Incurred Loss developed and trended to 7/1/2020

(3) Incurred Loss developed, trended to 7/1/2020, and capped at \$250,000

(4) = (2)/(1)

(5) = (3)/(1)

(6) = (4)/(4 for class 310)
(7) = (5)/(5 for class 310)
(8) Provided by Client
(9) EY Select

EY | Assurance | Tax | Strategy and Transactions | Consulting

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