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March 19, 2024

Debra Ginetto, CIC
Burton Agency
44 Bergen Street
Westwood, New Jersey 07675

Dear Deb:

Enclosed is a copy of the actuarial study of the Morris Essex Insurance Group Workers' Compensation Insurance School Pool's 2023 loss and loss adjustment expense reserves.

OCS completed the analysis by applying standard actuarial techniques to the available data. The findings of that analysis were that the Pool requires net IBNR reserves of \$2,136,703 for all fund years combined as of June 30, 2023. The results by fund year are presented in the report.

Also enclosed is a copy of the required reserve opinion for the New Jersey Department of Insurance.

If you have any questions or need any further information, please let me know.

Sincerely,

Mary Lou O'Neil, FCAS, MAAA

Fiscal Year 2023
Loss and Loss Adjustment Expense
Reserve Certification Analysis

for

Morris Essex Insurance Group
Workers' Compensation Insurance Pool

Prepared by:
O'Neil Consulting Services, Inc.
March 19, 2024

**Fiscal Year 2023 Reserve Certification Analysis for
Morris Essex Insurance Group
Workers' Compensation Insurance School Board Pool
Executive Summary**

O'Neil Consulting Services has reviewed the data and information presented by Rasmussen Agency, Inc., on behalf of the Morris Essex Insurance Group Workers' Compensation Insurance Pool through June 30, 2023.

The findings of that analysis are that the Pool requires \$2,136,703 for net IBNR for fund years ended June 1985 through June 2023. When added to the current net paid plus outstanding loss and loss adjustment expenses of \$26,104,140, this implies a net ultimate loss and allocated loss adjustment expense for all fund years of \$28,240,842. The following table compares the selected IBNR to the total Pool held surplus before IBNR at 6/30/22.

Fund Year Ended June 30	Held Surplus Excluding Net IBNR at 6/30/22	Required Net IBNR at 6/30/23
2004 & Prior	\$204,762	\$5,000
2005	\$21,927	\$2,500
2006	\$54,104	\$2,500
2007	\$89,710	\$2,500
2008	\$126,578	\$13,970
2009	\$143,866	\$5,000
2010	\$137,253	\$5,000
2011	\$274,702	\$5,000
2012	\$195,686	\$15,000
2013	\$349,900	\$15,000
2014	\$357,565	\$45,002
2015	\$542,163	\$15,000
2016	\$744,390	\$114,217
2017	\$661,042	\$97,368
2018	\$720,980	\$92,722
2019	\$1,317,320	\$128,167
2020	\$1,461,498	\$162,745
2021	\$787,447	\$315,237
2022	\$1,168,761	\$620,202
2023	NA	\$474,572
Total	\$9,359,654	\$2,136,703

The full report supporting these findings follows.

**Fiscal Year 2023 Reserve Certification Analysis for
Morris Essex Insurance Group
Workers' Compensation Insurance Pool
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**Fiscal Year 2023 Reserve Certification Analysis for
Morris Essex Insurance Group
Workers' Compensation Insurance School Board Pool**

I. Introduction

O'Neil Consulting Services (OCS) was retained by the Morris Essex Insurance Group Self Insured Workers Compensation Insurance Pool to develop its loss and loss adjustment expense reserves in total and by fund year through year ended June 30, 2023. This evaluation included preparation of the required reserve certification for the state of New Jersey.

This analysis is an annual update of the same study performed at fiscal year end (FYE) 2022 and is presented and organized in the same manner. Thus, this report presents the results of the requested reserve analysis in eight sections: (1) Introduction, (2) Conditions and Limitations, (3) Background, (4) Definitions, (5) Data, (6) Results, (7) Assumptions and Methodology, and (8) Detailed Analysis. Attachments include Exhibits 1 and 2, Graphs 1 through 10, Appendix 1 Pages 1 through 7, and Appendix 2 Pages 1 to 16.

II. Conditions and Limitations

The results presented in this report rely on the unaudited data and information supplied by

Rasmussen Agency, Inc.¹, the original claims administrator for the pool through June 30, 1997, Inservco Insurance Services, Inc., the claims administrator for the pool from 7/1/97 through June 30, 2023, and other responsible persons who administrate the Pool.

The selected ultimate (full settlement) values developed using these data depend on the assumptions of consistent claim reporting patterns and settlement patterns and may be incorrect due to various unforeseeable contingent events. These events may include changes in legislative and judicial pronouncements, economic conditions, social expectations, or any other condition such as asbestos or toxic mold related claims, other mass tort related claims, pandemics such as that related to covid 19, as well as changing claim settlement practices, or inaccuracies in the underlying data. There have been wide year-to-year differences in initial case reserve adequacy which violate the consistency assumption. These changes have and will cause swings in estimated required IBNR. (incurred but not reported) loss and loss adjustment expense. This is discussed further in later sections.

The selected ultimates should always be viewed as estimates based on a variety of statistical methods and judgment subject to the conditions and limitations outlined above. Therefore, these estimates will change as new data become available for each fund year until all claims are closed for that fund year.

¹ Beginning with fund year ended (FYE) 6/97, the Pool changed its claim administrator. The new administrator, Inservco Insurance Services, Inc., has handled run-off claims for prior fund years and all claims for the fund years ended June 1997 through the current date. This change was a very significant event because, as explained in prior reports, all prior historical development information could not be relied on to estimate future claim development. However, because there have been more than five development periods since the change in claim administrators, there should be no remaining effect on current reserve estimates due to this change.

III. Background

The Morris Essex Insurance Group Insurance Pool was formed on July 1, 1984 to provide Workers' Compensation and Employer's Liability Coverage for its members. The Pool began with seventeen members and remained at that level for the first three years. From 6/88 through the current fund year pool membership fluctuated between a low of fifteen members to a high of 20 members. The current membership count as of 6/23 is sixteen. According to responsible representatives of the pool, the basic quality of exposure presented by the pool members has been reasonably consistent over time.

Prior to 6/90 the Pool evaluated its financial results for each fund year by comparing pool income from member contributions (premium) with pool outgo. Pool outgo included three elements: (1) paid claim amounts, (2) individual case reserve amounts for known claims as set by adjusters, and (3) paid administrative expenses. Beginning with fund year ended 6/90 the Pool specifically set aside funds to provide for expected development on known claims and future payments on incurred but not reported claims. In addition, the Pool has maintained a surplus for each fund year. The amounts held through June 30, 2022 excluding IBNR, according to Schedule C of the Pool's audit report, are shown by fund year in the following table.

Fund Year Ended June 30	Held Surplus Excluding IBNR at 6/30/22
2004 & Prior	\$204,762
2005	\$21,927
2006	\$54,104
2007	\$89,710
2008	\$126,578
2009	\$143,866
2010	\$137,253
2011	\$274,702
2012	\$195,686
2013	\$349,900
2014	\$357,565
2015	\$542,163
2016	\$744,390
2017	\$661,042
2018	\$720,980
2019	\$1,317,320
2020	\$1,461,498
2021	\$787,447
2022	\$1,168,761
2023	NA
Total	\$9,359,654

The IBNR developed in this report provides for the following:

- (1) payments in excess of the estimated case reserves on known claims,
- (2) payments on reopened claims, and
- (3) payments for incurred but not reported claims.

A reserve for unallocated loss adjustment expense is not required because the Pool's claim administration agreement provides for full settlement for all claims for a given fund year.

The Pool has maintained reinsurance at an increasing retention level beginning at \$100,000 and rising \$25,000 per year for the next two years to \$150,000. The retention rose to \$200,000 for fund years ended 6/88 and 6/89, to \$250,000 for fund years ended 6/90 through 6/30/03, to \$300,000 for for fund year ended 6/30/04, and to \$350,000 for fund years ended 6/30/05 through 6/30/12. The retention was increased to \$400,000 for fund year ended 6/30/13 and to \$500,000 for fund years ended 6/30/14 through 6/30/23.

IV. Definitions

The short glossary of technical terms presented with last year's report is again appended as Exhibit I to aid the reader in reviewing this report. More complete definitions may be found in technical readings or journals.

Three basic mathematical relationships underlie the various computations utilized in this report.

These are as follows:

- (1) Paid loss and allocated loss adjustment expense + case reserves
= reported incurred loss and allocated loss adjustment expense
- (2) Paid loss and allocated loss adjustment expense + case reserves + IBNR
= ultimate incurred loss and allocated loss adjustment expense
- (3) IBNR = Ultimate incurred loss and allocated loss adjustment expense
- reported incurred loss and allocated loss adjustment expense.

IBNR as used in the above formulas refers to development on known cases, provision for reopened claims, and to incurred but not reported claims.

V. Data

A. General

As noted above, historical data were previously provided by Berkley Risk (Rasmussen Agency, Inc.) for fund years ended June 30, 1997 and prior. Inservco Insurance Services, Inc. assumed responsibility for the pool's claims at July 1, 1997. Inservco did recover the prior historical data base so that a prior Third Party Administrator (TPA) report was not necessary. The data provided at June 30, 2023 included (1) paid loss and allocated loss adjustment expense, (2) outstanding loss and ALE, (3) the number of open claims, (4) the number of claims closed with payment, (5) the number

of claims closed without payment, and (6) the number and amount of large claims over \$25,000 each. (Not adjusted for inflation.)

There were differences between the Rasmussen data base and the Inservco data base which no longer affect the current analysis. Due to the transition in claim administrators, there were initially a variety of problems with the data related to data accuracy and timeliness. All of these problems were subsequently corrected.

Basic information related to the composition of the Pool by year and related changes in underlying risk were provided by current representatives of the Pool. This included the status of Pool membership by year, payroll by year, standard premium by year, actual premium by year, and current reinsurance provisions.

B. Current Data Problems and Anomalies

The data base provided by Inservco for this analysis appeared to be reasonable and correct. At this time, no data inconsistencies remain, as identified above. There have been a few unusual observed developments in the historical data base as described in the following paragraphs.

In 2009 Inservco stated that MEIG had contracted with a vendor for managed care and bill repricing effective October 2007 which would result in some speed-up in claim processing. This change took place during development year 2008. In addition, due to close scrutiny of claims to assure that they

are work related, a greater proportion of claims can be expected to close without payment. Similar observations appear to apply to subsequent fund years. The effect of the application of managed care has now become part of the historical data base.

Other observed data anomalies have been noted in prior analyses. These have included unusual late emergence of new claims and unusual development on known claims. Anomalous claim emergence emphasizes the need for this Pool to retain provisions to assess its members despite the closeout of a fund year.

For example, as of 6/01, or fifteen years later, there was one new claim for fund year ended 6/86. This claim was apparently closed during that year because there remained only one claim outstanding for fund year ended 6/86 as of 6/01 which was the large Kerstein claim which had been open for some time. A more egregious example of late claim activity was observed as of 6/16 when a new claim emerged twenty four years late for fiscal year ended 6/92. This claim was a large claim and remained open as of 6/30/22 and finally closed during the calendar year ended June 30, 2023. Another claim that emerged seventeen years late relates to FYE 6/03 and remained a large open claim as of June 30, 2023. Although there have been few extraordinarily late claims, additional claim activity for these older fund years is a cause for concern as the pool closes out these years.

C. Inservco Claim Handling

Fund years ended 6/09 and 6/10 both appeared to have larger than historical paid and incurred loss

during the first development period. Subsequent fund years have experienced initial paid and incurred loss consistent with earlier fund years.

Previously, it was observed that there have been instances of paid loss for a development period exceeding the available case reserve previously established. In some cases, the emerged deficiency was anticipated by the IBNR. However, when the deficiency was extremely high, such as over \$150,000 as for fund year ended 6/98 as of June 2005, it was not anticipated by the IBNR. In order to analyze the reason for the deficiency and prevent recurrence of similar deficiencies in the future, additional analyses have been included for a number of years and are continued in this report. Specifically, paid loss has been compared to paid and outstanding loss for the prior period for every development period. If the value is greater than 1.000, the prior period case reserves were deficient by the amount over one. This analysis is shown on Appendix 2 Page 16. This exhibit shows that there were very few instances of case reserve deficiencies wherein case reserves were exceeded by payments observed during the next development year. For example, paid loss for FYE 6/04 as of 6/30/13 was \$977,162 while reported incurred loss for FYE 6/04 as of 6/30/12, which was expected to be sufficient to settle all claims, was \$967,505. This means that case reserves as of 6/30/12 were deficient by \$9,657, notwithstanding the possibility of additional development remaining for this fund year. Although this is a relatively small amount, it could be symptomatic of a larger problem as the incurred loss for this fund year jumped +6.6% to \$1,031,334 in the tenth development period. This large amount of development at this late stage also eroded the held IBNR for this fund year. The development year ending 6/14 also showed a case reserve deficiency, in the first development period, which relates to fund year ended 6/13. The deficiency was 4.3%. This means that the paid loss as of

6/14 for fund year ended 6/13 of \$458,104 exceeded the estimated incurred loss of \$440,011 by 4.3% or about \$18,000. The incurred loss value should have been set to provide the full closure value for all claims. There were no instances of observed case reserve deficiencies during 2014. For 2015, there was an egregious deficiency in initial case reserves of 73.4%. Initial paid loss, incurred loss, and combined paid and incurred loss for FYE 6/15 as of 6/30/15 was \$187,243, \$76,796, and \$264,039, respectively. One year later, or at 6/30/16, the FYE 6/15 paid loss was \$457,806, well above the combined paid loss and case reserves originally established. This is an egregious instance of initial case reserve deficiency of \$193,767 or 73.4%, the highest amount ever experienced by the pool. The initial IBNR estimate was sufficient to absorb this deficiency. However, that may not always be possible for a deficiency of such a large magnitude. No new deficiencies were observed during the 6/17 development year. Fund year ended 6/17 began with a deficiency of 10.7%. There were three instances of inadequate case reserves which became apparent during the development year 2023 related to the years, FYE 6/19 (3.9%) , FYE 6/13 (0.8%), and FYE 6/12 (4.7%). The inadequacy for FYE 6/12 appeared in the twelfth development period. This means that case reserves were exhausted at 6/30/23 despite the presence of an open claim. Inservco should work to eliminate these deficiencies. Variations in case reserve adequacy cannot always be compensated for in the estimated IBNR.

Inservco claim handling, which includes payment patterns and case reserving patterns over time by fiscal year, has generally been erratic. This can be observed from the development factors shown on Appendix 2 Page 1 for paid loss and Appendix 2 Page 7 for total reported incurred loss.

In order to determine if that erratic development and case reserve inadequacy was due to large claim activity, data for large claims over \$25,000 (without adjustment for inflation over time) and all other claims were analyzed separately. Data for all other claims are shown on Appendix 2 Page 5. The development patterns for claims less than \$25,000 were surprisingly erratic. However, initial reserves were generally adequate. Data for claims over \$25,000 are shown on Appendix 2 Page 3. These development patterns for claims over \$25,000 are very erratic. Further, initial reserves are generally inadequate by 200% or more. The data show that it takes about five to six years for Inservco to set reasonably adequate case reserves for large claims over \$25,000 despite the fact that the majority of these claims are identified within the first development period. Inservco should work to shorten this period. Given the underlying erratic emergence of large claim amounts it is difficult for the IBNR to fully account for the lack of adequate case reserves. The separate analysis of data including and excluding these large claims which is included in this report should aid in mitigating the situation to the extent that the IBNR analysis can compensate for the underlying data aberrations. There is a possibility of distortion in the observations of data within these separate data categories because a claim can develop upward into the over \$25,000 category or develop downward into the less than \$25,000 category from one development period to the next. That is, the underlying claim base is not necessarily consistent over development periods within the two data sets. This possible inconsistency must be considered when analyzing these data.

VI. Results

A. Overall Results

The range of indications was reasonable, with indicated gross IBNR ranging from a low of \$2.0 million for the average paid indication to a high of \$8.8 million for the BF paid actual premium indication. The average indicated gross IBNR was \$5.3 million with a standard deviation of about \$2.3 million. Selected gross required IBNR was \$2,136,703 which when combined with gross paid plus outstanding loss and allocated loss adjustment expense of \$26,227,523 results in gross ultimate loss and allocated loss adjustment expense of \$28,364,225. Selected net required IBNR was \$2,136,703 for fund years ended June 1986 through June 30, 2023. When added to the current net paid plus outstanding loss and loss adjustment expenses of \$26,104,140 this implies net ultimate loss and allocated loss adjustment expense for all fund years of \$28,240,842. Therefore, reinsurance recoveries and recoverables were estimated at \$123,383.

According to Pool Administrators, the status of potential asbestos, mold, or other mass tort related claims, as well as Covid-19, has not changed since the last study. The Pool continues to be aware that a number of its facilities include asbestos. This material is being handled and/or removed in accordance with related laws and regulations. Although the Pool Administrators were not aware of any other claims related to asbestos exposure and no case reserves or IBNR reserves are held, these claims are cause for concern. For purposes of this analysis, the cases presented to date do not seem to be indicative of the need to establish a special contingency reserve for additional cases at this time. Therefore, no specific separate amount was provided for this exposure in the selected IBNR. No special reserve was set related to covid 19.

A comparison of the selections made at 6/22 with the selections made at 6/23 for fund years ended 6/85 through 6/22 is shown on Exhibit 2 Page 1 and on Graph 10. These data show that the selected net ultimates from the last study were decreased by \$158,201 or -0.5% of the total ultimate loss and LAE.

The results presented in this report are gross and net of reinsurance.

B. Results by Fund Year

Ultimate loss and allocated loss adjustment expenses were selected by fund year given the following considerations: (1) the indicated results of the seven methods, (2) the magnitude of the paid and incurred loss and allocated loss adjustment expense to date, (3) the number of open claims, (4) the number and amount of large claims, (5) the judgmental probability of the number and amount of reopen claims, (6) the statistics (loss ratio, etc.) implied by various selections, (7) the observed paid plus case reserve amounts by fund year as of September 30, 2023 and (8) any other relevant factors or judgments available such as covid 19 shut downs. Variations in development patterns violate the basic assumption underlying the development patterns that there be consistent claim handling practices. Any violations introduce greater uncertainty into each step of the analysis. In order to recognize the uncertainty, an attempt has been made to select conservative estimated ultimate values and to maintain these until the uncertainty declines sufficiently to release some of the conservatism. This evaluation is made based on judgment.

An overriding consideration in selecting the ultimate loss and allocated loss adjustment expense is the accuracy of the total. Although individual year selections are made, they are by nature less precise than the overall amount, particularly given the data limitations and the effect of large claims discussed in previous sections. Given these considerations and judgments, selections were made for gross and net ultimate loss and ALE by fund year. These selections are displayed in the following table.

Fund Year Ended June 30	Selected Gross Ultimate Loss and ALE at 6/30/23	Selected Net Ultimate Loss and ALE at 6/30/23
2004 & Prior	\$10,268,796	\$10,145,413
2005	\$1,095,137	\$1,095,137
2006	\$546,311	\$546,311
2007	\$848,627	\$848,627
2008	\$986,016	\$986,016
2009	\$1,130,179	\$1,130,179
2010	\$1,017,248	\$1,017,248
2011	\$662,372	\$662,372
2012	\$892,671	\$892,671
2013	\$723,677	\$723,677
2014	\$875,000	\$875,000
2015	\$668,191	\$668,191
2016	\$825,000	\$825,000
2017	\$1,100,000	\$1,100,000
2018	\$1,300,000	\$1,300,000
2019	\$800,000	\$800,000
2020	\$825,000	\$825,000
2021	\$1,450,000	\$1,450,000

Fund Year Ended June 30	Selected Gross Ultimate Loss and ALE at 6/30/23	Selected Net Ultimate Loss and ALE at 6/30/23
2022	\$950,000	\$950,000
2023	\$1,400,000	\$1,400,000
Totals*	\$28,364,225	\$28,240,842

*Total may not appear additive due to rounding within fund year.

In the aggregate these selections result in selected net ultimate loss and ALE of \$28,240,842 with net implied IBNR of \$2,136,703. The implied net loss ratio for the pool's entire history was 45.7%. Two large claims experienced by the pool have exceeded the pool's per risk reinsurance retention. The two excess claims were adjusted to the appropriate retention level to obtain the net results. The net IBNR by fund year is shown on Exhibit 2 Page 1 or Page 2 and in the following table.

Fund Year Ended June 30	Required Net IBNR at 6/30/23
2004 & Prior	\$5,000
2005	\$2,500
2006	\$2,500
2007	\$2,500
2008	\$13,970
2009	\$5,000
2010	\$5,000
2011	\$5,000
2012	\$15,000
2013	\$15,000
2014	\$45,002
2015	\$15,000
2016	\$114,217

Fund Year Ended June 30	Required Net IBNR at 6/30/23
2017	\$97,368
2018	\$92,722
2019	\$128,167
2020	\$162,745
2021	\$315,237
2022	\$620,202
2023	\$474,572
Total	\$2,136,703

As noted earlier, the selected gross and net implied IBNR represents a reasonable estimate of the actual IBNR for a particular year and for all fund years combined. For various reasons, a point estimate was required to be made. However, the true IBNR probably lies within a range of at least plus or minus 25% of the selected result. Therefore, it should not be assumed that any excess surplus as of June 30, 2023 can be returned to the pool members. Instead, an amount equal to at least 25% of the selected ultimate loss and ALE should be retained as a contingency fund to provide for the potential adverse variation.

C. Analysis of Net Selection

The statistics underlying the aggregate data show that claim frequency has generally declined over the life of the Pool. There were upward and downward variations in claim frequency over time. For example, frequency rose for fund years ended 6/08 and 6/09 and then declined significantly for fund

year ended 6/10. Frequency generally decreased for each year through fund year ended 6/15 where the frequency was at the lowest level in the life of the pool to that date. Frequency for fund years ended 6/16 through 6/18, however, increased 2.0%, 0.9% and 5.4%, respectively. Frequency for fund year ended 6/20 dropped dramatically by -35.6%. This dramatic decrease in claim frequency during FYE 6/20 was considered to be primarily related to covid 19 shut downs. Claim frequency dropped -9.6% for FYE 6/21 but rebounded by 34.5% during FYE 6/22, albeit well below the levels observed for FYE 6/19 and prior. Frequency increased again for FYE 6/23 by 23.3%. These data suggest that the drops in frequency for FYE 6/20 and FYE 6/21 were covid 19 related and that subsequent claim frequency data for FYE 6/22 and FYE 6/23 have reverted to pre-covid levels. These data are shown on Graph 1. Severity has fluctuated widely over the life of the Pool, generally as a function of the amount of large losses related to a particular fund year. Average claim costs have increased gradually on average over the life of the pool except for FYE 6/21. FYE 6/21 included an unusual increase of 96.3% in the average claim value which was in excess of all years in the pool's history. Average claim costs fell back to pre-covid levels for FYE 6/22 and 6/23. The underlying frequency and severity data are also shown on Exhibit 2 Page 3.

As of June 30, 2023 there were 238 large losses (over \$25,000 each and not adjusted for inflation) for all fund years combined with gross paid plus outstanding loss and ALE of \$17,890,984, which represented about two-thirds of total reported gross incurred loss and ALE. Consequently, as previously noted, large losses continue to play a significant role in the Pool's overall experience. Further analysis of the large loss report showed that the frequency of large claims was fairly constant over the first seven years (FYE 6/85 through FYE 6/91) of the Pool (except for FYE 6/89) at about

two to three claims per fund year although fund year ended 6/89 had six large claims. Then, large claim experience escalated to an average of seven large claims per year with a peak of twelve for fund year ended 6/09. Subsequent large claim activity leveled off at about seven large claims per year for FYE 6/10 through FYE 6/23.

In order to identify the impact of large cases through June 2023 on severities, the Pool severities including IBNR by fund year were recalculated excluding all large claims. The results of this calculation are displayed on Graph 3, net of reinsurance. These data show that for some years large claims have added more than \$4,000 to the average claim cost per fund year, or about \$2,000 on average for all fund years combined. FYE 6/21 stands out above all other years with an impact of over \$8,000 to the average claim cost for that fund year.

Graph 4 shows the distribution of ultimate loss into its underlying components. The progression of net paid, outstanding, and IBNR is fairly normal by year.

The net loss ratio over the pool's lifetime is 45.7%. As noted at prior reviews, FYE 6/89 was the pool's worst year (loss ratio of 164%) which was followed by better experience, although there were two more years, FYE 6/92 and 6/93, which had loss ratios greater than 100%. Experience for several FYEs such as 6/06 and 6/11 through 6/16 was exceptionally good. Loss ratios for subsequent FYEs 6/10 through 6/22 have been consistently favorable and are all well below the standard break-even level of 65%. The loss ratio for FYE 6/21, at 57.1%, was the highest since FYE 6/05. The loss ratio for FYE 6/22 was quite favorable at 37.4% while the loss ratio for FYE 6/23 were somewhat higher

at 55.2%. The frequency and severity of large claims has generally been responsible for any poor loss experience. The loss ratio data are shown on Exhibit 2 Page 3 and Graph 8.

Graph 9 depicts the payout patterns implied by the selected ultimates. Historical development to date confirms the probability of a payout pattern of about 10 years when reopened cases are considered. Finally, the 6/23 selected ultimate loss and ALE by fund year is compared graphically (Graph 10) to the 6/22 selected ultimates.

VII. Assumptions and Methodology

The basic methodology is the same as employed for the 2022 study. The method introduced in 2005 to estimate ultimate loss using large losses and all other losses separately was continued in this analysis. The basic methodology is described again here for reference, with changes highlighted as necessary.

The basic procedure is to utilize the data to estimate the gross ultimate loss and allocated loss adjustment expense in several ways in order to obtain the range of estimates and then to select the best estimate given the particular observed circumstances. The required gross IBNR reserve is then obtained by subtraction of the known paid plus outstanding loss and allocated loss adjustment expense as shown in equation three of Section IV. The net IBNR reserve is obtained by adjusting the gross selection using the large claim report and the applicable retention.

The basic gross loss analysis included the following steps. The data were arranged into accident year loss development triangles for each data set as follows: (1) paid loss and ALE, (2) incurred claim amounts for large claims (for evaluations at 6/30/92 and subsequent), (3) incurred claim amounts excluding large claims, (4) total incurred loss and ALE, (5) incurred claim counts, (6) the ratio of claims closed with payment to incurred claims, and (7) the ratio of paid loss and ALE expense to claims closed with payment. These data were used to produce four ultimate estimates of loss and allocated loss adjustment expense based on paid projections, average paid projections, total reported paid plus outstanding projections, and reported paid plus outstanding projections from underlying large claims and all other claims separately.

The ultimate estimates for each of these development triangles were derived by first calculating age-to-age development factors by accident year. These factors were then averaged in several different ways (e.g., latest two year average, latest three year average, latest four year average, etc.). From these various averages, three sets of factors were identified in an attempt to develop a range of estimates, the minimum of the various averages, the expected, and the maximum of the various averages. The expected factors were generally the five year weighted average for as many development periods as were available, then the four year weighted average, etc. These expected age-to-age development factors were then reviewed individually for each development period to assure their appropriateness and when necessary were overridden with a specific judgmental selection.

The selected age-to-age factors were then used to estimate the tail factor (factor to represent

development expected beyond the observed development period). This estimate was based on judgment and the results indicated by two mathematical approaches, the exponential and inverse power function curve fits, described in the paper "Extrapolating, Smoothing, and Interpolating Development Factors" by Richard E. Sherman (*Proceedings of the Casualty Actuarial Society*, Volume LXXI).

The tail factors were developed using an iterative trial and error procedure wherein the selected year-to-year development factors were matched with fitted estimates. Tail factors were selected based on a combination of visual inspection of the fitted versus actual values at each development point, the resultant projected fitted values beyond the actual development points, the reasonableness of the resultant size of the tail factor, calculated goodness-of-fit statistics, and observation of other external data and information. The selected loss development factors were combined with the selected tail factors to produce estimated ultimates by accident year and in total.

In addition, the Bornhuetter-Ferguson method as described in the paper "The Actuary and IBNR" by R. Bornhuetter and R. Ferguson (*Proceedings of the Casualty Actuarial Society*, Volume LIX) was utilized to produce ultimate loss and allocated loss adjustment expense indications at both actual and standard rates.

These methods produce seven independent estimates of ultimate loss and allocated loss adjustment expense. From these indications, ultimate values were selected using their implied statistics as a guideline.

Implied statistics include, the implied average unpaid loss by accident year, the implied average incurred loss by accident year, and the loss ratio by accident year. These are each compared with their present values excluding IBNR in order to evaluate the reasonableness of the selected ultimate loss and ALE for each fund year.

VIII. Detailed Analysis

A. Paid Loss Development Analysis

As would be expected, given the large proportion of large claim related loss and ALE, paid loss development has been very irregular. The average development factors were reasonably stable, however, for most development periods. Given the magnitude of the irregularity in the observed paid loss and ALE development factors, the selected factors for the later development periods (seventh and subsequent) were based on the maximum indication. The 3/2 development factor was set at the minimum indication. The 2/1 development factor which was set at the expected indication. For the remaining development periods, the selected development factors were also set at the expected indication. The resulting cumulative to ultimate development factor excluding tail factor was 3.082, which is above the indications. The tail factor was set at 1.1, between the inverse power indications, because it appeared to yield the most reasonable indicated ultimates by fund year and produced aggregate estimated ultimate loss and ALE for all fund years combined which was reasonably consistent with the incurred indication. The indicated ultimate loss and ALE for some fund years appeared to be overstated, particularly for the older fund years, while it also appeared to be

understated for some fund years such as FYE 6/22. This and other anomalies, such as indicated IBNR for years where no claims exist or are expected, will require adjustment in the selection of ultimate loss and ALE by fund year.

These selections produce an indicated gross ultimate loss and allocated loss adjustment expense amount of \$30,843,738 for all fund years combined. Subtraction of the gross paid plus outstanding loss and allocated loss adjustment expense of \$26,227,523 yields an indicated gross IBNR of \$4,616,215. These results are displayed on Exhibit 2, page 2 and Appendix 1 Page 1.

B. Incurred Loss Development Analysis

This method is applied in the same manner as the paid loss development method above. Specifically, over the pool's history, initial case reserve adequacy has varied significantly. The irregularity in the observed data could either be caused by case reserve setting practices or differences in emergence patterns of new claims between the first and second development periods. Examination of the incurred claim development patterns shows that the claim emergence patterns have not differed to the extent of the swings in reported incurred loss and ALE. Therefore, the observed aberrations in these data must be primarily due to case reserve setting practices.

The data resulting from Inservco claim handling show that for the 2/1 development period, the initial case reserve adequacy has fluctuated significantly. There were several instances of initial case reserve deficiency. Specifically, the initial case reserve deficiency rose to over 100% for FYE 6/15.

In contrast, FYE 6/16 developed only +3.7% in the first development period followed by 56% for FYE 6/17 and 49% for FYE 6/18. After two FYEs of relatively lower case reserve deficiencies, FYE 6/21 had an initial case reserve deficiency of 44%. An unusual case reserve redundancy of about 20% was observed for FYE 6/22. These data illustrate that there remain significant aberrations in the historical data. Therefore, these data provide little information upon which to base the selection of the 2/1 development factor for FYE 6/23.

As these data suggest, and as shown in Section IV of Appendix 2 Page 8, the expected incurred loss development pattern is very irregular. This is in direct violation of the assumptions underlying the reserving methods, which require consistent claim handling and reserving practices over time, i.e., a relatively consistent claim disposition rate and payment rate as well as a reasonably consistent degree of case reserve adequacy over time. Further, as noted above, the projection methods do not anticipate large swings in reported incurred loss and ALE such as these. The major source of these data irregularities arises from the development associated with large claims. Therefore, the presence of many large claims in a single year will, unless judgmentally removed from the data base, enter into the indicated ultimate loss value in a multiplicative way. Based on prior history, it can be expected that both the count and amount of large claims will increase for FYE 6/23 before ultimate settlement values are reached. In fact, the observed historical data are so erratic that statistical smoothing was not very effective. Therefore, the results produced by the projection methods may be highly variable.

These conditions raise a number of questions in the application of this method to estimate ultimate

loss and ALE as follows. (1) To what extent can historical development patterns be used to obtain reasonable estimates of ultimate loss and ALE? (2) At what point can the emergence of new large claims be expected to be complete? (3) At what point can large claim dollar development be expected to be complete? (4) What is the degree of adequacy of the current case reserves? (5) To what extent can development for the more recent fund years be expected to follow historical patterns from current to ultimate? The answers to these questions are crucial to estimating an appropriate reserve. As stated above, the observed incurred loss development patterns are such that the required assumption of consistent historical claim development patterns is severely violated. This renders the utilization of the methodology to estimate required ultimate loss and ALE by fund year highly variable for a given year. In the aggregate, the average development patterns likely produce a total ultimate loss and ALE for all fund years combined within an acceptable range of reasonableness. Individual year values are not reliably predictable from the data base provided until most large claims are near closure. Thus, there will probably be large swings in individual year estimated ultimate loss and ALE for several development periods.

Given these observations and numerous observations of historical data aberrations, the selected development factors were set at the average of the expected and maximum indicated values for the fourth and subsequent development periods. The 2/1 and 3/2 development factors were set at the expected indication. The tail factor was set at 1.04, just above the exponential indications. The resulting selected cumulative to ultimate development factor excluding tail factor was 1.986.

The resultant estimated gross ultimate loss was \$30,548,088 with gross implied IBNR of \$4,320,564

These results are shown on Exhibit 2, page 2 and Appendix 1 Page 4.

C. Incurred Loss Development Analysis Including and Excluding Large Claims

As noted above, the underlying development pattern has been significantly distorted over time by the appearance and development of large claims over \$25,000. This can be observed in the following table which presents the original and current number and gross dollar value of large claims by fund year for fund years ended 1992 and subsequent. Note that there has been no adjustment for inflation over time related to the \$25,000 value.

Fund Year Ended June 30	Original Number of Large Claims	Number of Large Claims as of 6/30/23	Percentage Change	Original Reported Incurred Value	Reported Incurred Value at 6/30/23	Percentage Change
1992 to 2004	53	75	41.5%	\$2,499,361	\$4,964,450	98.6%
2005	7	9	28.6%	\$550,261	\$864,393	57.1%
2006	5	7	40.0%	\$156,215	\$322,944	106.7%
2007	3	8	166.7%	\$222,114	\$650,489	192.9%
2008	9	8	-11.1%	\$516,473	\$611,540	18.4%
2009	13	12	-7.7%	\$834,267	\$722,581	-13.4%
2010	7	9	28.6%	\$680,274	\$755,829	11.1%
2011	2	7	250.0%	\$97,226	\$345,558	255.4%
2012	5	6	20.0%	\$187,127	\$527,944	182.1%
2013	4	6	50.0%	\$204,315	\$508,902	149.1%
2014	6	7	16.7%	\$279,335	\$551,193	97.3%
2015	2	4	100.0%	\$66,512	\$408,147	513.6%
2016	8	7	-12.5%	\$416,921	\$486,647	16.7%

Fund Year Ended June 30	Original Number of Large Claims	Number of Large Claims as of 6/30/23	Percentage Change	Original Reported Incurred Value	Reported Incurred Value at 6/30/23	Percentage Change
2017	7	8	14.3%	\$309,176	\$834,655	170.0%
2018	6	10	66.7%	\$433,037	\$1,012,216	133.7%
2019	6	10	66.7%	\$285,458	\$476,296	66.9%
2020	3	7	133.3%	\$219,230	\$485,325	121.4%
2021	8	10	25.0%	\$615,045	\$993,576	61.5%
2022	5	2	-60.0%	\$251,075	\$121,324	-51.7%
2023	9	9	0.0%	\$628,303	\$628,303	0.0%
Total All*	168	221	31.5%	\$9,451,726	\$16,272,310	72.2%

*Total gross from 1992 through 2023

These data show that large claims, by fund year, have developed significantly, both in count and amount, from their initial values. Further, there were also interim fluctuations in these valuations. Overall large claim count development has been close to 35% from the initial report to the current value at 6/30/23. Large claim incurred loss development has remained close to 75% for all years on average. It should be noted that these cited 35% and 75% development values are understated because most of the development related to more recent fund years has not yet emerged.

Given the significant impact of large claims on the analysis of ultimate loss and allocated loss adjustment expense, evaluation of total ultimate loss using the underlying components, data including and excluding large claims was included in this analysis. Reported incurred loss development data for large claims over \$25,000 are shown on Appendix 2 Page 3 for all fund years beginning with the 6/92 evaluation. Reported incurred loss development data excluding large claims

over \$25,000 are shown on Appendix 2 Page 5.

The development patterns for claims less than \$25,000 were surprisingly erratic. However, initial reserves were generally adequate. Data for claims over \$25,000 are shown on Appendix 2 Page 3. These development patterns for claims over \$25,000 are very erratic. Further, initial reported incurred loss and ALE for these large claims has been generally significantly inadequate. These data show that it takes about five to six years or more for Inservco to set reasonably adequate case reserves for large claims over \$25,000 despite the fact that the majority of these claims are identified within the first development period.

Hence, development factors for claims over \$25,000 were set at the expected indication for the 1/2 and 3/2 development periods. The development factors for the next ten (4/3 through 13/12) development periods were set at the average of the expected and maximum indications. The remaining development factors (14/13 through 20/19) were set at the average of the expected and minimum indications. The tail factor was set at 1.02. Development factors for claim amounts capped at \$25,000 were set at the expected indicated values, but no less than 1.00, except for the 2/1 development period which was judgmentally set at a value of 1.1. The tail factor was set at 1.000.

The indications derived from these two data sets were added together to produce one estimated ultimate loss and allocated loss adjustment expense amount. The indicated gross ultimate loss and allocated loss adjustment expense amount is \$30,480,699 for all fund years combined. Subtraction of gross paid plus outstanding loss and allocated loss adjustment expense of \$26,227,523 yields an

indicated gross IBNR of \$4,253,176. These results are shown on Exhibit 2, page 2.

D. Average Paid Loss Development Analysis

This method consists of three underlying projections, the ultimate number of incurred claims, the ultimate ratio of claims to close with a payment (CWP ratio), and the ultimate average paid cost per claim to close with payment. For each of the completed projections, age-to-age factors and tail factors were selected with similar considerations as were identified for the paid loss and incurred loss projections discussed above. The indicated values were then reviewed and individual FYE selections were made so that the distortions within the estimates of each variable might be minimized. Each projection is discussed separately in the following subsections.

1. Incurred Claims

Historical incurred claim development has generally been smooth and predictable. About 95% of ultimate claims are reported within the first year. About 99% of ultimate claims are reported within two years. There were occasional anomalies in observed historical claim count development prior to the FYE 6/04. Development for subsequent years has been relatively more stable. An anomaly of a new claim for FYE 6/92 arose during fund year ended 6/16 and was shown as a large claim as of fund year ended 6/22. This claim for Harrigan (#2270004758), valued at \$30,919 as of 6/30/22, was twenty-five years late. This claim closed during the calendar year ended June 30, 2023 for less than \$25,000. This type of claim emergence is not expected to repeat in subsequent years and was

treated as a one time anomaly. Nonetheless, it is significant that such a claim did arise and could not have been anticipated based on the historical data.

Interval development factors were set at the expected indication for all development periods. The tail factor was continued at a value of 1.000 because no new claims are expected for FYE 6/04 and prior (despite the emergence of the FYE 6/92 claim noted above). Five additional claims are expected to be reported beyond the current 9,263 to result in 9,268 selected ultimate claims. The majority of the expected late claims are for the FYE 6/23.

2. Claims Closed With Payment

As noted above, claims closed with payment (CWPs) were not provided as of 6/30/97 or 6/30/98. Therefore, in order to preserve this procedure, the 6/30/97 values were estimated using a logical algorithm as explained in prior reports. These data values are now part of the historical data base and have essentially no effect on the current projections. Subsequent data by FYE through 6/30/23 included claims closed with payment. These actual and estimated claims closed with payment were related to reported incurred claims for the corresponding development point to derive the CWP ratios shown on Appendix 2 Page 11.

The historical CWP ratio has shown regular and predicable development patterns and little tail factor with only a few aberrations primarily in the first development period. Development factors were set at the minimum indicated values except for the first (2/1) development period which was set at the

average of the expected and minimum indications. The tail factor was set at 1.00. Based on the resultant indicated CWP ratios by fund year, selected ultimate CWPs were set for each fund year. The total expected number of CWPs for all fund years combined was 5,896 with CWP IBNR of 81.

3. Average Paid

The estimated claims closed with payment described above were also used to derive the estimated average reported incurred claim costs shown on Appendix 2 Page 13. As noted at prior reviews, the observed average paid development patterns were highly irregular. This arises from the changing payments in the numerator combined with the changing number of claims closed with payment in the denominator. The development factors were set at the maximum indication for the 4/3 and subsequent development periods except for the 6/5 and 12/11 development periods which were set at the average of the expected and maximum indications. The development factors were set at the minimum indication for the first two development periods. The tail factor was set at 1.015. The resulting indicated ultimates were judgmentally overridden with selected ultimates for some fund years based on the number of remaining claims, the implied average paid ultimate loss, and the implied average incurred ultimate loss derived from the projection methods.

The combination of the selected ultimate incurred claim counts, ultimate CWP ratio, and ultimate average paid loss per CWP by fund year produced implied ultimate loss and ALE by fund year based on the average paid method. These selections resulted in an overall indicated gross ultimate loss and ALE of \$28,191,539 for all fund years combined. Subtraction of the gross paid plus outstanding

loss and allocated loss adjustment expense yields an indicated gross IBNR of \$1,964,016. These results are displayed on Exhibit 2, page 2.

E. Bornheutter-Ferguson Analysis

The BF analysis utilizes three input parameters, premium, the claim payout pattern (age-to-age factors and tail factor) from the paid or incurred loss and allocated loss adjustment expense projection, and the initial expected loss ratio. The premium parameter is fixed and known (unless estimated) by fund year. Because the Pool grants a discount from standard premium, the method was calculated using both the actual and standard premium. In addition, both the paid and incurred claim payout patterns were applied to the standard premium parameter. The initial expected loss ratio was set such that the methods yielded reasonably consistent results. The selected initial loss ratio parameter was at the standard breakeven value of 65 for the standard premium paid and incurred methods for FYEs 6/05 and prior. FYE's 6/06 through 6/23 were assigned initial expected loss ratios of 45. These values were increased by 30 points when utilized with the actual collected premiums to compensate for the premium discount. These combinations of parameters resulted in three estimates of ultimate loss and allocated loss adjustment expense using this method.

The resulting indications were estimated gross ultimate loss and ALE of \$35,074,888, \$34,116,949, and \$32,426,911, respectively, for the BF actual, standard, and incurred methods. The corresponding indicated gross IBNR was \$8,847,365, \$7,889,426 and \$6,199,388. These results are displayed on Exhibit 2, page 2.

GLOSSARY

1. Known Cases--Claims which have been reported and entered on the records of the Pool.
2. Case Reserves--Money set aside to pay expected claim amounts for the known cases. Amounts are assigned to each open claim by claim adjusters based on the circumstances of the particular claim.
3. Unknown Cases--Claims which have occurred but have not been reported and entered on the records of the Pool. These claims are also called IBNR (Incurred But Not Reported) claims.
4. IBNR--See definition of Unknown Cases. IBNR also includes an aggregate amount for development on known cases. See definition of development.
5. Outstanding--The aggregate amount of the individual Case Reserves. This is abbreviated as OS on many of the Exhibits to save space.
6. Ultimate--The full or final settlement value for a claim. It also refers to the aggregate full or final settlement value for all claims combined, both known and unknown.
7. Development--The difference in the estimated ultimate value of a claim as evaluated at different

points in time, usually consecutive year ends. For example, if a claim is originally evaluated to warrant a payment of \$1,000 and next year is considered to warrant a payment of \$5,000, then there has been upward development of \$4,000. Development can also be downward from one period to the next. Development as used in the text refers to the aggregate sum of the development observed on all underlying claims.

8. Development Triangles--These are arrays of data which look like a triangle. The data are so arrayed so as to be able to easily observe development from one evaluation time to the next. For this report, the data are lined up in rows by fund year and then are observed at annual evaluation points (columns) until the current date.

Thus, the triangle format results. This format is used for analyzing any data triangle, such as the number of claims and average claim amounts, as well as the amount of claims.

9. Age-to-Age Development Factors--The observed claim values at successive evaluation points as shown in the loss development triangle are converted to ratios. For example, if a claim's value is estimated at \$1,000 at the first evaluation and at \$5,000 at the next evaluation, then the age-to-age factor is $5.0 = 5,000 / 1,000$.

10. Average Age-to-Age Factors--The age-to-age factors calculated for a given fund year are averaged with corresponding age-to-age factors for other fund years. For example, the first age-to-age factor for fund year 1985 may be 5.0 and the first age-to-age factor for the second fund year may be 4.7, then the simple average age-to-age factor for the first development period is 4.85.

Various kinds of averages may be calculated, such as simple or weighted, and for different combinations of fund years such as the most recent three or two, or five excluding the highest and lowest values, etc.

The purpose of age-to-age factors and average age-to-age factors is to discover the underlying claim development pattern over time.

11. Tail Factor--Age-to-age factors reveal the claim development pattern over time through the current period. There will generally be development beyond the current period. The amount of this development is estimated by assuming that the average age-to-age factors follow a mathematical pattern and fitting the observed data to the theoretical pattern. The expected remaining development can then be estimated from the theoretical pattern. Specifically, the tail factor represents the estimated remaining development expected to occur beyond the current period.

12. CWP--The number of Claims Closed With Payment.

13. CWOP--The number of Claims Closed Without Payment.

14. Allocated Loss Adjustment Expense (ALE)--Expenses paid to process claim payments which can be identified with specific claims. These expenses may include attorney fees, medical exam fees, inspection fees, etc.

15. Unallocated Loss Adjustment Expense (ULE)--Expenses paid to process claim payments which can not be identified with specific claims. These expenses may include salaries of internal claim

handling personnel, overhead costs of the claim handling facility such as heat and rent, etc.

16. Loss Adjustment Expense (LAE)--The sum of ALE and ULE.

17. Gross and Net--Gross data are on a direct basis without reinsurance while net data include reinsurance recoveries.

Workers' Compensation Insurance Pools
Morris Essex Insurance Group
Comparison of Actual and Selected Reserves (Net of Reinsurance)

Accident Yr Ended	ACTUAL NET @ 6/30/23			NET SELECTED @ 6/30/23				
	Pd + OS Loss & ALE	Paid ULE	Pd + OS Loss & LAE	Loss & ALE IBNR	ULE Reserve	Ultimate Loss & ALE	Ultimate ULE	Total Ult Loss & LAE
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
6/04 & Pr	\$10,140,413	\$773,857	\$10,914,270	\$5,000	\$0	\$10,145,413	\$773,857	\$10,919,270
6/05	1,092,637	53,640	1,146,277	2,500	0	1,095,137	53,640	1,148,777
6/06	543,811	58,100	601,911	2,500	0	546,311	58,100	604,411
6/07	846,127	63,933	910,060	2,500	0	848,627	63,933	912,560
6/08	972,046	59,000	1,031,046	13,970	0	986,016	59,000	1,045,016
6/09	1,125,179	70,137	1,195,316	5,000	0	1,130,179	70,137	1,200,316
6/10	1,012,248	64,474	1,076,722	5,000	0	1,017,248	64,474	1,081,722
6/11	657,372	64,474	721,846	5,000	0	662,372	64,474	726,846
6/12	877,671	64,955	942,626	15,000	0	892,671	64,955	957,626
6/13	708,677	64,955	773,632	15,000	0	723,677	64,955	788,632
6/14	829,998	66,255	896,253	45,002	0	875,000	66,255	941,255
6/15	653,191	66,255	719,446	15,000	0	668,191	66,255	734,446
6/16	710,783	67,580	778,363	114,217	0	825,000	67,580	892,580
6/17	1,002,632	65,597	1,068,229	97,368	0	1,100,000	65,597	1,165,597
6/18	1,207,278	66,908	1,274,186	92,722	0	1,300,000	66,908	1,366,908
6/19	671,833	67,564	739,397	128,167	0	800,000	67,564	867,564
6/20	662,255	68,916	731,171	162,745	0	825,000	68,916	893,916
6/21	1,134,763	68,200	1,202,963	315,237	0	1,450,000	68,200	1,518,200
6/22	329,798	69,561	399,359	620,202	0	950,000	69,561	1,019,561
6/23	925,428	68,200	993,628	474,572	0	1,400,000	68,200	1,468,200
Total	\$26,104,140	\$2,012,561	\$28,116,701	\$2,136,703	\$0	\$28,240,842	\$2,012,561	\$30,253,403
Total to Pr Yr	\$25,178,712	\$1,944,361	\$27,123,073	\$1,662,130	\$0	\$26,840,842	\$1,944,361	\$28,785,203

Accident Yr Ended	NET SELECTED @ 6/30/22					SELECTED @ 6/23 - SELECTED @ 6/22				
	Loss & ALE IBNR	ULE Reserve	Ultimate Loss & ALE	Ultimate ULE	Total Ult Loss & LAE	Ultimate Loss & ALE	Ultimate ULE	Total Ult Loss & LAE	%Yr/Yr Difference Loss & LAE	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
6/04 & Pr	\$7,500	0	10,064,518	773,857	10,838,375	\$80,895	\$0	\$80,895	0.7%	
6/05	2,500	0	1,095,137	53,640	1,148,777	0	0	0	0.0%	
6/06	2,500	0	546,311	58,100	604,411	0	0	0	0.0%	
6/07	2,500	0	848,627	63,933	912,560	0	0	0	0.0%	
6/08	13,970	0	986,016	59,000	1,045,016	0	0	0	0.0%	
6/09	5,000	0	1,130,179	70,137	1,200,316	0	0	0	0.0%	
6/10	5,000	0	1,017,248	64,474	1,081,722	0	0	0	0.0%	
6/11	5,000	0	662,372	64,474	726,846	0	0	0	0.0%	
6/12	15,000	0	773,635	64,955	838,590	119,036	0	119,036	14.2%	
6/13	46,932	0	750,000	64,955	814,955	(26,323)	0	(26,323)	-3.2%	
6/14	30,092	0	875,000	66,255	941,255	0	0	0	0.0%	
6/15	42,674	0	825,000	66,255	891,255	(156,809)	0	(156,809)	-17.6%	
6/16	134,247	0	825,000	67,580	892,580	0	0	0	0.0%	
6/17	98,527	0	1,050,000	65,597	1,115,597	50,000	0	50,000	4.5%	
6/18	144,560	0	1,300,000	66,908	1,366,908	0	0	0	0.0%	
6/19	196,779	0	800,000	67,564	867,564	0	0	0	0.0%	
6/20	159,809	0	850,000	68,916	918,916	(25,000)	0	(25,000)	-2.7%	
6/21	295,515	0	1,450,000	68,200	1,518,200	0	0	0	0.0%	
6/22	742,007	0	1,150,000	69,561	1,219,561	(200,000)	0	(200,000)	-16.4%	
Total	\$1,950,113	\$0	\$26,999,043	\$1,944,361	\$28,943,404	(\$158,201)	\$0	(\$158,201)	-0.5%	

Workers' Compensation Insurance Pools
Morris Essex Insurance Group
Summary of Results--Losses--Indicated and Selected Ultimates (Full Settlement Values), Gross and Net of Reinsurance

I. Actual Paid and OS Loss and ALE--Indicated and Selected Ultimates--Gross of Reinsurance Recoverables

Accident Yr Ended	Actual Gross Loss & ALE @6/30/23*			Indicated Gross Ultimate Loss & ALE							Average of Indications	Selected Gross Ultimate	Implied Gross IBNR
	Paid	OS	Paid + OS	Development Methods			Avg Pd	BF Methods					
				Paid	Incurred Sum**	Incurred		Actual	Standard	Incurred*			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
6/04 & Pr	\$10,153,000	\$110,796	\$10,263,796	\$11,168,300	\$10,393,459	\$10,674,348	\$10,308,454	\$11,623,878	\$11,538,770	\$10,850,084	\$10,898,165	\$10,268,796	\$5,000
6/05	1,092,637	0	1,092,637	1,201,901	1,109,926	1,136,343	1,092,637	1,216,177	1,205,903	1,140,558	1,150,257	1,095,137	2,500
6/06	543,811	0	543,811	598,450	551,478	565,564	543,811	661,652	649,164	588,193	593,310	546,311	2,500
6/07	846,127	0	846,127	931,143	861,760	879,975	846,127	979,856	968,328	897,608	905,609	848,627	2,500
6/08	957,391	14,654	972,046	1,054,560	990,075	1,013,998	977,657	1,093,504	1,082,587	1,028,260	1,031,013	986,016	13,970
6/09	1,125,179	0	1,125,179	1,240,463	1,147,396	1,175,367	1,125,179	1,269,597	1,258,121	1,186,260	1,193,653	1,130,179	5,000
6/10	1,012,248	0	1,012,248	1,134,390	1,033,503	1,057,399	1,012,248	1,189,450	1,175,095	1,076,830	1,090,754	1,017,248	5,000
6/11	657,372	0	657,372	742,246	669,435	694,023	657,372	860,196	843,261	743,220	744,584	662,372	5,000
6/12	794,192	83,479	877,671	897,601	897,446	927,141	894,600	1,007,118	988,660	967,739	947,117	892,671	15,000
6/13	708,677	0	708,677	849,242	765,667	787,761	708,677	1,026,720	1,014,431	894,125	866,230	723,677	15,000
6/14	784,920	45,077	829,998	995,849	932,419	961,768	900,000	1,195,960	1,163,533	1,074,904	1,038,097	875,000	45,002
6/15	653,191	0	653,191	836,266	745,127	771,237	653,191	1,078,031	1,010,294	902,865	860,125	668,191	15,000
6/16	646,191	64,592	710,783	835,308	840,589	859,569	798,487	1,099,107	1,008,017	987,412	932,197	825,000	114,217
6/17	824,675	177,958	1,002,632	1,111,152	1,364,990	1,318,942	1,150,000	1,325,790	1,280,794	1,426,908	1,311,237	1,100,000	97,368
6/18	1,116,495	90,783	1,207,278	1,625,009	1,687,378	1,619,766	1,386,000	1,730,808	1,672,407	1,659,673	1,626,005	1,300,000	92,722
6/19	626,592	45,241	671,833	1,058,075	935,658	930,082	857,600	1,443,154	1,367,522	1,176,317	1,118,389	800,000	128,167
6/20	605,849	56,407	662,255	1,119,547	1,017,534	988,791	826,500	1,535,010	1,467,683	1,282,531	1,186,342	825,000	162,745
6/21	767,766	366,997	1,134,763	1,536,243	1,938,158	1,735,258	1,420,000	1,719,957	1,645,858	1,742,218	1,700,241	1,450,000	315,237
6/22	221,268	108,531	329,798	485,545	456,658	539,345	675,000	1,257,324	1,151,716	993,964	845,668	950,000	620,202
6/23	419,586	505,842	925,428	1,422,446	2,142,043	1,911,409	1,358,000	1,761,601	1,624,806	1,807,242	1,767,517	1,400,000	474,572
Total	\$24,557,167	\$1,670,356	\$26,227,523	\$30,843,738	\$30,480,699	\$30,548,088	\$28,191,539	\$35,074,888	\$34,116,949	\$32,426,911	\$31,806,512	\$28,364,225	\$2,136,703

II. Actual Paid ULE, Selected Reserve and Ultimate, Calculation of Net IBNR, Total Net Loss and LAE.

Accident Yr Ended	ULE			Reinsurance Retention	Actual Net Loss & ALE @6/30/23****			Net Selected Ultimate	Net Selected IBNR	Total Net Loss & LAE	
	Paid	Reserve***	Total		Paid	OS	Paid + OS			Paid + OS	Ultimate
(1)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
6/04 & Pr	\$773,857	\$0	\$773,857	300,000	\$10,029,617	\$110,796	\$10,140,413	\$10,145,413	\$5,000	\$10,914,270	\$10,919,270
6/05	53,640	0	53,640	350,000	1,092,637	0	1,092,637	1,095,137	2,500	1,146,277	1,148,777
6/06	58,100	0	58,100	350,000	543,811	0	543,811	546,311	2,500	601,911	604,411
6/07	63,933	0	63,933	350,000	846,127	0	846,127	848,627	2,500	910,060	912,560
6/08	59,000	0	59,000	350,000	957,391	14,654	972,046	986,016	13,970	1,031,046	1,045,016
6/09	70,137	0	70,137	350,000	1,125,179	0	1,125,179	1,130,179	5,000	1,195,316	1,200,316
6/10	64,474	0	64,474	350,000	1,012,248	0	1,012,248	1,017,248	5,000	1,076,722	1,081,722
6/11	64,474	0	64,474	350,000	657,372	0	657,372	662,372	5,000	721,846	726,846
6/12	64,955	0	64,955	350,000	794,192	83,479	877,671	892,671	15,000	942,626	957,626
6/13	64,955	0	64,955	400,000	708,677	0	708,677	723,677	15,000	773,632	788,632
6/14	66,255	0	66,255	500,000	784,920	45,077	829,998	875,000	45,002	896,253	941,255
6/15	66,255	0	66,255	500,000	653,191	0	653,191	668,191	15,000	719,446	734,446
6/16	67,580	0	67,580	500,000	646,191	64,592	710,783	825,000	114,217	778,363	892,580
6/17	65,597	0	65,597	500,000	824,675	177,958	1,002,632	1,100,000	97,368	1,068,229	1,165,597
6/18	66,908	0	66,908	500,000	1,116,495	90,783	1,207,278	1,300,000	92,722	1,274,186	1,366,908
6/19	67,564	0	67,564	500,000	626,592	45,241	671,833	800,000	128,167	739,397	867,564
6/20	68,916	0	68,916	500,000	605,849	56,407	662,255	825,000	162,745	731,171	893,916
6/21	68,200	0	68,200	500,000	767,766	366,997	1,134,763	1,450,000	315,237	1,202,963	1,518,200
6/22	69,561	0	69,561	500,000	221,268	108,531	329,798	950,000	620,202	399,359	1,019,561
6/23	68,200	0	68,200	500,000	419,586	505,842	925,428	1,400,000	474,572	993,628	1,468,200
Total	\$2,012,561	\$0	\$2,012,561		\$24,433,784	\$1,670,356	\$26,104,140	\$28,240,842	\$2,136,703	\$28,116,701	\$30,253,403

*Current Paid Loss and ALE were taken from the Inservco Reports (net of recoveries).

**Based on separate projection of reported incurred loss for large claims over \$25,000 and all other claims.

***No ULE reserve is required because the ULE fee paid to Inservco covers all future claim processing costs.

****Net values including recoveries received and recoverables were estimated using the large claim report and the reinsurance retention limit and the large loss report provided by Inservco.

Workers' Compensation Insurance Pools
Morris Essex Insurance Group
Summary of Results--Statistics Implied by the Selected Ultimates (Full Settlement Values)--Losses and ALE

I. Actual Net as of 6/30/23												
Accident Yr Ended	Actual Premium	Paid Loss	OS Loss	Paid + OS Loss	Claims CWP	Claims CWOP	Claims OS	Incurred Claims	Average Pd Loss Per CWP	Average OS Loss	Average Incurred Loss	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
6/04 & Pr	\$17,031,215	\$10,029,617	\$110,796	\$10,140,413	3,263	2,029	1	5,293	\$3,074	\$110,796	\$1,916	
6/05	1,430,451	1,092,637	0	1,092,637	210	62	0	272	5,203		4,017	
6/06	1,720,900	543,811	0	543,811	197	61	0	258	2,760		2,108	
6/07	1,952,897	846,127	0	846,127	173	65	0	238	4,891		3,555	
6/08	1,969,620	957,391	14,654	972,046	188	72	1	261	5,093	14,654	3,724	
6/09	2,071,937	1,125,179	0	1,125,179	200	76	0	276	5,626		4,077	
6/10	2,194,341	1,012,248	0	1,012,248	161	95	0	256	6,287		3,954	
6/11	2,365,000	657,372	0	657,372	177	81	0	258	3,714		2,548	
6/12	2,464,292	794,192	83,479	877,671	141	87	1	229	5,633	83,479	3,833	
6/13	2,562,000	708,677	0	708,677	135	99	0	234	5,249		3,029	
6/14	2,587,500	784,920	45,077	829,998	124	87	1	212	6,330	45,077	3,915	
6/15	2,587,500	653,191	0	653,191	104	67	0	171	6,281		3,820	
6/16	2,667,300	646,191	64,592	710,783	118	60	2	180	5,476	32,296	3,949	
6/17	2,591,550	824,675	177,958	1,002,632	110	64	5	179	7,497	35,592	5,601	
6/18	2,617,465	1,116,495	90,783	1,207,278	124	66	2	192	9,004	45,391	6,288	
6/19	2,669,814	626,592	45,241	671,833	126	63	2	191	4,973	22,621	3,517	
6/20	2,700,000	605,849	56,407	662,255	85	37	2	124	7,128	28,203	5,341	
6/21	2,538,000	767,766	366,997	1,134,763	65	39	7	111	11,812	52,428	10,223	
6/22	2,538,000	221,268	108,531	329,798	67	76	9	152	3,303	12,059	2,170	
6/23	2,538,000	419,586	505,842	925,428	47	75	54	176	8,927	9,367	5,258	
Total	\$61,797,782	\$24,433,784	\$1,670,356	\$26,104,140	5,815	3,361	87	9,263	\$4,202	\$19,199	\$2,818	

II. Estimated Net Ultimates (Full Settlement Values)													
Accident Yr Ended	Net Selected IBNR	Net Ultimate Loss	Final Selected Net Loss CDF	Claims CWP	Incurred Claims	Estimated Remaining Claims	Estimated Remaining Claims to CWP	Implied Average Cost Per CWP	Implied Average Cost Per Inc'd Claim	Claims Per \$1 Million Payroll	Average Cost Per \$1 Million Payroll	Net Loss Ratio	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
6/04 & Pr	\$5,000	\$10,145,413	1.012	3,264	5,293	1	1	\$3,108	\$1,917	2.14	\$4,097	59.6%	
6/05	2,500	1,095,137	1.002	210	272	0	0	5,215	4,026	1.27	5,127	76.6%	
6/06	2,500	546,311	1.005	197	258	0	0	2,773	2,117	1.13	2,392	31.7%	
6/07	2,500	848,627	1.003	173	238	0	0	4,905	3,566	0.93	3,333	43.5%	
6/08	13,970	986,016	1.030	189	261	1	1	5,217	3,778	1.10	4,144	50.1%	
6/09	5,000	1,130,179	1.004	200	276	0	0	5,651	4,095	1.11	4,566	54.5%	
6/10	5,000	1,017,248	1.005	161	256	0	0	6,318	3,974	0.99	3,914	46.4%	
6/11	5,000	662,372	1.008	177	258	0	0	3,742	2,567	0.95	2,441	28.0%	
6/12	15,000	892,671	1.124	142	229	1	1	6,286	3,898	0.86	3,344	36.2%	
6/13	15,000	723,677	1.021	135	234	0	0	5,361	3,093	0.86	2,673	28.2%	
6/14	45,002	875,000	1.115	125	212	1	1	7,000	4,127	0.82	3,386	33.8%	
6/15	15,000	668,191	1.023	104	171	0	0	6,425	3,908	0.64	2,508	25.8%	
6/16	114,217	825,000	1.277	120	180	2	2	6,875	4,583	0.65	3,001	30.9%	
6/17	97,368	1,100,000	1.334	115	179	5	5	9,565	6,145	0.66	4,060	42.4%	
6/18	92,722	1,300,000	1.164	126	192	2	2	10,317	6,771	0.70	4,716	49.7%	
6/19	128,167	800,000	1.277	128	191	2	2	6,250	4,188	0.68	2,848	30.0%	
6/20	162,745	825,000	1.362	87	124	2	2	9,483	6,653	0.44	2,912	30.6%	
6/21	315,237	1,450,000	1.889	71	111	7	6	20,423	13,063	0.40	5,171	57.1%	
6/22	620,202	950,000	4.293	75	153	10	8	12,667	6,209	0.53	3,305	37.4%	
6/23	474,572	1,400,000	3.337	97	180	58	50	14,433	7,778	0.66	5,104	55.2%	
Total	\$2,136,703	\$28,240,842		5,896	9,268	92	81	\$4,790	\$3,047	1.24	\$3,776	45.7%	

(9)=(6)+(7)+(8)
(10)=(3)/(6)

(11)=(4)/(8)
(12)=(5)/(9)

(20)=(14)/(16)
(21)=(14)/(17)

(24)=(14)/(1)

APPENDICES

Workers' Compensation Insurance Pools

Appendix 1 P1

Account: Morris Essex Insurance Group

3/19/2024

Data: Accident Year Paid Loss and ALE from BRM and Inservco, Inc.
Data as of 6/30/23

Accident Yr Ended	Current Paid	Estimated Ultimate	Current Pd+OS	Estimated IBNR	Prior Year Paid
6/04 & Pr	10,153,000	11,168,300	10,263,796	904,504	10,202,141
6/05	1,092,637	1,201,901	1,092,637	109,265	1,092,637
6/06	543,811	598,450	543,811	54,640	543,811
6/07	846,127	931,143	846,127	85,016	846,127
6/08	957,391	1,054,560	972,046	82,514	955,717
6/09	1,125,179	1,240,463	1,125,179	115,283	1,125,179
6/10	1,012,248	1,134,390	1,012,248	122,142	1,012,248
6/11	657,372	742,246	657,372	84,874	657,372
6/12	794,192	897,601	877,671	19,930	670,551
6/13	708,677	849,242	708,677	140,565	604,443
6/14	784,920	995,849	829,998	165,851	779,108
6/15	653,191	836,266	653,191	183,075	652,026
6/16	646,191	835,308	710,783	124,525	637,690
6/17	824,675	1,111,152	1,002,632	108,520	768,710
6/18	1,116,495	1,625,009	1,207,278	417,731	718,516
6/19	626,592	1,058,075	671,833	386,242	509,149
6/20	605,849	1,119,547	662,255	457,292	516,603
6/21	767,766	1,536,243	1,134,763	401,480	705,483
6/22	221,268	485,545	329,798	155,747	125,381
6/23	419,586	1,422,446	925,428	497,018	
Total All Years	24,557,167	30,843,738	26,227,523	4,616,215	23,122,890
Total @ Prior Yr	24,137,581	29,421,291	25,302,095	4,119,196	22,997,509

Workers' Compensation Insurance Pools

Appendix 1 P2

Account: Morris Essex Insurance Group

3/19/2024

Data: Accident Year Incurred Loss and Allocated

Loss Adjustment Expense for Large Claims over \$25,000

Data as of 6/30/23

Accident Yr Ended	Current Pd+OS	Estimated Ultimate	Estimated IBNR
6/04 & Pr	6,483,124	6,612,787	129,662
6/05	864,393	881,682	17,289
6/06	322,944	330,610	7,667
6/07	650,489	666,121	15,632
6/08	611,540	626,236	14,697
6/09	722,581	739,947	17,366
6/10	755,829	773,995	18,166
6/11	345,558	353,864	8,306
6/12	627,944	644,710	16,766
6/13	508,902	563,484	54,583
6/14	551,193	650,254	99,061
6/15	408,147	497,129	88,983
6/16	486,647	613,402	126,755
6/17	834,655	1,191,577	356,922
6/18	1,012,216	1,486,003	473,788
6/19	476,296	733,792	257,497
6/20	485,325	834,877	349,553
6/21	993,576	1,792,402	798,826
6/22	121,324	241,437	120,113
6/23	628,303	1,804,627	1,176,324
Total All Years	17,890,984	22,038,937	4,147,953
Total @ Prior Yr	17,262,682	20,234,311	2,971,629

Workers' Compensation Insurance Pools Appendix 1 P3
 Account: Morris Essex Insurance Group 3/19/2024
 Data: Incurred Loss and ALE per Inservco
 Reports excluding Large Claims over \$25,000
 Data as of 6/30/23

Accident Yr Ended	Current Pd+OS	Estimated Ultimate	Estimated IBNR
6/04 & Pr	3,780,672	3,780,672	0
6/05	228,244	228,244	0
6/06	220,867	220,868	0
6/07	195,638	195,639	1
6/08	360,506	363,838	3,332
6/09	402,598	407,448	4,850
6/10	256,419	259,508	3,089
6/11	311,814	315,571	3,757
6/12	249,726	252,736	3,009
6/13	199,776	202,183	2,407
6/14	278,804	282,164	3,360
6/15	245,045	247,998	2,953
6/16	224,136	227,187	3,051
6/17	167,977	173,413	5,436
6/18	195,062	201,375	6,313
6/19	195,537	201,866	6,328
6/20	176,931	182,657	5,726
6/21	141,186	145,756	4,570
6/22	208,474	215,222	6,748
6/23	297,125	337,417	40,291
Total All Years	8,336,539	8,441,761	105,223
Total @ Prior Yr	8,039,413	8,104,345	64,932

Workers' Compensation Insurance Pools

Appendix 1 P4

Account: Morris Essex Insurance Group

3/19/2024

Data: Incurred Loss and Allocated Loss Adjustment Expense per Inservco Reports*

Data as of 6/30/23

Accident Yr Ended	Current Pd+OS	Estimated Ultimate	Estimated IBNR	Current Paid	Prior Year Pd+OS	Current OS
6/04 & Pr	10,263,796	10,674,348	410,552	10,153,000	10,436,336	110,796
6/05	1,092,637	1,136,343	43,707	1,092,637	1,092,637	0
6/06	543,811	565,564	21,754	543,811	543,811	0
6/07	846,127	879,975	33,848	846,127	846,127	0
6/08	972,046	1,013,998	41,952	957,391	972,046	14,654
6/09	1,125,179	1,175,367	50,188	1,125,179	1,125,179	0
6/10	1,012,248	1,057,399	45,152	1,012,248	1,012,248	0
6/11	657,372	694,023	36,651	657,372	657,372	0
6/12	877,671	927,141	49,470	794,192	758,635	83,479
6/13	708,677	787,761	79,084	708,677	703,068	0
6/14	829,998	961,768	131,770	784,920	844,908	45,077
6/15	653,191	771,237	118,046	653,191	782,326	0
6/16	710,783	859,569	148,786	646,191	690,753	64,592
6/17	1,002,632	1,318,942	316,310	824,675	951,473	177,958
6/18	1,207,278	1,619,766	412,488	1,116,495	1,155,440	90,783
6/19	671,833	930,082	258,248	626,592	603,221	45,241
6/20	662,255	988,791	326,536	605,849	690,191	56,407
6/21	1,134,763	1,735,258	600,495	767,766	1,154,485	366,997
6/22	329,798	539,345	209,547	221,268	407,993	108,531
6/23	925,428	1,911,409	985,981	419,586		505,842
Total All Years	26,227,523	30,548,088	4,320,565	24,557,167	25,428,248	1,670,356
Total @ Prior Yr	25,302,095	28,636,678	3,334,583	24,137,581	25,020,255	1,164,514

*Data from the Pool's inception to June 30, 1997 arose from Rasmussen claim handling practices. Subsequent experience from June 30, 1998 to present arose from Inservco claim handling practices.

These supplementary historical data were obtained from Lofberg, Inc. which had retained the paid and outstanding loss and allocated loss adjustment expense amounts.

Workers' Compensation Insurance Pools

Appendix 1 P5

Account: Morris Essex Insurance Group

3/19/2024

Data: Incurred Claims from BRM and Inservco, Inc.

Data as of 6/30/23

Accident Yr Ended	Current Amount	Estimated Ultimate	Selected Ultimate	Estimated IBNR
6/04 & Pr	5,293	5,293	5,293	0
6/05	272	272	272	0
6/06	258	258	258	0
6/07	238	238	238	0
6/08	261	261	261	0
6/09	276	276	276	0
6/10	256	256	256	0
6/11	258	258	258	0
6/12	229	229	229	0
6/13	234	234	234	0
6/14	212	212	212	0
6/15	171	171	171	0
6/16	180	180	180	0
6/17	179	179	179	0
6/18	192	192	192	0
6/19	191	191	191	0
6/20	124	124	124	0
6/21	111	111	111	0
6/22	152	152	153	1
6/23	176	178	180	4
Total All Years	9,263	9,267	9,268	5
Total @ Prior Yr	9,087	9,089	9,088	1

Workers' Compensation Insurance Pools

Appendix 1 P6

Account: Morris Essex Insurance Group

3/19/2024

Data: Claims Closed with Payment/Incurred Claims

Data as of 6/30/23

Accident Yr Ended	Current Amount	Estimated Ultimate	Selected Ultimate	CWP IBNR	CWP Ultimate	CWP Current
6/04 & Pr	0.616	0.616	0.617	1	3264	3263
6/05	0.772	0.773	0.772	0	210	210
6/06	0.764	0.765	0.764	0	197	197
6/07	0.727	0.728	0.727	0	173	173
6/08	0.720	0.721	0.724	1	189	188
6/09	0.725	0.726	0.725	0	200	200
6/10	0.629	0.630	0.629	0	161	161
6/11	0.686	0.687	0.686	0	177	177
6/12	0.616	0.617	0.620	1	142	141
6/13	0.577	0.578	0.577	0	135	135
6/14	0.585	0.586	0.590	1	125	124
6/15	0.608	0.609	0.608	0	104	104
6/16	0.656	0.656	0.667	2	120	118
6/17	0.615	0.615	0.642	5	115	110
6/18	0.646	0.649	0.656	2	126	124
6/19	0.660	0.663	0.670	2	128	126
6/20	0.685	0.691	0.702	2	87	85
6/21	0.586	0.596	0.640	6	71	65
6/22	0.441	0.450	0.490	8	75	67
6/23	0.267	0.396	0.539	50	97	47
Total All Years	0.628	0.631	0.636	81	5,896	5,815
Total @ Prior Yr	0.635	0.636	0.638	31	5,799	5,768

Workers' Compensation Insurance Pools

Appendix 1 P7

Account: Morris Essex Insurance Group

3/19/2024

Data: Paid Loss and ALE/Claims Closed with Payment

Data as of 6/30/23

Accident Yr Ended	Current Amount	Estimated Ultimate	Selected Ultimate	Implied Ult @ Pd Est	Implied Ult @ Inc'd Est
6/04 & Pr	\$3,112	3,158	3,158	2,026	3,270
6/05	\$5,203	5,281	5,203	4,198	5,411
6/06	\$2,760	2,803	2,760	1,678	2,871
6/07	\$4,891	4,966	4,891	3,850	5,087
6/08	\$5,093	5,173	5,173	3,313	5,365
6/09	\$5,626	5,720	5,626	3,700	5,877
6/10	\$6,287	6,478	6,287	4,807	6,568
6/11	\$3,714	3,846	3,714	1,999	3,921
6/12	\$5,633	5,839	6,300	4,540	6,529
6/13	\$5,249	5,787	5,249	4,174	5,835
6/14	\$6,330	7,548	7,200	5,202	7,694
6/15	\$6,281	7,599	6,281	4,780	7,416
6/16	\$5,476	6,654	6,654	5,112	7,163
6/17	\$7,497	9,460	10,000	10,362	11,469
6/18	\$9,004	12,144	11,000	11,794	12,855
6/19	\$4,973	8,132	6,700	5,733	7,266
6/20	\$7,128	13,204	9,500	9,596	11,365
6/21	\$11,812	23,706	20,000	25,245	24,440
6/22	\$3,303	7,042	9,000	3,219	7,191
6/23	\$8,927	19,037	14,000	18,604	19,705
Total All Years	\$4,276	\$5,034	\$4,781	\$3,738	\$5,181
Total @ Prior Yr	\$4,198	\$4,800	\$4,627	\$3,489	\$4,938

Workers' Compensation Insurance Pools
Account: Morris Essex Insurance Group
Data: Accident Year Paid Loss and ALE from BRM and Inservco, Inc.
Data as of 6/30/23

I. Raw Data																				
Accident Yr Ended	Development Period																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6/04 & Pr	2,955,480	5,206,880	6,798,647	7,660,731	8,395,306	8,908,646	9,344,789	9,710,000	9,811,989	9,958,081	10,026,984	10,090,304	10,097,199	10,121,779	10,191,444	10,200,120	10,211,051	10,197,744	10,202,141	10,153,000
6/05	202,143	522,441	630,804	679,475	885,469	905,325	920,434	1,081,837	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637
6/06	180,860	346,873	415,988	424,116	512,519	543,566	543,646	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811
6/07	174,780	451,995	487,012	530,996	596,982	709,608	788,324	797,893	803,102	804,517	808,559	813,692	815,932	819,074	846,127	846,127	846,127	846,127		
6/08	303,199	744,416	805,871	844,963	888,800	896,252	944,065	945,661	952,346	952,346	953,749	954,641	955,717	955,717	955,717	957,391				
6/09	567,385	785,690	884,439	987,464	990,049	993,876	1,042,752	1,065,151	1,108,257	1,108,257	1,109,400	1,109,872	1,109,872	1,125,179	1,125,179					
6/10	560,753	728,448	781,299	816,977	826,648	954,307	976,798	1,013,385	1,013,498	1,013,498	1,012,248	1,012,248	1,012,248	1,012,248						
6/11	181,894	383,641	454,531	566,120	602,876	631,490	656,861	656,861	657,372	657,372	657,372	657,372	657,372							
6/12	205,169	402,534	477,104	516,826	539,916	573,709	579,497	655,476	656,523	665,030	670,551	794,192								
6/13	189,760	458,914	498,237	525,715	561,733	569,621	596,204	603,468	603,468	604,443	708,677									
6/14	243,363	433,196	492,878	567,533	736,468	750,764	759,123	775,864	779,108	784,920										
6/15	187,243	457,806	523,796	537,359	524,055	574,527	649,448	652,026	653,191											
6/16	299,601	479,778	510,270	542,112	592,706	619,106	637,690	646,191												
6/17	241,707	542,048	614,316	638,486	729,071	768,710	824,675													
6/18	411,192	584,770	606,122	688,788	718,516	1,116,495														
6/19	286,708	465,467	508,832	509,149	626,592															
6/20	363,993	408,364	516,603	605,849																
6/21	356,733	705,483	767,766																	
6/22	125,381	221,268																		
6/23	419,586																			

II. Age-to-Age Factors																				
Accident Yr Ended	Age-to-Age Period																			
	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19	
6/04 & Pr	1.762	1.306	1.127	1.096	1.061	1.049	1.039	1.011	1.015	1.007	1.006	1.001	1.002	1.007	1.001	1.001	0.999	1.000	0.995	
6/05	2.585	1.207	1.077	1.303	1.022	1.017	1.175	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
6/06	1.918	1.199	1.020	1.208	1.061	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	
6/07	2.586	1.077	1.090	1.124	1.189	1.111	1.012	1.007	1.002	1.005	1.006	1.003	1.004	1.033	1.000	1.000	1.000	1.000	1.000	
6/08	2.455	1.083	1.049	1.052	1.008	1.053	1.002	1.007	1.000	1.001	1.001	1.001	1.000	1.000	1.002					
6/09	1.385	1.126	1.116	1.003	1.004	1.049	1.021	1.040	1.000	1.001	1.000	1.000	1.014	1.000						
6/10	1.299	1.073	1.046	1.012	1.154	1.024	1.037	1.000	1.000	0.999	1.000	1.000	1.000	1.000						
6/11	2.109	1.185	1.246	1.065	1.047	1.040	1.000	1.001	1.000	1.000	1.000	1.000								
6/12	1.962	1.185	1.083	1.045	1.063	1.010	1.131	1.002	1.013	1.008	1.184									
6/13	2.418	1.086	1.055	1.069	1.014	1.047	1.012	1.000	1.002	1.172										
6/14	1.780	1.138	1.151	1.298	1.019	1.011	1.022	1.004	1.007											
6/15	2.445	1.144	1.026	0.975	1.096	1.130	1.004	1.002												
6/16	1.601	1.064	1.062	1.093	1.045	1.030	1.013													
6/17	2.243	1.133	1.039	1.142	1.054	1.073														
6/18	1.422	1.037	1.136	1.043	1.554															
6/19	1.623	1.093	1.001	1.231																
6/20	1.122	1.265	1.173																	
6/21	1.978	1.088																		
6/22	1.765																			

*Data from the Pool's inception to June 30, 1997 arose from Rasmussen (BRM - Berkley Risk Managers) claim handling practices. Subsequent experience from June 30, 1998 to present arose from Inservco claim handling practices. Appendix 2 P1 3/19/2024

Workers' Compensation Insurance Pools
 Account: Morris Essex Insurance Group
 Data: Accident Year Paid Loss and ALE from BRM and Inservco, Inc.

III. Average Age-to-Age Factors (Summary)																			
Method	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19
2 yr. avg. (Prior Yr)	1.550	1.179	1.069	1.093	1.049	1.080	1.013	1.002	1.007	1.004	1.000	1.000	1.007	1.017	1.000	1.000	0.999		
yr. avg. (Current Yr)	1.871	1.177	1.087	1.137	1.304	1.051	1.009	1.003	1.005	1.090	1.092	1.000	1.007	1.000	1.001	1.000	1.000	1.000	
3 yr. avg. (Prior Yr)	1.574	1.132	1.059	1.093	1.065	1.057	1.013	1.002	1.005	1.002	1.000	1.000	1.006	1.011	1.000	1.000			
yr. avg. (Current Yr)	1.621	1.149	1.103	1.139	1.218	1.078	1.013	1.002	1.007	1.060	1.061	1.000	1.005	1.011	1.001	1.000	1.000		
3 yr. wtd. (Prior Yr)	1.568	1.119	1.062	1.091	1.063	1.052	1.013	1.002	1.005	1.002	1.000	1.000	1.006	1.012	1.000	1.001			
yr. wtd. (Current Yr)	1.578	1.135	1.106	1.129	1.227	1.076	1.014	1.002	1.008	1.057	1.053	1.000	1.005	1.009	1.001	1.000	0.999		
yr. 321 wtd. (Prior Yr)	1.633	1.170	1.052	1.084	1.058	1.060	1.011	1.002	1.005	1.004	1.000	1.000	1.008	1.011	1.000	1.000			
yr. 321 wtd. (Current Yr)	1.729	1.148	1.109	1.153	1.302	1.068	1.012	1.002	1.006	1.089	1.092	1.000	1.005	1.006	1.001	1.000	1.000		
9. 4 yr. avg. (Prior Yr)	1.536	1.132	1.060	1.063	1.054	1.055	1.042	1.002	1.004	1.002	1.000	1.001	1.004	1.008	1.000				
10. 4 yr. avg. (Current Yr)	1.622	1.121	1.087	1.127	1.187	1.061	1.013	1.002	1.006	1.045	1.046	1.000	1.004	1.008	1.000	1.000			
11. 4 yr. wtd. (Prior Yr)	1.525	1.123	1.062	1.065	1.051	1.051	1.040	1.002	1.003	1.002	1.000	1.001	1.005	1.008	1.001				
12. 4 yr. wtd. (Current Yr)	1.589	1.109	1.087	1.121	1.201	1.058	1.013	1.002	1.006	1.037	1.036	1.000	1.005	1.008	1.000	1.001			
13. 5 yr. avg. (Prior Yr)	1.678	1.118	1.053	1.110	1.046	1.046	1.034	1.001	1.003	1.002	1.002	1.001	1.004	1.008					
14. 5 yr. avg. (Current Yr)	1.582	1.123	1.082	1.097	1.154	1.058	1.037	1.002	1.004	1.036	1.037	1.001	1.004	1.007	1.001				
15. 5 yr. wtd. (Prior Yr)	1.630	1.111	1.055	1.110	1.044	1.043	1.032	1.001	1.002	1.002	1.001	1.001	1.004	1.007					
16. 5 yr. wtd. (Current Yr)	1.545	1.114	1.083	1.094	1.160	1.056	1.034	1.002	1.004	1.027	1.028	1.001	1.004	1.006	1.001				
17. 5 yrs x hi & lo (Prior Yr)	1.674	1.097	1.043	1.093	1.039	1.029	1.013	1.001	1.001	1.001	1.000	1.000	1.001	1.002					
18. 5 yrs x hi & lo (Current Yr)	1.603	1.105	1.079	1.093	1.065	1.050	1.016	1.001	1.003	1.003	1.000	1.000	1.001	1.000	1.000				
19. all yr. avg. (Prior Yr)	1.927	1.141	1.083	1.102	1.060	1.044	1.038	1.007	1.003	1.002	1.002	1.001	1.003	1.008	1.000	1.000	0.999	1.000	
20. all yr. avg. (Current Yr)	1.919	1.138	1.088	1.110	1.093	1.046	1.036	1.007	1.004	1.019	1.022	1.001	1.003	1.007	1.001	1.000	1.000	1.000	0.995
21. all yr. wtd. (Prior Yr)	1.783	1.194	1.100	1.095	1.059	1.046	1.039	1.010	1.009	1.005	1.004	1.001	1.003	1.007	1.001	1.001	0.999	1.000	
22. all yr. wtd. (Current Yr)	1.783	1.189	1.102	1.099	1.078	1.047	1.038	1.009	1.009	1.011	1.011	1.001	1.003	1.007	1.001	1.001	0.999	1.000	0.995

IV. Range of Age-to-Age Factors (Excluding Tail Factor)																			
Minimum	1.525	1.097	1.043	1.063	1.039	1.029	1.009	1.001	1.001	1.001	1.000	1.000	1.001	1.000	1.000	1.000	0.999	1.000	0.995
Expected	1.545	1.114	1.083	1.094	1.160	1.056	1.034	1.002	1.004	1.027	1.028	1.001	1.005	1.009	1.001	1.001	0.999	1.000	0.995
Maximum	1.927	1.194	1.109	1.153	1.304	1.080	1.042	1.010	1.009	1.090	1.092	1.001	1.008	1.017	1.001	1.001	1.000	1.000	0.995
Corrected Min	1.525	1.097	1.043	1.063	1.039	1.029	1.009	1.001	1.001	1.001	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000
Corrected Exp'd	1.545	1.114	1.083	1.094	1.160	1.056	1.034	1.002	1.004	1.027	1.028	1.001	1.005	1.009	1.001	1.001	1.000	1.000	1.000
Corrected Max	1.927	1.194	1.109	1.153	1.304	1.080	1.042	1.010	1.009	1.090	1.092	1.001	1.008	1.017	1.001	1.001	1.000	1.000	1.000
Cumulative Corr Min	2.009	1.317	1.201	1.152	1.083	1.042	1.012	1.004	1.003	1.002	1.002	1.002	1.002	1.000	1.000	1.000	1.000	1.000	1.000
Cumulative Corr Exp'd	2.792	1.807	1.623	1.499	1.370	1.180	1.118	1.080	1.079	1.074	1.046	1.017	1.016	1.011	1.002	1.001	1.000	1.000	1.000
Cumulative Corr Max	5.391	2.797	2.342	2.111	1.831	1.404	1.299	1.247	1.235	1.224	1.122	1.027	1.026	1.019	1.002	1.001	1.000	1.000	1.000

V. Selected Age-to-Age Factors --Excluding Tail Factor																			
Interval	1.545	1.097	1.083	1.094	1.160	1.080	1.042	1.010	1.009	1.059	1.060	1.001	1.008	1.017	1.001	1.001	1.000	1.000	1.000
Cumulative	3.082	1.995	1.819	1.680	1.535	1.323	1.225	1.175	1.164	1.153	1.089	1.027	1.026	1.019	1.002	1.001	1.000	1.000	1.000

VI. Selected Age-to-Age Factors --Including Tail Factor of																			
Cumulative	3.390	2.194	2.001	1.848	1.689	1.455	1.347	1.293	1.280	1.269	1.198	1.130	1.129	1.121	1.102	1.101	1.100	1.100	1.100

Workers' Compensation Insurance Pools

Account: Morris Essex Insurance Group

Data: Accident Year Incurred Loss and Allocated Loss Adjustment Expense for Large Claims over \$25,000. (Gross of Reinsurance)

Data as of 6/30/23

I. Raw Data*																				
Accident Yr Ended	Development Period																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6/04 & Pr	2,499,361	4,344,337	5,332,113	6,182,628	6,296,911	5,979,843	6,506,007	6,863,274	6,832,115	6,859,679	6,678,058	6,631,943	6,716,976	6,737,052	6,603,448	6,608,623	6,605,313	6,609,082	6,636,474	6,483,124
6/05	550,261	804,797	828,684	894,323	916,944	851,875	841,489	865,908	864,393	864,393	864,393	864,393	864,393	864,393	864,393	864,393	864,393	864,393	864,393	864,393
6/06	156,215	281,558	376,549	380,435	352,812	322,944	322,944	322,944	322,944	322,944	322,944	322,944	322,944	322,944	322,944	322,944	322,944	322,944	322,944	322,944
6/07	222,114	419,820	679,171	628,383	610,265	602,893	615,693	639,179	646,587	656,587	655,378	656,064	656,544	692,436	650,489	650,489	650,489	650,489		
6/08	516,473	793,164	689,746	775,888	759,903	789,267	679,004	610,011	591,840	611,540	611,540	611,540	611,540	611,540	611,540	611,540	611,540			
6/09	834,267	911,375	781,901	834,889	828,337	708,608	670,035	773,409	705,659	705,659	756,159	756,159	725,774	722,581	722,581					
6/10	680,274	725,913	728,609	797,750	802,851	761,073	768,312	757,079	757,079	757,079	755,829	755,829	755,829	755,829						
6/11	97,226	389,164	472,057	455,794	406,826	346,328	345,047	345,047	345,558	345,558	345,558	345,558	345,558							
6/12	187,127	336,117	349,537	329,545	336,373	385,504	383,504	431,622	406,797	438,803	508,909	627,944								
6/13	204,315	309,071	351,340	353,840	393,496	456,008	455,365	450,861	493,992	503,292	508,902									
6/14	279,335	236,723	375,885	483,979	486,412	483,888	534,021	528,093	551,193											
6/15	66,512	295,998	463,462	609,505	596,327	419,316	406,981	537,281	408,147											
6/16	416,921	459,129	476,568	438,877	459,015	493,292	466,617	486,647												
6/17	309,176	572,740	742,966	723,663	710,971	783,496	834,655													
6/18	433,037	711,037	705,797	797,176	929,272	1,012,216														
6/19	285,458	369,035	400,388	407,302	476,296															
6/20	219,230	366,851	527,231	485,325																
6/21	615,045	1,035,276	993,576																	
6/22	251,075	121,324																		
6/23	628,303																			

II. Age-to-Age Factors																				
Accident Yr Ended	Age-to-Age Period																			
	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19	
6/04 & Pr	1.738	1.227	1.160	1.018	0.950	1.088	1.055	0.995	1.004	0.974	0.993	1.013	1.003	0.980	1.001	0.999	1.001	1.004	0.977	
6/05	1.463	1.030	1.079	1.025	0.929	0.988	1.029	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
6/06	1.802	1.337	1.010	0.927	0.915	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	
6/07	1.890	1.618	0.925	0.971	0.988	1.021	1.038	1.012	1.015	0.998	1.001	1.001	1.055	0.939	1.000	1.000				
6/08	1.536	0.870	1.125	0.979	1.039	0.860	0.898	0.970	1.033	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
6/09	1.092	0.858	1.068	0.992	0.855	0.946	1.154	0.912	1.000	1.072	1.000	0.960	0.996	1.000						
6/10	1.067	1.004	1.095	1.006	0.948	1.010	0.985	1.000	1.000	0.998	1.000	1.000	1.000							
6/11	4.003	1.213	0.966	0.893	0.851	0.996	1.000	1.001	1.000	1.000	1.000	1.000								
6/12	1.796	1.040	0.943	1.021	1.146	0.995	1.125	0.942	1.079	1.160	1.234									
6/13	1.513	1.137	1.007	1.112	1.159	0.999	0.990	1.096	1.019	1.011										
6/14	0.847	1.588	1.288	1.005	0.995	1.104	0.989	1.044	1.000											
6/15	4.450	1.566	1.315	0.978	0.703	0.971	1.320	0.760												
6/16	1.101	1.038	0.921	1.046	1.075	0.946	1.043													
6/17	1.852	1.297	0.974	0.982	1.102	1.065														
6/18	1.642	0.993	1.129	1.166	1.089															
6/19	1.293	1.085	1.017	1.169																
6/20	1.673	1.437	0.921																	
6/21	1.683	0.960																		
6/22	0.483																			

*Data from the Pool's inception to June 30, 1997 arose from Rasmussen claim handling practices. Subsequent experience from June 30, 1998 to present arose from Inservco claim handling practices.

Workers' Compensation Insurance Pools

Account: Morris Essex Insurance Group

Data: Accident Year Incurred Loss and Allocated Loss Adjustment Expense for Large Claims over \$25,000. (Gross of Reinsurance)

III. Average Age-to-Age Factors (Summary)																			
Method	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19
2 yr. avg. (Prior Yr)	1.678	1.261	1.073	1.074	1.088	0.958	1.155	1.070	1.049	1.080	1.000	0.980	0.998	0.970	1.000				
yr. avg. (Current Yr)	1.083	1.198	0.969	1.168	1.096	1.006	1.182	0.902	1.009	1.085	1.117	1.000	0.998	1.000	1.000	1.000			
3 yr. avg. (Prior Yr)	1.550	1.172	1.040	1.065	0.960	1.007	1.100	1.027	1.033	1.053	1.000	0.987	1.017	0.980					
yr. avg. (Current Yr)	1.280	1.161	1.022	1.106	1.089	0.994	1.117	0.966	1.033	1.057	1.078	0.987	0.999	0.980	1.000				
3 yr. wtd. (Prior Yr)	1.582	1.129	1.043	1.071	0.960	1.008	1.086	1.029	1.033	1.045	1.000	0.986	1.016	0.974	1.000	1.000			
yr. wtd. (Current Yr)	1.404	1.085	1.035	1.098	1.090	1.007	1.103	0.959	1.028	1.059	1.074	0.984	0.998	0.979	1.000	1.000	1.000	1.000	
yr. 321 wtd. (Prior Yr)	1.615	1.246	1.047	1.085	1.026	0.980	1.155	1.044	1.036	1.080	1.000	0.987	1.007	0.980					
r. 321 wtd. (Current Yr)	1.082	1.140	0.988	1.137	1.091	1.010	1.126	0.910	1.019	1.059	1.117	0.993	0.999	0.990	1.000				
9. 4 yr. avg. (Prior Yr)	1.573	1.203	1.010	1.043	0.969	1.005	1.106	1.021	1.024	1.057	1.000	0.990	1.013						
10. 4 yr. avg. (Current Yr)	1.283	1.119	1.010	1.091	0.992	1.021	1.086	0.960	1.024	1.042	1.058	0.990	1.013	0.985					
11. 4 yr. wtd. (Prior Yr)	1.599	1.177	1.018	1.049	0.968	1.006	1.094	1.024	1.021	1.053	1.000	0.989	1.014	0.983	1.001				
12. 4 yr. wtd. (Current Yr)	1.381	1.058	1.016	1.088	1.005	1.029	1.075	0.955	1.023	1.036	1.050	0.988	1.012	0.982	1.000	1.000			
13. 5 yr. avg. (Prior Yr)	1.629	1.170	1.071	1.035	1.007	1.003	1.085	1.017	1.020	1.046	1.000	0.992							
14. 5 yr. avg. (Current Yr)	1.355	1.154	0.992	1.068	0.993	1.017	1.094	0.969	1.020	1.048	1.047	0.992	1.010						
15. 5 yr. wtd. (Prior Yr)	1.641	1.151	1.067	1.042	0.996	1.004	1.079	1.017	1.015	1.042	1.000	0.990	1.010	0.981					
16. 5 yr. wtd. (Current Yr)	1.443	1.103	1.000	1.066	1.003	1.023	1.084	0.962	1.016	1.045	1.040	0.990	1.011	0.987	1.001				
17. 5 yrs x hi & lo (Prior Yr)	1.666	1.140	1.040	1.011	1.057	0.988	1.039	1.015	1.006	1.024	1.000	1.000	1.000	0.993					
18. 5 yrs x hi & lo (Current Yr)	1.536	1.125	0.971	1.065	1.053	1.011	1.053	0.996	1.006	1.028	1.000	1.000	1.000	1.000	1.000				
19. all yr. avg. (Prior Yr)	1.931	1.188	1.071	1.013	0.981	0.986	1.051	0.997	1.017	1.025	0.999	0.996	1.011	0.980	1.000	1.000	1.001	1.004	
20. all yr. avg. (Current Yr)	1.910	1.170	1.059	1.025	0.990	0.993	1.050	0.976	1.015	1.024	1.029	0.996	1.009	0.984	1.000	1.000	1.000	1.004	0.977
21. all yr. wtd. (Prior Yr)	1.559	1.159	1.097	1.014	0.959	1.031	1.048	0.994	1.008	0.995	0.996	1.005	1.005	0.981	1.001	1.000	1.001	1.004	
22. all yr. wtd. (Current Yr)	1.528	1.143	1.091	1.018	0.967	1.033	1.047	0.985	1.008	0.995	1.006	1.005	1.005	0.982	1.001	1.000	1.000	1.004	0.977

IV. Range of Age-to-Age Factors (Excluding Tail Factor)																			
Minimum	1.082	1.058	0.969	1.011	0.959	0.958	1.039	0.902	1.006	0.995	0.996	0.980	0.998	0.970	1.000	1.000	1.000	1.004	0.977
Expected	1.443	1.103	1.000	1.066	1.003	1.023	1.084	0.962	1.016	1.045	1.040	0.990	1.012	0.979	1.001	1.000	1.000	1.004	0.977
Maximum	1.931	1.261	1.097	1.168	1.096	1.033	1.182	1.070	1.049	1.085	1.117	1.005	1.017	1.000	1.001	1.000	1.001	1.004	0.977
Corrected Min	1.082	1.058	1.000	1.011	1.000	1.000	1.039	1.000	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.004	1.000
Corrected Exp'd	1.443	1.103	1.000	1.066	1.003	1.023	1.084	1.000	1.016	1.045	1.040	1.000	1.012	1.000	1.001	1.000	1.000	1.004	1.000
Corrected Max	1.931	1.261	1.097	1.168	1.096	1.033	1.182	1.070	1.049	1.085	1.117	1.005	1.017	1.000	1.001	1.000	1.001	1.004	1.000
Cumulative Corr Min	1.214	1.123	1.061	1.061	1.049	1.049	1.049	1.010	1.010	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.000
Cumulative Corr Exp'd	2.120	1.469	1.332	1.332	1.250	1.246	1.217	1.123	1.123	1.105	1.057	1.017	1.017	1.005	1.005	1.004	1.004	1.004	1.000
Cumulative Corr Max	5.832	3.020	2.395	2.183	1.869	1.706	1.651	1.398	1.306	1.246	1.148	1.027	1.022	1.005	1.005	1.005	1.005	1.004	1.000

V. Selected Age-to-Age Factors --Excluding Tail Factor																			
Interval	1.443	1.103	1.049	1.117	1.049	1.028	1.133	1.035	1.032	1.065	1.078	1.003	1.000	1.000	1.000	1.000	1.000	1.004	1.000
Cumulative	2.816	1.951	1.769	1.687	1.510	1.439	1.400	1.236	1.194	1.157	1.086	1.007	1.004	1.004	1.004	1.004	1.004	1.004	1.004

VI. Selected Age-to-Age Factors --Including Tail Factor of																			
Cumulative	2.872	1.990	1.804	1.720	1.541	1.468	1.428	1.260	1.218	1.180	1.107	1.027	1.024	1.024	1.024	1.024	1.024	1.024	1.020

Workers' Compensation Insurance Pools
 Account: Morris Essex Insurance Group
 Data: Incurred Loss and ALE per Inservco Reports excluding Large Claims over \$25,000
 Data as of 6/30/23

I. Raw Data**																				
Accident Yr Ended	Development Period																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6/04 & Pr	3,338,688	3,088,792	3,299,433	3,437,897	3,378,973	3,668,838	3,658,678	3,712,550	3,757,727	3,801,379	3,767,807	3,772,588	3,736,044	3,802,504	3,790,457	3,803,782	3,844,884	3,827,330	3,799,862	3,780,672
6/05	266,850	223,912	226,167	212,598	212,598	214,541	214,895	228,244	228,244	228,244	228,244	228,244	228,244	228,244	228,244	228,244	228,244	228,244	228,244	228,244
6/06	235,934	243,223	226,643	233,641	220,084	220,622	220,702	220,867	220,867	220,867	220,867	220,867	220,867	220,867	220,867	220,867	220,867	220,867	220,867	220,867
6/07	264,669	228,656	177,545	188,181	195,078	195,638	195,638	195,638	195,638	195,638	195,638	195,638	195,638	195,638	195,638	195,638	195,638	195,638	195,638	195,638
6/08	351,583	384,887	381,607	329,580	350,693	350,693	360,506	360,506	360,506	360,506	360,506	360,506	360,506	360,506	360,506	360,506	360,506	360,506	360,506	360,506
6/09	393,545	339,019	399,207	415,227	400,953	400,953	400,953	405,953	402,598	402,598	402,598	402,598	402,598	402,598	402,598	402,598	402,598	402,598	402,598	402,598
6/10	347,879	287,213	260,737	271,737	274,209	258,315	256,306	256,306	256,419	256,419	256,419	256,419	256,419	256,419	256,419	256,419	256,419	256,419	256,419	256,419
6/11	365,248	332,632	293,055	297,127	310,634	316,931	311,814	311,814	311,814	311,814	311,814	311,814	311,814	311,814	311,814	311,814	311,814	311,814	311,814	311,814
6/12	280,159	230,720	241,249	264,689	249,726	249,726	249,726	249,726	249,726	249,726	249,726	249,726	249,726	249,726	249,726	249,726	249,726	249,726	249,726	249,726
6/13	235,696	207,720	241,254	228,291	233,450	199,776	199,776	199,776	199,776	199,776	199,776	199,776	199,776	199,776	199,776	199,776	199,776	199,776	199,776	199,776
6/14	202,718	312,887	265,875	288,129	290,732	292,037	269,732	291,715	293,715	278,804										
6/15	197,527	248,186	244,988	245,045	245,045	245,045	245,045	245,045	245,045	245,045										
6/16	199,286	180,157	195,138	218,968	217,980	202,230	224,136	224,136												
6/17	180,409	189,777	167,977	167,977	167,977	167,977	167,977	167,977												
6/18	240,034	290,431	292,985	241,800	226,168	195,062														
6/19	218,397	192,601	196,925	195,919	195,537															
6/20	261,264	203,726	162,961	176,931																
6/21	184,193	119,209	141,186																	
6/22	156,918	208,474																		
6/23	297,125																			

II. Age-to-Age Factors																				
Accident Yr Ended	Age-to-Age Period																			
	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19	
6/04 & Pr	0.925	1.068	1.042	0.983	1.086	0.997	1.015	1.012	1.012	0.991	1.001	0.990	1.018	0.997	1.004	1.011	0.995	0.993	0.995	
6/05	0.839	1.010	0.940	1.000	1.009	1.002	1.062	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
6/06	1.031	0.932	1.031	0.942	1.002	1.000	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	
6/07	0.864	0.776	1.060	1.037	1.003	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	
6/08	1.095	0.991	0.864	1.064	1.000	1.028	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	
6/09	0.861	1.178	1.040	0.966	1.000	1.000	1.012	0.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
6/10	0.826	0.908	1.042	1.009	0.942	0.992	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	
6/11	0.911	0.881	1.014	1.045	1.020	0.984	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	
6/12	0.824	1.046	1.097	0.943	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	
6/13	0.881	1.161	0.946	1.023	0.856	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	
6/14	1.543	0.850	1.084	1.009	1.004	0.924	1.082	1.007	0.949											
6/15	1.256	0.987	1.000	1.000	1.000	1.000	1.000	1.000	1.000											
6/16	0.904	1.083	1.122	0.995	0.928	1.108	1.000													
6/17	1.052	0.885	1.000	1.000	1.000	1.000														
6/18	1.210	1.009	0.825	0.935	0.862															
6/19	0.882	1.022	0.995	0.998																
6/20	0.780	0.800	1.086																	
6/21	0.647	1.184																		
6/22	1.329																			

*Data from the Pool's inception to June 30, 1997 arose from Rasmussen claim handling practices. Subsequent experience from June 30, 1998 to present arose from Inservco claim handling practices.

**These supplementary historical data were obtained from Lofberg, Inc. which had retained the paid and outstanding loss and allocated loss adjustment

Workers' Compensation Insurance Pools
 Account: Morris Essex Insurance Group
 Data: Incurred Loss and ALE per Inservco Reports excluding Large Claims over \$25,000

III. Average Age-to-Age Factors (Summary)																			
Method	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19
2 yr. avg. (Prior Yr)	0.713	0.911	0.910	0.968	0.964	1.054	1.041	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.998	
yr. avg. (Current Yr)	0.988	0.992	1.040	0.967	0.931	1.054	1.000	1.003	0.975	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.996
3 yr. avg. (Prior Yr)	0.770	0.944	0.940	0.977	0.976	1.011	1.027	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.004		
yr. avg. (Current Yr)	0.919	1.002	0.969	0.978	0.930	1.036	1.027	1.002	0.983	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.998	
3 yr. wtd. (Prior Yr)	0.777	0.951	0.921	0.974	0.975	0.999	1.031	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.010		
yr. wtd. (Current Yr)	0.882	0.972	0.941	0.974	0.923	1.036	1.030	1.003	0.980	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.996	
yr. 321 wtd. (Prior Yr)	0.731	0.909	0.939	0.967	0.976	1.041	1.027	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.002		
r. 321 wtd. (Current Yr)	1.010	1.029	1.012	0.977	0.919	1.036	1.014	1.002	0.975	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	
9. 4 yr. avg. (Prior Yr)	0.880	0.929	0.986	0.983	0.983	1.008	1.020	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001			
10. 4 yr. avg. (Current Yr)	0.909	1.004	0.976	0.982	0.948	1.008	1.020	1.002	0.987	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.003		
11. 4 yr. wtd. (Prior Yr)	0.892	0.936	0.967	0.981	0.984	1.000	1.023	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.003			
12. 4 yr. wtd. (Current Yr)	0.882	0.985	0.953	0.979	0.945	1.000	1.023	1.002	0.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.009		
13. 5 yr. avg. (Prior Yr)	0.914	0.960	0.989	0.988	0.958	1.006	1.016	1.001	1.000	1.000	1.000	1.000	1.000	0.999					
14. 5 yr. avg. (Current Yr)	0.969	0.980	1.006	0.986	0.959	1.006	1.016	1.001	0.990	1.000	1.000	1.000	1.000	1.000	1.001				
15. 5 yr. wtd. (Prior Yr)	0.918	0.961	0.974	0.988	0.958	1.000	1.017	1.002	1.000	1.000	1.000	1.000	1.000	0.997					
16. 5 yr. wtd. (Current Yr)	0.956	0.966	0.986	0.984	0.960	1.000	1.018	1.002	0.989	1.000	1.000	1.000	1.000	1.000	1.003				
17. 5 yrs x hi & lo (Prior Yr)	0.905	0.972	0.998	0.998	0.976	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000					
18. 5 yrs x hi & lo (Current Yr)	0.957	0.972	1.027	0.998	0.976	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
19. all yr. avg. (Prior Yr)	0.963	0.976	1.006	0.997	0.989	1.003	1.014	1.001	1.001	0.999	1.000	0.999	1.003	0.999	1.001	1.004	0.998	0.993	
20. all yr. avg. (Current Yr)	0.982	0.987	1.011	0.997	0.981	1.003	1.013	1.001	0.996	0.999	1.000	0.999	1.003	0.999	1.001	1.003	0.998	0.996	0.995
21. all yr. wtd. (Prior Yr)	0.941	1.012	1.018	0.991	1.035	0.999	1.014	1.007	1.007	0.994	1.001	0.993	1.013	0.997	1.003	1.010	0.996	0.993	
22. all yr. wtd. (Current Yr)	0.948	1.015	1.019	0.991	1.029	0.999	1.014	1.007	1.004	0.995	1.001	0.994	1.012	0.998	1.003	1.009	0.996	0.993	0.995

IV. Range of Age-to-Age Factors (Excluding Tail Factor)																			
Minimum	0.713	0.909	0.910	0.967	0.919	0.999	1.000	0.975	0.994	1.000	0.993	1.000	0.997	1.000	1.000	0.996	0.993	0.995	
Expected	0.956	0.966	0.986	0.984	0.960	1.000	1.018	1.002	0.989	1.000	1.000	1.000	1.000	1.000	1.003	1.009	0.996	0.993	0.995
Maximum	1.010	1.029	1.040	0.998	1.035	1.054	1.041	1.007	1.007	1.000	1.001	1.000	1.013	1.000	1.003	1.010	1.000	0.996	0.995
Corrected Min	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
Corrected Exp'd	1.000	1.000	1.000	1.000	1.000	1.000	1.018	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.003	1.009	1.000	1.000	1.000
Corrected Max	1.010	1.029	1.040	1.000	1.035	1.054	1.041	1.007	1.007	1.000	1.001	1.000	1.013	1.000	1.003	1.010	1.000	1.000	1.000
Cumulative Corr Min	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
Cumulative Corr Exp'd	1.032	1.032	1.032	1.032	1.032	1.032	1.032	1.032	1.014	1.012	1.012	1.012	1.012	1.012	1.012	1.009	1.000	1.000	1.000
Cumulative Corr Max	1.278	1.265	1.229	1.182	1.182	1.142	1.083	1.041	1.034	1.027	1.027	1.026	1.026	1.013	1.013	1.010	1.000	1.000	1.000

V. Selected Age-to-Age Factors --Excluding Tail Factor																			
Interval	1.100	1.000	1.000	1.000	1.000	1.000	1.018	1.002	1.000	1.000	1.000	1.000	1.000	1.000	1.003	1.009	1.000	1.000	1.000
Cumulative	1.136	1.032	1.032	1.032	1.032	1.032	1.032	1.032	1.014	1.012	1.012	1.012	1.012	1.012	1.012	1.009	1.000	1.000	1.000

VI. Selected Age-to-Age Factors --Including Tail Factor of																			
															1.000				
Cumulative	1.136	1.032	1.032	1.032	1.032	1.032	1.032	1.032	1.014	1.012	1.012	1.012	1.012	1.012	1.012	1.009	1.000	1.000	1.000

Account: Morris Essex Insurance Group
 Data: Incurred Loss and Allocated Loss Adjustment Expense per Inservco Reports*
 Data as of 6/30/23

I. Raw Data																				
Accident Yr Ended	Development Period																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6/04 & Pr	7,485,581	8,778,503	9,792,855	10,382,150	10,282,373	10,134,435	10,355,771	10,575,825	10,589,843	10,661,057	10,445,865	10,404,531	10,453,020	10,539,556	10,393,904	10,412,404	10,450,197	10,436,412	10,436,336	10,263,796
6/05	817,111	1,028,709	1,054,851	1,106,920	1,129,542	1,066,416	1,056,384	1,094,152	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637	1,092,637
6/06	392,149	524,781	603,192	614,076	572,896	543,566	543,646	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811	543,811
6/07	486,784	648,476	856,716	816,564	805,344	798,532	811,331	834,817	842,225	852,225	851,016	851,702	852,182	888,074	846,127	846,127	846,127	846,127		
6/08	868,057	1,178,051	1,071,353	1,105,467	1,110,596	1,139,960	1,039,510	970,517	952,346	972,046	972,046	972,046	972,046	972,046	972,046	972,046	972,046	972,046		
6/09	1,227,813	1,250,394	1,181,108	1,250,116	1,229,290	1,109,561	1,070,988	1,179,362	1,108,257	1,108,257	1,158,757	1,158,757	1,158,757	1,128,372	1,125,179	1,125,179				
6/10	1,028,154	1,013,126	989,346	1,069,487	1,077,060	1,019,387	1,024,618	1,013,385	1,013,498	1,013,498	1,012,248	1,012,248	1,012,248	1,012,248						
6/11	462,473	721,796	765,113	752,921	717,459	663,259	656,861	656,861	657,372	657,372	657,372	657,372	657,372	657,372						
6/12	467,286	566,837	590,786	594,234	586,099	635,230	633,230	681,349	656,523	688,530	758,635	877,671								
6/13	440,011	516,790	592,594	582,131	626,946	655,783	655,141	650,637	693,768	703,068	708,677									
6/14	482,053	549,610	641,760	772,108	777,144	775,925	803,753	819,808	844,908	829,998										
6/15	264,039	544,184	708,449	854,549	841,371	664,361	652,026	782,326	653,191											
6/16	616,207	639,286	671,706	657,845	676,995	695,522	690,753	710,783												
6/17	489,585	762,517	910,943	891,640	878,948	951,473	1,002,632													
6/18	673,072	1,001,468	998,782	1,038,977	1,155,440	1,207,278														
6/19	503,855	561,636	597,313	603,221	671,833															
6/20	480,493	570,577	690,191	662,255																
6/21	799,238	1,154,485	1,134,763																	
6/22	407,993	329,798																		
6/23	925,428																			

II. Age-to-Age Factors																				
Accident Yr Ended	Age-to-Age Period																			
	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19	
6/04 & Pr	1.173	1.116	1.060	0.990	0.986	1.022	1.021	1.001	1.007	0.980	0.996	1.005	1.008	0.986	1.002	1.004	0.999	1.000	0.983	
6/05	1.259	1.025	1.049	1.020	0.944	0.991	1.036	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
6/06	1.338	1.149	1.018	0.933	0.949	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	
6/07	1.332	1.321	0.953	0.986	0.992	1.016	1.029	1.009	1.012	0.999	1.001	1.001	1.042	0.953	1.000	1.000	1.000			
6/08	1.357	0.909	1.032	1.005	1.026	0.912	0.934	0.981	1.021	1.000	1.000	1.000	1.000	1.000	1.000					
6/09	1.018	0.945	1.058	0.983	0.903	0.965	1.101	0.940	1.000	1.046	1.000	0.974	0.997	1.000						
6/10	0.985	0.977	1.081	1.007	0.946	1.005	0.989	1.000	1.000	0.999	1.000	1.000	1.000	1.000						
6/11	1.561	1.060	0.984	0.953	0.924	0.990	1.000	1.001	1.000	1.000	1.000	1.000								
6/12	1.213	1.042	1.006	0.986	1.084	0.997	1.076	0.964	1.049	1.102	1.157									
6/13	1.174	1.147	0.982	1.077	1.046	0.999	0.993	1.066	1.013	1.008										
6/14	1.140	1.168	1.203	1.007	0.998	1.036	1.020	1.031	0.982											
6/15	2.061	1.302	1.206	0.985	0.790	0.981	1.200	0.835												
6/16	1.037	1.051	0.979	1.029	1.027	0.993	1.029													
6/17	1.557	1.195	0.979	0.986	1.083	1.054														
6/18	1.488	0.997	1.040	1.112	1.045															
6/19	1.115	1.064	1.010	1.114																
6/20	1.187	1.210	0.960																	
6/21	1.444	0.983																		
6/22	0.808																			

*Data from the Pool's inception to June 30, 1997 arose from Rasmussen claim handling practices. Subsequent experience from June 30, 1998 to present arose from Inservco claim handling practices.

These supplementary historical data were obtained from Lofberg, Inc. which had retained the paid and outstanding loss and allocated loss adjustment expense amounts.

Workers' Compensation Insurance Pools

Account: Morris Essex Insurance Group

Data: Incurred Loss and Allocated Loss Adjustment Expense per Inservco Reports*

III. Average Age-to-Age Factors (Summary)																			
Method	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19
2 yr. avg. (Prior Yr)	1.316	1.137	1.025	1.049	1.055	0.987	1.110	1.048	1.031	1.051	1.000	0.987	0.999	0.976	1.000	1.000	0.999		
yr. avg. (Current Yr)	1.126	1.096	0.985	1.113	1.064	1.023	1.114	0.933	0.998	1.055	1.078	1.000	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3 yr. avg. (Prior Yr)	1.249	1.090	1.010	1.042	0.966	1.003	1.071	1.020	1.021	1.034	1.000	0.991	1.013	0.984	1.000	1.001			
yr. avg. (Current Yr)	1.147	1.085	1.003	1.071	1.052	1.009	1.083	0.977	1.015	1.037	1.052	0.991	0.999	0.984	1.000	1.000	1.000	1.000	
3 yr. wtd. (Prior Yr)	1.282	1.072	1.011	1.047	0.964	1.005	1.067	1.020	1.021	1.029	1.000	0.990	1.011	0.983	1.000	1.003			
yr. wtd. (Current Yr)	1.218	1.059	1.008	1.068	1.053	1.015	1.078	0.973	1.012	1.037	1.049	0.989	0.999	0.986	1.000	1.000	0.999		
yr. 321 wtd. (Prior Yr)	1.304	1.126	1.015	1.056	1.015	0.996	1.105	1.031	1.023	1.051	1.000	0.991	1.006	0.984	1.000	1.001			
yr. 321 wtd. (Current Yr)	1.084	1.072	0.990	1.092	1.054	1.022	1.084	0.939	1.004	1.038	1.078	0.996	0.999	0.992	1.000	1.000	1.000	1.000	
9. 4 yr. avg. (Prior Yr)	1.309	1.116	1.002	1.028	0.974	1.002	1.072	1.015	1.016	1.037	1.000	0.994	1.010	0.988	1.000				
10. 4 yr. avg. (Current Yr)	1.139	1.063	0.997	1.060	0.986	1.016	1.060	0.974	1.011	1.027	1.039	0.993	1.010	0.988	1.000	1.001			
11. 4 yr. wtd. (Prior Yr)	1.338	1.104	1.004	1.032	0.973	1.004	1.069	1.016	1.014	1.034	1.000	0.993	1.009	0.988	1.001				
12. 4 yr. wtd. (Current Yr)	1.194	1.040	1.000	1.060	0.990	1.020	1.058	0.971	1.009	1.024	1.033	0.992	1.008	0.988	1.000	1.003			
13. 5 yr. avg. (Prior Yr)	1.358	1.103	1.043	1.024	0.989	1.001	1.058	1.012	1.012	1.029	1.000	0.995	1.008	0.988					
14. 5 yr. avg. (Current Yr)	1.209	1.090	0.994	1.045	0.989	1.013	1.064	0.979	1.009	1.031	1.031	0.995	1.008	0.991	1.000				
15. 5 yr. wtd. (Prior Yr)	1.375	1.094	1.041	1.027	0.985	1.002	1.056	1.012	1.010	1.027	1.000	0.993	1.007	0.987					
16. 5 yr. wtd. (Current Yr)	1.263	1.069	0.996	1.044	0.992	1.016	1.061	0.976	1.007	1.030	1.026	0.994	1.007	0.991	1.001				
17. 5 yrs x hi & lo (Prior Yr)	1.373	1.103	1.010	1.007	1.024	0.996	1.032	1.011	1.004	1.015	1.000	1.000	1.000	0.995					
18. 5 yrs x hi & lo (Current Yr)	1.249	1.085	0.989	1.042	1.024	1.009	1.042	0.998	1.004	1.018	1.000	1.000	1.000	1.000	1.000				
19. all yr. avg. (Prior Yr)	1.302	1.099	1.040	1.004	0.978	0.993	1.033	0.999	1.010	1.014	1.000	0.997	1.008	0.988	1.000	1.001	0.999	1.000	
20. all yr. avg. (Current Yr)	1.276	1.092	1.035	1.011	0.983	0.997	1.033	0.986	1.008	1.013	1.017	0.997	1.007	0.990	1.000	1.001	1.000	1.000	0.983
21. all yr. wtd. (Prior Yr)	1.224	1.089	1.048	0.999	0.978	1.005	1.026	0.999	1.008	0.994	0.998	1.001	1.008	0.987	1.001	1.003	0.999	1.000	
22. all yr. wtd. (Current Yr)	1.215	1.084	1.046	1.002	0.982	1.007	1.026	0.992	1.007	0.995	1.004	1.001	1.007	0.988	1.001	1.003	0.999	1.000	0.983

IV. Range of Age-to-Age Factors (Excluding Tail Factor)																			
Minimum	1.084	1.040	0.985	0.999	0.964	0.987	1.026	0.933	0.998	0.994	0.998	0.987	0.999	0.976	1.000	1.000	0.999	1.000	0.983
Expected	1.263	1.069	0.996	1.044	0.992	1.016	1.061	0.976	1.007	1.030	1.026	0.994	1.008	0.986	1.001	1.003	0.999	1.000	0.983
Maximum	1.375	1.137	1.048	1.113	1.064	1.023	1.114	1.048	1.031	1.055	1.078	1.001	1.013	1.000	1.001	1.003	1.000	1.000	0.983
Corrected Min	1.084	1.040	1.000	1.000	1.000	1.000	1.026	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Corrected Exp'd	1.263	1.069	1.000	1.044	1.000	1.016	1.061	1.000	1.007	1.030	1.026	1.000	1.008	1.000	1.001	1.003	1.000	1.000	1.000
Corrected Max	1.375	1.137	1.048	1.113	1.064	1.023	1.114	1.048	1.031	1.055	1.078	1.001	1.013	1.000	1.001	1.003	1.000	1.000	1.000
Cumulative Corr Min	1.157	1.067	1.026	1.026	1.026	1.026	1.026	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Cumulative Corr Exp'd	1.639	1.297	1.213	1.213	1.162	1.162	1.143	1.077	1.077	1.070	1.039	1.013	1.013	1.004	1.004	1.003	1.000	1.000	1.000
Cumulative Corr Max	2.772	2.016	1.774	1.692	1.520	1.429	1.396	1.253	1.195	1.159	1.099	1.019	1.018	1.005	1.005	1.003	1.000	1.000	1.000

V. Selected Age-to-Age Factors -Excluding Tail Factor																			
Interval	1.263	1.069	1.024	1.078	1.032	1.020	1.088	1.024	1.019	1.042	1.052	1.001	1.011	1.000	1.001	1.003	1.000	1.000	1.000
Cumulative	1.986	1.572	1.470	1.436	1.331	1.290	1.265	1.163	1.135	1.114	1.069	1.016	1.015	1.004	1.004	1.003	1.000	1.000	1.000

VI. Selected Age-to-Age Factors -Including Tail Factor of																			
Cumulative	2.065	1.635	1.529	1.493	1.384	1.342	1.315	1.209	1.181	1.159	1.112	1.056	1.056	1.045	1.045	1.043	1.040	1.040	1.040

Workers' Compensation Insurance Pools

Account: Morris Essex Insurance Group

Data: Incurred Claims from BRM and Inservco, Inc.

Data as of 6/30/23

I. Raw Data*																				
Accident Yr Ended	Development Period																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6/04 & Pr	4,941	5,223	5,258	5,275	5,279	5,282	5,283	5,285	5,286	5,287	5,288	5,289	5,289	5,289	5,289	5,291	5,292	5,292	5,292	5,293
6/05	260	271	271	271	271	271	272	272	272	272	272	272	272	272	272	272	272	272	272	272
6/06	250	257	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258
6/07	229	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238
6/08	241	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261
6/09	269	275	275	275	275	275	275	276	276	276	276	276	276	276	276	276	276	276	276	276
6/10	252	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
6/11	254	256	257	257	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258
6/12	222	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229	229
6/13	231	233	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234
6/14	208	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212	212
6/15	169	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171
6/16	179	179	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
6/17	178	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179
6/18	190	192	192	192	192	192	192	192	192	192	192	192	192	192	192	192	192	192	192	192
6/19	190	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191
6/20	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
6/21	109	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
6/22	150	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152
6/23	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176

II. Age-to-Age Factors																				
Accident Yr Ended	Age-to-Age Period																			
	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19	
6/04 & Pr	1.057	1.007	1.003	1.001	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	1.000	1.000
6/05	1.042	1.000	1.000	1.000	1.000	1.000	1.004	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
6/06	1.028	1.004	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
6/07	1.039	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
6/08	1.083	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
6/09	1.022	1.000	1.000	1.000	1.000	1.000	1.000	1.004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/10	1.016	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
6/11	1.008	1.004	1.000	1.004	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
6/12	1.032	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
6/13	1.009	1.004	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
6/14	1.019	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
6/15	1.012	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
6/16	1.000	1.006	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
6/17	1.006	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
6/18	1.011	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
6/19	1.005	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
6/20	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	1.000
6/21	1.018	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
6/22	1.013	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

*Data from the Pool's inception to June 30, 1997 arose from Rasmussen claim handling practices. Subsequent experience from June 30, 1998 to present arose from Inservco claim handling practices.

Workers' Compensation Insurance Pools
 Account: Morris Essex Insurance Group
 Data: Incurred Claims from BRM and Inservco, Inc.

III. Average Age-to-Age Factors (Summary)																			
Method	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19
2 yr. avg. (Prior Yr)	1.009	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
yr. avg. (Current Yr)	1.016	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
3 yr. avg. (Prior Yr)	1.008	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
yr. avg. (Current Yr)	1.011	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
3 yr. wtd. (Prior Yr)	1.007	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
yr. wtd. (Current Yr)	1.010	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
yr. 321 wtd. (Prior Yr)	1.010	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
r. 321 wtd. (Current Yr)	1.013	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
9. 4 yr. avg. (Prior Yr)	1.009	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
10. 4 yr. avg. (Current Yr)	1.009	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
11. 4 yr. wtd. (Prior Yr)	1.008	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
12. 4 yr. wtd. (Current Yr)	1.009	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
13. 5 yr. avg. (Prior Yr)	1.008	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	1.000	1.000	1.000	1.000
14. 5 yr. avg. (Current Yr)	1.009	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
15. 5 yr. wtd. (Prior Yr)	1.008	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	1.000	1.000	1.000	1.000
16. 5 yr. wtd. (Current Yr)	1.009	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
17. 5 yrs x hi & lo (Prior Yr)	1.007	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
18. 5 yrs x hi & lo (Current Yr)	1.010	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
19. all yr. avg. (Prior Yr)	1.023	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	1.000	1.000	1.000	1.000
20. all yr. avg. (Current Yr)	1.022	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	1.000	1.000	1.000	1.000
21. all yr. wtd. (Prior Yr)	1.043	1.004	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	1.000	1.000
22. all yr. wtd. (Current Yr)	1.042	1.004	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	1.000	1.000

IV. Range of Age-to-Age Factors (Excluding Tail Factor)																			
Minimum	1.007	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
Expected	1.009	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
Maximum	1.043	1.004	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	1.000	1.000
Corrected Min	1.007	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
Corrected Exp'd	1.009	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
Corrected Max	1.043	1.004	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	1.000	1.000
Cumulative Corr Min	1.007	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
Cumulative Corr Exp'd	1.010	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001
Cumulative Corr Max	1.052	1.009	1.005	1.003	1.002	1.002	1.002	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000

V. Selected Age-to-Age Factors --Excluding Tail Factor																			
Interval	1.009	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
Cumulative	1.010	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000

VI. Selected Age-to-Age Factors --Including Tail Factor of																			
Cumulative	1.010	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.000	1.000	1.000	1.000

Workers' Compensation Insurance Pools
 Account: Morris Essex Insurance Group
 Data: Claims Closed with Payment/Incurred Claims
 Data as of 6/30/23

I. Raw Data*																				
Accident Yr Ended	Development Period																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6/04 & Pr	0.339	0.551	0.577	0.595	0.602	0.607	0.608	0.611	0.614	0.613	0.615	0.615	0.616	0.616	0.616	0.616	0.616	0.616	0.616	0.616
6/05	0.558	0.727	0.738	0.749	0.756	0.764	0.757	0.768	0.772	0.772	0.772	0.772	0.772	0.772	0.772	0.772	0.772	0.772	0.772	0.772
6/06	0.544	0.735	0.733	0.744	0.756	0.764	0.764	0.764	0.764	0.764	0.764	0.764	0.764	0.764	0.764	0.764	0.764	0.764	0.764	0.764
6/07	0.432	0.681	0.685	0.697	0.714	0.723	0.718	0.723	0.723	0.723	0.723	0.723	0.723	0.723	0.723	0.727	0.727	0.727		
6/08	0.527	0.667	0.697	0.705	0.713	0.709	0.716	0.716	0.724	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720			
6/09	0.517	0.673	0.698	0.713	0.713	0.713	0.716	0.717	0.725	0.725	0.721	0.721	0.721	0.725	0.725					
6/10	0.516	0.609	0.621	0.613	0.613	0.621	0.629	0.629	0.629	0.629	0.629	0.629	0.629	0.629						
6/11	0.500	0.637	0.638	0.665	0.667	0.674	0.686	0.686	0.686	0.686	0.686	0.686	0.686							
6/12	0.450	0.585	0.598	0.603	0.611	0.611	0.611	0.616	0.620	0.616	0.616	0.616								
6/13	0.407	0.554	0.551	0.556	0.564	0.564	0.568	0.573	0.573	0.568	0.577									
6/14	0.370	0.533	0.547	0.571	0.571	0.580	0.580	0.580	0.580	0.585										
6/15	0.408	0.567	0.579	0.585	0.585	0.591	0.602	0.602	0.608											
6/16	0.436	0.631	0.633	0.639	0.644	0.650	0.656	0.656												
6/17	0.438	0.615	0.620	0.620	0.620	0.615	0.615													
6/18	0.400	0.594	0.594	0.615	0.625	0.646														
6/19	0.468	0.644	0.639	0.644	0.660															
6/20	0.524	0.645	0.661	0.685																
6/21	0.294	0.532	0.586																	
6/22	0.180	0.441																		
6/23	0.267																			

II. Age-to-Age Factors																				
Accident Yr Ended	Age-to-Age Period																			
	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19	
6/04 & Pr	1.626	1.048	1.032	1.012	1.007	1.003	1.004	1.005	0.999	1.002	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.001
6/05	1.303	1.015	1.015	1.010	1.010	0.992	1.015	1.005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6/06	1.352	0.996	1.016	1.016	1.010	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
6/07	1.574	1.006	1.018	1.024	1.012	0.994	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.006	1.000	1.000			
6/08	1.265	1.046	1.011	1.011	0.995	1.011	1.000	1.011	0.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
6/09	1.302	1.038	1.021	1.000	1.000	1.005	1.001	1.010	1.000	0.995	1.000	1.000	1.005	1.000						
6/10	1.181	1.019	0.987	1.000	1.000	1.013	1.013	1.000	1.000	1.000	1.000	1.000	1.000							
6/11	1.273	1.002	1.043	1.002	1.012	1.017	1.000	1.000	1.000	1.000	1.000	1.000								
6/12	1.299	1.022	1.007	1.014	1.000	1.000	1.007	1.007	0.993	1.000	1.000									
6/13	1.361	0.996	1.008	1.015	1.000	1.008	1.008	1.000	0.993	1.015										
6/14	1.440	1.027	1.043	1.000	1.017	1.000	1.000	1.000	1.008											
6/15	1.389	1.021	1.010	1.000	1.010	1.020	1.000	1.010												
6/16	1.449	1.003	1.009	1.009	1.009	1.009	1.000													
6/17	1.402	1.009	1.000	1.000	0.991	1.000														
6/18	1.484	1.000	1.035	1.017	1.033															
6/19	1.375	0.992	1.008	1.024																
6/20	1.231	1.025	1.037																	
6/21	1.811	1.102																		
6/22	2.449																			

*Data from the Pool's inception to June 30, 1997 arose from Rasmussen claim handling practices. Subsequent experience from June 30, 1998 to present arose from Inservco claim handling practices.

Workers' Compensation Insurance Pools
 Account: Morris Essex Insurance Group
 Data: Claims Closed with Payment/Incurred Claims

III. Average Age-to-Age Factors (Summary)																			
Method	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19
2 yr. avg. (Prior Yr)	1.521	1.008	1.022	1.008	1.000	1.014	1.000	1.000	0.993	1.000	1.000	1.000	1.003	1.003	1.000	1.000	1.000	1.000	
yr. avg. (Current Yr)	2.130	1.063	1.022	1.021	1.012	1.004	1.000	1.005	1.000	1.008	1.000	1.000	1.003	1.000	1.000	1.000	1.000	1.000	1.000
3 yr. avg. (Prior Yr)	1.472	1.006	1.014	1.009	1.003	1.009	1.003	1.002	0.995	1.000	1.000	1.000	1.002	1.002	1.000	1.000	1.000	1.000	
yr. avg. (Current Yr)	1.830	1.040	1.027	1.014	1.011	1.009	1.000	1.003	0.998	1.005	1.000	1.000	1.002	1.002	1.000	1.000	1.000	1.000	
3 yr. wtd. (Prior Yr)	1.416	1.006	1.014	1.009	1.003	1.009	1.002	1.002	0.995	1.000	1.000	1.000	1.002	1.002	1.000	1.000	1.000	1.000	
yr. wtd. (Current Yr)	1.621	1.036	1.027	1.014	1.011	1.009	1.000	1.003	0.998	1.005	1.000	1.000	1.002	1.002	1.000	1.000	1.000	1.000	
yr. 321 wtd. (Prior Yr)	1.545	1.010	1.016	1.010	1.000	1.011	1.001	1.001	0.994	1.000	1.000	1.000	1.003	1.002	1.000	1.000	1.000	1.000	
r. 321 wtd. (Current Yr)	2.033	1.058	1.027	1.018	1.015	1.006	1.000	1.005	1.000	1.008	1.000	1.000	1.002	1.001	1.000	1.000	1.000	1.000	
9. 4 yr. avg. (Prior Yr)	1.475	1.006	1.013	1.006	1.007	1.009	1.004	1.002	0.996	0.999	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	
10. 4 yr. avg. (Current Yr)	1.716	1.030	1.020	1.013	1.011	1.007	1.002	1.004	0.998	1.004	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	
11. 4 yr. wtd. (Prior Yr)	1.432	1.007	1.013	1.006	1.006	1.009	1.004	1.002	0.997	0.999	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	
12. 4 yr. wtd. (Current Yr)	1.542	1.027	1.020	1.013	1.011	1.007	1.002	1.004	0.998	1.003	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	
13. 5 yr. avg. (Prior Yr)	1.461	1.006	1.012	1.005	1.005	1.007	1.003	1.001	0.997	0.999	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	
14. 5 yr. avg. (Current Yr)	1.670	1.026	1.018	1.010	1.012	1.007	1.003	1.003	0.999	1.002	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	
15. 5 yr. wtd. (Prior Yr)	1.426	1.006	1.012	1.005	1.005	1.007	1.003	1.001	0.997	0.999	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	
16. 5 yr. wtd. (Current Yr)	1.530	1.023	1.018	1.010	1.012	1.007	1.003	1.003	0.999	1.002	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	
17. 5 yrs x hi & lo (Prior Yr)	1.421	1.004	1.009	1.003	1.006	1.005	1.002	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
18. 5 yrs x hi & lo (Current Yr)	1.557	1.011	1.017	1.009	1.012	1.005	1.002	1.002	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
19. all yr. avg. (Prior Yr)	1.395	1.016	1.016	1.009	1.005	1.005	1.004	1.003	0.998	1.000	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000
20. all yr. avg. (Current Yr)	1.451	1.020	1.018	1.010	1.007	1.005	1.004	1.004	0.999	1.001	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.001
21. all yr. wtd. (Prior Yr)	1.375	1.015	1.016	1.009	1.005	1.005	1.004	1.004	0.998	1.000	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.000
22. all yr. wtd. (Current Yr)	1.399	1.019	1.018	1.010	1.007	1.005	1.004	1.004	0.999	1.001	1.000	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.001

IV. Range of Age-to-Age Factors (Excluding Tail Factor)																			
Minimum	1.375	1.004	1.009	1.003	1.000	1.004	1.000	1.000	0.993	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001
Expected	1.530	1.023	1.018	1.010	1.012	1.007	1.003	1.003	0.999	1.002	1.000	1.000	1.001	1.002	1.000	1.000	1.000	1.000	1.001
Maximum	2.130	1.063	1.027	1.021	1.015	1.014	1.004	1.005	1.000	1.008	1.000	1.000	1.003	1.003	1.000	1.000	1.000	1.000	1.001
Corrected Min	1.375	1.004	1.009	1.003	1.000	1.004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001
Corrected Exp'd	1.530	1.023	1.018	1.010	1.012	1.007	1.003	1.003	1.000	1.002	1.000	1.000	1.001	1.002	1.000	1.000	1.000	1.000	1.001
Corrected Max	2.130	1.063	1.027	1.021	1.015	1.014	1.004	1.005	1.000	1.008	1.000	1.000	1.003	1.003	1.000	1.000	1.000	1.000	1.001
Cumulative Corr Min	1.405	1.022	1.018	1.009	1.006	1.006	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001
Cumulative Corr Exp'd	1.661	1.085	1.061	1.042	1.032	1.020	1.012	1.010	1.006	1.006	1.005	1.005	1.005	1.003	1.001	1.001	1.001	1.001	1.001
Cumulative Corr Max	2.503	1.175	1.105	1.076	1.055	1.039	1.024	1.020	1.015	1.015	1.007	1.007	1.007	1.004	1.001	1.001	1.001	1.001	1.001

V. Selected Age-to-Age Factors --Excluding Tail Factor																			
Interval	1.453	1.004	1.009	1.003	1.000	1.004	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.001
Cumulative	1.484	1.022	1.018	1.009	1.006	1.006	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

VI. Selected Age-to-Age Factors --Including Tail Factor of																			
Cumulative	1.484	1.022	1.018	1.009	1.006	1.006	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Workers' Compensation Insurance Pools
 Account: Morris Essex Insurance Group
 Data: Paid Loss and ALE/Claims Closed with Payment
 Data as of 6/30/23

I. Raw Data*																				
Accident Yr Ended	Development Period																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
6/04 & Pr	1,767	1,810	2,241	2,439	2,640	2,780	2,908	3,008	3,024	3,071	3,085	3,100	3,100	3,109	3,129	3,131	3,134	3,130	3,131	3,112
6/05	1,394	2,652	3,154	3,347	4,319	4,374	4,468	5,176	5,203	5,203	5,203	5,203	5,203	5,203	5,203	5,203	5,203	5,203	5,203	5,203
6/06	1,330	1,835	2,201	2,209	2,628	2,759	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760
6/07	1,765	2,790	2,988	3,199	3,512	4,126	4,610	4,639	4,669	4,677	4,701	4,731	4,744	4,762	4,891	4,891	4,891			
6/08	2,387	4,278	4,428	4,592	4,778	4,845	5,048	5,057	5,039	5,066	5,073	5,078	5,084	5,084	5,084	5,093				
6/09	4,082	4,247	4,606	5,038	5,051	5,071	5,293	5,380	5,541	5,541	5,575	5,577	5,577	5,626	5,626					
6/10	4,313	4,670	4,914	5,204	5,265	6,078	6,143	6,294	6,295	6,295	6,287	6,287	6,287	6,287						
6/11	1,432	2,354	2,772	3,311	3,505	3,629	3,711	3,711	3,714	3,714	3,714	3,714	3,714	3,714						
6/12	2,052	3,004	3,483	3,745	3,857	4,098	4,139	4,649	4,623	4,717	4,756	5,633								
6/13	2,019	3,557	3,862	4,044	4,256	4,315	4,483	4,503	4,503	4,545	5,249									
6/14	3,161	3,834	4,249	4,690	6,087	6,104	6,172	6,308	6,334	6,330										
6/15	2,714	4,720	5,291	5,374	5,241	5,688	6,305	6,330	6,281											
6/16	3,841	4,246	4,476	4,714	5,110	5,292	5,404	5,476												
6/17	3,099	4,928	5,534	5,752	6,568	6,988	7,497													
6/18	5,410	5,130	5,317	5,837	5,988	9,004														
6/19	3,221	3,784	4,171	4,139	4,973															
6/20	5,600	5,105	6,300	7,128																
6/21	11,148	11,957	11,812																	
6/22	4,644	3,303																		
6/23	8,927																			

II. Age-to-Age Factors																				
Accident Yr Ended	Age-to-Age Period																			
	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19	
6/04 & Pr	1.025	1.238	1.088	1.082	1.053	1.046	1.035	1.005	1.016	1.004	1.005	1.000	1.003	1.007	1.001	1.001	0.999	1.000	0.994	
6/05	1.902	1.189	1.061	1.290	1.013	1.022	1.158	1.005	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
6/06	1.380	1.199	1.004	1.190	1.050	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	
6/07	1.580	1.071	1.071	1.098	1.175	1.117	1.006	1.007	1.002	1.005	1.006	1.003	1.004	1.027	1.000	1.000				
6/08	1.792	1.035	1.037	1.041	1.014	1.042	1.002	0.996	1.005	1.001	1.001	1.001	1.000	1.000	1.002					
6/09	1.040	1.085	1.094	1.003	1.004	1.044	1.016	1.030	1.000	1.006	1.000	1.000	1.009	1.000						
6/10	1.083	1.052	1.059	1.012	1.154	1.011	1.025	1.000	1.000	0.999	1.000	1.000	1.000							
6/11	1.643	1.178	1.195	1.059	1.035	1.023	1.000	1.001	1.000	1.000	1.000	1.000	1.000							
6/12	1.464	1.159	1.075	1.030	1.063	1.010	1.123	0.995	1.020	1.008	1.184									
6/13	1.762	1.086	1.047	1.052	1.014	1.039	1.005	1.000	1.009	1.155										
6/14	1.213	1.108	1.104	1.298	1.003	1.011	1.022	1.004	0.999											
6/15	1.739	1.121	1.016	0.975	1.085	1.108	1.004	0.992												
6/16	1.105	1.054	1.053	1.084	1.036	1.021	1.013													
6/17	1.590	1.123	1.039	1.142	1.064	1.073														
6/18	0.948	1.037	1.098	1.026	1.504															
6/19	1.175	1.102	0.992	1.201																
6/20	0.912	1.234	1.131																	
6/21	1.073	0.988																		
6/22	0.711																			

*Data from the Pool's inception to June 30, 1997 arose from Rasmussen claim handling practices. Subsequent experience from June 30, 1998 to present arose from Inservco claim handling practices.

Workers' Compensation Insurance Pools
 Account: Morris Essex Insurance Group
 Data: Paid Loss and ALE/Claims Closed with Payment

III. Average Age-to-Age Factors (Summary)																			
Method	2/1	3/2	4/3	5/4	6/5	7/6	8/7	9/8	10/9	11/10	12/11	13/12	14/13	15/14	16/15	17/16	18/17	19/18	20/19
2 yr. avg. (Prior Yr)	0.992	1.168	1.045	1.084	1.050	1.065	1.013	1.002	1.015	1.004	1.000	1.000	1.004	1.014	1.000	1.000	0.999		
yr. avg. (Current Yr)	0.892	1.111	1.062	1.114	1.284	1.047	1.009	0.998	1.004	1.082	1.092	1.000	1.004	1.000	1.001	1.000	1.000	1.000	1.000
3 yr. avg. (Prior Yr)	1.053	1.124	1.043	1.084	1.062	1.047	1.010	1.000	1.010	1.002	1.000	1.000	1.004	1.009	1.000	1.000			
yr. avg. (Current Yr)	0.898	1.108	1.074	1.123	1.201	1.068	1.013	0.999	1.010	1.054	1.061	1.000	1.003	1.009	1.001	1.000	1.000	1.000	
3 yr. wtd. (Prior Yr)	1.044	1.126	1.047	1.084	1.062	1.047	1.011	1.000	1.010	1.002	1.000	1.000	1.004	1.010	1.000	1.000			
yr. wtd. (Current Yr)	0.952	1.069	1.083	1.114	1.205	1.069	1.013	0.999	1.008	1.057	1.059	1.000	1.003	1.008	1.001	1.000	1.000	1.000	
yr. 321 wtd. (Prior Yr)	1.036	1.157	1.035	1.074	1.058	1.049	1.010	1.001	1.011	1.004	1.000	1.000	1.005	1.009	1.000	1.000			
r. 321 wtd. (Current Yr)	0.865	1.089	1.079	1.133	1.279	1.062	1.012	0.997	1.006	1.080	1.092	1.000	1.003	1.005	1.001	1.000	1.000	1.000	
9. 4 yr. avg. (Prior Yr)	1.027	1.124	1.046	1.057	1.047	1.045	1.038	1.000	1.007	1.003	1.000	1.001	1.003	1.007	1.000				
10. 4 yr. avg. (Current Yr)	0.968	1.090	1.065	1.113	1.172	1.053	1.011	0.998	1.007	1.041	1.046	1.000	1.003	1.007	1.000	1.000			
11. 4 yr. wtd. (Prior Yr)	1.023	1.125	1.048	1.057	1.046	1.045	1.033	1.000	1.007	1.003	1.000	1.001	1.004	1.007	1.000				
12. 4 yr. wtd. (Current Yr)	0.981	1.063	1.072	1.107	1.178	1.054	1.011	0.998	1.007	1.038	1.043	1.000	1.003	1.007	1.000	1.000			
13. 5 yr. avg. (Prior Yr)	1.139	1.110	1.040	1.105	1.040	1.038	1.031	1.000	1.006	1.003	1.002	1.001	1.003	1.007					
14. 5 yr. avg. (Current Yr)	0.964	1.097	1.063	1.086	1.138	1.050	1.033	0.998	1.006	1.034	1.037	1.001	1.003	1.005	1.000				
15. 5 yr. wtd. (Prior Yr)	1.085	1.112	1.041	1.100	1.041	1.039	1.028	1.000	1.005	1.003	1.001	1.001	1.003	1.007					
16. 5 yr. wtd. (Current Yr)	0.975	1.072	1.069	1.080	1.141	1.052	1.029	0.998	1.005	1.031	1.035	1.001	1.003	1.005	1.001				
17. 5 yrs x hi & lo (Prior Yr)	1.065	1.093	1.036	1.084	1.038	1.024	1.010	1.000	1.003	1.003	1.000	1.000	1.001	1.002					
18. 5 yrs x hi & lo (Current Yr)	0.977	1.087	1.063	1.084	1.062	1.044	1.013	0.998	1.003	1.005	1.000	1.000	1.001	1.000	1.000				
19. all yr. avg. (Prior Yr)	1.357	1.122	1.065	1.092	1.054	1.038	1.033	1.004	1.005	1.003	1.002	1.001	1.003	1.007	1.000	1.000	0.999	1.000	
20. all yr. avg. (Current Yr)	1.323	1.114	1.068	1.099	1.084	1.040	1.031	1.003	1.005	1.018	1.022	1.000	1.002	1.006	1.000	1.000	1.000	1.000	0.994
21. all yr. wtd. (Prior Yr)	1.233	1.112	1.062	1.084	1.053	1.039	1.032	1.004	1.005	1.003	1.001	1.001	1.003	1.007	1.000	1.000	1.000	1.000	
22. all yr. wtd. (Current Yr)	1.196	1.092	1.068	1.091	1.092	1.042	1.030	1.003	1.004	1.018	1.023	1.001	1.002	1.006	1.001	1.000	1.000	1.000	0.994

IV. Range of Age-to-Age Factors (Excluding Tail Factor)																			
Minimum	0.865	1.063	1.035	1.057	1.038	1.024	1.009	0.997	1.003	1.002	1.000	1.000	1.001	1.000	1.000	1.000	0.999	1.000	0.994
Expected	0.975	1.072	1.069	1.080	1.141	1.052	1.029	0.998	1.005	1.031	1.035	1.001	1.003	1.008	1.001	1.000	1.000	1.000	0.994
Maximum	1.357	1.168	1.083	1.133	1.284	1.069	1.038	1.004	1.015	1.082	1.092	1.001	1.005	1.014	1.001	1.000	1.000	1.000	0.994
Corrected Min	1.000	1.063	1.035	1.057	1.038	1.024	1.009	1.000	1.003	1.002	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000
Corrected Exp'd	1.000	1.072	1.069	1.080	1.141	1.052	1.029	1.000	1.005	1.031	1.035	1.001	1.003	1.008	1.001	1.000	1.000	1.000	1.000
Corrected Max	1.357	1.168	1.083	1.133	1.284	1.069	1.038	1.004	1.015	1.082	1.092	1.001	1.005	1.014	1.001	1.000	1.000	1.000	1.000
Cumulative Corr Min	1.254	1.254	1.180	1.140	1.079	1.039	1.015	1.007	1.007	1.004	1.001	1.001	1.001	1.000	1.000	1.000	1.000	1.000	1.000
Cumulative Corr Exp'd	1.660	1.660	1.548	1.448	1.341	1.176	1.118	1.086	1.086	1.081	1.048	1.013	1.012	1.009	1.001	1.000	1.000	1.000	1.000
Cumulative Corr Max	3.409	2.512	2.150	1.985	1.752	1.365	1.277	1.229	1.224	1.207	1.115	1.021	1.020	1.015	1.002	1.001	1.000	1.000	1.000

V. Selected Age-to-Age Factors --Excluding Tail Factor																			
Interval	1.000	1.063	1.083	1.133	1.212	1.069	1.038	1.004	1.015	1.082	1.063	1.001	1.005	1.014	1.001	1.000	1.000	1.000	1.000
Cumulative	2.101	2.101	1.977	1.825	1.611	1.329	1.243	1.197	1.192	1.175	1.086	1.021	1.020	1.015	1.002	1.001	1.000	1.000	1.000

VI. Selected Age-to-Age Factors --Including Tail Factor of																			
Cumulative	2.132	2.132	2.007	1.853	1.635	1.349	1.262	1.215	1.210	1.192	1.102	1.037	1.036	1.030	1.017	1.016	1.015	1.015	1.015

Accident Yr Ended	Actual Collected Premiums	Initial Expected Loss Ratio	Initial Expected Losses (2)*(3)	Expected Percentage Paid Unpaid		Expected Paid Losses (4)*(5)	Actual Paid Losses	Expected Unpaid Losses (4)*(6)	Estimated Ultimate Losses (8)+(9)	Estimated Ultimate Loss Ratio (10)/(2)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
6/04 & Pr	\$17,031,215	0.950	\$16,179,655	0.909	0.091	\$14,708,777	\$10,153,000	\$1,470,878	\$11,623,878	0.683
6/05	1,430,451	0.950	1,358,928	0.909	0.091	1,235,388	1,092,637	123,540	1,216,177	0.850
6/06	1,720,900	0.750	1,290,675	0.909	0.091	1,172,834	543,811	117,841	661,652	0.384
6/07	1,952,897	0.750	1,464,673	0.909	0.091	1,330,944	846,127	133,729	979,856	0.502
6/08	1,969,620	0.750	1,477,215	0.908	0.092	1,341,103	957,391	136,112	1,093,504	0.555
6/09	2,071,937	0.750	1,553,953	0.907	0.093	1,409,535	1,125,179	144,418	1,269,597	0.613
6/10	2,194,341	0.750	1,645,756	0.892	0.108	1,468,554	1,012,248	177,202	1,189,450	0.542
6/11	2,365,000	0.750	1,773,750	0.886	0.114	1,570,926	657,372	202,824	860,196	0.364
6/12	2,464,292	0.750	1,848,219	0.885	0.115	1,635,293	794,192	212,926	1,007,118	0.409
6/13	2,562,000	0.750	1,921,500	0.834	0.166	1,603,457	708,677	318,043	1,026,720	0.401
6/14	2,587,500	0.750	1,940,625	0.788	0.212	1,529,586	784,920	411,039	1,195,960	0.462
6/15	2,587,500	0.750	1,940,625	0.781	0.219	1,515,785	653,191	424,840	1,078,031	0.417
6/16	2,667,300	0.750	2,000,475	0.774	0.226	1,547,559	646,191	452,916	1,099,107	0.412
6/17	2,591,550	0.750	1,943,663	0.742	0.258	1,442,547	824,675	501,115	1,325,790	0.512
6/18	2,617,465	0.750	1,963,099	0.687	0.313	1,348,786	1,116,495	614,313	1,730,808	0.661
6/19	2,669,814	0.750	2,002,361	0.592	0.408	1,185,798	626,592	816,562	1,443,154	0.541
6/20	2,700,000	0.750	2,025,000	0.541	0.459	1,095,839	605,849	929,161	1,535,010	0.569
6/21	2,538,000	0.750	1,903,500	0.500	0.500	951,309	767,766	952,191	1,719,957	0.678
6/22	2,538,000	0.750	1,903,500	0.456	0.544	867,444	221,268	1,036,056	1,257,324	0.495
6/23	2,538,000	0.750	1,903,500	0.295	0.705	561,485	419,586	1,342,015	1,761,601	0.694
Total **	\$61,797,782		\$50,040,670			\$39,522,949	\$24,557,167	\$10,517,721	\$35,074,888	0.568

Accident Yr Ended	Standard Premium	Initial Expected Loss Ratio	Initial Expected Losses (2)*(3)	Expected Percentage Paid Unpaid		Expected Paid Losses (4)*(5)	Actual Paid Losses	Expected Unpaid Losses (4)*(6)	Estimated Ultimate Losses (8)+(9)	Estimated Ultimate Loss Ratio (10)/(2)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
6/04 & Pr	\$23,451,488	0.650	\$15,243,467	0.909	0.091	\$13,857,697	\$10,153,000	\$1,385,770	\$11,538,770	0.492
6/05	1,916,795	0.650	1,245,917	0.909	0.091	1,132,650	1,092,637	113,266	1,205,903	0.629
6/06	2,564,215	0.450	1,153,897	0.909	0.091	1,048,544	543,811	105,353	649,164	0.253
6/07	2,974,241	0.450	1,338,408	0.909	0.091	1,216,208	846,127	122,200	968,328	0.326
6/08	3,019,415	0.450	1,358,737	0.908	0.092	1,233,541	957,391	125,196	1,082,587	0.359
6/09	3,178,816	0.450	1,430,467	0.907	0.093	1,297,526	1,125,179	132,942	1,258,121	0.396
6/10	3,360,972	0.450	1,512,437	0.892	0.108	1,349,590	1,012,248	162,847	1,175,095	0.350
6/11	3,612,538	0.450	1,625,642	0.886	0.114	1,439,753	657,372	185,889	843,261	0.233
6/12	3,751,119	0.450	1,688,004	0.885	0.115	1,493,535	794,192	194,468	988,660	0.264
6/13	4,105,012	0.450	1,847,255	0.834	0.166	1,541,502	708,677	305,754	1,014,431	0.247
6/14	3,972,284	0.450	1,787,528	0.788	0.212	1,408,916	784,920	378,612	1,163,533	0.293
6/15	3,624,911	0.450	1,631,210	0.781	0.219	1,274,107	653,191	357,103	1,010,294	0.279
6/16	3,551,429	0.450	1,598,143	0.774	0.226	1,236,317	646,191	361,826	1,008,017	0.284
6/17	3,931,415	0.450	1,769,137	0.742	0.258	1,313,018	824,675	456,119	1,280,794	0.326
6/18	3,947,717	0.450	1,776,473	0.687	0.313	1,220,561	1,116,495	555,912	1,672,407	0.424
6/19	4,037,548	0.450	1,816,897	0.592	0.408	1,075,967	626,592	740,930	1,367,522	0.339
6/20	4,173,931	0.450	1,878,269	0.541	0.459	1,016,435	605,849	861,834	1,467,683	0.352
6/21	3,900,826	0.450	1,755,372	0.500	0.500	877,279	767,766	878,093	1,645,858	0.422
6/22	3,798,826	0.450	1,709,472	0.456	0.544	779,023	221,268	930,449	1,151,716	0.303
6/23	3,798,826	0.450	1,709,472	0.295	0.705	504,252	419,586	1,205,220	1,624,806	0.428
Total **	\$90,672,324		\$45,876,202			\$36,316,420	\$24,557,167	\$9,559,782	\$34,116,949	0.376

Accident Yr Ended	Standard Premium	Initial Expected Loss Ratio	Initial Expected Losses (2)*(3)	Expected Percentage Paid Unpaid		Expected Paid Losses (4)*(5)	Actual Incurred Losses	Expected Unpaid Losses (4)*(6)	Estimated Ultimate Losses (8)+(9)	Estimated Ultimate Loss Ratio (10)/(2)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
6/04 & Pr	\$23,451,488	0.650	\$15,243,467	0.962	0.038	\$14,657,180	\$10,263,796	\$586,287	\$10,850,084	0.463
6/05	1,916,795	0.650	1,245,917	0.962	0.038	1,197,996	1,092,637	47,921	1,140,558	0.595
6/06	2,564,215	0.450	1,153,897	0.962	0.038	1,109,514	543,811	44,383	588,193	0.229
6/07	2,974,241	0.450	1,338,408	0.962	0.038	1,286,927	846,127	51,481	897,608	0.302
6/08	3,019,415	0.450	1,358,737	0.959	0.041	1,302,522	972,046	56,215	1,028,260	0.341
6/09	3,178,816	0.450	1,430,467	0.957	0.043	1,369,387	1,125,179	61,081	1,186,260	0.373
6/10	3,360,972	0.450	1,512,437	0.957	0.043	1,447,855	1,012,248	64,582	1,076,830	0.320
6/11	3,612,538	0.450	1,625,642	0.947	0.053	1,539,794	657,372	85,848	743,220	0.206
6/12	3,751,119	0.450	1,688,004	0.947	0.053	1,597,935	877,671	90,068	967,739	0.258
6/13	4,105,012	0.450	1,847,255	0.900	0.100	1,661,807	708,677	185,448	894,125	0.218
6/14	3,972,284	0.450	1,787,528	0.863	0.137	1,542,621	829,998	244,907	1,074,904	0.271
6/15	3,624,911	0.450	1,631,210	0.847	0.153	1,381,536	653,191	249,674	902,865	0.249
6/16	3,551,429	0.450	1,598,143	0.827	0.173	1,321,514	710,783	276,629	987,412	0.278
6/17	3,931,415	0.450	1,769,137	0.760	0.240	1,344,861	1,002,632	424,276	1,426,908	0.363
6/18	3,947,717	0.450	1,776,473	0.745	0.255	1,324,078	1,207,278	452,395	1,659,673	0.420
6/19	4,037,548	0.450	1,816,897	0.722	0.278	1,312,413	671,833	504,483	1,176,317	0.291
6/20	4,173,931	0.450	1,878,269	0.670	0.330	1,257,993	662,255	620,276	1,282,531	0.307
6/21	3,900,826	0.450	1,755,372	0.654	0.346	1,147,916	1,134,763	607,456	1,742,218	0.447
6/22	3,798,826	0.450	1,709,472	0.611	0.389	1,045,306	329,798	664,166	993,964	0.262
6/23	3,798,826	0.450	1,709,472	0.484	0.516	827,658	925,428	881,814	1,807,242	0.476
Total **	\$90,672,324		\$45,876,202			\$39,676,814	\$26,227,523	\$6,199,388	\$32,426,911	0.358

*Paid loss and ALE amounts were based on the data provided by Inservco. Incurred amounts were based on these underlying paid loss amounts.
 **Premium values for FYEs 6/21, 6/22, and 6/23 are estimates.

Workers' Compensation Insurance Pools

Account: Morris Essex Insurance Group

Data: Paid Loss and ALE Compared to Incurred Loss in the Prior Development Period

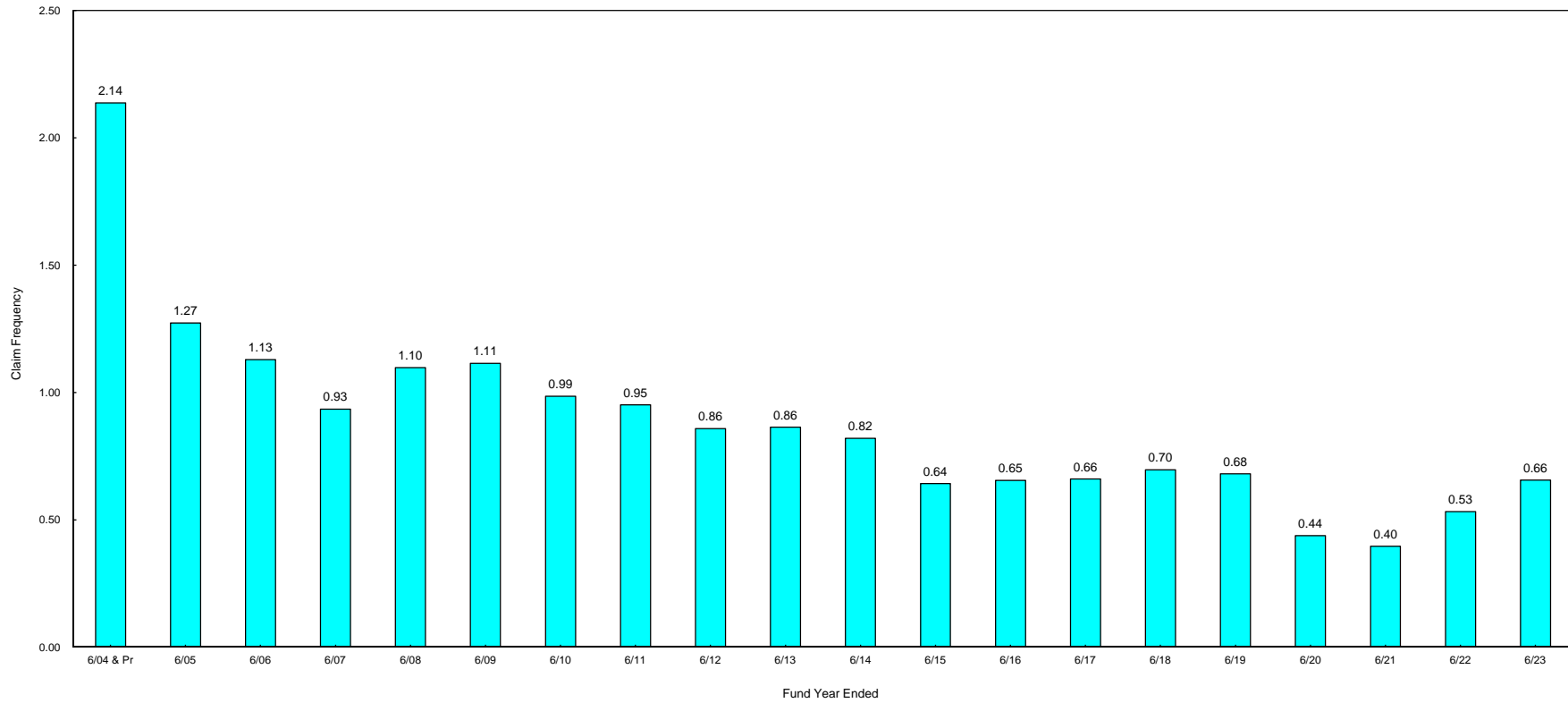
Data as of 6/30/23

		I. Raw Data																			
Accident Yr Ended	Development Period																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
6/04 & Pr	0.696	0.774	0.782	0.809	0.866	0.922	0.938	0.928	0.940	0.941	0.966	0.970	0.968	0.967	0.981	0.981	0.976	0.978	0.978	0.973	
6/05	0.639	0.613	0.644	0.800	0.801	0.863	1.024	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
6/06	0.885	0.793	0.703	0.835	0.949	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	
6/07	0.929	0.751	0.620	0.731	0.881	0.987	0.983	0.962	0.955	0.949	0.956	0.958	0.961	0.953	0.953	1.000	1.000	1.000	1.000	1.000	
6/08	0.858	0.684	0.789	0.804	0.807	0.828	0.910	0.981	1.000	0.981	0.982	0.983	0.983	0.983	0.983	0.985					
6/09	0.640	0.707	0.836	0.792	0.808	0.940	0.995	0.940	1.000	1.001	0.958	0.958	0.958	0.997	1.000						
6/10	0.709	0.771	0.826	0.773	0.886	0.958	0.989	1.000	1.000	0.999	1.000	1.000	1.000	1.000							
6/11	0.830	0.630	0.740	0.801	0.880	0.990	1.000	1.001	1.000	1.000	1.000	1.000	1.000								
6/12	0.861	0.842	0.875	0.909	0.979	0.912	1.035	0.964	1.013	0.974	1.047										
6/13	1.043	0.964	0.887	0.965	0.909	0.909	0.921	0.928	0.871	1.008											
6/14	0.899	0.897	0.884	0.954	0.966	0.978	0.965	0.950	0.929												
6/15	1.734	0.963	0.759	0.613	0.683	0.978	1.000	0.835													
6/16	0.779	0.798	0.807	0.901	0.914	0.917	0.935														
6/17	1.107	0.806	0.701	0.818	0.875	0.867															
6/18	0.869	0.605	0.690	0.692	0.966																
6/19	0.924	0.906	0.852	1.039																	
6/20	0.850	0.905	0.878																		
6/21	0.883	0.665																			
6/22	0.542																				
6/23																					

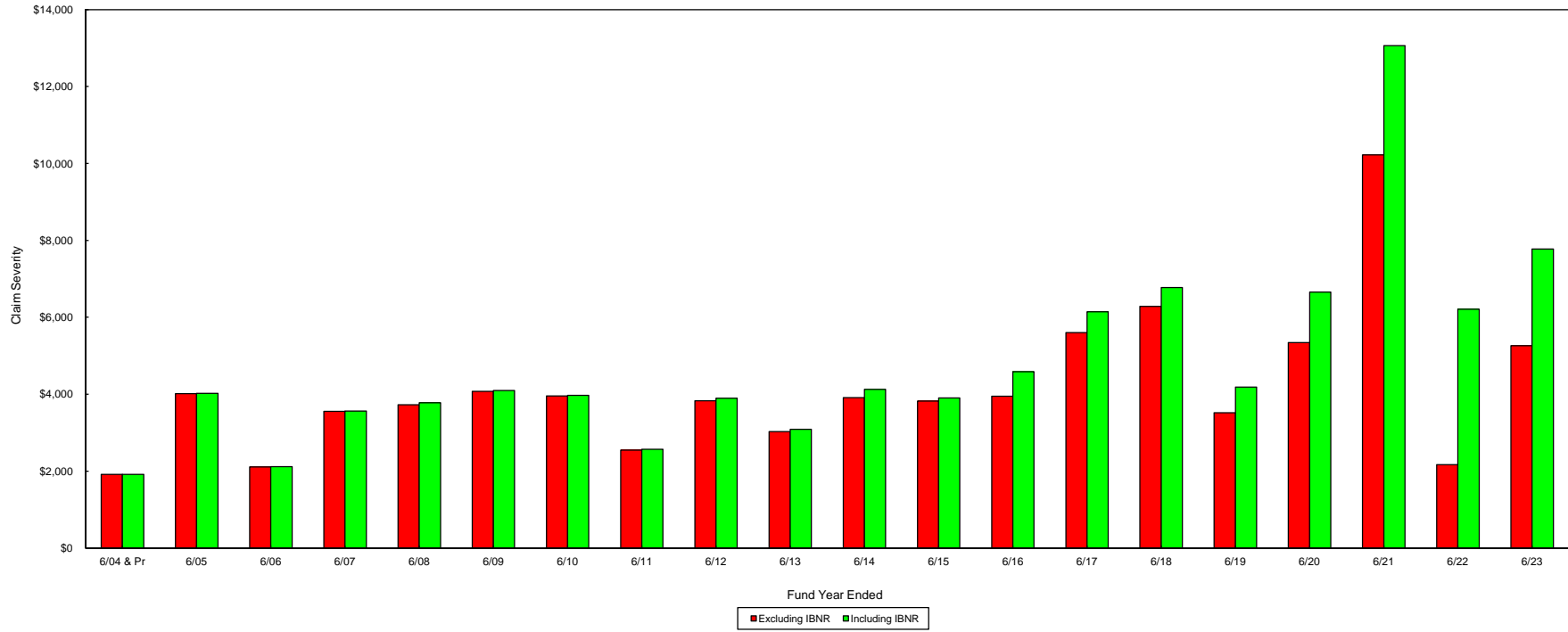
Note: Values greater than 1.00 shown in bold show that paid loss exceeded reported incurred loss which means that case reserves were inadequate to cover payments in the next development period. Inservco claim handling appears below the lines. Inservco has more often understated first period case reserves than any other development period. Generally, case reserves have been quite adequate.

GRAPHS

Morris Essex Insurance Group
Average Claim Frequency by Fund Year*

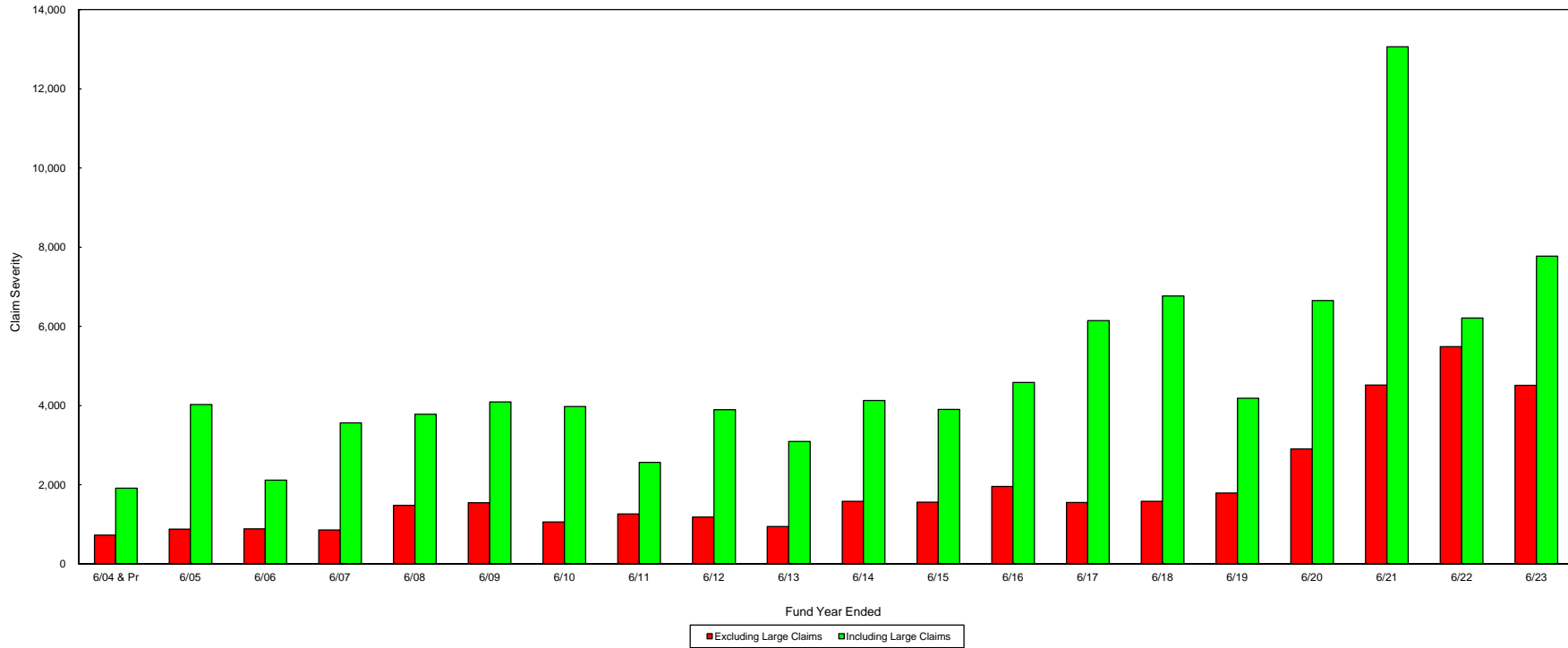


Morris Essex Insurance Group
Average Claim Severity by Fund Year*



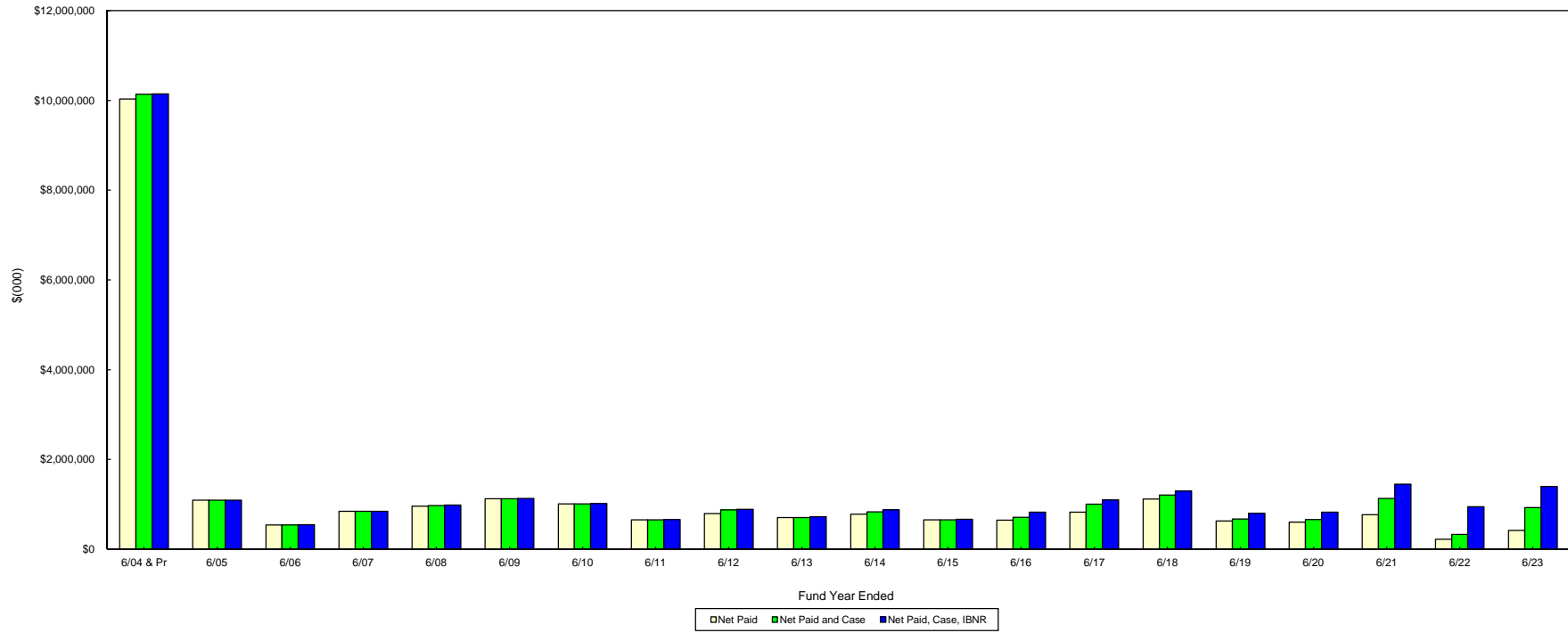
	Fund Year Ended																			
	Claim Severity for FYE:																			
	6/04 & Pr	6/05	6/06	6/07	6/08	6/09	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23
Excl IBNR	\$1,916	\$4,017	\$2,108	\$3,555	\$3,724	\$4,077	\$3,954	\$2,548	\$3,833	\$3,029	\$3,915	\$3,820	\$3,949	\$5,601	\$6,288	\$3,517	\$5,341	\$10,223	\$2,170	\$5,258
Including IBNR	\$1,917	\$4,026	\$2,117	\$3,566	\$3,778	\$4,095	\$3,974	\$2,567	\$3,898	\$3,093	\$4,127	\$3,908	\$4,583	\$6,145	\$6,771	\$4,188	\$6,653	\$13,063	\$6,209	\$7,778

Morris Essex Insurance Group
Comparison of Severities by Fund Year*

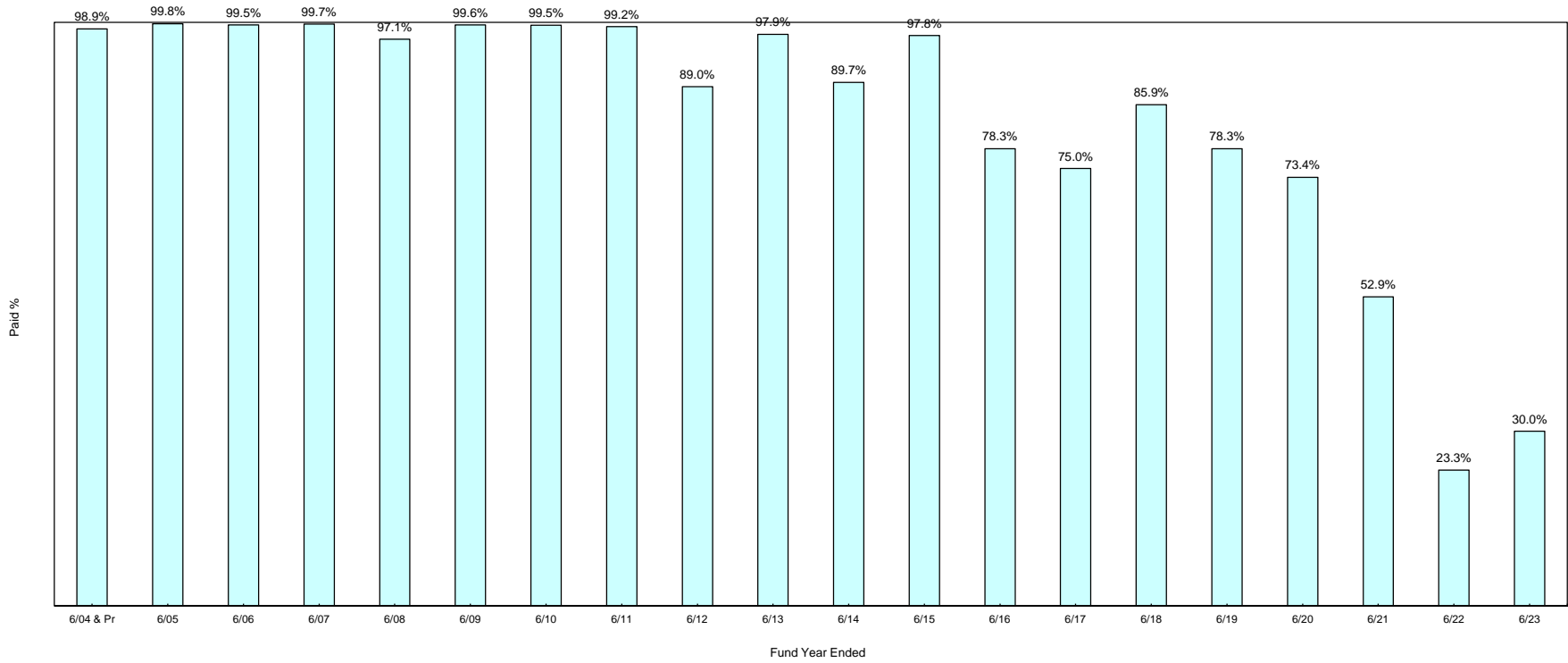


	Claim Severity for FYE:																			
	6/04 & Pr	6/05	6/06	6/07	6/08	6/09	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22	6/23
Excl Large Cim	\$728	\$877	\$890	\$861	\$1,480	\$1,544	\$1,058	\$1,262	\$1,187	\$942	\$1,580	\$1,557	\$1,956	\$1,552	\$1,581	\$1,788	\$2,903	\$4,519	\$5,488	\$4,513
Incl Large Clms	\$1,917	\$4,026	\$2,117	\$3,566	\$3,778	\$4,095	\$3,974	\$2,567	\$3,898	\$3,093	\$4,127	\$3,908	\$4,583	\$6,145	\$6,771	\$4,188	\$6,653	\$13,063	\$6,209	\$7,778
Yr/Yr % Chg Excl Lrg	20.5%	1.4%	-3.2%	71.8%	4.3%	-31.4%	19.3%	-5.9%	-20.6%	67.7%	-1.4%	25.6%	-20.7%	1.9%	13.1%	62.3%	55.7%	21.4%	-17.8%	
Yr/Yr % Chg Incl Lrg	110.1%	-47.4%	68.4%	6.0%	8.4%	-3.0%	-35.4%	51.8%	-20.7%	33.5%	-5.3%	17.3%	34.1%	10.2%	-38.1%	58.8%	96.3%	-52.5%	25.3%	

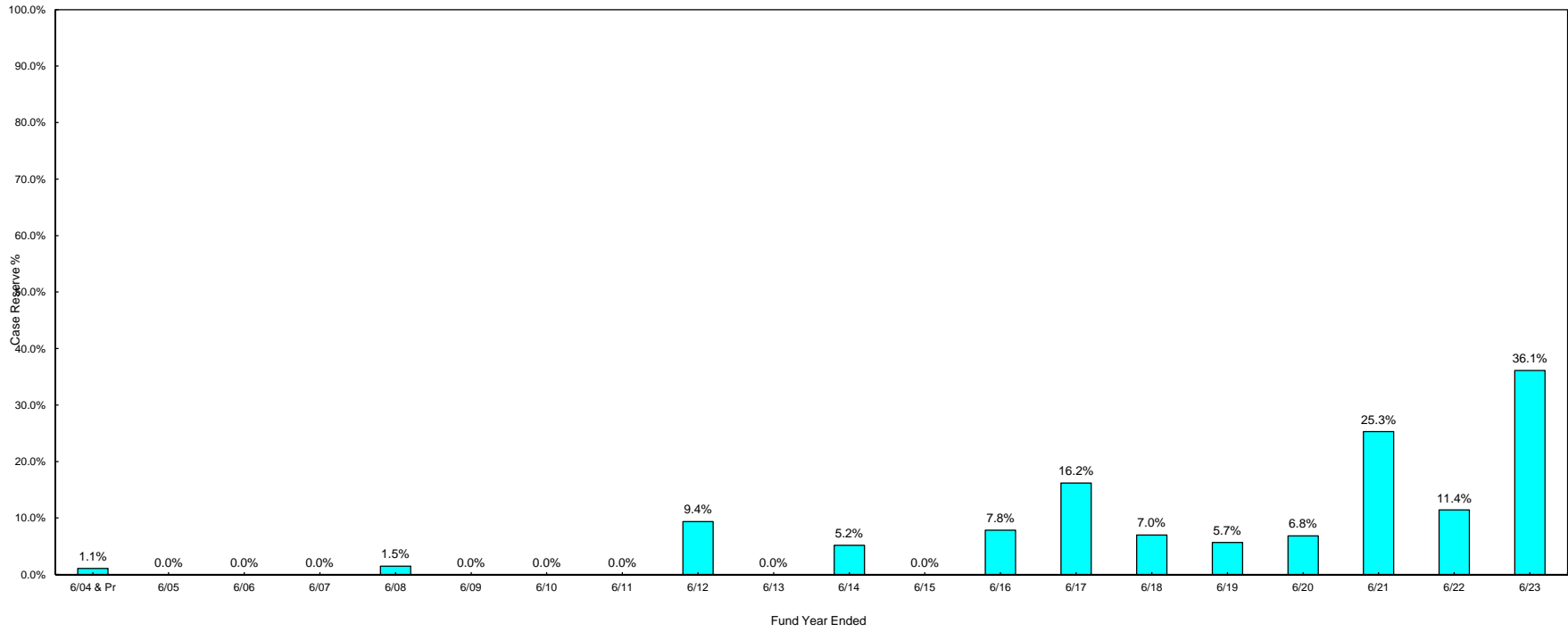
Morris Essex Insurance Group
Loss and Loss Adjustment Expense by Fund Year



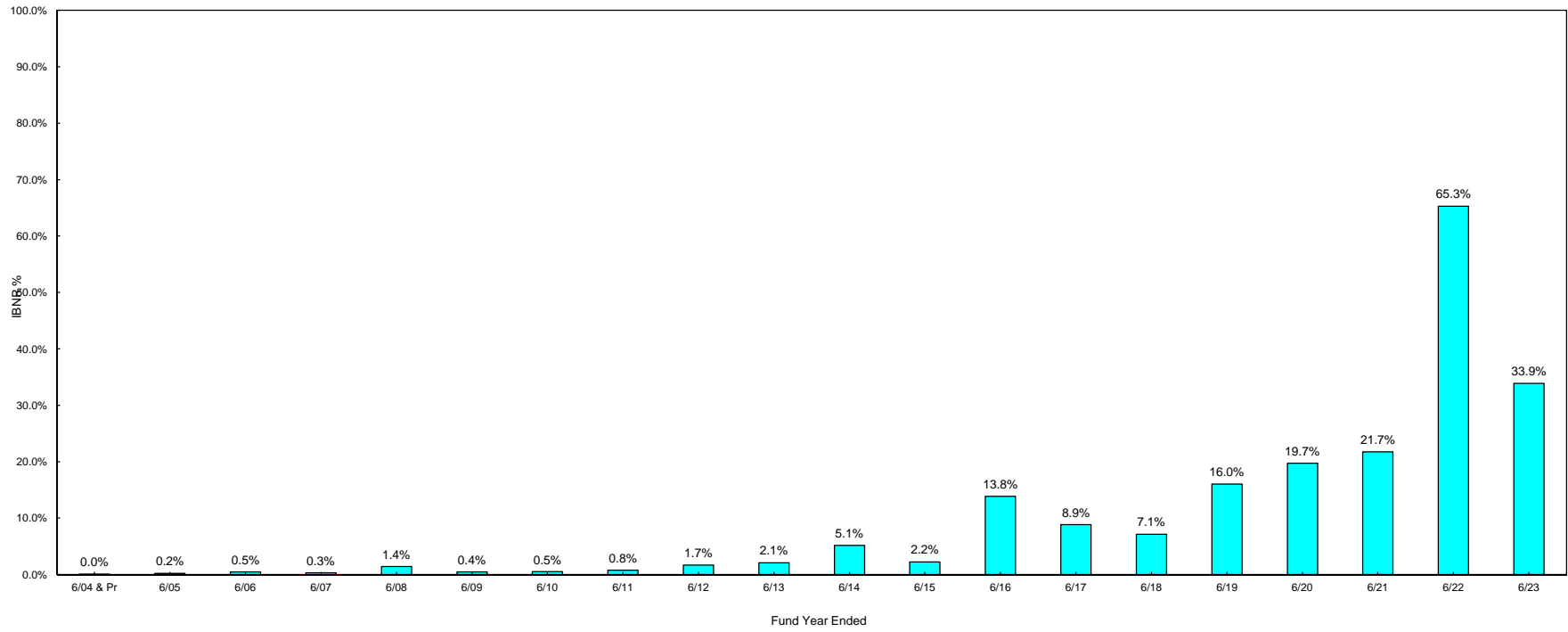
Morris Essex Insurance Group
Paid Loss as % of Total Loss by Fund Year



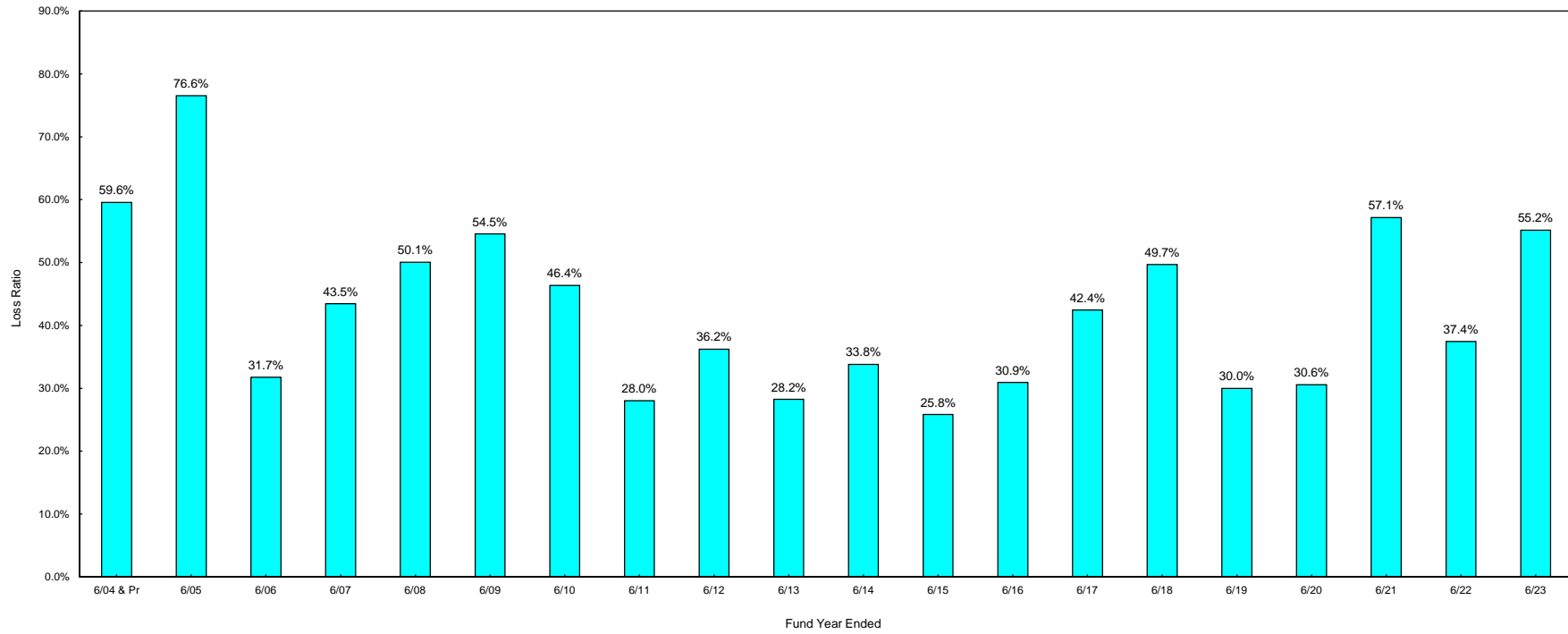
Morris Essex Insurance Group
Case Reserve as % of Total Loss by Fund Year



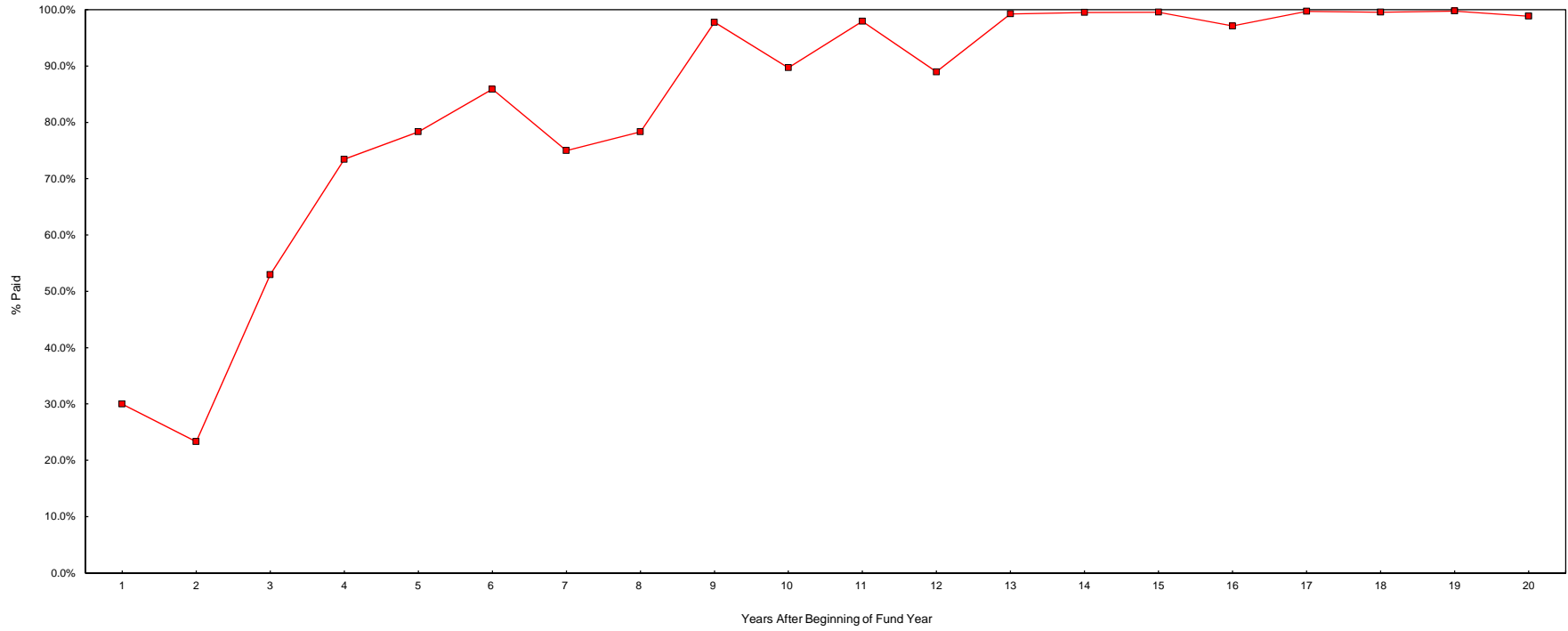
Morris Essex Insurance Group
IBNR as % of Total Loss by Fund Year



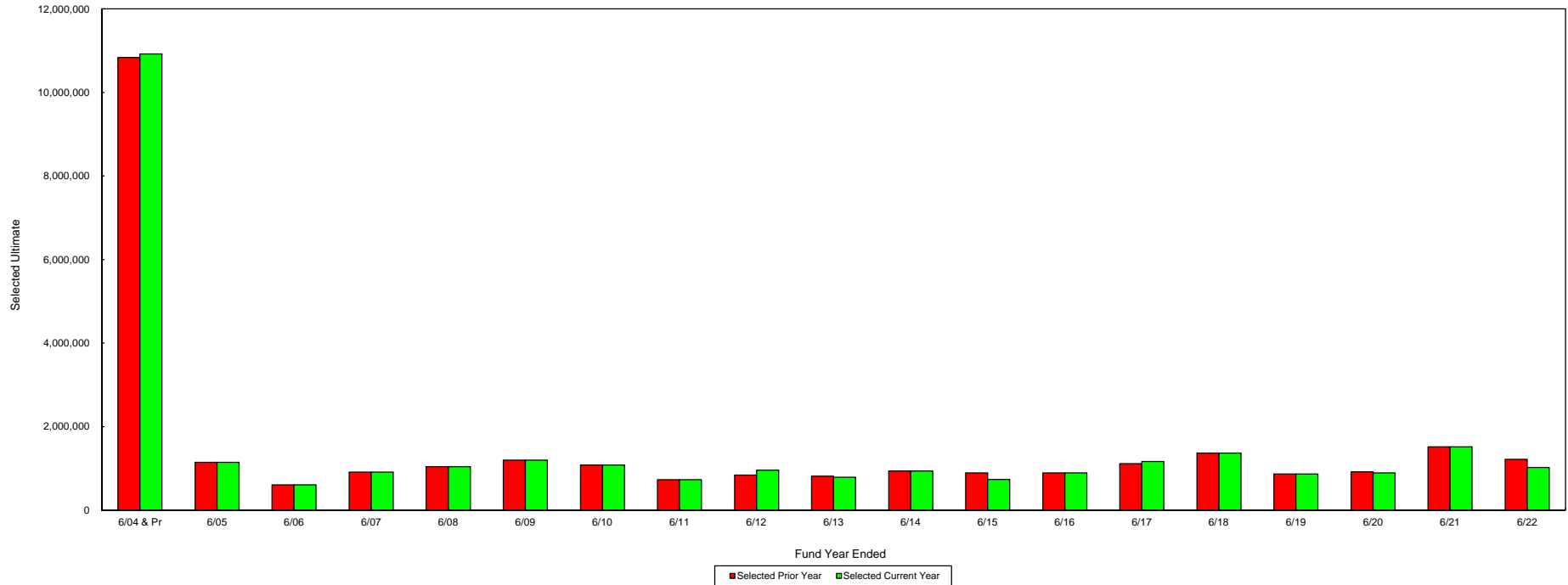
Morris Essex Insurance Group
Loss Ratio by Fund Year*



Morris Essex Insurance Group
Overall Net Loss and ALE Payout Pattern



Morris Essex Insurance Group
 Comparison of Selected Ultimate Loss and ALE Current Year to Prior Year by Fund Year



	6/04 & Pr	6/05	6/06	6/07	6/08	6/09	6/10	6/11	6/12	6/13	6/14	6/15	6/16	6/17	6/18	6/19	6/20	6/21	6/22
Sel Prior Yr	\$10,838,375	\$1,148,777	\$604,411	\$912,560	\$1,045,016	\$1,200,316	\$1,081,722	\$726,846	\$838,590	\$814,955	\$941,255	\$891,255	\$892,580	\$1,115,597	\$1,366,908	\$867,564	\$918,916	\$1,518,200	\$1,219,561
Sel Current Yr	\$10,919,270	\$1,148,777	\$604,411	\$912,560	\$1,045,016	\$1,200,316	\$1,081,722	\$726,846	\$957,626	\$788,632	\$941,255	\$734,446	\$892,580	\$1,165,597	\$1,366,908	\$867,564	\$893,916	\$1,518,200	\$1,019,561
Yr/Yr % Chg	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.2%	-3.2%	0.0%	-17.6%	0.0%	4.5%	0.0%	0.0%	-2.7%	0.0%	-16.4%