## POOLED INSURANCE PROGRAM OF NEW JERSEY

## Actuarial Analysis of the Workers' Compensation Insurance Pool Incurred But Not Reported Loss Plus Allocated <br> Loss Adjustment Expense Reserves as of December 31, 2022

April 12, 2023

Prepared by
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April 12, 2023

Ms. Barbara Francisco<br>Chairperson<br>Pooled Insurance Program of New Jersey<br>West Milford Board of Education<br>46 Highlander Drive<br>West Milford, New Jersey 07480<br>\section*{Re: Pooled Insurance Program of New Jersey<br><br>Loss plus ALAE IBNR Reserve as of December 31, 2022}

## Dear Ms. Francisco:

Enclosed is our actuarial study of the workers' compensation loss plus allocated loss adjustment expense (ALAE) incurred but not reported (IBNR) reserve as of December 31, 2022 for the Pooled Insurance Program of New Jersey (PIPNJ). ${ }^{1}$

The indicated incurred but not reported reserve as of $12 / 31 / 2022$ net of excess insurance is $\$ 8,837,470 .{ }^{2}$ This value is derived in Exhibit AIS-1, Sheet 1, Column (7). ${ }^{3}$ When the net IBNR is added to the net case reserves outstanding as of $12 / 31 / 2022$ of $\$ 5,916,173$, the total indicated net loss plus ALAE reserve as of $12 / 31 / 2022$ is $\$ 14,753,643$ ( $=\$ 8,837,470+\$ 5,916,173$ ). The gross IBNR -- before excess insurance -- of $\$ 10,120,365$ is derived in Exhibit AIS-1, Sheet 2, Column (9). When the gross IBNR is added to the gross

[^1]case reserves outstanding as of $12 / 31 / 2022$ of $\$ 12,496,351$, the total indicated gross loss plus ALAE reserve as of $12 / 31 / 2022$ is $\$ 22,616,716(=\$ 12,496,351+\$ 10,120,365) .{ }^{4}$

The net reserves are based upon projected possible excess insurance recoveries, related to projected loss \& ALAE payments after 12/31/2022 for claims occurring prior to $12 / 31 / 2022$, of about $\$ 7.9$ million. ${ }^{5}$ We have not independently verified that these amounts will be recovered. We have relied upon the representation by the PIPNJ that amounts due under the excess insurance can be collected. Problems in collecting the projected possible excess insurance recoveries could have an adverse impact upon the financial condition of PIPNJ. We have not made any analysis of the quality or collectability of these potential recoveries for projected excess insurance layer losses and ALAE.

The net reserves reflect the self-insurance retention, excess insurance limits and other provisions discussed in Section IV of this report. These values and provisions were provided by PIPNJ. We have accepted and used the values supplied for the self-insurance retention and excess insurance limits, as well as the other provisions, and have not independently verified these values.

The projected ultimate pure premium ( = losses plus ALAE per $\$ 100$ of payroll) by year implied by the selected IBNR reserves on a gross and net basis are shown in Exhibit AIS-2, Sheet 1.

A retrospective analysis of the 06/30/2022 net and gross IBNR reserve evaluated as of $12 / 31 / 2022$ can be performed based upon the experience which emerged during the last six months. This analysis is given in Exhibit AIS-3, Sheets 1 and 2. Based upon this calculation, the $06 / 30 / 2022$ net IBNR was too low by $-\$ 1,258$, 191 , while the gross IBNR was too low by $-\$ 1,870,856$.

Summaries of the net and gross loss and ALAE experience for PIPNJ are set forth in Exhibit AIS-3, Sheets 3 and 5, respectively. The amounts reported by PIPNJ as paid and case reserves ${ }^{6}$ are set out in Columns (2) and (3), respectively. The case incurred experience [Column (4)] is the sum of the paid and case reserve values. The IBNR figures derived from our analysis are shown in Column (5). The sum of the case reserve and IBNR values is the

[^2]total reserve [Column (6)]. Adding the paid to the total reserve gives the total incurred [Column (7)]. Exhibit AIS-3, Sheet 4 is a graphical presentation of the distribution of net paid losses, case reserves and IBNR reserves for each accident period.

The enclosed report presents our analysis in additional detail. Four different projections of the reserves were made. The actuarial procedures used were incurred development, incurred Bornhuetter - Ferguson, paid development and paid Bornhuetter Ferguson (See Exhibit AIS-4, Sheet 1). A comparison of the 06/30/2022 development used to the actual 12/31/2022 development is shown graphically in Exhibit AIS-4, Sheet 2.

In our analysis we have relied upon the information supplied to us by the Burton Agency, Inservco Insurance Services and PIPNJ. The information provided to us included historical paid losses (plus ALAE), case outstanding reserves, payroll, a large claim listing and excess insurance information. We have not independently checked the information supplied to us for accuracy. In addition, we have not made any analysis of the quality or collectability of projected excess insurance recoveries.

The liabilities for losses plus ALAE are subject to variation due to random and nonrandom future events. These include court decisions, legislative changes, regulatory policies, economic conditions, social attitudes and statistical fluctuations. Therefore, although we have employed generally accepted actuarial procedures in this report and believe the results are reasonably accurate given the data available, we cannot guarantee that the reserve levels set forth herein, which are an estimate of the expected value of these liabilities, will not prove to be inadequate or excessive. In addition, our reserve values do not provide for possible catastrophic events (e.g., a large number of occupational disease claims). ${ }^{7}$

Please contact me if there is anything you would care to discuss.
Sincerely,


Allan I. Schwartz
FCAS, MAAA,ARE, AIC, APA, AU,AIAF, ARM,API,ACS
President

## Enclosure

[^3]ACTUARIAL ANALYSIS OF WORKERS' COMPENSATION INSURANCE POOL INCURRED BUT NOT REPORTED LOSS PLUS ALLOCATED LOSS ADJUSTMENT EXPENSE RESERVES AS OF DECEMBER 31, 2022

Table of Contents

Memorandum

| Item | Section | Pages |
| :--- | :---: | :---: | :---: |
| Summary | I | $8-11$ |
| Gross Loss \& ALAE <br> Reserve Indications <br> Based Upon <br> Development Methods | II | 12 |
| Gross Loss \& ALAE <br> Reserve Indications <br> Based Upon <br> Bornhuetter - <br> Ferguson Methods | III | $13-14$ |
| Impact of Excess <br> Insurance | IV | $15-16$ |
| Historical Development <br> Pattern | V | 17 |

## POOLED INSURANCE PROGRAM OF NEW JERSEY

# ACTUARIAL ANALYSIS OF WORKERS' COMPENSATION INSURANCE POOL INCURRED BUT NOT REPORTED LOSS PLUS ALLOCATED LOSS ADJUSTMENT EXPENSE RESERVES AS OF DECEMBER 31, 2022 

## Exhibits

ItemDerivation of Net IBNRLoss \& ALAE Reserve
$\qquad$Derivation of Gross IBNRLoss \& ALAE ReserveAIS-1, Sheet 2
Net and Gross IBNR by Year as a Percent of Total IBNR ..... AIS-1, Sheet 3
Pure Premium Impliedby 12/31/2022 IBNRAIS-2, Sheets $1 \& 2$
Indicated Deficiency/ Redundancy of 06/30/2022
Net and Gross IBNR ..... AIS-3, Sheets 1 \& 2
Summary of Loss \& ALAE Experience - Net Paid, Case Reserves \& IBNR ..... AIS-3, Sheet 3
Distribution of Net Paid Losses,
Case Reserves \& IBNR. ..... AIS-3, Sheet 4
Summary of Loss \& ALAE Experience -
Gross Paid, Case Reserves \& IBNR ..... AIS-3, Sheet 5
Summary of Methods to Estimate Losses ..... AIS-4, Sheet 1
Comparison of 06/30/2022 Loss DevelopmentAIS-4, Sheet 2
Analysis of Specific Excess InsuranceLosses \& ALAEAIS-5, Sheet 1
Analysis of Aggregate Excess InsuranceLosses \& ALAEAIS-5, Sheet 2
Projection of Ultimate Losses \& ALAE - Incurred Development ..... Appendix A

Projection of Ultimate Losses \& ALAE -
Paid Development.......................................................................... Appendix B
Ratio of Paid to Incurred
Losses and ALAE........................................................................... Appendix C

# POOLED INSURANCE PROGRAM OF NEW JERSEY 

## Actuarial Analysis of Workers' Compensation Insurance Pool Incurred But Not Reported Loss plus Allocated Loss Adjustment Expense Reserves as of December 31, 2022

## I. Summary: Exhibit 1

This report sets forth our actuarial analysis of the incurred but not reported (IBNR) loss plus allocated loss adjustment expense (ALAE) reserves of the Pooled Insurance Program of New Jersey (PIPNJ) as of December 31, 2022. This analysis was performed on both a gross basis -- before consideration of excess insurance, and a net basis -- after consideration of excess insurance. ${ }^{1}$

The gross loss plus ALAE experience was analyzed using four separate methods. The four actuarial procedures used were incurred development, incurred Bornhuetter Ferguson, paid development and paid Bornhuetter Ferguson (See Exhibit AIS-4, Sheet 1).

A summary of the projected ultimate gross loss plus ALAE experience indications for each of these methods is set forth in Exhibit 1, Sheet 2 [Columns (2) through (5)]. Also shown is the mean indication [Column (6)] and the selected ultimate value [Column (7)]. Subtracting out the gross reported incurred losses plus ALAE [Column (8)] from the projected ultimate value [Column (7)] gives the gross IBNR [Column (9)].

The net projected ultimate loss plus ALAE by year is derived in Exhibit 1, Sheet 1. This was done by subtracting from the gross values [Column (2)] the, i) recovery amounts (evaluated based upon the terms of the excess insurance agreements) ${ }^{2}$ associated with the paid losses and ALAE, and ii) estimated future specific excess [Column (3)] and aggregate excess [Column (4)] potentially recoverable losses \& ALAE. ${ }^{3}$ The net IBNR

[^4][Column (7)] is determined by subtracting the reported net incurred [Column (6)] from the projected net ultimate loss \& ALAE [Column (5)]. ${ }^{4}$

The indicated gross and net IBNR loss plus ALAE reserve values by year are set forth in the following table.

| Fund Period | December 31, 2022 IBNR Loss and ALAE Reserve Level |  |
| :---: | ---: | :---: |
| Ending: | Gross | $\underline{\text { Net }}$ |
| $6 / 30 / 1985$ to $6 / 30 / 1992$ | $\$ 0$ | $\$ 0$ |
| $6 / 30 / 1993$ | $\$ 487,148$ | $\$ 0$ |
| $6 / 30 / 1994$ to $6 / 30 / 1997$ | $\$ 0$ | $\$ 0$ |
| $6 / 30 / 1998$ | $\$ 104,053$ | $\$ 0$ |
| $6 / 30 / 1999$ to $6 / 30 / 2006$ | $\$ 0$ | $\$ 0$ |
| $6 / 30 / 2007$ | $\$ 136,884$ | $\$ 106,370$ |
| $6 / 30 / 2008$ | $\$ 0$ | $\$ 0$ |
| $6 / 30 / 2009$ | $\$ 32,492$ | $\$ 32,492$ |
| $6 / 30 / 2010$ | $\$ 166,990$ | $\$ 166,990$ |
| $6 / 30 / 2011$ | $\$ 124,465$ | $\$ 124,465$ |
| $6 / 30 / 2012$ | $\$ 121,746$ | $\$ 121,746$ |
| $6 / 30 / 2013$ | $\$ 157,524$ | $\$ 157,524$ |
| $6 / 30 / 2014$ | $\$ 242,940$ | $\$ 242,940$ |
| $6 / 30 / 2015$ | $\$ 198,385$ | $\$ 198,385$ |
| $6 / 30 / 2016$ | $\$ 204,536$ | $\$ 204,536$ |
| $6 / 30 / 2017$ | $\$ 425,203$ | $\$ 425,203$ |
| $6 / 30 / 2018$ | $\$ 320,573$ | $\$ 320,573$ |
| $6 / 30 / 2019$ | $\$ 754,785$ | $\$ 754,785$ |
| $6 / 30 / 2020$ | $\$ 711,086$ | $\$ 608,005$ |
| $6 / 30 / 2021$ | $\$ 1,222,275$ | $\$ 1,170,915$ |
| $6 / 30 / 2022$ | $\$ 2,390,393$ | $\$ 2,256,765$ |
| $12 / 31 / 2022$ | $\$ 2,318,887$ | $\$ 1,945,775$ |
|  |  |  |
| Total | $\$ 10,120,365$ | $\$ 8,837,470$ |

The projected ultimate pure premium ( = losses plus ALAE per $\$ 100$ of payroll) by year implied by the selected IBNR reserves on a gross and net basis are shown in Exhibit AIS-2, Sheet 1.

[^5]A retrospective analysis of the 06/30/2022 net and gross IBNR reserve evaluated as of $12 / 31 / 2022$ can be performed based upon the experience which emerged during the last six months. This analysis is given in Exhibit AIS-3, Sheets 1 and 2. The IBNR reserve as of $06 / 30 / 2022$ [Column (2)] is reduced by the costs which were reported during the most recent fiscal period from 06/22 to $12 / 22$ [Column (3)]. If the 06/30/2022 IBNR was exactly correct, then this difference [Column (4)] would be the proper IBNR as of $12 / 31 / 2022$. A comparison of this value with the current projected IBNR as of $12 / 31 / 2022$ shows the accuracy (in retrospect with six month's hindsight) of the $06 / 30 / 2022$ IBNR. Based upon this calculation, the 06/30/2022 net IBNR was too low by $-\$ 1,258,191$, while the gross IBNR was too low by $-\$ 1,870,856$. The years with the largest change on a gross basis were the years ending 6/30/1998, 6/30/2021 and $6 / 30 / 2022$. The more recent experience can be expected to show a higher degree of variability.

A summary of the net and gross loss and ALAE experience for PIPNJ is set forth in Exhibit AIS-3, Sheets 3 and 5, respectively. The amounts reported by PIPNJ as paid and case reserves ${ }^{5}$ are set out in Column (2) and Column (3) respectively. The case incurred experience [Column (4)] is the sum of the paid and case reserve values. The IBNR figures derived from our analysis are shown in Column (5). The sum of the case reserve and IBNR values is the total reserve [Column (6)]. Adding the paid to the total reserve gives the total incurred [Column (7)]. Exhibit AIS-3, Sheet 4 is a graphical presentation of the distribution of net paid losses, case reserves and IBNR reserves for each accident period.

In our analysis we have relied upon information supplied to us by the Burton Agency, Inservco Insurance Services and PIPNJ. The information provided to us included historical paid losses (plus ALAE), case outstanding reserves, ${ }^{6}$ payroll, a large claim listing and excess insurance information. We have not independently checked the information supplied to us for accuracy. If any of the data or information provided by Burton, PIPNJ or Inservco is wrong, inaccurate or otherwise inapplicable, that could have an impact, perhaps materially, on the indicated reserves. ${ }^{7}$ In addition, we have not made any analysis of the quality or collectability of projected excess insurance recoveries.

The net reserves are based upon projected possible excess insurance recoveries, related to projected loss \& ALAE payments after 12/31/2022 for claims occurring prior

[^6]to $12 / 31 / 2022$, of about $\$ 7.9$ million. ${ }^{8}$ We have not independently verified that these amounts will be recovered. We have relied upon the representation by the PIPNJ that amounts due under the excess insurance can be collected. Problems in collecting the projected possible excess insurance recoveries could have an adverse impact upon the financial condition of PIPNJ. We have not made any analysis of the quality or collectability of these potential recoveries for projected excess insurance layer losses and ALAE. The net reserves reflect the self-insurance retention, excess insurance limits and other provisions discussed in Section IV of this report. These values and provisions were provided by PIPNJ. We have accepted and used the values supplied for the selfinsurance retention and excess insurance limits, as well as the other provisions, and have not independently verified these values.

The liabilities for losses plus ALAE are subject to variation due to random and non-random future events. These include court decisions, legislative changes, regulatory policies, economic conditions, social attitudes and statistical fluctuations. Therefore, although we have employed generally accepted actuarial procedures in this report and believe the results are reasonably accurate given the data available, we cannot guarantee that the reserve levels set forth herein, which are an estimate of the expected value of these liabilities, will not prove to be inadequate or excessive. ${ }^{9}$ No warranty or guarantee is expressed or implied that the actual cost of the claims will not differ from the estimates contained in this analysis. Such differences between the actual costs and the estimated costs could be material and significant. In addition, our reserve values do not provide for possible catastrophic events (e.g., a large number of occupational disease claims). ${ }^{10}$

[^7]The development method of projecting ultimate costs is based upon giving full weight to whatever experience (i.e., either paid or incurred) has emerged up to that point in time, and not using prior expectations as to what the costs should be. Set forth below is the formulation of the development method for analyzing experience.

Let:

$$
\begin{aligned}
\mathrm{A}= & \text { Actual Costs (either paid or incurred) that have Emerged Through the } \\
& \text { Evaluation Date } \\
\mathrm{P} \quad= & \text { Percent of Ultimate Cost Anticipated to have Emerged at a Given } \\
& \text { Evaluation Date } \\
\mathrm{L}= & \text { Development Factor }=1 / \mathrm{P} \\
\mathrm{UDM}= & \text { Ultimate Cost Derived from the Development Method }
\end{aligned}
$$

Then:
$\mathrm{UDM}=\mathrm{A} / \mathrm{P}=\mathrm{A} \times \mathrm{L}$
To give a specific example, let us use incurred experience for the accident year ending 06/30/2012, as shown in Exhibit AIS-4, Sheet 1. The actual incurred losses (plus ALAE) at the most recent evaluation date (i.e., development period 138 months) is $\$ 1,936,635$. The loss development factor is 1.062732 (shown in Column (8), rounded to 3 places). The projected ultimate cost is therefore $\$ 1,936,635 \times 1.062732=\$ 2,058,125$. This projected value is shown in Column (10) of Exhibit AIS-4, Sheet 1, while the loss development factors are derived in Appendix A.

In addition to performing an incurred development analysis, a similar analysis can also be made using paid loss plus ALAE experience. In that case, paid losses plus ALAE are substituted for the incurred values. In addition, the emergence pattern of payments is used in place of the emergence of incurred (= paid + case reserves ) experience. In all other respects, the calculation is the same. The application of the development method on a paid basis is displayed in Exhibit AIS-4, Sheet 1 and Appendix B.

We can compare the loss development used in the reserve calculations as of $06 / 30 / 2022$ to what was actually experienced as of $12 / 31 / 2022$ by examining the loss development factors selected in the prior report to those calculated in the current report. Exhibit AIS-4, Sheet 2 shows the development used, based upon the 06/30/2022 reserve report to the actual development calculated in Appendices A and B of the current report.

## III. Gross Loss \& ALAE Reserve Indications Based Upon Bornhuetter-Ferguson Methods: Exhibit 4

The Bornhuetter - Ferguson Method for projecting ultimate costs is based upon a blending of the actual emerging experience with the previous expectations as to what the experience would show. Set forth below is the formulation of the Bornhuetter - Ferguson Method.

Let :
E = Initial Expected/Prior Ultimate Cost Projection
A = Actual Costs (either paid or incurred) that have Emerged Through the Evaluation Date

P = Percent of Ultimate Cost Anticipated to have Emerged at a Given Evaluation Date

UBF $=$ Ultimate Cost Derived from Bornhuetter - Ferguson Method
Then:

$$
\mathrm{UBF}=\mathrm{A}+\mathrm{Ex}(1-\mathrm{P})
$$

That is, the current ultimate cost indicated from the Bornhuetter - Ferguson Method is the actual cost observed at the most recent evaluation, plus the cost expected to emerge at future evaluations based upon the prior ultimate cost projections.

A specific example will illustrate this more clearly. Let us again use incurred experience from the year ending 06/30/2012, as shown in Exhibit AIS-4, Sheet 1.

The initial expected (prior) ultimate cost is derived as the payroll times the pure premium. The expected ultimate cost ( E ) for the year is therefore $\$ 2,066,796=$ $\$ 5,690,119$ (payroll in hundreds) times 0.363225 (shown in Column (3), rounded to 3 places). The actual incurred losses \& ALAE for this period reported through 06/30/12 is $\$ 1,936,635$.

The percent of costs expected to have emerged is the reciprocal of the development factor. This is $94.1 \%(=1 / 1.063)$.

Therefore, the current incurred Bornhuetter - Ferguson projected ultimate cost is : $\$ 1,936,635+\$ 2,066,796 \times(1-0.941)=\$ 1,936,635+\$ 122,002=\$ 2,058,637$ as shown in Column (12).

In addition to performing an incurred Bornhuetter Ferguson analysis, a similar analysis can also be made using paid loss plus ALAE experience. In that case, paid losses plus ALAE are substituted for the incurred values. In addition, the emergence pattern of payments is used in place of the emergence of incurred ( = paid + case reserves ) experience. In all other respects, the calculation is the same. The application of Bornhuetter - Ferguson on a paid basis is displayed in Exhibit AIS-4, Sheet 1.

It is instructive to compare the results of the Bornhuetter - Ferguson and Development Methods. The two formulations of the projected ultimate costs are set forth below:

$$
\begin{aligned}
& \mathrm{UBF}=\mathrm{A}+\mathrm{E} \times(1-\mathrm{P}) \\
& \mathrm{UDM}=\mathrm{A} / \mathrm{P}=\mathrm{A} \times \mathrm{L}
\end{aligned}
$$

Let $\mathrm{A}=\mathrm{E} x \mathrm{P} \times(1+\mathrm{F})$. That is, the actual cost which has emerged (A), equals the cost expected to have emerged ( $\mathrm{E} \times \mathrm{P}$ ), multiplied by an adjustment factor $(1+\mathrm{F})$.

Then:

$$
\begin{aligned}
\mathrm{UBF} & =\mathrm{E} \times \mathrm{P} \times(1+\mathrm{F})+\mathrm{E} \times(1-\mathrm{P}) \\
& =\mathrm{E} \times(1+\mathrm{P} \times \mathrm{F}) \\
\mathrm{UDM} & =\mathrm{E} \times \mathrm{P} \times(1+\mathrm{F}) / \mathrm{P} \\
& =\mathrm{E} \times(1+\mathrm{F})
\end{aligned}
$$

When $F=0$, then UBF $=$ UDM. That is, when the cost actually emerging exactly equals the cost expected to have emerged, the two methods yield the same result. In other cases, UBF will give an answer closer to the previously expected ultimate cost (E) then will UDM. This result holds because P is less than one. That is, UBF will show more stability from year-to-year than will UDM. Of course, this is what would be anticipated because the former method blends together the current and prior indications, whereas the latter method uses only the most current experience.

## IV. Impact of Excess Insurance : Exhibit AIS-5

The Pooled Insurance Program has obtained both specific and aggregate excess insurance coverage in the past. ${ }^{11}$ The self-insurance retentions under these programs are summarized below.

| Fund Period Ending: | Combined) for Excess Insurance Coverage |  |
| :---: | :---: | :---: |
|  | Specific | Aggregate |
| 6/30/1985*12 | \$ 100,000 | \$ 545,332 |
| 6/30/1986* | \$ 125,000 | \$ 919,028 |
| 6/30/1987* | \$ 150,000 | \$ 1,305,010 |
| 6/30/1988 | \$ 200,000 | \$ 1,400,000 |
| 6/30/1989 | \$ 200,000 | \$ 1,820,000 |
| 6/30/1990 | \$ 225,000 | \$ 2,550,000 |
| 6/30/1991 |  |  |
| to | \$ 250,000 | N/A |
| 6/30/2000 |  |  |
| 6/30/2001 | \$ 250,000 | \$ 3,281,454 |
| 6/30/2002 | \$ 250,000 | \$ 3,546,563 |
| 6/30/2003 | \$ 300,000 | \$ 3,741,030 |
| 6/30/2004 | \$ 325,000 | \$ 4,288,385 |
| 6/30/2005 | \$ 350,000 | \$ 5,422,814 |
| 6/30/2006 | \$ 350,000 | \$ 6,012,493 |
| 6/30/2007 | \$ 350,000 | \$ 6,433,368 |
| 6/30/2008 | \$ 350,000 | \$ 6,883,703 |
| 6/30/2009 | \$ 350,000 | \$ 6,883,703 |
| 6/30/2010 | \$ 350,000 | \$ 6,883,703 |
| 6/30/2011 | \$ 350,000 | \$ 6,883,703 |
| 6/30/2012 | \$ 350,000 | \$ 6,883,703 |
| 6/30/2013 | \$ 350,000 | \$ 7,055,795 |
| 6/30/2014 |  |  |
| to | \$ 500,000 | N/A |
| 6/30/2022 |  |  |
| 6/30/2023 | \$600,000 | N/A |

[^8]12 * Aggregate retention values have been set to equal the net incurred amounts for these years.

The net reserves are based upon projected possible excess insurance recoveries, related to projected loss \& ALAE payments after 12/31/2022 for claims occurring prior to $12 / 31 / 2022$, of about $\$ 7.9$ million. ${ }^{13}$ We have not independently verified that these amounts will be recovered. We have relied upon the representation by the PIPNJ that amounts due under the excess insurance can be collected. Problems in collecting the projected possible excess insurance recoveries could have an adverse impact upon the financial condition of PIPNJ. We have not made any analysis of the quality or collectability of these potential recoveries for projected excess insurance layer losses and ALAE.

The analysis of the aggregate excess coverage is contained in Exhibit AIS-5, Sheet 2. The forecasted gross ultimate cost is first reduced by the projected specific excess losses \& ALAE. The estimated losses \& ALAE in the aggregate excess layer would then be the difference between the gross cost reduced by specific excess and the aggregate SIR (with the difference limited to a minimum value of $\$ 0$ ). The current expectation is that the aggregate SIR will not be reached in any of the years for which the Pool had aggregate excess coverage.

The estimated losses plus ALAE in excess of the specific SIR and aggregate SIR combined is approximately $\$ 15.2$ million (with the vast majority arising from one very large claim during the year ending June 30, 1993). ${ }^{14}$ We have not performed any analysis of the collectability of these potential excess insurance layer losses \& ALAE.

[^9]
## V. Historical Development Pattern : Appendix C

Both the Development and Bornhuetter - Ferguson Methods depend upon the percent of costs expected to emerge at specific evaluation dates. This percent is simply the reciprocal of the development factor. The development factors used in this analysis are based upon the actual emerging experience for the Pooled Insurance Program and judgment. The historical emergence / development pattern of losses for PIPNJ is shown in Appendices A and B for incurred and paid experience, respectively.

The ratio of reported paid to incurred losses for PIPNJ by accident year and development period maturity is set forth in Appendix C. Based upon our review, we believe it is reasonable to give consideration to both the paid and incurred methods in projecting the IBNR reserve.

POOLED INSURANCE PROGRAM OF NEW JERSEY
Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Derivation of Net Incurred But Not Reported (IBNR)
Loss \& Allocated Loss Adjustment Expense (ALAE) Reserve

| (1) | Projected Ultimate Losses \& ALAE |  |  |  | (6) | (7) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Accident Year Ended | Gross | Specific Excess | Aggregate Excess | Net of Excess Coverage | $\begin{aligned} & \text { 12/31/2022 Net } \\ & \text { Incurred } \\ & \text { Loss \& ALAE } \end{aligned}$ | Net IBNR Reserve for Loss \& ALAE |
| 30-Jun-85 | \$703,551 | \$155,853 | \$0 | \$547,699 | \$547,699 | \$0 |
| 30-Jun-86 | \$1,117,238 | \$173,353 | \$0 | \$943,885 | \$943,885 | \$0 |
| 30-Jun-87 | \$1,721,550 | \$401,258 | \$0 | \$1,320,292 | \$1,320,292 | \$0 |
| 30-Jun-88 | \$1,281,603 | \$1,215 | \$0 | \$1,280,387 | \$1,280,387 | \$0 |
| 30-Jun-89 | \$940,643 | \$0 | \$0 | \$940,643 | \$940,643 | \$0 |
| 30-Jun-90 | \$2,933,600 | \$737,677 | \$0 | \$2,195,923 | \$2,195,923 | \$0 |
| 30-Jun-91 | \$1,678,638 | \$211,935 | \$0 | \$1,466,703 | \$1,466,703 | \$0 |
| 30-Jun-92 | \$1,262,390 | \$0 | \$0 | \$1,262,390 | \$1,262,390 | \$0 |
| 30-Jun-93 | \$11,507,315 | \$9,750,000 | \$0 | \$1,757,315 | \$1,757,315 | \$0 |
| 30-Jun-94 | \$1,779,090 | \$0 | \$0 | \$1,779,090 | \$1,779,090 | \$0 |
| 30-Jun-95 | \$2,704,051 | \$589,108 | \$0 | \$2,114,943 | \$2,114,943 | \$0 |
| 30-Jun-96 | \$1,996,338 | \$0 | \$0 | \$1,996,338 | \$1,996,338 | \$0 |
| 30-Jun-97 | \$2,374,715 | \$0 | \$0 | \$2,374,715 | \$2,374,715 | \$0 |
| 30-Jun-98 | \$5,259,060 | \$2,121,971 | \$0 | \$3,137,089 | \$3,137,089 | \$0 |
| 30-Jun-99 | \$2,262,382 | \$18,620 | \$0 | \$2,243,762 | \$2,243,762 | \$0 |
| 30-Jun-00 | \$1,637,844 | \$0 | \$0 | \$1,637,844 | \$1,637,844 | \$0 |
| 30-Jun-01 | \$1,610,845 | \$0 | \$0 | \$1,610,845 | \$1,610,845 | \$0 |
| 30-Jun-02 | \$1,773,186 | \$0 | \$0 | \$1,773,186 | \$1,773,186 | \$0 |
| 30-Jun-03 | \$2,022,489 | \$0 | \$0 | \$2,022,489 | \$2,022,489 | \$0 |
| 30-Jun-04 | \$1,786,846 | \$0 | \$0 | \$1,786,846 | \$1,786,846 | \$0 |
| 30-Jun-05 | \$1,895,326 | \$0 | \$0 | \$1,895,326 | \$1,895,326 | \$0 |
| 30-Jun-06 | \$2,168,190 | \$0 | \$0 | \$2,168,190 | \$2,168,190 | \$0 |
| 30-Jun-07 | \$2,613,052 | \$94,697 | \$0 | \$2,518,355 | \$2,411,985 | \$106,370 |
| 30-Jun-08 | \$1,948,698 | \$0 | \$0 | \$1,948,698 | \$1,948,698 | \$0 |
| 30-Jun-09 | \$4,104,306 | \$106,307 | \$0 | \$3,997,999 | \$3,965,507 | \$32,492 |
| 30-Jun-10 | \$2,970,964 | \$0 | \$0 | \$2,970,964 | \$2,803,975 | \$166,990 |
| 30-Jun-11 | \$2,142,656 | \$0 | \$0 | \$2,142,656 | \$2,018,191 | \$124,465 |
| 30-Jun-12 | \$2,058,381 | \$0 | \$0 | \$2,058,381 | \$1,936,635 | \$121,746 |
| 30-Jun-13 | \$2,421,246 | \$0 | \$0 | \$2,421,246 | \$2,263,722 | \$157,524 |
| 30-Jun-14 | \$3,365,622 | \$0 | \$0 | \$3,365,622 | \$3,122,682 | \$242,940 |
| 30-Jun-15 | \$2,347,451 | \$0 | \$0 | \$2,347,451 | \$2,149,066 | \$198,385 |
| 30-Jun-16 | \$2,493,658 | \$0 | \$0 | \$2,493,658 | \$2,289,122 | \$204,536 |
| 30-Jun-17 | \$4,341,392 | \$0 | \$0 | \$4,341,392 | \$3,916,188 | \$425,203 |
| 30-Jun-18 | \$2,707,087 | \$0 | \$0 | \$2,707,087 | \$2,386,514 | \$320,573 |
| 30-Jun-19 | \$3,909,290 | \$0 | \$0 | \$3,909,290 | \$3,154,506 | \$754,785 |
| 30-Jun-20 | \$3,575,871 | \$322,973 | \$0 | \$3,252,899 | \$2,644,893 | \$608,005 |
| 30-Jun-21 | \$4,173,916 | \$51,360 | \$0 | \$4,122,555 | \$2,951,640 | \$1,170,915 |
| 30-Jun-22 | \$5,630,475 | \$133,628 | \$0 | \$5,496,847 | \$3,240,082 | \$2,256,765 |
| 31-Dec-22 | \$3,284,085 | \$373,112 | \$0 | \$2,910,973 | \$965,198 | \$1,945,775 |
| Total | \$106,505,041 | \$15,243,067 | \$0 | \$91,261,974 | \$82,424,503 | \$8,837,470 |

Notes:
(2) : Exhibit AIS-1, Sheet 2, Column (7)
(3) : Exhibit AIS-5, Sheet 2, Column (4)
(4) : Exhibit AIS-5, Sheet 2, Column (6)
(5) : (2) - (3) - (4)
(6) : 12/31/2022 Paid + Outstanding - (Reinsurance Received \& Receivable \& Recoverable) \#
(7) : (5) - (6)
\# Includes an adjustment for non-reimbursable claim expenses, rehabilitation costs and legal fees.

Derivation of Gross Incurred But Not Reported (IBNR) Loss \& Allocated Loss Adjustment Expense (ALAE) Reserve

| (1) | $\stackrel{(2)}{(3)} \stackrel{(3)}{\text { Incurred Methods }}$ - Gross |  | (4)Paid(5)Methods - Gross |  | (6) (7) Projected Ultimate Gross Losses \& ALAE |  | (8) <br> 12/31/2022 Gross <br> Reported Loss \& ALAE | (9) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Gross IBNR |  |  |  |
| Year |  | Bornhuetter |  |  |  | Bornhuetter |  | Reserve for |
| Ending | Development | -Ferguson | Development | - Ferguson |  |  | Mean Value | Selected | Loss \& ALAE |
| 30-Jun-85 | \$703,551 | \$703,551 | \$710,587 | \$710,517 | \$707,052 | \$703,551 |  | \$703,551 | \$0 |
| 30-Jun-86 | \$1,117,238 | \$1,117,238 | \$1,128,410 | \$1,128,299 | \$1,122,796 | \$1,117,238 | \$1,117,238 | \$0 |
| 30-Jun-87 | \$1,721,550 | \$1,721,550 | \$1,738,766 | \$1,738,595 | \$1,730,115 | \$1,721,550 | \$1,721,550 | \$0 |
| 30-Jun-88 | \$1,281,603 | \$1,281,603 | \$1,294,419 | \$1,294,292 | \$1,287,979 | \$1,281,603 | \$1,281,603 | \$0 |
| 30-Jun-89 | \$940,643 | \$940,643 | \$950,049 | \$949,956 | \$945,322 | \$940,643 | \$940,643 | \$0 |
| 30-Jun-90 | \$2,933,600 | \$2,933,600 | \$2,621,461 | \$2,624,530 | \$2,778,298 | \$2,933,600 | \$2,933,600 | \$0 |
| 30-Jun-91 | \$1,678,638 | \$1,678,638 | \$1,664,300 | \$1,664,470 | \$1,671,511 | \$1,678,638 | \$1,678,638 | \$0 |
| 30-Jun-92 | \$1,264,916 | \$1,264,911 | \$1,280,122 | \$1,279,876 | \$1,272,457 | \$1,262,390 | \$1,262,390 | \$0 |
| 30-Jun-93 | \$11,053,261 | \$11,054,621 | \$5,915,464 | \$6,003,935 | \$8,506,820 | \$11,507,315 | \$11,020,167 | \$487,148 |
| 30-Jun-94 | \$1,793,366 | \$1,793,252 | \$1,823,995 | \$1,822,890 | \$1,808,376 | \$1,779,090 | \$1,779,090 | \$0 |
| 30-Jun-95 | \$2,731,203 | \$2,730,933 | \$2,703,723 | \$2,703,733 | \$2,717,398 | \$2,704,051 | \$2,704,051 | \$0 |
| 30-Jun-96 | \$2,024,455 | \$2,024,065 | \$2,071,396 | \$2,068,676 | \$2,047,148 | \$1,996,338 | \$1,996,338 | \$0 |
| 30-Jun-97 | \$2,415,386 | \$2,414,701 | \$2,481,276 | \$2,476,700 | \$2,447,016 | \$2,374,715 | \$2,374,715 | \$0 |
| 30-Jun-98 | \$5,264,289 | \$5,253,831 | \$4,687,445 | \$4,691,139 | \$4,974,176 | \$5,259,060 | \$5,155,007 | \$104,053 |
| 30-Jun-99 | \$2,328,860 | \$2,326,962 | \$2,401,947 | \$2,393,838 | \$2,362,902 | \$2,262,382 | \$2,262,382 | \$0 |
| 30-Jun-00 | \$1,702,873 | \$1,700,389 | \$1,756,313 | \$1,748,322 | \$1,726,974 | \$1,637,844 | \$1,637,844 | \$0 |
| 30-Jun-01 | \$1,674,801 | \$1,672,359 | \$1,730,817 | \$1,722,501 | \$1,700,120 | \$1,610,845 | \$1,610,845 | \$0 |
| 30-Jun-02 | \$1,869,422 | \$1,864,468 | \$1,910,968 | \$1,901,034 | \$1,886,473 | \$1,773,186 | \$1,773,186 | \$0 |
| 30-Jun-03 | \$2,134,387 | \$2,128,521 | \$2,184,004 | \$2,172,059 | \$2,154,743 | \$2,022,489 | \$2,022,489 | \$0 |
| 30-Jun-04 | \$1,885,707 | \$1,880,524 | \$1,929,543 | \$1,918,990 | \$1,903,691 | \$1,786,846 | \$1,786,846 | \$0 |
| 30-Jun-05 | \$2,000,189 | \$1,994,692 | \$2,046,686 | \$2,035,493 | \$2,019,265 | \$1,895,326 | \$1,895,326 | \$0 |
| 30-Jun-06 | \$2,288,150 | \$2,281,861 | \$2,341,341 | \$2,328,536 | \$2,309,972 | \$2,168,190 | \$2,168,190 | \$0 |
| 30-Jun-07 | \$2,613,168 | \$2,612,937 | \$2,637,819 | \$2,635,670 | \$2,624,898 | \$2,613,052 | \$2,476,168 | \$136,884 |
| 30-Jun-08 | \$2,062,684 | \$2,056,385 | \$2,106,425 | \$2,094,614 | \$2,080,027 | \$1,948,698 | \$1,948,698 | \$0 |
| 30-Jun-09 | \$4,309,987 | \$4,298,624 | \$4,400,224 | \$4,378,070 | \$4,346,726 | \$4,104,306 | \$4,071,814 | \$32,492 |
| 30-Jun-10 | \$2,970,956 | \$2,970,972 | \$3,015,886 | \$3,012,461 | \$2,992,569 | \$2,970,964 | \$2,803,975 | \$166,990 |
| 30-Jun-11 | \$2,142,654 | \$2,142,658 | \$2,176,452 | \$2,173,833 | \$2,158,899 | \$2,142,656 | \$2,018,191 | \$124,465 |
| 30-Jun-12 | \$2,058,125 | \$2,058,637 | \$2,095,337 | \$2,093,016 | \$2,076,279 | \$2,058,381 | \$1,936,635 | \$121,746 |
| 30-Jun-13 | \$2,410,542 | \$2,411,298 | \$2,431,955 | \$2,431,190 | \$2,421,246 | \$2,421,246 | \$2,263,722 | \$157,524 |
| 30-Jun-14 | \$3,355,166 | \$3,356,078 | \$3,434,035 | \$3,427,617 | \$3,393,224 | \$3,365,622 | \$3,122,682 | \$242,940 |
| 30-Jun-15 | \$2,315,996 | \$2,319,227 | \$2,378,299 | \$2,376,282 | \$2,347,451 | \$2,347,451 | \$2,149,066 | \$198,385 |
| 30-Jun-16 | \$2,499,105 | \$2,488,211 | \$2,371,479 | \$2,371,211 | \$2,432,502 | \$2,493,658 | \$2,289,122 | \$204,536 |
| 30-Jun-17 | \$4,344,035 | \$4,338,748 | \$3,584,387 | \$3,697,877 | \$3,991,262 | \$4,341,392 | \$3,916,188 | \$425,203 |
| 30-Jun-18 | \$2,663,126 | \$2,670,515 | \$2,667,923 | \$2,682,087 | \$2,670,912 | \$2,707,087 | \$2,386,514 | \$320,573 |
| 30-Jun-19 | \$3,647,942 | \$3,693,076 | \$3,814,215 | \$3,859,290 | \$3,753,631 | \$3,909,290 | \$3,154,506 | \$754,785 |
| 30-Jun-20 | \$3,575,871 | \$3,547,031 | \$3,424,050 | \$3,426,513 | \$3,493,367 | \$3,575,871 | \$2,864,786 | \$711,086 |
| 30-Jun-21 | \$4,279,823 | \$4,068,008 | \$3,207,460 | \$3,395,226 | \$3,737,630 | \$4,173,916 | \$2,951,640 | \$1,222,275 |
| 30-Jun-22 | \$6,168,429 | \$5,630,475 | \$4,452,011 | \$4,819,806 | \$5,267,680 | \$5,630,475 | \$3,240,082 | \$2,390,393 |
| 31-Dec-22 | \$4,259,425 | \$2,772,573 | \$3,633,576 | \$2,470,764 | \$3,284,085 | \$3,284,085 | \$965,198 | \$2,318,887 |
| Total | \$108,485,124 | \$106,198,364 | \$99,204,565 | \$98,723,908 | \$103,152,992 | \$106,505,041 | \$96,384,676 | \$10,120,365 |

Notes:
(2) to (5) : Exhibit AIS-4, Sheet 1
6) : Arithmetic average of (2) through (5)
(7) : Judgment, value for year ending 6/30/93 reflects a single large claim valued at $\$ 10,000,000$
(8) : From data provided by PIPNJ
(9) : (7) - (8)

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022

Net and Gross IBNR by Year as a Percent of Total IBNR

$\square$ Net IBNR as Percent of Total Gross IBNR as Percent of Total

* Remaining years are those ending June 30 of 1998, 2007, and 2009 to 2011.

Source: Exhibit AIS-1, Sheet 1 and Sheet 2

## POOLED INSURANCE PROGRAM OF NEW JERSEY

## Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022

Pure Premium (Loss \& ALAE per \$100 of Payroll) Implied by 12/31/2022 IBNR

| (1) | (2) | (3) (4) |  | (5) | (6) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Projected UltimateLosses \& ALAE |  |  |  |
| Year | Payroll |  |  | Pure Premium |  |
| Ending | (in 00's) | Gross | Net | Gross | Net |
| 30-Jun-85 | \$1,178,663 | \$703,551 | \$547,699 | 0.597 | 0.465 |
| 30-Jun-86 | \$1,232,024 | \$1,117,238 | \$943,885 | 0.907 | 0.766 |
| 30-Jun-87 | \$1,703,874 | \$1,721,550 | \$1,320,292 | 1.010 | 0.775 |
| 30-Jun-88 | \$1,883,847 | \$1,281,603 | \$1,280,387 | 0.680 | 0.680 |
| 30-Jun-89 | \$1,991,246 | \$940,643 | \$940,643 | 0.472 | 0.472 |
| 30-Jun-90 | \$2,152,333 | \$2,933,600 | \$2,195,923 | 1.363 | 1.020 |
| 30-Jun-91 | \$2,460,535 | \$1,678,638 | \$1,466,703 | 0.682 | 0.596 |
| 30-Jun-92 | \$2,761,218 | \$1,262,390 | \$1,262,390 | 0.457 | 0.457 |
| 30-Jun-93 | \$2,911,262 | \$11,507,315 | \$1,757,315 | 3.953 | 0.604 |
| 30-Jun-94 | \$3,339,758 | \$1,779,090 | \$1,779,090 | 0.533 | 0.533 |
| 30-Jun-95 | \$3,571,422 | \$2,704,051 | \$2,114,943 | 0.757 | 0.592 |
| 30-Jun-96 | \$3,993,815 | \$1,996,338 | \$1,996,338 | 0.500 | 0.500 |
| 30-Jun-97 | \$4,660,514 | \$2,374,715 | \$2,374,715 | 0.510 | 0.510 |
| 30-Jun-98 | \$4,806,085 | \$5,259,060 | \$3,137,089 | 1.094 | 0.653 |
| 30-Jun-99 | \$5,117,916 | \$2,262,382 | \$2,243,762 | 0.442 | 0.438 |
| 30-Jun-00 | \$3,826,580 | \$1,637,844 | \$1,637,844 | 0.428 | 0.428 |
| 30-Jun-01 | \$4,079,370 | \$1,610,845 | \$1,610,845 | 0.395 | 0.395 |
| 30-Jun-02 | \$3,985,653 | \$1,773,186 | \$1,773,186 | 0.445 | 0.445 |
| 30-Jun-03 | \$4,134,175 | \$2,022,489 | \$2,022,489 | 0.489 | 0.489 |
| 30-Jun-04 | \$4,252,522 | \$1,786,846 | \$1,786,846 | 0.420 | 0.420 |
| 30-Jun-05 | \$4,490,114 | \$1,895,326 | \$1,895,326 | 0.422 | 0.422 |
| 30-Jun-06 | \$4,776,926 | \$2,168,190 | \$2,168,190 | 0.454 | 0.454 |
| 30-Jun-07 | \$5,048,832 | \$2,613,052 | \$2,518,355 | 0.518 | 0.499 |
| 30-Jun-08 | \$5,254,063 | \$1,948,698 | \$1,948,698 | 0.371 | 0.371 |
| 30-Jun-09 | \$5,198,950 | \$4,104,306 | \$3,997,999 | 0.789 | 0.769 |
| 30-Jun-10 | \$5,446,044 | \$2,970,964 | \$2,970,964 | 0.546 | 0.546 |
| 30-Jun-11 | \$5,666,148 | \$2,142,656 | \$2,142,656 | 0.378 | 0.378 |
| 30-Jun-12 | \$5,690,119 | \$2,058,381 | \$2,058,381 | 0.362 | 0.362 |
| 30-Jun-13 | \$5,955,269 | \$2,421,246 | \$2,421,246 | 0.407 | 0.407 |
| 30-Jun-14 | \$5,692,961 | \$3,365,622 | \$3,365,622 | 0.591 | 0.591 |
| 30-Jun-15 | \$5,762,527 | \$2,347,451 | \$2,347,451 | 0.407 | 0.407 |
| 30-Jun-16 | \$6,071,231 | \$2,493,658 | \$2,493,658 | 0.411 | 0.411 |
| 30-Jun-17 | \$6,168,758 | \$4,341,392 | \$4,341,392 | 0.704 | 0.704 |
| 30-Jun-18 | \$6,268,176 | \$2,707,087 | \$2,707,087 | 0.432 | 0.432 |
| 30-Jun-19 | \$6,561,231 | \$3,909,290 | \$3,909,290 | 0.596 | 0.596 |
| 30-Jun-20 | \$6,761,897 | \$3,575,871 | \$3,252,899 | 0.529 | 0.481 |
| 30-Jun-21 | \$7,609,986 | \$4,173,916 | \$4,122,555 | 0.548 | 0.542 |
| 30-Jun-22 | \$7,609,986 | \$5,630,475 | \$5,496,847 | 0.740 | 0.722 |
| 31-Dec-22 | \$3,921,612 | \$3,284,085 | \$2,910,973 | 0.837 | 0.742 |
| Total | \$173,997,643 | \$106,505,041 | \$91,261,974 | 0.612 | 0.525 |
| 3-Year Average | \$19,141,585 | \$13,088,476 | \$12,530,376 | 0.684 | 0.655 |
| 5-Year Average | \$32,464,713 | \$20,573,638 | \$19,692,565 | 0.634 | 0.607 |
| Total x 1993 | \$171,086,381 | \$94,997,726 | \$89,504,659 | 0.555 | 0.523 |

Notes:
(2) : From data provided by PIPNJ
(3) : Exhibit AIS-1, Sheet 2, Column (7)
(4) : Exhibit AIS-1, Sheet 1, Column (5)
(5) : (3) / (2)
(6) : (4) / (2)

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Pure Premium (Loss \& ALAE per \$100 of Payroll) Implied by 12/31/2022 IBNR
Workers' Compensation Loss Experience

year ending
$\rightarrow$-Gross $\quad \curvearrowleft$ Net

* 1993 Gross Value $=3.953$

Source : Exhibit AIS-2, Sheet 1

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022

Indicated Deficiency (-) / Redundancy ( + ) of 06/30/2022 Net IBNR

| (1) | (2) | (3) | (4) | (5) | (6) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 06/22 to 12/22 | Runoff of | 12/31/2022 | 06/30/2022 Net IBNR |
| Year | 06/30/2022 | Net Reported | 06/30/2022 IBNR | Selected | Deficiency (-) |
| Ending | Net IBNR | Loss \& ALAE | as of 12/31/2022 | Net IBNR | Redundancy (+) |
| 30-Jun-85 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-86 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-87 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-88 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-89 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-90 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-91 | \$0 | -\$167 | \$167 | \$0 | \$167 |
| 30-Jun-92 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-93 | \$0 | -\$224 | \$224 | \$0 | \$224 |
| 30-Jun-94 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-95 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-96 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-97 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-98 | \$0 | -\$233 | \$233 | \$0 | \$234 |
| 30-Jun-99 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-00 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-01 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-02 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-03 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-04 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-05 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-06 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-07 | \$104,589 | \$2,818 | \$101,771 | \$106,370 | -\$4,600 |
| 30-Jun-08 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-09 | \$32,529 | -\$16 | \$32,545 | \$32,492 | \$53 |
| 30-Jun-10 | \$167,304 | \$32 | \$167,272 | \$166,990 | \$283 |
| 30-Jun-11 | \$124,529 | \$0 | \$124,529 | \$124,465 | \$63 |
| 30-Jun-12 | \$130,161 | \$0 | \$130,161 | \$121,746 | \$8,415 |
| 30-Jun-13 | \$161,226 | \$2,000 | \$159,226 | \$157,524 | \$1,702 |
| 30-Jun-14 | \$249,811 | \$4,168 | \$245,643 | \$242,940 | \$2,703 |
| 30-Jun-15 | \$206,103 | -\$5,652 | \$211,755 | \$198,385 | \$13,370 |
| 30-Jun-16 | \$221,564 | \$141,240 | \$80,325 | \$204,536 | -\$124,211 |
| 30-Jun-17 | \$414,138 | \$39,973 | \$374,165 | \$425,203 | -\$51,038 |
| 30-Jun-18 | \$353,980 | \$6,229 | \$347,750 | \$320,573 | \$27,177 |
| 30-Jun-19 | \$950,575 | \$123,466 | \$827,109 | \$754,785 | \$72,324 |
| 30-Jun-20 | \$629,982 | \$240,172 | \$389,810 | \$608,005 | -\$218,195 |
| 30-Jun-21 | \$1,186,578 | \$540,931 | \$645,647 | \$1,170,915 | -\$525,268 |
| 30-Jun-22 | \$2,507,782 | \$712,611 | \$1,795,171 | \$2,256,765 | -\$461,594 |
| Total | \$7,440,850 | \$1,807,346 | \$5,633,504 | \$6,891,695 | -\$1,258,191 |

Notes:
(2) : AIS Risk Consultants Report Dated December 16, 2022, Exhibit AIS-1, Sheet 1, Column (7)
(3) : From data provided by PIPNJ
(4) : (2) - (3)
(5) : Exhibit AIS-1, Sheet 1, Column (7)
(6) : (4) - (5)

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Indicated Deficiency (-) / Redundancy (+) of 06/30/2022 Gross IBNR

| (1) | (2) | (3) | (4) | (5) | (6) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 06/22 to 12/22 | Runoff of | 12/31/2022 | 06/30/2022 Gross IBNR |
| Year | 06/30/2022 | Gross Reported | 06/30/2022 IBNR | Selected | Deficiency (-) |
| Ending | Gross IBNR | Loss \& ALAE | as of 12/31/2022 | Gross IBNR | Redundancy (+) |
| 30-Jun-85 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-86 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-87 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-88 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-89 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-90 | \$0 | \$2,193 | -\$2,193 | \$0 | -\$2,193 |
| 30-Jun-91 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-92 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-93 | \$653,085 | \$165,714 | \$487,371 | \$487,148 | \$223 |
| 30-Jun-94 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-95 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-96 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-97 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-98 | \$151,839 | \$546,337 | -\$394,498 | \$104,053 | -\$498,551 |
| 30-Jun-99 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-00 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-01 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-02 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-03 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-04 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-05 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-06 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-07 | \$136,086 | \$3,500 | \$132,586 | \$136,884 | -\$4,298 |
| 30-Jun-08 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 30-Jun-09 | \$32,529 | -\$16 | \$32,545 | \$32,492 | \$53 |
| 30-Jun-10 | \$167,304 | \$32 | \$167,272 | \$166,990 | \$282 |
| 30-Jun-11 | \$124,529 | \$0 | \$124,529 | \$124,465 | \$64 |
| 30-Jun-12 | \$130,161 | \$0 | \$130,161 | \$121,746 | \$8,415 |
| 30-Jun-13 | \$161,226 | \$2,000 | \$159,226 | \$157,524 | \$1,702 |
| 30-Jun-14 | \$249,811 | \$4,168 | \$245,643 | \$242,940 | \$2,703 |
| 30-Jun-15 | \$206,103 | -\$5,652 | \$211,755 | \$198,385 | \$13,370 |
| 30-Jun-16 | \$221,564 | \$141,240 | \$80,324 | \$204,536 | -\$124,212 |
| 30-Jun-17 | \$414,138 | \$39,973 | \$374,165 | \$425,203 | -\$51,038 |
| 30-Jun-18 | \$353,980 | \$6,229 | \$347,751 | \$320,573 | \$27,178 |
| 30-Jun-19 | \$950,575 | \$123,466 | \$827,109 | \$754,785 | \$72,324 |
| 30-Jun-20 | \$806,228 | \$240,172 | \$566,056 | \$711,086 | -\$145,030 |
| 30-Jun-21 | \$1,186,578 | \$540,931 | \$645,647 | \$1,222,275 | -\$576,628 |
| 30-Jun-22 | \$2,507,782 | \$712,611 | \$1,795,171 | \$2,390,393 | -\$595,222 |
| Total | \$8,453,518 | \$2,522,896 | \$5,930,622 | \$7,801,478 | -\$1,870,856 |

Notes:
(2) : AIS Risk Consultants Report Dated December 16, 2022, Exhibit AIS-1, Sheet 2, Column (9)
(3) : From data provided by PIPNJ
(4) : (2) - (3)
(5) : Exhibit AIS-1, Sheet 2, Column (9)
(6) : (4) - (5)

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Summary of Net Loss \& ALAE Experience - Paid, Case Reserves and IBNR

| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Net Losses and ALAE as of 12/31/2022 |  |  |  |  |  |
| Ending | Paid | Case Reserves | Case Incurred | Net IBNR Reserve | Total Reserve | Total Incurred |
| 30-Jun-85 | \$547,699 | \$0 | \$547,699 | \$0 | \$0 | \$547,699 |
| 30-Jun-86 | \$943,885 | \$0 | \$943,885 | \$0 | \$0 | \$943,885 |
| 30-Jun-87 | \$1,320,292 | \$0 | \$1,320,292 | \$0 | \$0 | \$1,320,292 |
| 30-Jun-88 | \$1,280,387 | \$0 | \$1,280,387 | \$0 | \$0 | \$1,280,387 |
| 30-Jun-89 | \$940,643 | \$0 | \$940,643 | \$0 | \$0 | \$940,643 |
| 30-Jun-90 | \$2,195,923 | \$0 | \$2,195,923 | \$0 | \$0 | \$2,195,923 |
| 30-Jun-91 | \$1,466,703 | \$0 | \$1,466,703 | \$0 | \$0 | \$1,466,703 |
| 30-Jun-92 | \$1,262,390 | \$0 | \$1,262,390 | \$0 | \$0 | \$1,262,390 |
| 30-Jun-93 | \$1,757,315 | \$0 | \$1,757,315 | \$0 | \$0 | \$1,757,315 |
| 30-Jun-94 | \$1,779,090 | \$0 | \$1,779,090 | \$0 | \$0 | \$1,779,090 |
| 30-Jun-95 | \$2,114,943 | \$0 | \$2,114,943 | \$0 | \$0 | \$2,114,943 |
| 30-Jun-96 | \$1,996,338 | \$0 | \$1,996,338 | \$0 | \$0 | \$1,996,338 |
| 30-Jun-97 | \$2,374,715 | \$0 | \$2,374,715 | \$0 | \$0 | \$2,374,715 |
| 30-Jun-98 | \$3,137,089 | \$0 | \$3,137,089 | \$0 | \$0 | \$3,137,089 |
| 30-Jun-99 | \$2,243,762 | \$0 | \$2,243,762 | \$0 | \$0 | \$2,243,762 |
| 30-Jun-00 | \$1,637,844 | \$0 | \$1,637,844 | \$0 | \$0 | \$1,637,844 |
| 30-Jun-01 | \$1,610,845 | \$0 | \$1,610,845 | \$0 | \$0 | \$1,610,845 |
| 30-Jun-02 | \$1,773,186 | \$0 | \$1,773,186 | \$0 | \$0 | \$1,773,186 |
| 30-Jun-03 | \$2,022,489 | \$0 | \$2,022,489 | \$0 | \$0 | \$2,022,489 |
| 30-Jun-04 | \$1,786,846 | \$0 | \$1,786,846 | \$0 | \$0 | \$1,786,846 |
| 30-Jun-05 | \$1,895,326 | \$0 | \$1,895,326 | \$0 | \$0 | \$1,895,326 |
| 30-Jun-06 | \$2,168,190 | \$0 | \$2,168,190 | \$0 | \$0 | \$2,168,190 |
| 30-Jun-07 | \$2,378,559 | \$33,426 | \$2,411,985 | \$106,370 | \$139,796 | \$2,518,355 |
| 30-Jun-08 | \$1,948,698 | \$0 | \$1,948,698 | \$0 | \$0 | \$1,948,698 |
| 30-Jun-09 | \$3,964,433 | \$1,074 | \$3,965,507 | \$32,492 | \$33,566 | \$3,997,999 |
| 30-Jun-10 | \$2,784,491 | \$19,484 | \$2,803,975 | \$166,990 | \$186,474 | \$2,970,964 |
| 30-Jun-11 | \$2,007,455 | \$10,736 | \$2,018,191 | \$124,465 | \$135,201 | \$2,142,656 |
| 30-Jun-12 | \$1,924,933 | \$11,702 | \$1,936,635 | \$121,746 | \$133,448 | \$2,058,381 |
| 30-Jun-13 | \$2,225,266 | \$38,456 | \$2,263,722 | \$157,524 | \$195,980 | \$2,421,246 |
| 30-Jun-14 | \$3,098,659 | \$24,023 | \$3,122,682 | \$242,940 | \$266,963 | \$3,365,622 |
| 30-Jun-15 | \$2,103,744 | \$45,322 | \$2,149,066 | \$198,385 | \$243,707 | \$2,347,451 |
| 30-Jun-16 | \$2,058,416 | \$230,706 | \$2,289,122 | \$204,536 | \$435,242 | \$2,493,658 |
| 30-Jun-17 | \$3,008,167 | \$908,021 | \$3,916,188 | \$425,203 | \$1,333,225 | \$4,341,392 |
| 30-Jun-18 | \$2,098,311 | \$288,203 | \$2,386,514 | \$320,573 | \$608,776 | \$2,707,087 |
| 30-Jun-19 | \$2,787,160 | \$367,346 | \$3,154,506 | \$754,785 | \$1,122,131 | \$3,909,290 |
| 30-Jun-20 | \$2,181,999 | \$462,894 | \$2,644,893 | \$608,005 | \$1,070,900 | \$3,252,899 |
| 30-Jun-21 | \$1,662,540 | \$1,289,100 | \$2,951,640 | \$1,170,915 | \$2,460,016 | \$4,122,555 |
| 30-Jun-22 | \$1,644,559 | \$1,595,523 | \$3,240,082 | \$2,256,765 | \$3,852,288 | \$5,496,847 |
| 31-Dec-22 | \$375,041 | \$590,156 | \$965,198 | \$1,945,775 | \$2,535,932 | \$2,910,973 |
| Total | \$76,508,330 | \$5,916,173 | \$82,424,503 | \$8,837,470 | \$14,753,643 | \$91,261,974 |

## Notes:

(2) : Supplied by PIPNJ
(3) : Supplied by PIPNJ
(4) : (2) + (3)
(5) : Exhibit AIS-1, Sheet 1, Column (7)
(6) : (3) + (5)
(7) : (2) $+(6)$

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022

Distribution of Net Paid Losses, Case Reserves and IBNR by Year


[^10]
## Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022

Summary of Gross Loss \& ALAE Experience - Paid, Case Reserves and IBNR

| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Gross Losses and ALAE as of 12/31/2022 |  |  |  |  |  |
| Ending | Paid | Case Reserves | Case Incurred | Gross IBNR Reserve | Total Reserve | Total Incurred |
| 30-Jun-85 | \$703,551 | \$0 | \$703,551 | \$0 | \$0 | \$703,551 |
| 30-Jun-86 | \$1,117,238 | \$0 | \$1,117,238 | \$0 | \$0 | \$1,117,238 |
| 30-Jun-87 | \$1,721,550 | \$0 | \$1,721,550 | \$0 | \$0 | \$1,721,550 |
| 30-Jun-88 | \$1,281,603 | \$0 | \$1,281,603 | \$0 | \$0 | \$1,281,603 |
| 30-Jun-89 | \$940,643 | \$0 | \$940,643 | \$0 | \$0 | \$940,643 |
| 30-Jun-90 | \$2,595,506 | \$338,094 | \$2,933,600 | \$0 | \$338,094 | \$2,933,600 |
| 30-Jun-91 | \$1,644,531 | \$34,107 | \$1,678,638 | \$0 | \$34,107 | \$1,678,638 |
| 30-Jun-92 | \$1,262,390 | \$0 | \$1,262,390 | \$0 | \$0 | \$1,262,390 |
| 30-Jun-93 | \$5,821,876 | \$5,198,292 | \$11,020,167 | \$487,148 | \$5,685,440 | \$11,507,315 |
| 30-Jun-94 | \$1,779,090 | \$0 | \$1,779,090 | \$0 | \$0 | \$1,779,090 |
| 30-Jun-95 | \$2,618,798 | \$85,253 | \$2,704,051 | \$0 | \$85,253 | \$2,704,051 |
| 30-Jun-96 | \$1,996,338 | \$0 | \$1,996,338 | \$0 | \$0 | \$1,996,338 |
| 30-Jun-97 | \$2,374,715 | \$0 | \$2,374,715 | \$0 | \$0 | \$2,374,715 |
| 30-Jun-98 | \$4,450,468 | \$704,540 | \$5,155,007 | \$104,053 | \$808,593 | \$5,259,060 |
| 30-Jun-99 | \$2,262,382 | \$0 | \$2,262,382 | \$0 | \$0 | \$2,262,382 |
| 30-Jun-00 | \$1,637,844 | \$0 | \$1,637,844 | \$0 | \$0 | \$1,637,844 |
| 30-Jun-01 | \$1,610,845 | \$0 | \$1,610,845 | \$0 | \$0 | \$1,610,845 |
| 30-Jun-02 | \$1,773,186 | \$0 | \$1,773,186 | \$0 | \$0 | \$1,773,186 |
| 30-Jun-03 | \$2,022,489 | \$0 | \$2,022,489 | \$0 | \$0 | \$2,022,489 |
| 30-Jun-04 | \$1,786,846 | \$0 | \$1,786,846 | \$0 | \$0 | \$1,786,846 |
| 30-Jun-05 | \$1,895,326 | \$0 | \$1,895,326 | \$0 | \$0 | \$1,895,326 |
| 30-Jun-06 | \$2,168,190 | \$0 | \$2,168,190 | \$0 | \$0 | \$2,168,190 |
| 30-Jun-07 | \$2,442,742 | \$33,426 | \$2,476,168 | \$136,884 | \$170,310 | \$2,613,052 |
| 30-Jun-08 | \$1,948,698 | \$0 | \$1,948,698 | \$0 | \$0 | \$1,948,698 |
| 30-Jun-09 | \$4,070,740 | \$1,074 | \$4,071,814 | \$32,492 | \$33,566 | \$4,104,306 |
| 30-Jun-10 | \$2,784,491 | \$19,484 | \$2,803,975 | \$166,990 | \$186,474 | \$2,970,965 |
| 30-Jun-11 | \$2,007,455 | \$10,736 | \$2,018,191 | \$124,465 | \$135,201 | \$2,142,656 |
| 30-Jun-12 | \$1,924,933 | \$11,702 | \$1,936,635 | \$121,746 | \$133,448 | \$2,058,381 |
| 30-Jun-13 | \$2,225,266 | \$38,456 | \$2,263,722 | \$157,524 | \$195,980 | \$2,421,246 |
| 30-Jun-14 | \$3,098,659 | \$24,023 | \$3,122,682 | \$242,940 | \$266,963 | \$3,365,622 |
| 30-Jun-15 | \$2,103,744 | \$45,322 | \$2,149,066 | \$198,385 | \$243,707 | \$2,347,451 |
| 30-Jun-16 | \$2,058,416 | \$230,706 | \$2,289,122 | \$204,536 | \$435,242 | \$2,493,658 |
| 30-Jun-17 | \$3,008,167 | \$908,021 | \$3,916,188 | \$425,203 | \$1,333,224 | \$4,341,391 |
| 30-Jun-18 | \$2,098,311 | \$288,203 | \$2,386,514 | \$320,573 | \$608,776 | \$2,707,087 |
| 30-Jun-19 | \$2,787,160 | \$367,346 | \$3,154,506 | \$754,785 | \$1,122,131 | \$3,909,291 |
| 30-Jun-20 | \$2,181,999 | \$682,786 | \$2,864,786 | \$711,086 | \$1,393,872 | \$3,575,872 |
| 30-Jun-21 | \$1,662,540 | \$1,289,100 | \$2,951,640 | \$1,222,275 | \$2,511,375 | \$4,173,915 |
| 30-Jun-22 | \$1,644,559 | \$1,595,523 | \$3,240,082 | \$2,390,393 | \$3,985,916 | \$5,630,475 |
| 31-Dec-22 | \$375,041 | \$590,156 | \$965,198 | \$2,318,887 | \$2,909,043 | \$3,284,085 |
| Total | \$83,888,326 | \$12,496,351 | \$96,384,676 | \$10,120,365 | \$22,616,716 | \$106,505,041 |

## Notes:

(2) : Supplied by PIPNJ
(3) : Supplied by PIPNJ
(4) : (2) $+(3)$
(5) : Exhibit AIS-1, Sheet 2, Column (9)
(6) : (3) + (5)
(7) : $(2)+(6)$

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Accident <br> Year Ended | $\begin{aligned} & \text { Payroll } \\ & \text { (in 00's) } \end{aligned}$ | Initial Expected Pure Premium | Initial Expected Losses (2) $X(3)$ | $\begin{gathered} 12 / 31 / 2022 \\ \text { Reported } \\ \text { Paid } \\ \text { Losses } \end{gathered}$ | 12/31/2022 <br> Reported Incurred Losses | Paid Loss Dev Factors | Incurred Loss Dev Factors | Developed Paid Losses (5) $\times(7)$ | Developed Reported Losses (6) $\times(8)$ | Paid <br> B-F Method <br> (4) $\times[1.0-1 /(7)]+(5)$ | Incurred B-F Method (4) $\times[1.0-1 /(8)]+(6)$ |
| 30-Jun-85 | \$1,178,663 | 0.597 | \$703,551 | \$703,551 | \$703,551 | 1.010 | 1.000 | \$710,587 | \$703,551 | \$710,517 | \$703,551 |
| 30-Jun-86 | \$1,232,024 | 0.907 | \$1,117,238 | \$1,117,238 | \$1,117,238 | 1.010 | 1.000 | \$1,128,410 | \$1,117,238 | \$1,128,299 | \$1,117,238 |
| 30-Jun-87 | \$1,703,874 | 1.010 | \$1,721,550 | \$1,721,550 | \$1,721,550 | 1.010 | 1.000 | \$1,738,766 | \$1,721,550 | \$1,738,595 | \$1,721,550 |
| 30-Jun-88 | \$1,883,847 | 0.680 | \$1,281,603 | \$1,281,603 | \$1,281,603 | 1.010 | 1.000 | \$1,294,419 | \$1,281,603 | \$1,294,292 | \$1,281,603 |
| 30-Jun-89 | \$1,991,246 | 0.472 | \$940,643 | \$940,643 | \$940,643 | 1.010 | 1.000 | \$950,049 | \$940,643 | \$949,956 | \$940,643 |
| 30-Jun-90 | \$2,152,333 | 1.362 | \$2,931,407 | \$2,595,506 | \$2,933,600 | 1.010 | 1.000 | \$2,621,461 | \$2,933,600 | \$2,624,530 | \$2,933,600 |
| 30-Jun-91 | \$2,460,535 | 0.682 | \$1,678,638 | \$1,644,531 | \$1,678,638 | 1.012 | 1.000 | \$1,664,300 | \$1,678,638 | \$1,664,470 | \$1,678,638 |
| 30-Jun-92 | \$2,761,218 | 0.457 | \$1,262,390 | \$1,262,390 | \$1,262,390 | 1.014 | 1.002 | \$1,280,122 | \$1,264,916 | \$1,279,876 | \$1,264,911 |
| 30-Jun-93 | \$2,911,262 | 3.953 | \$11,507,539 | \$5,821,876 | \$11,020,167 | 1.016 | 1.003 | \$5,915,464 | \$11,053,261 | \$6,003,935 | \$11,054,621 |
| 30-Jun-94 | \$3,339,758 | 0.533 | \$1,779,090 | \$1,779,090 | \$1,779,090 | 1.025 | 1.008 | \$1,823,995 | \$1,793,366 | \$1,822,890 | \$1,793,252 |
| 30-Jun-95 | \$3,571,422 | 0.757 | \$2,704,051 | \$2,618,798 | \$2,704,051 | 1.032 | 1.010 | \$2,703,723 | \$2,731,203 | \$2,703,733 | \$2,730,933 |
| 30-Jun-96 | \$3,993,815 | 0.500 | \$1,996,338 | \$1,996,338 | \$1,996,338 | 1.038 | 1.014 | \$2,071,396 | \$2,024,455 | \$2,068,676 | \$2,024,065 |
| 30-Jun-97 | \$4,660,514 | 0.510 | \$2,374,715 | \$2,374,715 | \$2,374,715 | 1.045 | 1.017 | \$2,481,276 | \$2,415,386 | \$2,476,700 | \$2,414,701 |
| 30-Jun-98 | \$4,806,085 | 0.991 | \$4,760,509 | \$4,450,468 | \$5,155,007 | 1.053 | 1.021 | \$4,687,445 | \$5,264,289 | \$4,691,139 | \$5,253,831 |
| 30-Jun-99 | \$5,117,916 | 0.442 | \$2,262,382 | \$2,262,382 | \$2,262,382 | 1.062 | 1.029 | \$2,401,947 | \$2,328,860 | \$2,393,838 | \$2,326,962 |
| 30-Jun-00 | \$3,826,580 | 0.428 | \$1,637,844 | \$1,637,844 | \$1,637,844 | 1.072 | 1.040 | \$1,756,313 | \$1,702,873 | \$1,748,322 | \$1,700,389 |
| 30-Jun-01 | \$4,079,370 | 0.395 | \$1,610,845 | \$1,610,845 | \$1,610,845 | 1.074 | 1.040 | \$1,730,817 | \$1,674,801 | \$1,722,501 | \$1,672,359 |
| 30-Jun-02 | \$3,985,653 | 0.445 | \$1,773,186 | \$1,773,186 | \$1,773,186 | 1.078 | 1.054 | \$1,910,968 | \$1,869,422 | \$1,901,034 | \$1,864,468 |
| 30-Jun-03 | \$4,134,175 | 0.489 | \$2,022,489 | \$2,022,489 | \$2,022,489 | 1.080 | 1.055 | \$2,184,004 | \$2,134,387 | \$2,172,059 | \$2,128,521 |
| 30-Jun-04 | \$4,252,522 | 0.420 | \$1,786,846 | \$1,786,846 | \$1,786,846 | 1.080 | 1.055 | \$1,929,543 | \$1,885,707 | \$1,918,990 | \$1,880,524 |
| 30-Jun-05 | \$4,490,114 | 0.422 | \$1,895,326 | \$1,895,326 | \$1,895,326 | 1.080 | 1.055 | \$2,046,686 | \$2,000,189 | \$2,035,493 | \$1,994,692 |
| 30-Jun-06 | \$4,776,926 | 0.454 | \$2,168,190 | \$2,168,190 | \$2,168,190 | 1.080 | 1.055 | \$2,341,341 | \$2,288,150 | \$2,328,536 | \$2,281,861 |
| 30-Jun-07 | \$5,048,832 | 0.517 | \$2,608,755 | \$2,442,742 | \$2,476,168 | 1.080 | 1.055 | \$2,637,819 | \$2,613,168 | \$2,635,670 | \$2,612,937 |
| 30-Jun-08 | \$5,254,063 | 0.371 | \$1,948,698 | \$1,948,698 | \$1,948,698 | 1.081 | 1.058 | \$2,106,425 | \$2,062,684 | \$2,094,614 | \$2,056,385 |
| 30-Jun-09 | \$5,198,950 | 0.789 | \$4,104,359 | \$4,070,740 | \$4,071,814 | 1.081 | 1.058 | \$4,400,224 | \$4,309,987 | \$4,378,070 | \$4,298,624 |
| 30-Jun-10 | \$5,446,044 | 0.546 | \$2,971,247 | \$2,784,491 | \$2,803,975 | 1.083 | 1.060 | \$3,015,886 | \$2,970,956 | \$3,012,461 | \$2,970,972 |
| 30-Jun-11 | \$5,666,148 | 0.378 | \$2,142,720 | \$2,007,455 | \$2,018,191 | 1.084 | 1.062 | \$2,176,452 | \$2,142,654 | \$2,173,833 | \$2,142,658 |
| 30-Jun-12 | \$5,690,119 | 0.363 | \$2,066,796 | \$1,924,933 | \$1,936,635 | 1.089 | 1.063 | \$2,095,337 | \$2,058,125 | \$2,093,016 | \$2,058,637 |
| 30-Jun-13 | \$5,955,269 | 0.407 | \$2,422,948 | \$2,225,266 | \$2,263,722 | 1.093 | 1.065 | \$2,431,955 | \$2,410,542 | \$2,431,190 | \$2,411,298 |
| 30-Jun-14 | \$5,692,961 | 0.592 | \$3,368,325 | \$3,098,659 | \$3,122,682 | 1.108 | 1.074 | \$3,434,035 | \$3,355,166 | \$3,427,617 | \$3,356,078 |
| 30-Jun-15 | \$5,762,527 | 0.410 | \$2,360,821 | \$2,103,744 | \$2,149,066 | 1.131 | 1.078 | \$2,378,299 | \$2,315,996 | \$2,376,282 | \$2,319,227 |
| 30-Jun-16 | \$6,071,231 | 0.390 | \$2,369,447 | \$2,058,416 | \$2,289,122 | 1.152 | 1.092 | \$2,371,479 | \$2,499,105 | \$2,371,211 | \$2,488,211 |
| 30-Jun-17 | \$6,168,758 | 0.695 | \$4,290,354 | \$3,008,167 | \$3,916,188 | 1.192 | 1.109 | \$3,584,387 | \$4,344,035 | \$3,697,877 | \$4,338,748 |
| 30-Jun-18 | \$6,268,176 | 0.436 | \$2,734,264 | \$2,098,311 | \$2,386,514 | 1.271 | 1.116 | \$2,667,923 | \$2,663,126 | \$2,682,087 | \$2,670,515 |
| 30-Jun-19 | \$6,561,231 | 0.607 | \$3,981,615 | \$2,787,160 | \$3,154,506 | 1.368 | 1.156 | \$3,814,215 | \$3,647,942 | \$3,859,290 | \$3,693,076 |
| 30-Jun-20 | \$6,761,897 | 0.507 | \$3,430,841 | \$2,181,999 | \$2,864,786 | 1.569 | 1.248 | \$3,424,050 | \$3,575,871 | \$3,426,513 | \$3,547,031 |
| 30-Jun-21 | \$7,609,986 | 0.473 | \$3,597,288 | \$1,662,540 | \$2,951,640 | 1.929 | 1.450 | \$3,207,460 | \$4,279,823 | \$3,395,226 | \$4,068,008 |
| 30-Jun-22 | \$7,609,986 | 0.662 | \$5,035,253 | \$1,644,559 | \$3,240,082 | 2.707 | 1.904 | \$4,452,011 | \$6,168,429 | \$4,819,806 | \$5,630,475 |
| 31-Dec-22 | \$3,921,612 | 0.596 | \$2,336,930 | \$375,041 | \$965,198 | 9.688 | 4.413 | \$3,633,576 | \$4,259,425 | \$2,470,764 | \$2,772,573 |
| Total | \$173,997,643 | 0.596 | \$103,687,029 | \$83,888,326 | \$96,384,676 |  |  | \$99,204,565 | \$108,485,124 | \$98,723,908 | \$106,198,364 |

Notes:
(2): From data provided by the PIPNJ.
(3): Based upon the 06/30/2022 AIS Risk Consultants Reserve Report.
(5) \& (6): From data provided by the PIPNJ.
(7): Developed in Appendix B.
(8): Developed in Appendix A



Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Analysis of Specific Excess Insurance Losses \& ALAE

| (1) | (2) <br> Specific <br> Self-Insurance | (3) | (4) | $(5)=(2) /(3)$ | $(6)=(2) /(4)$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Reported Loss \& | eeded |
| Accident |  | Development Factor |  | for Specific Excess Coverage |  |
| Year Ended | Retention | Incurred | Paid | Incurred | Paid |
| 30-Jun-85 | \$100,000 | 1.000 | 1.010 | \$100,000 | \$99,010 |
| 30-Jun-86 | \$125,000 | 1.000 | 1.010 | \$125,000 | \$123,762 |
| 30-Jun-87 | \$150,000 | 1.000 | 1.010 | \$150,000 | \$148,515 |
| 30-Jun-88 | \$200,000 | 1.000 | 1.010 | \$200,000 | \$198,020 |
| 30-Jun-89 | \$200,000 | 1.000 | 1.010 | \$200,000 | \$198,020 |
| 30-Jun-90 | \$225,000 | 1.000 | 1.010 | \$225,000 | \$222,772 |
| 30-Jun-91 | \$250,000 | 1.000 | 1.012 | \$250,000 | \$247,030 |
| 30-Jun-92 | \$250,000 | 1.002 | 1.014 | \$249,501 | \$246,537 |
| 30-Jun-93 | \$250,000 | 1.003 | 1.016 | \$249,251 | \$246,045 |
| 30-Jun-94 | \$250,000 | 1.008 | 1.025 | \$248,010 | \$243,845 |
| 30-Jun-95 | \$250,000 | 1.010 | 1.032 | \$247,515 | \$242,147 |
| 30-Jun-96 | \$250,000 | 1.014 | 1.038 | \$246,528 | \$240,941 |
| 30-Jun-97 | \$250,000 | 1.017 | 1.045 | \$245,790 | \$239,263 |
| 30-Jun-98 | \$250,000 | 1.021 | 1.053 | \$244,810 | \$237,361 |
| 30-Jun-99 | \$250,000 | 1.029 | 1.062 | \$242,864 | \$235,474 |
| 30-Jun-00 | \$250,000 | 1.040 | 1.072 | \$240,453 | \$233,137 |
| 30-Jun-01 | \$250,000 | 1.040 | 1.074 | \$240,453 | \$232,671 |
| 30-Jun-02 | \$250,000 | 1.054 | 1.078 | \$237,130 | \$231,975 |
| 30-Jun-03 | \$300,000 | 1.055 | 1.080 | \$284,272 | \$277,814 |
| 30-Jun-04 | \$325,000 | 1.055 | 1.080 | \$307,961 | \$300,965 |
| 30-Jun-05 | \$350,000 | 1.055 | 1.080 | \$331,651 | \$324,116 |
| 30-Jun-06 | \$350,000 | 1.055 | 1.080 | \$331,651 | \$324,116 |
| 30-Jun-07 | \$350,000 | 1.055 | 1.080 | \$331,651 | \$324,116 |
| 30-Jun-08 | \$350,000 | 1.058 | 1.081 | \$330,659 | \$323,792 |
| 30-Jun-09 | \$350,000 | 1.058 | 1.081 | \$330,659 | \$323,792 |
| 30-Jun-10 | \$350,000 | 1.060 | 1.083 | \$330,328 | \$323,146 |
| 30-Jun-11 | \$350,000 | 1.062 | 1.084 | \$329,669 | \$322,823 |
| 30-Jun-12 | \$350,000 | 1.063 | 1.089 | \$329,340 | \$321,536 |
| 30-Jun-13 | \$350,000 | 1.065 | 1.093 | \$328,682 | \$320,254 |
| 30-Jun-14 | \$500,000 | 1.074 | 1.108 | \$465,354 | \$451,169 |
| 30-Jun-15 | \$500,000 | 1.078 | 1.131 | \$463,961 | \$442,279 |
| 30-Jun-16 | \$500,000 | 1.092 | 1.152 | \$457,988 | \$433,994 |
| 30-Jun-17 | \$500,000 | 1.109 | 1.192 | \$450,755 | \$419,621 |
| 30-Jun-18 | \$500,000 | 1.116 | 1.271 | \$448,066 | \$393,248 |
| 30-Jun-19 | \$500,000 | 1.156 | 1.368 | \$432,368 | \$365,365 |
| 30-Jun-20 | \$500,000 | 1.248 | 1.569 | \$400,572 | \$318,628 |
| 30-Jun-21 | \$500,000 | 1.450 | 1.929 | \$344,832 | \$259,168 |
| 30-Jun-22 | \$500,000 | 1.904 | 2.707 | \$262,634 | \$184,698 |
| 30-Jun-23 | \$600,000 | 4.413 | 9.688 | \$135,962 | \$61,929 |


| Year | (7) | (8) <br> (9) <br> Reported Losses \& ALAE <br> Less Unreimbursed Expenses** |  | $\begin{gathered} (10)=(8) \times(3)-(2) \quad(11)=(9) \times(4)-(2) \\ \text { Specific Excess Coverage Based on } \\ \text { Less Unreimbursed Expenses** } \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Location | Incurred | Paid | Incurred | Paid |
| 7/1/84 to 6/30/85 | Lakeland | \$257,893 | \$257,893 | \$157,893 | \$157,893 |
| 7/1/85 to 6/30/86 | West Milford | \$297,886 | \$297,886 | \$172,886 | \$172,886 |
| 7/1/86 to 6/30/87 | Randolph | \$345,869 | \$345,869 | \$195,869 | \$195,869 |
|  | West Milford | \$292,769 | \$292,769 | \$142,769 | \$142,769 |
|  | Wayne | \$227,902 | \$227,902 | \$77,902 | \$77,902 |
| 86-87 Total |  | \$866,540 | \$866,540 | \$416,540 | \$416,540 |
| 7/1/87 to 6/30/88 | Middletown | \$203,571 | \$203,571 | \$3,571 | \$3,571 |
| 7/1/89 to 6/30/90 | Manchester | \$962,677 | \$624,583 | \$911,538 | \$559,189 |
| 7/1/90 to 6/30/91 | West Milford | \$461,935 | \$428,710 | \$211,935 | \$183,864 |
| 7/1/92 to 6/30/93 | Jefferson * | \$9,506,989 | \$4,314,853 | \$9,256,989 | \$4,116,722 |
| 7/1/94 to 6/30/95 | Middletown | \$839,108 | \$755,206 | \$597,533 | \$529,697 |
| 7/1/97 to 6/30/98 | West Milford | \$269,171 | \$269,171 | \$19,171 | \$19,171 |
|  | Wayne | \$200,153 | \$200,153 | \$0 | \$0 |
|  | Middletown | \$837,576 | \$821,682 | \$605,332 | \$615,435 |
|  | West Milford | \$1,622,460 | \$934,821 | \$1,406,854 | \$734,598 |
| 97-98 Total |  | \$2,929,359 | \$2,225,827 | \$2,031,357 | \$1,369,204 |
| 7/1/98 to 6/30/99 | Eatontown BOE | \$268,620 | \$268,620 | \$18,620 | \$18,620 |
| 7/1/06 to 6/30/07 | Bloomingdale | \$418,954 | \$414,183 | \$92,134 | \$97,260 |
| 7/1/08 to 6/30/09 | Randolph | \$456,028 | \$456,028 | \$106,028 | \$106,028 |
| 7/1/19 to 6/30/20 | Parsippany-Troy Hills BOE | \$719,892 | \$476,263 | \$398,581 | \$247,364 |
| 7/1/20 to 6/30/21 | Cedar Grove Twp School Di: | \$415,675 | \$46,341 | \$102,720 | \$0 |
| 7/1/21 to 6/30/22 | North Brunswick BOE | \$403,015 | \$34,820 | \$267,256 | \$0 |
| 7/1/22 to 6/30/23 | South Brunswick BOE | \$275,800 | \$129,468 | \$717,108 | \$754,346 |
| 7/1/22 to 6/30/23 | Clifton BOE | \$82,650 | \$53,775 | \$0 | \$20,994 |
| 22-23 Total |  | \$358,450 | \$183,243 | \$717,108 | \$775,340 |

Notes:
(2) : Based upon information provided by PIPN
(3) : Exhibit 4, Sheet 1
(4) : Exhibit 4, Sheet 1
(7), (8), (9) : Loss Information Provided by Inservco

* This claim has an ultimate value of $\$ 10,000,000$ plus the cost of rehabilitation. We have selected an excess value of $\$ 9,750,000$ to reflect expected reinsurance reimbursements.
** The years ending 1986, 1990, 1991, 1993, 1995 and 1998, exclude some expenses, reimburse expenses on a pro-rata basis or bot

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022

## Analysis of Aggregate Excess Insurance Losses \& ALAE

| (1) | (2) | (3) | (4) | (5) | (6) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Aggregate | Projected Ultimate Losses \& ALAE |  |  |  |
| Accident | Self-Insurance |  | Specific | Net of | Aggregate |
| Year Ended | Retention | Gross | Excess | Specific Excess | Excess |
| 30-Jun-85 | \$547,699 | \$703,551 | \$155,853 | \$547,699 | \$0 |
| 30-Jun-86 | \$943,885 | \$1,117,238 | \$173,353 | \$943,885 | \$0 |
| 30-Jun-87 | \$1,320,292 | \$1,721,550 | \$401,258 | \$1,320,292 | \$0 |
| 30-Jun-88 | \$1,400,000 | \$1,281,603 | \$1,215 | \$1,280,387 | \$0 |
| 30-Jun-89 | \$1,820,000 | \$940,643 | \$0 | \$940,643 | \$0 |
| 30-Jun-90 | \$2,550,000 | \$2,933,600 | \$737,677 | \$2,195,923 | \$0 |
| 30-Jun-91 | NA | \$1,678,638 | \$211,935 | \$1,466,703 | \$0 |
| 30-Jun-92 | NA | \$1,262,390 | \$0 | \$1,262,390 | \$0 |
| 30-Jun-93 | NA | \$11,507,315 | \$9,750,000 | \$1,757,315 | \$0 |
| 30-Jun-94 | NA | \$1,779,090 | \$0 | \$1,779,090 | \$0 |
| 30-Jun-95 | NA | \$2,704,051 | \$589,108 | \$2,114,943 | \$0 |
| 30-Jun-96 | NA | \$1,996,338 | \$0 | \$1,996,338 | \$0 |
| 30-Jun-97 | NA | \$2,374,715 | \$0 | \$2,374,715 | \$0 |
| 30-Jun-98 | NA | \$5,259,060 | \$2,121,971 | \$3,137,089 | \$0 |
| 30-Jun-99 | NA | \$2,262,382 | \$18,620 | \$2,243,762 | \$0 |
| 30-Jun-00 | NA | \$1,637,844 | \$0 | \$1,637,844 | \$0 |
| 30-Jun-01 | \$3,281,454 | \$1,610,845 | \$0 | \$1,610,845 | \$0 |
| 30-Jun-02 | \$3,546,563 | \$1,773,186 | \$0 | \$1,773,186 | \$0 |
| 30-Jun-03 | \$3,741,030 | \$2,022,489 | \$0 | \$2,022,489 | \$0 |
| 30-Jun-04 | \$4,288,385 | \$1,786,846 | \$0 | \$1,786,846 | \$0 |
| 30-Jun-05 | \$5,422,814 | \$1,895,326 | \$0 | \$1,895,326 | \$0 |
| 30-Jun-06 | \$6,012,493 | \$2,168,190 | \$0 | \$2,168,190 | \$0 |
| 30-Jun-07 | \$6,433,368 | \$2,613,052 | \$94,697 | \$2,518,355 | \$0 |
| 30-Jun-08 | \$6,883,703 | \$1,948,698 | \$0 | \$1,948,698 | \$0 |
| 30-Jun-09 | \$6,883,703 | \$4,104,306 | \$106,307 | \$3,997,999 | \$0 |
| 30-Jun-10 | \$6,883,703 | \$2,970,964 | \$0 | \$2,970,964 | \$0 |
| 30-Jun-11 | \$6,883,703 | \$2,142,656 | \$0 | \$2,142,656 | \$0 |
| 30-Jun-12 | \$6,883,703 | \$2,058,381 | \$0 | \$2,058,381 | \$0 |
| 30-Jun-13 | \$7,055,795 | \$2,421,246 | \$0 | \$2,421,246 | \$0 |
| 30-Jun-14 | NA | \$3,365,622 | \$0 | \$3,365,622 | \$0 |
| 30-Jun-15 | NA | \$2,347,451 | \$0 | \$2,347,451 | \$0 |
| 30-Jun-16 | NA | \$2,493,658 | \$0 | \$2,493,658 | \$0 |
| 30-Jun-17 | NA | \$4,341,392 | \$0 | \$4,341,392 | \$0 |
| 30-Jun-18 | NA | \$2,707,087 | \$0 | \$2,707,087 | \$0 |
| 30-Jun-19 | NA | \$3,909,290 | \$0 | \$3,909,290 | \$0 |
| 30-Jun-20 | NA | \$3,575,871 | \$322,973 | \$3,252,899 | \$0 |
| 30-Jun-21 | NA | \$4,173,916 | \$51,360 | \$4,122,555 | \$0 |
| 30-Jun-22 | NA | \$5,630,475 | \$133,628 | \$5,496,847 | \$0 |
| 30-Jun-23 | NA | \$3,284,085 | \$373,112 | \$2,910,973 | \$0 |
| Total |  | \$106,505,041 | \$15,243,067 | \$91,261,974 | \$0 |

## Notes:

(2) : Provided by PIPNJ. For accident years ending 1985 to 1987 aggregate retention amounts have been set to equal the net incurred amounts.
(3) : Exhibit AIS-1, Sheet 2, Column (7)
(4) : Judgment based on Exhibit AIS-5, Sheet 1, judgment for the 1993 Jefferson case.
(5) : (3) - (4)
(6) : (5) - (2), limited to minimum of \$0

Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Incurred Developmen

## Accident Year Ended

I. Incurred Losses plus Allocated Loss Adjustment Expenses (ALAE)

30-Jun-85 30-Jun-86
30-Jun-87 30-Jun-87
30-Jun-88 $30-J u n-88$
30-Jun-89 30-Jun-89
30-Jun-90 30-Jun-90
30-Jun-91 30-Jun-91
30-Jun-92
30-Jun-93


Values in italics are the average of the prior and subsequent evaluations. Values in BOLD italics reflect a one-time correction to the historic losses
II. Age-to-Age Incurred Development Factors

| Accident Year Ended | Age-to-Age Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 12/6 | 18/12 | $\underline{24 / 18}$ | 30/24 | 36/30 | 42/36 | 48/42 | 54/48 | 60/54 | 66/60 | 72/66 | 78/72 | 84/78 | 90/84 | 96/90 |
| 30-Jun-85 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-86 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-87 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-88 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-89 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-90 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-92 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.006 |
| 30-Jun-93 |  |  |  |  |  |  |  |  |  |  |  |  | 1.040 | 1.000 | 1.000 |
| 30-Jun-94 |  |  |  |  |  |  |  |  |  |  | 0.980 | 0.964 | 0.922 | 0.991 | 1.007 |
| 30-Jun-95 |  |  |  |  |  |  |  |  | 1.025 | 1.178 | 1.001 | 0.990 | 1.000 | 0.987 | 1.009 |
| 30-Jun-96 |  |  |  |  |  |  | 1.007 | 0.951 | 1.009 | 1.022 | 0.985 | 0.995 | 0.997 | 1.003 | 1.004 |
| 30-Jun-97 |  |  |  |  | 1.099 | 1.078 | 0.994 | 0.986 | 0.985 | 1.000 | 0.969 | 0.987 | 1.002 | 1.047 | 1.001 |
| 30-Jun-98 |  |  | 1.016 | 1.134 | 1.088 | 1.016 | 1.079 | 0.980 | 1.088 | 1.005 | 0.997 | 1.045 | 0.995 | 0.992 | 1.021 |
| 30-Jun-99 | 2.001 | 1.302 | 1.047 | 1.041 | 1.031 | 0.990 | 0.989 | 0.969 | 0.976 | 1.074 | 1.049 | 0.944 | 1.021 | 1.041 | 1.002 |
| 30-Jun-00 | 2.084 | 1.231 | 1.144 | 1.033 | 1.016 | 1.016 | 1.149 | 1.017 | 1.004 | 0.995 | 0.999 | 1.066 | 1.000 | 0.998 | 0.998 |
| 30-Jun-01 | 3.041 | 1.234 | 1.094 | 0.917 | 1.061 | 1.129 | 1.111 | 0.999 | 1.007 | 1.009 | 0.945 | 0.994 | 0.933 | 1.000 | 0.997 |
| 30-Jun-02 | 3.753 | 1.222 | 1.102 | 1.034 | 1.024 | 0.958 | 1.111 | 0.960 | 0.963 | 1.004 | 0.997 | 0.997 | 0.996 | 0.976 | 1.000 |
| 30-Jun-03 | 4.505 | 1.013 | 1.145 | 1.002 | 1.035 | 1.002 | 0.994 | 1.009 | 0.957 | 1.034 | 1.018 | 0.993 | 0.966 | 0.990 | 1.002 |
| 30-Jun-04 | 2.025 | 1.128 | 1.036 | 1.025 | 1.027 | 1.015 | 0.976 | 1.024 | 1.023 | 1.073 | 1.018 | 1.030 | 0.991 | 0.994 | 1.000 |
| 30-Jun-05 | 2.736 | 1.314 | 1.064 | 1.073 | 1.046 | 0.990 | 1.009 | 0.990 | 0.949 | 1.003 | 0.986 | 0.981 | 0.996 | 1.000 | 1.013 |
| 30-Jun-06 | 2.799 | 1.072 | 1.030 | 1.048 | 1.086 | 1.127 | 1.010 | 1.005 | 0.975 | 1.002 | 0.942 | 0.976 | 1.002 | 0.975 | 1.000 |
| 30-Jun-07 | 2.623 | 1.051 | 1.289 | 0.978 | 1.049 | 1.030 | 1.052 | 0.997 | 0.980 | 1.027 | 0.985 | 1.020 | 1.004 | 1.016 | 0.964 |
| 30-Jun-08 | 2.238 | 0.840 | 1.075 | 0.979 | 0.994 | 1.007 | 0.990 | 1.022 | 1.018 | 1.008 | 0.985 | 0.986 | 0.999 | 1.002 | 1.000 |
| 30-Jun-09 | 3.042 | 1.374 | 1.231 | 1.061 | 1.082 | 0.964 | 1.025 | 1.022 | 0.972 | 1.004 | 0.998 | 1.012 | 1.010 | 0.998 | 0.998 |
| 30-Jun-10 | 2.301 | 1.109 | 1.141 | 0.977 | 1.002 | 1.008 | 0.981 | 1.012 | 0.989 | 1.001 | 1.009 | 0.993 | 1.019 | 1.015 | 1.007 |
| 30-Jun-11 | 2.869 | 1.128 | 1.038 | 1.122 | 1.078 | 1.022 | 1.027 | 0.998 | 0.995 | 0.974 | 0.994 | 0.998 | 1.003 | 0.998 | 0.996 |
| 30-Jun-12 | 2.784 | 0.951 | 1.220 | 0.988 | 1.021 | 0.880 | 1.017 | 0.930 | 0.998 | 1.017 | 1.004 | 0.996 | 1.001 | 1.007 | 1.012 |
| 30-Jun-13 | 2.322 | 1.001 | 1.023 | 1.034 | 0.960 | 0.998 | 1.024 | 1.059 | 0.963 | 1.068 | 1.005 | 1.003 | 1.002 | 1.004 | 1.014 |
| 30-Jun-14 | 2.601 | 1.245 | 1.037 | 1.082 | 1.016 | 1.045 | 1.011 | 1.005 | 1.000 | 0.986 | 1.008 | 1.001 | 1.008 | 0.997 | 1.004 |
| 30-Jun-15 | 2.926 | 1.183 | 1.099 | 1.079 | 1.038 | 1.017 | 1.019 | 1.068 | 1.011 | 0.998 | 0.995 | 0.988 | 1.002 | 0.995 | 1.000 |
| 30-Jun-16 | 3.150 | 1.282 | 1.111 | 1.037 | 0.982 | 1.042 | 1.018 | 1.130 | 1.011 | 1.002 | 1.007 | 0.998 | 1.002 | 1.066 |  |
| 30-Jun-17 | 2.399 | 1.037 | 1.144 | 1.076 | 1.195 | 1.119 | 1.011 | 1.001 | 1.012 | 1.043 | 1.015 | 1.010 |  |  |  |
| 30-Jun-18 | 3.616 | 1.247 | 1.227 | 1.050 | 1.055 | 1.016 | 1.040 | 1.014 | 1.020 | 1.003 |  |  |  |  |  |
| 30-Jun-19 | 2.354 | 1.349 | 1.070 | 1.015 | 1.089 | 1.015 | 1.008 | 1.041 |  |  |  |  |  |  |  |
| 30-Jun-20 | 2.128 | 1.157 | 1.251 | 1.019 | 1.152 | 1.092 |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 | 4.026 | 1.394 | 1.305 | 1.224 |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 | 4.659 | 1.282 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 12/6 | 18/12 | 24/18 | 30/24 | 36/30 | 42/36 | 48/42 | 54/48 | 60/54 | 66/60 | 72/66 | 78/72 | 84/78 | 90/84 | 96/90 |
| Average - All | 2.874 | 1.173 | 1.123 | 1.043 | 1.051 | 1.024 | 1.027 | 1.008 | 0.997 | 1.022 | 0.995 | 0.999 | 0.996 | 1.004 | 1.002 |
| Average - 5 Yr . | 3.357 | 1.286 | 1.200 | 1.077 | 1.095 | 1.057 | 1.019 | 1.051 | 1.011 | 1.006 | 1.006 | 1.000 | 1.003 | 1.014 | 1.005 |
| Average - 3 Yr. | 3.605 | 1.278 | 1.209 | 1.086 | 1.099 | 1.041 | 1.020 | 1.019 | 1.014 | 1.016 | 1.006 | 0.999 | 1.004 | 1.019 | 1.006 |
| Avg Ex Hi/Low | 2.833 | 1.178 | 1.119 | 1.040 | 1.049 | 1.026 | 1.024 | 1.006 | 0.995 | 1.017 | 0.995 | 0.998 | 0.998 | 1.002 | 1.003 |
| Median | 2.760 | 1.202 | 1.100 | 1.035 | 1.042 | 1.016 | 1.014 | 1.005 | 0.999 | 1.005 | 0.998 | 0.996 | 1.001 | 0.999 | 1.002 |
| Weighted Avg. | 2.725 | 1.161 | 1.123 | 1.045 | 1.055 | 1.024 | 1.023 | 1.008 | 0.997 | 1.020 | 0.996 | 0.999 | 1.002 | 1.003 | 1.002 |
| Std. Dev. | 0.752 | 0.143 | 0.088 | 0.062 | 0.052 | 0.056 | 0.044 | 0.041 | 0.029 | 0.042 | 0.022 | 0.025 | 0.025 | 0.021 | 0.010 |
| Coef. of Var. | 0.262 | 0.122 | 0.079 | 0.059 | 0.050 | 0.055 | 0.043 | 0.040 | 0.029 | 0.041 | 0.023 | 0.025 | 0.025 | 0.021 | 0.010 |
| Annual Trend | 0.025 | 0.003 | 0.005 | 0.002 | 0.001 | 0.000 | -0.002 | 0.003 | 0.000 | -0.002 | 0.001 | 0.000 | 0.001 | 0.001 | 0.000 |
| Selected | 3.605 | 1.286 | 1.209 | 1.086 | 1.099 | 1.057 | 1.027 | 1.051 | 1.014 | 1.022 | 1.006 | 1.000 | 1.004 | 1.012 | 1.006 |
| Cumulative | 8.826 | 2.448 | 1.904 | 1.575 | 1.450 | 1.319 | 1.248 | 1.215 | 1.156 | 1.140 | 1.116 | 1.109 | 1.109 | 1.105 | 1.092 |


| Prior Selected | 3.605 | 1.300 | 1.209 | 1.039 | 1.099 | 1.050 | 1.027 | 1.049 | 1.014 | 1.023 | 1.006 | 1.000 | 1.004 | 1.001 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Appendix A, Sheet 1

Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Incurred Developmen


Appendix A, Sheet 2

Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Incurred Developmen

| Accident Year Ended | I. Incurred Losses plus Allocated Loss Adjustment Expenses (ALAE) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | Deve | elopment Pe | eriod |  |  |  |  |  |  |
|  | 186 | $\underline{192}$ | 198 | $\underline{204}$ | $\underline{210}$ | $\underline{216}$ | $\underline{222}$ | $\underline{228}$ | $\underline{234}$ | $\underline{240}$ | $\underline{246}$ | $\underline{252}$ | $\underline{258}$ | $\underline{264}$ | $\underline{270}$ |
| 30-Jun-85 | 628,092 | 627,458 | 627,458 | 630,458 | 655,457 | 655,459 | 655,459 | 678,896 | 663,596 | 663,960 | 663,960 | 678,310 | 678,310 | 678,310 | 683,460 |
| 30-Jun-86 | 986,670 | 990,095 | 990,096 | 990,095 | 1,061,927 | 1,061,927 | 1,061,927 | 1,061,927 | 1,061,927 | 1,070,254 | 1,077,115 | 1,077,115 | 1,082,630 | 1,083,730 | 1,083,730 |
| 30-Jun-87 | 1,742,647 | 1,742,648 | 1,742,647 | 1,742,647 | 1,742,647 | 1,742,648 | 1,742,648 | 1,745,809 | 1,747,197 | 1,758,693 | 1,758,693 | 1,758,693 | 1,775,605 | 1,785,674 | 1,799,205 |
| 30-Jun-88 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 |
| 30-Jun-89 | 933,647 | 933,647 | 933,647 | 943,647 | 943,647 | 945,706 | 945,706 | 945,706 | 939,945 | 940,643 | 940,643 | 957,143 | 940,643 | 940,643 | 940,643 |
| 30-Jun-90 | 2,583,642 | 2,584,610 | 2,586,175 | 2,586,309 | 2,586,175 | 2,586,687 | 2,586,465 | 2,594,587 | 2,653,221 | 2,665,245 | 2,682,921 | 2,682,921 | 2,702,331 | 2,729,729 | 2,752,729 |
| 30-Jun-91 | 1,456,683 | 1,456,683 | 1,466,683 | 1,466,683 | 1,471,829 | 1,471,829 | 1,538,760 | 1,541,760 | 1,553,668 | 1,551,743 | 1,551,939 | 1,568,265 | 1,568,265 | 1,578,972 | 1,585,767 |
| 30-Jun-92 | 1,231,071 | 1,231,071 | 1,233,177 | 1,238,560 | 1,267,702 | 1,267,702 | 1,267,702 | 1,267,701 | 1,267,701 | 1,274,232 | 1,274,232 | 1,274,232 | 1,273,701 | 1,273,701 | 1,273,701 |
| 30-Jun-93 | 8,707,938 | 8,707,938 | 8,754,423 | 8,754,620 | 8,954,641 | 9,083,402 | 9,608,023 | 9,656,365 | 9,656,365 | 9,772,563 | 9,772,563 | 9,748,397 | 9,748,397 | 9,748,397 | 9,947,615 |
| 30-Jun-94 | 1,794,876 | 1,794,876 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 |
| 30-Jun-95 | 2,399,744 | 2,399,744 | 2,427,857 | 2,427,857 | 2,477,857 | 2,477,857 | 2,477,857 | 2,528,248 | 2,532,584 | 2,532,584 | 2,533,584 | 2,543,521 | 2,557,789 | 2,575,502 | 2,578,995 |
| 30-Jun-96 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 |
| 30-Jun-97 | 2,375,034 | 2,375,034 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 |
| 30-Jun-98 | 3,971,969 | 4,036,493 | 4,052,729 | 4,118,858 | 4,136,942 | 4,150,408 | 4,098,919 | 4,104,110 | 4,208,553 | 4,232,563 | 4,241,073 | 4,247,135 | 4,270,259 | 4,296,719 | 4,569,929 |
| 30-Jun-99 | 2,234,034 | 2,221,537 | 2,231,599 | 2,230,193 | 2,237,165 | 2,274,420 | 2,294,701 | 2,296,201 | 2,296,201 | 2,296,201 | 2,262,093 | 2,262,382 | 2,262,382 | 2,262,382 | 2,262,382 |
| 30-Jun-00 | 1,644,767 | 1,663,078 | 1,651,078 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 |
| 30-Jun-01 | 1,606,243 | 1,610,068 | 1,610,068 | 1,610,068 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 |
| $30-\mathrm{Jun}$-02 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 |  |  |
| 30-Jun-03 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 |  |  |  |  |
| 30-Jun-04 | 1,791,346 | 1,791,346 | 1,790,346 | 1,790,346 | 1,787,936 | 1,786,846 | 1,786,846 | 1,786,846 | 1,786,846 |  |  |  |  |  |  |
| 30-Jun-05 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 |  |  |  |  |  |  |  |  |
| 30-Jun-06 | 2,168,190 | 2,168,190 | 2,168,190 | 2,168,190 | 2,168,190 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 | 2,440,953 | 2,472,668 | 2,476,168 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 1,948,608 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Values in italics are the average of the prior and subsequent evaluations. Values in BOLD italics reflect a one-time correction to the historic losses
II. Age-to-Age Incurred Development Factors

| Accident Year Ended | Age-to-Age Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 192/186 | 198/192 | 204/198 | 210/204 | 216/210 | 222/216 | 228/222 | 234/228 | 240/234 | 246/240 | 252/246 | 258/252 | 264/258 | 270/264 | 276/270 |
| 30-Jun-85 | 0.999 | 1.000 | 1.005 | 1.040 | 1.000 | 1.000 | 1.036 | 0.977 | 1.001 | 1.000 | 1.022 | 1.000 | 1.000 | 1.008 | 1.004 |
| 30-Jun-86 | 1.003 | 1.000 | 1.000 | 1.073 | 1.000 | 1.000 | 1.000 | 1.000 | 1.008 | 1.006 | 1.000 | 1.005 | 1.001 | 1.000 | 1.009 |
| 30-Jun-87 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.002 | 1.001 | 1.007 | 1.000 | 1.000 | 1.010 | 1.006 | 1.008 | 0.957 |
| 30-Jun-88 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-89 | 1.000 | 1.000 | 1.011 | 1.000 | 1.002 | 1.000 | 1.000 | 0.994 | 1.001 | 1.000 | 1.018 | 0.983 | 1.000 | 1.000 | 1.000 |
| 30-Jun-90 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.003 | 1.023 | 1.005 | 1.007 | 1.000 | 1.007 | 1.010 | 1.008 | 1.005 |
| 30-Jun-91 | 1.000 | 1.007 | 1.000 | 1.004 | 1.000 | 1.045 | 1.002 | 1.008 | 0.999 | 1.000 | 1.011 | 1.000 | 1.007 | 1.004 | 1.009 |
| 30-Jun-92 | 1.000 | 1.002 | 1.004 | 1.024 | 1.000 | 1.000 | 1.000 | 1.000 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.991 |
| 30-Jun-93 | 1.000 | 1.005 | 1.000 | 1.023 | 1.014 | 1.058 | 1.005 | 1.000 | 1.012 | 1.000 | 0.998 | 1.000 | 1.000 | 1.020 | 1.000 |
| 30-Jun-94 | 1.000 | 0.991 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-95 | 1.000 | 1.012 | 1.000 | 1.021 | 1.000 | 1.000 | 1.020 | 1.002 | 1.000 | 1.000 | 1.004 | 1.006 | 1.007 | 1.001 | 1.002 |
| 30-Jun-96 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-97 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-98 | 1.016 | 1.004 | 1.016 | 1.004 | 1.003 | 0.988 | 1.001 | 1.025 | 1.006 | 1.002 | 1.001 | 1.005 | 1.006 | 1.064 | 0.961 |
| 30-Jun-99 | 0.994 | 1.005 | 0.999 | 1.003 | 1.017 | 1.009 | 1.001 | 1.000 | 1.000 | 0.985 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-00 | 1.011 | 0.993 | 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 |
| 30-Jun-01 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |
| 30-Jun-02 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |
| 30-Jun-03 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |
| 30-Jun-04 | 1.000 | 0.999 | 1.000 | 0.999 | 0.999 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |
| 30-Jun-05 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |  |
| 30-Jun-06 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 | 1.013 | 1.001 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 192/186 | 198/192 | 204/198 | $\underline{\text { 210/204 }}$ | 216/210 | 222/216 | 228/222 | 234/228 | $\underline{240 / 234}$ | 246/240 | 252/246 | 258/252 | 264/258 | 270/264 | 276/270 |
| Average - All | 1.002 | 1.001 | 1.001 | 1.009 | 1.002 | 1.005 | 1.003 | 1.001 | 1.002 | 1.000 | 1.003 | 1.001 | 1.002 | 1.007 | 0.996 |
| Average - 5 Yr . | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.001 | 1.001 | 1.013 | 0.992 |
| Average - 3 Yr . | 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 | 0.987 |
| Avg Ex Hi/Low | 1.001 | 1.001 | 1.001 | 1.006 | 1.001 | 1.003 | 1.002 | 1.001 | 1.002 | 1.001 | 1.002 | 1.001 | 1.002 | 1.003 | 0.998 |
| Median | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Weighted Avg. | 1.002 | 1.002 | 1.001 | 1.009 | 1.004 | 1.012 | 1.003 | 1.004 | 1.004 | 1.000 | 1.001 | 1.002 | 1.002 | 1.013 | 0.994 |
| Std. Dev. | 0.005 | 0.004 | 0.005 | 0.018 | 0.005 | 0.016 | 0.009 | 0.010 | 0.004 | 0.004 | 0.007 | 0.006 | 0.003 | 0.016 | 0.015 |
| Coef. of Var. | 0.005 | 0.004 | 0.005 | 0.018 | 0.005 | 0.016 | 0.009 | 0.010 | 0.004 | 0.004 | 0.007 | 0.006 | 0.003 | 0.016 | 0.015 |
| Annual Trend | 0.000 | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 | 0.000 |
| Selected | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.013 | 1.000 |
| Cumulative | 1.058 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.054 | 1.053 | 1.040 |
| Prior Selected | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.013 | 1.000 |
| Prior Cumulative | 1.058 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.055 | 1.054 | 1.053 | 1.040 |

Appendix A, Sheet 3

POOLED INSURANCE PROGRAM OF NEW JERSEY
Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Incurred Developmen


 $\begin{array}{rrrrrrrrrrrrrrrrr}685,960 & 703,960 & 703,960 & 703,960 & 703,960 & 708,460 & 710,460 & 710,460 & 714,460 & 714,460 & 712,230 & 712,198 & 712,198 & 703,225 & 703,225\end{array}$ $\begin{array}{lllllllllllll}1,093,439 & 1,116,922 & 1,116,922 & 1,122,129 & 1,122,129 & 1,101,652 & 1,044,544 & 1,044,723 & 1,046,823 & 1,044,869 & 1,044,869 & 1,045,048 & 1,045,048 \\ 1,082,383 & 1,120,451 \\ 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 & 1,721,550 \\ 1,781,721,550 & 1,721,550 \\ 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 & 1,281,603 \\ 1,281,602 & 1,281,602\end{array}$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,603$ | $1,281,602$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $1,281,602$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 |
| 940,643 |  |  |  |  |  |  |  |  |  |  |  |  |  | $\begin{array}{lllllllllllll}2,766,603 & 2,774,279 & 2,779,809 & 2,785,905 & 2,816,931 & 2,823,235 & 2,841,272 & 2,846,339 & 2,851,821 & 2,864,980 & 2,867,809 & 2,876,581 & 2,873,292 \\ 2,873,292 & 2,873,292 \\ 1,599,528 & 1,599,528 & 1,611,137 & 1,611,137 & 1,624,737 & 1,624,737 & 1,636,819 & 1,636,819 & 1,645,087 & 1,654,692 & 1,664,754 & 1,667,155 & 1,667,155\end{array} 1,678,638 \quad 1,678,638$


 $\begin{array}{lllllllllllllllllllll}1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090 & 1,779,090\end{array}$
$\begin{array}{llllllllllll}2,584,325 & 2,618,134 & 2,655,900 & 2,664,146 & 2,669,745 & 2,678,161 & 2,689,281 & 2,692,930 & 2,704,051 & 2,704,051 & 2,704,051 & 2,704,051\end{array}$
$\begin{array}{llllllll}1,996,315 & 1,966,715 & 1,996,338 & 1,997,315 & 1,997,315 & 1,996,31 & 1,996,318 & 1,929,338 \\ 2,374,715 & 2,374,715 & 2,374,715 & 2,344,715 & 2,344,715 & 2,374,715 & 2,374,715 & 2,374,715\end{array}$
$\begin{array}{lllllll}4,393,673 & 4,399,594 & 4,455,870 & 4,552,682 & 4,608,670 & 5,155,007\end{array}$
$\begin{array}{lllll}2,262,382 & 2,262,382 & 2,262,382 & 2,262,382\end{array}$
1,637,844 1,637,844

Values in italics are the average of the prior and subsequent evaluations. Values in BOLD italics reflect a one-time correction to the historic losses

| Accident Year Ended | Age-to-A | ge Incurred | Developme | nt Factors |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 11. Age-to-Age Incurred Development Factors Age-to-Age Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 282/276 | 288/282 | $\underline{294 / 288}$ | 300/294 | 306/300 | 312/306 | 318/312 | 324/318 | 330/324 | 336/330 | 342/336 | 348/342 | 354/348 | 360/354 | 366/360 |
| 30-Jun-85 | 1.026 | 1.000 | 1.000 | 1.000 | 1.006 | 1.003 | 1.000 | 1.006 | 1.000 | 0.997 | 1.000 | 1.000 | 0.987 | 1.000 | 1.000 |
| 30-Jun-86 | 1.021 | 1.000 | 1.005 | 1.000 | 0.982 | 0.948 | 1.000 | 1.002 | 0.998 | 1.000 | 1.000 | 1.000 | 1.036 | 1.035 | 1.002 |
| 30-Jun-87 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-88 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-89 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-90 | 1.003 | 1.002 | 1.002 | 1.011 | 1.002 | 1.006 | 1.002 | 1.002 | 1.005 | 1.001 | 1.003 | 0.999 | 1.000 | 1.000 | 1.006 |
| 30-Jun-91 | 1.000 | 1.007 | 1.000 | 1.008 | 1.000 | 1.007 | 1.000 | 1.005 | 1.006 | 1.006 | 1.001 | 1.000 | 1.007 | 1.000 | 1.000 |
| 30-Jun-92 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-93 | 1.000 | 1.000 | 1.003 | 1.024 | 1.007 | 1.004 | 1.007 | 1.010 | 1.000 | 1.000 | 1.014 | 1.007 | 1.000 | 1.011 | 1.015 |
| 30-Jun-94 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |
| 30-Jun-95 | 1.013 | 1.014 | 1.003 | 1.002 | 1.003 | 1.004 | 1.001 | 1.004 | 1.000 | 1.000 | 1.000 |  |  |  |  |
| 30-Jun-96 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |
| 30-Jun-97 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |
| 30-Jun-98 | 1.001 | 1.013 | 1.022 | 1.012 | 1.119 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-99 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-00 | 1.000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 282/276 | 288/282 | 294/288 | 300/294 | 306/300 | 312/306 | 318/312 | 324/318 | 330/324 | 336/330 | 342/336 | 348/342 | 354/348 | 360/354 | 366/360 |
| Average - All | 1.004 | 1.002 | 1.002 | 1.004 | 1.009 | 0.998 | 1.001 | 1.002 | 1.001 | 1.000 | 1.002 | 1.001 | 1.003 | 1.005 | 1.003 |
| Average - 5 Yr . | 1.000 | 1.005 | 1.005 | 1.003 | 1.024 | 1.002 | 1.002 | 1.003 | 1.000 | 1.001 | 1.003 | 1.001 | 1.001 | 1.002 | 1.004 |
| Average - 3 Yr. | 1.000 | 1.004 | 1.007 | 1.004 | 1.040 | 1.001 | 1.000 | 1.001 | 1.000 | 1.000 | 1.005 | 1.002 | 1.000 | 1.004 | 1.005 |
| Avg Ex Hi/Low | 1.003 | 1.002 | 1.001 | 1.003 | 1.002 | 1.002 | 1.000 | 1.002 | 1.000 | 1.000 | 1.001 | 1.000 | 1.001 | 1.002 | 1.001 |
| Median | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Weighted Avg. | 1.002 | 1.003 | 1.004 | 1.010 | 1.018 | 1.001 | 1.003 | 1.005 | 1.001 | 1.000 | 1.006 | 1.003 | 1.002 | 1.007 | 1.008 |
| Std. Dev. | 0.008 | 0.005 | 0.006 | 0.007 | 0.032 | 0.015 | 0.002 | 0.003 | 0.002 | 0.002 | 0.004 | 0.002 | 0.012 | 0.012 | 0.005 |
| Coef. of Var. | 0.008 | 0.005 | 0.006 | 0.007 | 0.032 | 0.015 | 0.002 | 0.003 | 0.002 | 0.002 | 0.004 | 0.002 | 0.012 | 0.012 | 0.005 |
| Annual Trend | -0.001 | 0.000 | 0.000 | 0.000 | 0.004 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -0.001 | -0.001 | 0.001 |
| Selected | 1.000 | 1.005 | 1.005 | 1.003 | 1.005 | 1.002 | 1.002 | 1.003 | 1.000 | 1.001 | 1.003 | 1.001 | 1.001 | 1.002 | 1.003 |
| Cumulative | 1.040 | 1.040 | 1.035 | 1.029 | 1.026 | 1.021 | 1.019 | 1.017 | 1.014 | 1.014 | 1.013 | 1.010 | 1.009 | 1.008 | 1.006 |
| Prior Selected | 1.003 | 1.005 | 1.005 | 1.003 | 1.002 | 1.002 | 1.002 | 1.003 | 1.001 | 1.001 | 1.004 | 1.001 | 1.001 | 1.002 | 1.001 |
| Prior Cumulative | 1.040 | 1.037 | 1.031 | 1.026 | 1.023 | 1.021 | 1.019 | 1.017 | 1.014 | 1.013 | 1.012 | 1.008 | 1.007 | 1.006 | 1.004 |

Appendix A, Sheet 4

## Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022

Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Incurred Developmen

| Accident Year Ended | I. Incurred L | ses plus | Allocated L | Loss Adjustr | ment Expen | nses (ALAE |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Incurred Losses plus Allocated Loss Adjustment Expenses (ALAE), Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\underline{366}$ | $\underline{372}$ | 378 | $\underline{384}$ | 390 | $\underline{396}$ | 402 | 408 | 414 | 420 | $\underline{426}$ | 432 | 438 | 444 | 450 | 456 | 462 |
| 30-Jun-85 | 703,225 | 703,225 | 703,225 | 703,225 | 703,225 | 703,514 | 703,552 | 703,552 | 703,552 | 703,552 | 703,552 | 703,552 | 703,551 | 703,551 | 703,551 | 703,551 | 703,551 |
| 30-Jun-86 | 1,122,630 | 1,122,630 | 1,123,010 | 1,123,010 | 1,123,010 | 1,123,010 | 1,123,010 | 1,123,010 | 1,123,010 | 1,123,010 | 1,123,010 | 1,123,010 | 1,123,010 | 1,117,238 | 1,117,238 |  |  |
| 30-Jun-87 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 |  |  |  |  |
| 30-Jun-88 | 1,281,602 | 1,281,602 | 1,281,602 | 1,281,602 | 1,281,602 | 1,281,602 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 |  |  |  |  |  |  |
| 30-Jun-89 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 |  |  |  |  |  |  |  |  |
| 30-Jun-90 | 2,891,932 | 2,899,608 | 2,906,187 | 2,913,863 | 2,924,828 | 2,931,407 | 2,933,600 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-91 | 1,678,638 | 1,678,638 | 1,678,638 | 1,678,638 | 1,678,638 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-92 | 1,262,390 | 1,262,390 | 1,262,390 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-93 | 11,020,167 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-94 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-95 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-96 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-97 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-98 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-99 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Values in italics are the average of the prior and subsequent evaluations. Values in BOLD italics reflect a one-time correction to the historic losses
Accident

| Accident |
| :--- |
| Year Ended |
| 30-Jun-85 |
| 30-Jun-86 |
| 30-Jun-87 |
| 30-Jun-88 |
| 30-Jun-89 |
| 30-Jun-90 |
| 30-Jun-91 |
| 30-Jun-92 |
| 30-Jun-93 |
| 30-Jun-94 |
| 30-Jun-95 |
| 30-Jun-96 |
| 30-Jun-97 |
| 30-Jun-98 |
| 30-Jun-99 |
| 30-Jun-00 |
| 30-Jun-01 |
| 30-Jun-02 |
| 30-Jun-03 |
| 30-Jun-04 |
| 30-Jun-05 |
| 30-Jun-06 |
| 30-Jun-07 |
| 30-Jun-08 |
| 30-Jun-09 |
| 30-Jun-10 |
| 30-Jun-11 |
| 30-Jun-12 |
| 30-Jun-13 |
| 30-Jun-14 |
| 30-Jun-15 |
| 30-Jun-16 |
| 30-Jun-17 |
| 30-Jun-18 |
| 30-Jun-19 |
| 30-Jun-20 |
| 30-Jun-21 |
| 30-Jun-22 |



| 372/366 | 378/372 | 384/378 | 390/384 | 396/390 | 402/396 | 408/402 | 414/408 | 420/414 | 426/420 | 432/426 | 438/432 | 444/438 | 450/444 | 456/450 | 462/456 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.995 | 1.000 |  |  |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |
| 1.003 | 1.002 | 1.003 | 1.004 | 1.002 | 1.001 |  |  |  |  |  |  |  |  |  |  |
| 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.000 | 1.000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | 372/366 | 378/372 | 384/378 | 390/384 | 396/390 | 402/396 | 408/402 | 414/408 | 420/414 | 426/420 | 432/426 | 438/432 | 444/438 | 450/444 | 456/450 | 462/456 | Tail |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Average - All | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.000 | 1.000 |  |
| Average - 5 Yr . | 1.001 | 1.000 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.000 | 1.000 |  |
| Average - 3 Yr . | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.000 | 1.000 |  |
| Avg Ex Hi/Low | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.000 | 1.000 |  |
| Median | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.000 | 1.000 |  |
| Weighted Avg. | 1.001 | 1.001 | 1.001 | 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 |  |
| Std. Dev. | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 | 0.000 |  |  |  |
| Coef. of Var. | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 | 0.000 |  |  |  |
| Annual Trend | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -0.005 | 0.000 |  |  |  |
| Selected | 1.001 | 1.000 | 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 |
| Cumulative | 1.003 | 1.002 | 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 |
| Prior Selected | 1.001 | 1.000 | 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 |  |
| Prior Cumulative | 1.003 | 1.002 | 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 |  |

# POOLED INSURANCE PROGRAM OF NEW JERSEY 

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Paid Development

| Accident Year Ended | I. Paid Losses plus Allocated Loss Adjustment Expenses (ALAE) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\underline{6}$ | 12 | 18 | $\underline{24}$ | $\underline{30}$ | $\underline{36}$ | $\underline{42}$ | 48 | $\underline{54}$ | $\underline{60}$ | $\underline{66}$ | 72 | 78 | 84 | $\underline{90}$ |
| 30-Jun-85 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-86 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-87 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-88 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-89 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-90 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-92 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1,166,244 |
| 30-Jun-93 |  |  |  |  |  |  |  |  |  |  |  |  | 2,715,585 | 3,218,590 | 3,269,570 |
| 30-Jun-94 |  |  |  |  |  |  |  |  |  |  | 1,452,116 | 1,482,719 | 1,571,937 | 1,639,374 | 1,648,478 |
| 30-Jun-95 |  |  |  |  |  |  |  |  | 1,462,224 | 1,566,623 | 1,678,979 | 1,709,463 | 1,794,508 | 1,805,298 | 1,815,390 |
| 30-Jun-96 |  |  |  |  |  |  | 1,400,853 | 1,518,417 | 1,554,238 | 1,729,963 | 1,762,169 | 1,824,669 | 1,848,182 | 1,860,577 | 1,874,724 |
| 30-Jun-97 |  |  |  |  | 1,147,273 | 1,323,201 | 1,478,960 | 1,580,431 | 1,665,846 | 1,731,316 | 1,769,070 | 1,919,587 | 1,973,296 | 2,022,975 | 2,090,427 |
| 30-Jun-98 |  |  | 966,653 | 1,232,600 | 1,456,045 | 1,579,354 | 1,838,143 | 2,002,638 | 2,078,179 | 2,313,332 | 2,418,755 | 2,485,204 | 2,674,998 | 2,717,943 | 2,844,124 |
| 30-Jun-99 | 339,691 | 679,799 | 1,033,792 | 1,155,202 | 1,256,999 | 1,381,629 | 1,419,341 | 1,502,044 | 1,580,093 | 1,626,716 | 1,634,021 | 1,648,562 | 1,839,150 | 1,844,273 | 1,857,088 |
| 30-Jun-00 | 137,829 | 448,820 | 654,995 | 797,796 | 850,579 | 879,922 | 955,904 | 994,003 | 1,082,221 | 1,133,725 | 1,187,019 | 1,223,849 | 1,261,455 | 1,278,296 | 1,315,705 |
| 30-Jun-01 | 116,462 | 531,111 | 780,074 | 859,951 | 936,294 | 980,477 | 1,085,052 | 1,156,831 | 1,182,599 | 1,199,945 | 1,205,694 | 1,329,824 | 1,342,741 | 1,355,043 | 1,356,874 |
| 30-Jun-02 | 171,192 | 531,104 | 844,441 | 964,324 | 1,035,316 | 1,168,457 | 1,420,445 | 1,569,372 | 1,639,247 | 1,676,782 | 1,695,940 | 1,711,236 | 1,761,199 | 1,765,253 | 1,773,156 |
| 30-Jun-03 | 147,811 | 730,732 | 1,070,389 | 1,203,788 | 1,313,949 | 1,387,971 | 1,523,369 | 1,691,864 | 1,746,053 | 1,797,738 | 1,816,261 | 1,822,519 | 1,882,020 | 1,913,556 | 1,935,376 |
| 30-Jun-04 | 194,152 | 633,277 | 892,488 | 993,244 | 1,080,048 | 1,200,744 | 1,272,475 | 1,351,079 | 1,416,720 | 1,414,851 | 1,552,341 | 1,569,820 | 1,637,660 | 1,684,789 | 1,696,975 |
| $30-\mathrm{Jun}-05$ | 124,262 | 653,370 | 1,118,921 | 1,324,727 | 1,395,933 | 1,448,449 | 1,508,883 | 1,596,060 | 1,548,890 | 1,724,747 | 1,750,924 | 1,781,053 | 1,808,167 | 1,838,320 | 1,843,175 |
| 30-Jun-06 | 190,088 | 697,813 | 1,141,207 | 1,344,360 | 1,454,595 | 1,560,696 | 1,665,180 | 1,865,234 | 2,009,923 | 2,106,854 | 2,046,869 | 2,120,720 | 2,075,411 | 2,079,116 | 2,124,939 |
| 30-Jun-07 | 180,519 | 642,018 | 947,615 | 1,182,594 | 1,303,925 | 1,390,867 | 1,476,166 | 1,663,093 | 1,752,247 | 1,802,926 | 1,918,244 | 1,934,979 | 2,024,288 | 2,035,213 | 2,048,861 |
| 30-Jun-08 | 207,869 | 818,384 | 1,144,909 | 1,287,305 | 1,377,046 | 1,412,041 | 1,533,588 | 1,676,540 | 1,747,881 | 1,819,995 | 1,837,492 | 1,871,700 | 1,877,941 | 1,917,429 | 1,919,009 |
| 30-Jun-09 | 294,535 | 1,217,007 | 2,056,312 | 2,405,649 | 2,644,046 | 2,841,036 | 3,047,032 | 3,325,063 | 3,421,857 | 3,536,154 | 3,651,870 | 3,714,739 | 3,940,550 | 4,039,589 | 4,040,313 |
| 30-Jun-10 | 353,288 | 1,265,796 | 1,652,403 | 1,825,824 | 2,007,423 | 2,065,416 | 2,152,009 | 2,313,702 | 2,400,065 | 2,496,297 | 2,518,464 | 2,531,718 | 2,555,094 | 2,566,864 | 2,658,416 |
| 30-Jun-11 | 182,491 | 638,167 | 1,016,630 | 1,140,991 | 1,187,932 | 1,354,089 | 1,516,335 | 1,594,806 | 1,666,390 | 1,808,159 | 1,892,856 | 1,917,407 | 1,931,208 | 1,939,602 | 1,942,929 |
| 30-Jun-12 | 190,904 | 712,292 | 1,023,213 | 1,113,797 | 1,215,312 | 1,320,086 | 1,359,793 | 1,479,806 | 1,535,946 | 1,584,528 | 1,679,888 | 1,708,821 | 1,723,246 | 1,771,296 | 1,776,538 |
| 30-Jun-13 | 268,639 | 895,686 | 1,175,532 | 1,330,365 | 1,440,724 | 1,481,182 | 1,593,648 | 1,738,249 | 1,848,120 | 1,861,400 | 1,891,698 | 2,120,583 | 2,153,773 | 2,183,789 | 2,190,396 |
| 30-Jun-14 | 212,584 | 1,124,073 | 1,744,603 | 1,972,204 | 2,074,183 | 2,211,404 | 2,564,831 | 2,714,042 | 2,793,897 | 2,864,783 | 2,929,376 | 3,022,836 | 3,060,265 | 3,068,997 | 3,081,338 |
| 30-Jun-15 | 114,485 | 755,773 | 1,220,691 | 1,350,340 | 1,471,211 | 1,540,152 | 1,667,728 | 1,797,387 | 1,861,243 | 1,970,152 | 2,045,530 | 2,072,917 | 2,086,567 | 2,089,362 | 2,097,827 |
| 30-Jun-16 | 188,845 | 854,199 | 1,190,104 | 1,254,459 | 1,334,104 | 1,359,344 | 1,438,250 | 1,631,166 | 1,793,671 | 1,916,758 | 1,963,420 | 2,000,074 | 2,019,398 | 2,045,419 | 2,058,416 |
| 30-Jun-17 | 285,532 | 1,163,864 | 1,598,279 | 1,840,606 | 1,973,847 | 2,166,861 | 2,382,001 | 2,699,544 | 2,842,642 | 2,892,294 | 2,977,999 | 2,991,822 | 3,008,167 |  |  |
| 30-Jun-18 | 118,584 | 803,531 | 1,175,414 | 1,345,135 | 1,430,450 | 1,540,616 | 1,802,232 | 1,909,598 | 1,981,487 | 2,078,714 | 2,098,311 |  |  |  |  |
| 30-Jun-19 | 298,829 | 1,177,145 | 1,837,402 | 2,068,671 | 2,231,240 | 2,356,922 | 2,580,578 | 2,694,636 | 2,787,160 |  |  |  |  |  |  |
| 30-Jun-20 | 287,130 | 889,646 | 1,200,506 | 1,581,611 | 1,777,810 | 1,843,560 | 2,181,999 |  |  |  |  |  |  |  |  |
| 30-Jun-21 | 155,781 | 662,748 | 1,092,991 | 1,471,461 | 1,662,540 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 | 202,956 | 962,078 | 1,644,559 |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 | 375,041 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Age-to-Age Paid Development Factor

| Accident Year Ended | Age-to-Age Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 12/6 | 18/12 | 24/18 | 30/24 | 36/30 | 42/36 | 48/42 | 54/48 | 60/54 | 66/60 | 72/66 | 78/72 | 84/78 | 90/84 | 96/90 |
| 30-Jun-85 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-86 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-87 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-88 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-89 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-90 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-92 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.019 |
| 30-Jun-93 |  |  |  |  |  |  |  |  |  |  |  |  | 1.185 | 1.016 | 1.016 |
| 30-Jun-94 |  |  |  |  |  |  |  |  |  |  | 1.021 | 1.060 | 1.043 | 1.006 | 1.018 |
| 30-Jun-95 |  |  |  |  |  |  |  |  | 1.071 | 1.072 | 1.018 | 1.050 | 1.006 | 1.006 | 1.013 |
| 30-Jun-96 |  |  |  |  |  |  | 1.084 | 1.024 | 1.113 | 1.019 | 1.035 | 1.013 | 1.007 | 1.008 | 1.010 |
| 30-Jun-97 |  |  |  |  | 1.153 | 1.118 | 1.069 | 1.054 | 1.039 | 1.022 | 1.085 | 1.028 | 1.025 | 1.033 | 1.007 |
| 30-Jun-98 |  |  | 1.275 | 1.181 | 1.085 | 1.164 | 1.089 | 1.038 | 1.113 | 1.046 | 1.027 | 1.076 | 1.016 | 1.046 | 1.025 |
| 30-Jun-99 | 2.001 | 1.521 | 1.117 | 1.088 | 1.099 | 1.027 | 1.058 | 1.052 | 1.030 | 1.004 | 1.009 | 1.116 | 1.003 | 1.007 | 1.023 |
| 30-Jun-00 | 3.256 | 1.459 | 1.218 | 1.066 | 1.034 | 1.086 | 1.040 | 1.089 | 1.048 | 1.047 | 1.031 | 1.031 | 1.013 | 1.029 | 1.016 |
| 30-Jun-01 | 4.560 | 1.469 | 1.102 | 1.089 | 1.047 | 1.107 | 1.066 | 1.022 | 1.015 | 1.005 | 1.103 | 1.010 | 1.009 | 1.001 | 1.003 |
| 30-Jun-02 | 3.102 | 1.590 | 1.142 | 1.074 | 1.129 | 1.216 | 1.105 | 1.045 | 1.023 | 1.011 | 1.009 | 1.029 | 1.002 | 1.004 | 1.000 |
| 30-Jun-03 | 4.944 | 1.465 | 1.125 | 1.092 | 1.056 | 1.098 | 1.111 | 1.032 | 1.030 | 1.010 | 1.003 | 1.033 | 1.017 | 1.011 | 1.004 |
| 30-Jun-04 | 3.262 | 1.409 | 1.113 | 1.087 | 1.112 | 1.060 | 1.062 | 1.049 | 0.999 | 1.097 | 1.011 | 1.043 | 1.029 | 1.007 | 0.998 |
| $30-\mathrm{Jun}-05$ | 5.258 | 1.713 | 1.184 | 1.054 | 1.038 | 1.042 | 1.058 | 0.970 | 1.114 | 1.015 | 1.017 | 1.015 | 1.017 | 1.003 | 1.002 |
| 30-Jun-06 | 3.671 | 1.635 | 1.178 | 1.082 | 1.073 | 1.067 | 1.120 | 1.078 | 1.048 | 0.972 | 1.036 | 0.979 | 1.002 | 1.022 | 1.000 |
| 30-Jun-07 | 3.557 | 1.476 | 1.248 | 1.103 | 1.067 | 1.061 | 1.127 | 1.054 | 1.029 | 1.064 | 1.009 | 1.046 | 1.005 | 1.007 | 1.038 |
| 30-Jun-08 | 3.937 | 1.399 | 1.124 | 1.070 | 1.025 | 1.086 | 1.093 | 1.043 | 1.041 | 1.010 | 1.019 | 1.003 | 1.021 | 1.001 | 1.001 |
| 30-Jun-09 | 4.132 | 1.690 | 1.170 | 1.099 | 1.075 | 1.073 | 1.091 | 1.029 | 1.033 | 1.033 | 1.017 | 1.061 | 1.025 | 1.000 | 1.007 |
| 30-Jun-10 | 3.583 | 1.305 | 1.105 | 1.099 | 1.029 | 1.042 | 1.075 | 1.037 | 1.040 | 1.009 | 1.005 | 1.009 | 1.005 | 1.036 | 1.004 |
| 30-Jun-11 | 3.497 | 1.593 | 1.122 | 1.041 | 1.140 | 1.120 | 1.052 | 1.045 | 1.085 | 1.047 | 1.013 | 1.007 | 1.004 | 1.002 | 1.001 |
| 30-Jun-12 | 3.731 | 1.437 | 1.089 | 1.091 | 1.086 | 1.030 | 1.088 | 1.038 | 1.032 | 1.060 | 1.017 | 1.008 | 1.028 | 1.003 | 1.021 |
| 30-Jun-13 | 3.334 | 1.312 | 1.132 | 1.083 | 1.028 | 1.076 | 1.091 | 1.063 | 1.007 | 1.016 | 1.121 | 1.016 | 1.014 | 1.003 | 1.001 |
| 30-Jun-14 | 5.288 | 1.552 | 1.130 | 1.052 | 1.066 | 1.160 | 1.058 | 1.029 | 1.025 | 1.023 | 1.032 | 1.012 | 1.003 | 1.004 | 1.002 |
| 30-Jun-15 | 6.602 | 1.615 | 1.106 | 1.090 | 1.047 | 1.083 | 1.078 | 1.036 | 1.059 | 1.038 | 1.013 | 1.007 | 1.001 | 1.004 | 1.001 |
| 30-Jun-16 | 4.523 | 1.393 | 1.054 | 1.063 | 1.019 | 1.058 | 1.134 | 1.100 | 1.069 | 1.024 | 1.019 | 1.010 | 1.013 | 1.006 |  |
| 30-Jun-17 | 4.076 | 1.373 | 1.152 | 1.072 | 1.098 | 1.099 | 1.133 | 1.053 | 1.017 | 1.030 | 1.005 | 1.005 |  |  |  |
| 30-Jun-18 | 6.776 | 1.463 | 1.144 | 1.063 | 1.077 | 1.170 | 1.060 | 1.038 | 1.049 | 1.009 |  |  |  |  |  |
| 30-Jun-19 | 3.939 | 1.561 | 1.126 | 1.079 | 1.056 | 1.095 | 1.044 | 1.034 |  |  |  |  |  |  |  |
| 30-Jun-20 | 3.098 | 1.349 | 1.317 | 1.124 | 1.037 | 1.184 |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 | 4.254 | 1.649 | 1.346 | 1.130 |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 | 4.740 | 1.709 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 12/6 | 18/12 | 24/18 | 30/24 | 36/30 | 42/36 | 48/42 | 54/48 | 60/54 | 66/60 | 72/66 | 78/72 | 84/78 | 90/84 | 96/90 |
| Average - All | 4.130 | 1.506 | 1.159 | 1.086 | 1.070 | 1.097 | 1.083 | 1.044 | 1.047 | 1.028 | 1.028 | 1.028 | 1.021 | 1.011 | 1.009 |
| Average - 5 Yr . | 4.562 | 1.546 | 1.217 | 1.094 | 1.057 | 1.121 | 1.090 | 1.052 | 1.044 | 1.025 | 1.038 | 1.010 | 1.012 | 1.004 | 1.005 |
| Average - 3 Yr . | 4.031 | 1.569 | 1.263 | 1.111 | 1.057 | 1.149 | 1.079 | 1.042 | 1.045 | 1.021 | 1.012 | 1.007 | 1.006 | 1.005 | 1.001 |
| Avg Ex Hi/Low | 4.107 | 1.505 | 1.155 | 1.084 | 1.068 | 1.094 | 1.082 | 1.045 | 1.046 | 1.028 | 1.025 | 1.026 | 1.014 | 1.010 | 1.009 |
| Median | 3.938 | 1.472 | 1.131 | 1.085 | 1.066 | 1.086 | 1.081 | 1.040 | 1.040 | 1.022 | 1.018 | 1.015 | 1.013 | 1.006 | 1.005 |
| Weighted Avg. | 3.926 | 1.501 | 1.156 | 1.087 | 1.068 | 1.097 | 1.083 | 1.042 | 1.046 | 1.027 | 1.026 | 1.028 | 1.023 | 1.011 | 1.009 |
| Std. Dev. | 1.091 | 0.124 | 0.073 | 0.029 | 0.037 | 0.050 | 0.028 | 0.025 | 0.032 | 0.027 | 0.031 | 0.029 | 0.037 | 0.013 | 0.010 |
| Coef. of Var. | 0.264 | 0.082 | 0.063 | 0.027 | 0.035 | 0.046 | 0.026 | 0.024 | 0.031 | 0.026 | 0.030 | 0.029 | 0.036 | 0.013 | 0.010 |
| Annual Trend | 0.059 | 0.000 | 0.001 | 0.000 | -0.002 | 0.001 | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | -0.002 | -0.002 | -0.001 | -0.001 |
| Selected | 4.562 | 1.569 | 1.263 | 1.111 | 1.070 | 1.149 | 1.090 | 1.052 | 1.047 | 1.028 | 1.038 | 1.028 | 1.023 | 1.011 | 1.009 |
| Cumulative | 19.377 | 4.247 | 2.707 | 2.143 | 1.929 | 1.803 | 1.569 | 1.440 | 1.368 | 1.307 | 1.271 | 1.225 | 1.192 | 1.165 | 1.152 |
| Prior Selected | 4.562 | 1.520 | 1.263 | 1.089 | 1.070 | 1.121 | 1.090 | 1.063 | 1.047 | 1.031 | 1.038 | 1.029 | 1.023 | 1.012 | 1.009 |
| Prior Cumulative | 18.392 | 4.032 | 2.652 | 2.100 | 1.928 | 1.802 | 1.608 | 1.475 | 1.388 | 1.325 | 1.285 | 1.238 | 1.203 | 1.176 | 1.162 |

POOLED INSURANCE PROGRAM OF NEW JERSEY
Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Paid Development

| Accident Year Ended | I. Paid Losses plus Allocated Loss Adjustment Expenses (ALAE) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\underline{96}$ | 102 | 108 | 114 | $\underline{120}$ | $\underline{126}$ | 132 | 138 | 144 | 150 | $\underline{156}$ | 162 | 168 | 174 | $\underline{180}$ |
| 30-Jun-85 |  |  |  |  |  |  |  |  |  |  |  |  |  | 607,307 | 602,570 |
| 30-Jun-86 |  |  |  |  |  |  |  |  |  |  |  | 878,573 | 879,439 | 917,263 | 955,087 |
| 30-Jun-87 |  |  |  |  |  |  |  |  |  | 1,564,366 | 1,577,706 | 1,588,493 | 1,599,064 | 1,601,479 | 1,604,298 |
| 30-Jun-88 |  |  |  |  |  |  |  | 1,275,036 | 1,281,602 | 1,281,602 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 |
| 30-Jun-89 |  |  |  |  |  | 919,515 | 924,882 | 929,265 | 933,647 | 933,647 | 933,647 | 933,647 | 933,647 | 933,647 | 933,647 |
| 30-Jun-90 |  |  |  | 1,942,498 | 1,973,463 | 2,049,147 | 2,124,831 | 2,125,923 | 2,148,749 | 2,158,588 | 2,173,877 | 2,187,173 | 2,195,683 | 2,204,597 | 2,211,869 |
| 30-Jun-91 |  | 1,264,722 | 1,276,496 | 1,316,697 | 1,356,898 | 1,364,345 | 1,369,923 | 1,376,611 | 1,382,656 | 1,389,193 | 1,394,771 | 1,402,034 | 1,406,984 | 1,413,491 | 1,419,069 |
| 30-Jun-92 | 1,188,161 | 1,189,625 | 1,191,090 | 1,191,664 | 1,192,156 | 1,192,752 | 1,193,839 | 1,202,824 | 1,203,339 | 1,211,810 | 1,212,098 | 1,212,497 | 1,212,671 | 1,213,000 | 1,213,391 |
| 30-Jun-93 | 3,320,550 | 3,370,717 | 3,348,429 | 3,395,157 | 3,434,117 | 3,475,776 | 3,515,672 | 3,622,707 | 3,602,670 | 3,666,064 | 3,709,309 | 3,751,851 | 3,794,210 | 3,856,933 | 3,896,279 |
| 30-Jun-94 | 1,678,861 | 1,690,040 | 1,695,805 | 1,757,958 | 1,762,131 | 1,762,365 | 1,763,192 | 1,763,400 | 1,761,836 | 1,762,441 | 1,762,973 | 1,763,424 | 1,763,830 | 1,765,239 | 1,766,710 |
| 30-Jun-95 | 1,838,341 | 1,880,604 | 1,920,367 | 2,016,840 | 2,023,835 | 2,080,561 | 2,087,809 | 2,088,474 | 2,090,928 | 2,091,273 | 2,092,564 | 2,147,798 | 2,161,996 | 2,163,081 | 2,399,745 |
| 30-Jun-96 | 1,892,623 | 1,913,430 | 1,949,546 | 1,951,013 | 1,985,540 | 1,986,709 | 1,988,147 | 1,989,391 | 1,990,089 | 1,992,293 | 1,995,764 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 |
| 30-Jun-97 | 2,104,354 | 2,149,681 | 2,192,814 | 2,194,224 | 2,195,238 | 2,246,994 | 2,248,246 | 2,250,054 | 2,372,583 | 2,373,697 | 2,374,010 | 2,374,480 | 2,375,034 | 2,375,034 | 2,375,034 |
| 30-Jun-98 | 2,914,221 | 3,032,883 | 3,072,566 | 3,122,012 | 3,177,322 | 3,231,366 | 3,274,325 | 3,314,888 | 3,340,600 | 3,360,887 | 3,423,182 | 3,447,990 | 3,470,453 | 3,485,663 | 3,558,481 |
| 30-Jun-99 | 1,899,642 | 1,935,318 | 1,951,880 | 1,969,757 | 1,980,673 | 1,989,295 | 2,038,936 | 2,099,852 | 2,139,637 | 2,151,748 | 2,152,983 | 2,154,985 | 2,172,214 | 2,173,336 | 2,202,788 |
| 30-Jun-00 | 1,336,450 | 1,346,346 | 1,452,048 | 1,485,326 | 1,490,442 | 1,501,182 | 1,503,683 | 1,505,725 | 1,509,420 | 1,611,164 | 1,611,479 | 1,612,059 | 1,613,094 | 1,614,371 | 1,614,605 |
| 30-Jun-01 | 1,360,703 | 1,367,829 | 1,369,177 | 1,372,817 | 1,374,302 | 1,375,442 | 1,377,905 | 1,565,625 | 1,568,765 | 1,549,700 | 1,554,489 | 1,556,922 | 1,562,955 | 1,593,626 | 1,598,653 |
| 30-Jun-02 | 1,773,156 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 |
| 30-Jun-03 | 1,943,583 | 1,945,190 | 1,946,473 | 1,990,057 | 1,990,057 | 2,022,975 | 2,022,975 | 2,022,975 | 2,022,975 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 |
| 30-Jun-04 | 1,693,861 | 1,705,205 | 1,714,563 | 1,715,295 | 1,716,581 | 1,718,204 | 1,719,770 | 1,720,526 | 1,722,345 | 1,785,894 | 1,786,599 | 1,786,846 | 1,786,846 | 1,786,846 | 1,786,846 |
| 30-Jun-05 | 1,846,087 | 1,847,360 | 1,853,555 | 1,856,247 | 1,857,886 | 1,858,960 | 1,859,701 | 1,861,129 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 |
| 30-Jun-06 | 2,125,765 | 2,126,139 | 2,127,296 | 2,159,031 | 2,159,248 | 2,159,563 | 2,159,563 | 2,160,485 | 2,160,926 | 2,164,055 | 2,164,773 | 2,165,209 | 2,165,455 | 2,166,008 | 2,167,385 |
| 30-Jun-07 | 2,126,211 | 2,162,468 | 2,170,825 | 2,214,494 | 2,229,826 | 2,237,276 | 2,328,204 | 2,357,396 | 2,361,998 | 2,391,279 | 2,396,308 | 2,398,051 | 2,401,190 | 2,428,625 | 2,429,657 |
| 30-Jun-08 | 1,921,328 | 1,927,146 | 1,929,419 | 1,930,770 | 1,931,386 | 1,932,638 | 1,947,898 | 1,948,698 | 1,948,698 | 1,948,698 | 1,948,698 | 1,948,698 | 1,948,698 | 1,948,698 | 1,948,698 |
| 30-Jun-09 | 4,070,371 | 4,070,904 | 4,070,904 | 4,070,934 | 4,070,934 | 4,070,934 | 4,072,657 | 4,070,740 | 4,070,740 | 4,070,740 | 4,070,740 | 4,070,740 | 4,070,740 | 4,070,740 |  |
| 30-Jun-10 | 2,667,770 | 2,687,537 | 2,744,104 | 2,745,314 | 2,758,561 | 2,759,563 | 2,762,599 | 2,764,087 | 2,766,715 | 2,774,820 | 2,783,680 | 2,784,491 |  |  |  |
| 30-Jun-11 | 1,944,500 | 1,947,914 | 1,956,898 | 1,959,901 | 1,965,370 | 1,980,182 | 1,982,733 | 2,004,401 | 2,006,877 | 2,007,455 |  |  |  |  |  |
| 30-Jun-12 | 1,813,256 | 1,856,359 | 1,887,359 | 1,887,359 | 1,887,359 | 1,924,933 | 1,924,933 | 1,924,933 |  |  |  |  |  |  |  |
| 30-Jun-13 | 2,193,337 | 2,215,627 | 2,218,642 | 2,220,188 | 2,223,475 | 2,225,266 |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 | 3,086,607 | 3,095,212 | 3,097,593 | 3,098,659 |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 | 2,099,570 | 2,103,744 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 -Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Values in italics are the average of the prior and subsequent evaluations. Values in BOLD italics reflect a one-time correction to the historic losses.
II. Age-to-Age Paid Development Factors

| Accident | Age-to-Age Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year Ended | 102/96 | 108/102 | 114/108 | 120/114 | 126/120 | 132/126 | 138/132 | 144/138 | 150/144 | 156/150 | 162/156 | 168/162 | 174/168 | 180/174 | 186/180 |
| 30-Jun-85 |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.992 | 1.012 |
| 30-Jun-86 |  |  |  |  |  |  |  |  |  |  |  | 1.001 | 1.043 | 1.041 | 1.004 |
| 30-Jun-87 |  |  |  |  |  |  |  |  |  | 1.009 | 1.007 | 1.007 | 1.002 | 1.002 | 1.003 |
| 30-Jun-88 |  |  |  |  |  |  |  | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-89 |  |  |  |  |  | 1.006 | 1.005 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-90 |  |  |  | 1.016 | 1.038 | 1.037 | 1.001 | 1.011 | 1.005 | 1.007 | 1.006 | 1.004 | 1.004 | 1.003 | 1.003 |
| 30-Jun-91 |  | 1.009 | 1.031 | 1.031 | 1.005 | 1.004 | 1.005 | 1.004 | 1.005 | 1.004 | 1.005 | 1.004 | 1.005 | 1.004 | 1.005 |
| 30-Jun-92 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.001 | 1.008 | 1.000 | 1.007 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-93 | 1.015 | 0.993 | 1.014 | 1.011 | 1.012 | 1.011 | 1.030 | 0.994 | 1.018 | 1.012 | 1.011 | 1.011 | 1.017 | 1.010 | 1.012 |
| 30-Jun-94 | 1.007 | 1.003 | 1.037 | 1.002 | 1.000 | 1.000 | 1.000 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.000 |
| 30-Jun-95 | 1.023 | 1.021 | 1.050 | 1.003 | 1.028 | 1.003 | 1.000 | 1.001 | 1.000 | 1.001 | 1.026 | 1.007 | 1.001 | 1.109 | 1.000 |
| 30-Jun-96 | 1.011 | 1.019 | 1.001 | 1.018 | 1.001 | 1.001 | 1.001 | 1.000 | 1.001 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-97 | 1.022 | 1.020 | 1.001 | 1.000 | 1.024 | 1.001 | 1.001 | 1.054 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-98 | 1.041 | 1.013 | 1.016 | 1.018 | 1.017 | 1.013 | 1.012 | 1.008 | 1.006 | 1.019 | 1.007 | 1.007 | 1.004 | 1.021 | 1.008 |
| 30-Jun-99 | 1.019 | 1.009 | 1.009 | 1.006 | 1.004 | 1.025 | 1.030 | 1.019 | 1.006 | 1.001 | 1.001 | 1.008 | 1.001 | 1.014 | 1.001 |
| 30-Jun-00 | 1.007 | 1.079 | 1.023 | 1.003 | 1.007 | 1.002 | 1.001 | 1.002 | 1.067 | 1.000 | 1.000 | 1.001 | 1.001 | 1.000 | 1.003 |
| 30-Jun-01 | 1.005 | 1.001 | 1.003 | 1.001 | 1.001 | 1.002 | 1.136 | 1.002 | 0.988 | 1.003 | 1.002 | 1.004 | 1.020 | 1.003 | 1.000 |
| 30-Jun-02 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-03 | 1.001 | 1.001 | 1.022 | 1.000 | 1.017 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-04 | 1.007 | 1.005 | 1.000 | 1.001 | 1.001 | 1.001 | 1.000 | 1.001 | 1.037 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-05 | 1.001 | 1.003 | 1.001 | 1.001 | 1.001 | 1.000 | 1.001 | 1.018 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-06 | 1.000 | 1.001 | 1.015 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 |
| 30-Jun-07 | 1.017 | 1.004 | 1.020 | 1.007 | 1.003 | 1.041 | 1.013 | 1.002 | 1.012 | 1.002 | 1.001 | 1.001 | 1.011 | 1.000 | 1.000 |
| 30-Jun-08 | 1.003 | 1.001 | 1.001 | 1.000 | 1.001 | 1.008 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-09 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |
| 30-Jun-10 | 1.007 | 1.021 | 1.000 | 1.005 | 1.000 | 1.001 | 1.001 | 1.001 | 1.003 | 1.003 | 1.000 |  |  |  |  |
| 30-Jun-11 | 1.002 | 1.005 | 1.002 | 1.003 | 1.008 | 1.001 | 1.011 | 1.001 | 1.000 |  |  |  |  |  |  |
| 30-Jun-12 | 1.024 | 1.017 | 1.000 | 1.000 | 1.020 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |
| 30-Jun-13 | 1.010 | 1.001 | 1.001 | 1.001 | 1.001 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 | 1.003 | 1.001 | 1.000 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 | 1.002 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | 102/96 | 108/102 | 114/108 | 120/114 | 126/120 | 132/126 | 138/132 | 144/138 | 150/144 | 156/150 | 162/156 | 168/162 | 174/168 | 180/174 | 186/180 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Average - All | 1.009 | 1.010 | 1.010 | 1.005 | 1.008 | 1.007 | 1.011 | 1.005 | 1.007 | 1.003 | 1.003 | 1.002 | 1.005 | 1.008 | 1.002 |
| Average - 5 Yr . | 1.008 | 1.009 | 1.001 | 1.002 | 1.006 | 1.002 | 1.002 | 1.001 | 1.003 | 1.001 | 1.000 | 1.000 | 1.002 | 1.000 | 1.000 |
| Average - 3 Yr . | 1.005 | 1.006 | 1.000 | 1.001 | 1.009 | 1.001 | 1.004 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.004 | 1.000 | 1.000 |
| Avg Ex Hi/Low | 1.008 | 1.007 | 1.009 | 1.004 | 1.007 | 1.005 | 1.005 | 1.004 | 1.005 | 1.002 | 1.002 | 1.002 | 1.003 | 1.005 | 1.002 |
| Median | 1.007 | 1.004 | 1.001 | 1.002 | 1.002 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Weighted Avg. | 1.010 | 1.008 | 1.010 | 1.005 | 1.008 | 1.007 | 1.010 | 1.005 | 1.006 | 1.003 | 1.003 | 1.003 | 1.004 | 1.010 | 1.002 |
| Std. Dev. | 0.010 | 0.017 | 0.014 | 0.008 | 0.011 | 0.011 | 0.028 | 0.012 | 0.016 | 0.005 | 0.006 | 0.003 | 0.010 | 0.024 | 0.004 |
| Coef. of Var. | 0.010 | 0.017 | 0.014 | 0.008 | 0.011 | 0.011 | 0.028 | 0.012 | 0.016 | 0.005 | 0.006 | 0.003 | 0.010 | 0.023 | 0.004 |
| Annual Trend | 0.000 | 0.000 | -0.001 | -0.001 | -0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Selected | 1.010 | 1.010 | 1.010 | 1.005 | 1.009 | 1.002 | 1.002 | 1.001 | 1.003 | 1.001 | 1.000 | 1.000 | 1.002 | 1.000 | 1.000 |
| Cumulative | 1.142 | 1.131 | 1.119 | 1.108 | 1.103 | 1.093 | 1.091 | 1.089 | 1.087 | 1.084 | 1.083 | 1.083 | 1.083 | 1.081 | 1.081 |
| Prior Selected | 1.012 | 1.010 | 1.011 | 1.005 | 1.009 | 1.002 | 1.005 | 1.001 | 1.003 | 1.001 | 1.000 | 1.000 | 1.002 | 1.000 | 1.000 |
| Prior Cumulative | 1.152 | 1.138 | 1.127 | 1.115 | 1.109 | 1.099 | 1.097 | 1.092 | 1.091 | 1.087 | 1.086 | 1.086 | 1.086 | 1.084 | 1.084 |

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Paid Development

| Accident Year Ended | I. Paid Losses plus Allocated Loss Adjustment Expenses (ALAE) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | Deve | lopment Per | riod |  |  |  |  |  |  |
|  | 186 | 192 | 198 | $\underline{204}$ | $\underline{210}$ | $\underline{216}$ | $\underline{222}$ | $\underline{228}$ | $\underline{234}$ | $\underline{240}$ | $\underline{246}$ | $\underline{252}$ | $\underline{258}$ | $\underline{264}$ | $\underline{270}$ |
| 30-Jun-85 | 609,623 | 616,675 | 622,795 | 629,935 | 637,075 | 643,196 | 650,336 | 656,456 | 663,596 | 663,960 | 663,960 | 663,960 | 664,919 | 665,768 | 667,011 |
| 30-Jun-86 | 958,551 | 959,992 | 960,626 | 961,376 | 963,031 | 1,001,374 | 1,005,039 | 1,008,181 | 1,011,752 | 1,015,007 | 1,032,529 | 1,035,590 | 1,015,335 | 1,018,396 | 1,022,090 |
| 30-Jun-87 | 1,609,331 | 1,617,787 | 1,626,242 | 1,633,490 | 1,640,738 | 1,649,195 | 1,657,651 | 1,664,897 | 1,672,146 | 1,680,602 | 1,687,850 | 1,696,306 | 1,704,762 | 1,712,010 | 1,721,550 |
| 30-Jun-88 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 |
| 30-Jun-89 | 933,647 | 933,647 | 933,647 | 934,228 | 934,718 | 935,954 | 936,440 | 937,285 | 939,945 | 940,643 | 940,643 | 940,760 | 940,643 | 940,643 | 940,643 |
| 30-Jun-90 | 2,218,595 | 2,227,498 | 2,235,643 | 2,243,453 | 2,250,698 | 2,259,085 | 2,266,426 | 2,277,526 | 2,290,217 | 2,305,980 | 2,317,723 | 2,329,802 | 2,340,300 | 2,360,016 | 2,382,445 |
| 30-Jun-91 | 1,425,576 | 1,431,153 | 1,437,661 | 1,443,717 | 1,451,179 | 1,457,771 | 1,464,793 | 1,472,665 | 1,479,204 | 1,491,496 | 1,497,073 | 1,503,580 | 1,509,158 | 1,515,665 | 1,521,242 |
| 30-Jun-92 | 1,213,687 | 1,214,058 | 1,214,852 | 1,215,611 | 1,216,201 | 1,217,327 | 1,217,889 | 1,218,051 | 1,219,265 | 1,220,306 | 1,221,552 | 1,223,217 | 1,224,290 | 1,224,583 | 1,225,266 |
| 30-Jun-93 | 3,941,992 | 3,980,419 | 4,023,166 | 4,064,639 | 4,106,616 | 4,301,007 | 4,382,038 | 4,434,108 | 4,490,716 | 4,543,849 | 4,594,412 | 4,622,886 | 4,675,076 | 4,724,216 | 4,784,016 |
| 30-Jun-94 | 1,767,529 | 1,768,092 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 |
| 30-Jun-95 | 2,399,744 | 2,399,744 | 2,410,870 | 2,424,800 | 2,439,116 | 2,441,793 | 2,443,720 | 2,449,824 | 2,452,864 | 2,444,858 | 2,461,406 | 2,471,984 | 2,490,058 | 2,494,026 | 2,500,594 |
| 30-Jun-96 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 |
| 30-Jun-97 | 2,375,034 | 2,375,034 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 |
| 30-Jun-98 | 3,586,366 | 3,622,061 | 3,667,915 | 3,696,662 | 3,729,800 | 3,754,372 | 3,785,663 | 3,848,809 | 3,870,833 | 3,930,075 | 3,968,479 | 3,989,526 | 4,018,480 | 4,047,030 | 4,080,466 |
| 30-Jun-99 | 2,205,884 | 2,208,085 | 2,216,473 | 2,220,723 | 2,221,589 | 2,223,388 | 2,239,701 | 2,258,848 | 2,260,477 | 2,262,092 | 2,262,092 | 2,262,382 | 2,262,382 | 2,262,382 | 2,262,382 |
| 30-Jun-00 | 1,620,141 | 1,623,311 | 1,625,063 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 | 1,637,844 |
| 30-Jun-01 | 1,598,653 | 1,610,068 | 1,610,068 | 1,610,068 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 | 1,610,845 |
| 30-Jun-02 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 | 1,773,186 |  |  |
| 30-Jun-03 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 | 2,022,489 |  |  |  |  |
| 30-Jun-04 | 1,786,846 | 1,786,846 | 1,786,846 | 1,786,846 | 1,786,846 | 1,786,846 | 1,786,846 | 1,786,846 | 1,786,846 |  |  |  |  |  |  |
| $30-J u n-05$ | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 | 1,895,326 |  |  |  |  |  |  |  |  |
| 30-Jun-06 | 2,168,190 | 2,168,190 | 2,168,190 | 2,168,190 | 2,168,190 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 | 2,430,477 | 2,437,821 | 2,442,742 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 | 1,948,698 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 1,948,69 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Values in italics are the average of the prior and subsequent evaluations. Values in BOLD italics reflect a one-time correction to the historic losses.

\section*{| $\begin{array}{c}\text { Accident } \\ \text { Year Ended } \\ \text { En-Jun-85 } \\ \text { 30-Jun-86 } \\ \text { 30-Jun-87 } \\ \text { 30-Jun-88 } \\ \text { 30-Jun-89 } \\ \text { 30-Jun-90 } \\ \text { 30-Jun-91 } \\ \text { 30-Jun-92 } \\ \text { 30-Jun-93 } \\ \text { 30-Jun-94 } \\ \text { 30-Jun-95 } \\ \text { 30-Jun-96 } \\ \text { 30-Jun-97 } \\ \text { 30-Jun-98 } \\ \text { 30-Jun-99 } \\ \text { 30-Jun-00 } \\ \text { 30-Jun-01 } \\ \text { 30-Jun-02 } \\ \text { 30-Jun-03 } \\ \text { 30-Jun-04 } \\ \text { 30-Jun-05 } \\ \text { 30-Jun-06 } \\ \text { 30-Jun-07 } \\ \text { 30-Jun-08 } \\ \text { 30-Jun-09 } \\ \text { 30-Jun-10 } \\ \text { 30-Jun-11 } \\ \text { 30-Jun-12 } \\ \text { 30-Jun-13 } \\ \text { 30-Jun-14 } \\ \text { 30-Jun-15 } \\ \text { 30-Jun-16 } \\ \text { 30-Jun-17 } \\ \text { 30-Jun-18 } \\ \text { 30-Jun-19 } \\ \text { 30-Jun-20 } \\ \text { 30-Jun-21 } \\ \text { 30-Jun-22 }\end{array}$ |
| :---: |}

II. Age-to-Age Paid Development Factors

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $192 / 186$ | $\underline{198 / 192}$ | $\underline{204 / 198}$ | $\underline{210 / 204}$ | $\underline{216 / 210}$ | $\underline{222 / 216}$ | $\underline{228 / 222}$ | $\underline{\underline{234 / 228}}$ |
| $\underline{ }$ |  | $\underline{240}$ |  |  |  |  |  |


|  | 192/186 | 198/192 | 204/198 | 210/204 | 216/210 | 222/216 | 228/222 | 234/228 | 240/234 | 246/240 | 252/246 | 258/252 | 264/258 | 270/264 | 276/270 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Average - All | 1.003 | 1.003 | 1.003 | 1.002 | 1.006 | 1.003 | 1.003 | 1.003 | 1.003 | 1.003 | 1.002 | 1.001 | 1.002 | 1.003 | 1.004 |
| Average - 5 Yr . | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.001 | 1.002 | 1.001 |
| Average - 3 Yr . | 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 | 1.001 |
| Avg Ex Hi/Low | 1.002 | 1.003 | 1.002 | 1.002 | 1.004 | 1.002 | 1.003 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 |
| Median | 1.000 | 1.001 | 1.001 | 1.000 | 1.001 | 1.000 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 |
| Weighted Avg. | 1.003 | 1.004 | 1.003 | 1.003 | 1.007 | 1.004 | 1.005 | 1.003 | 1.004 | 1.004 | 1.003 | 1.003 | 1.004 | 1.004 | 1.004 |
| Std. Dev. | 0.004 | 0.004 | 0.004 | 0.004 | 0.013 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.002 | 0.006 | 0.003 | 0.004 | 0.008 |
| Coef. of Var. | 0.004 | 0.004 | 0.004 | 0.004 | 0.013 | 0.005 | 0.005 | 0.004 | 0.005 | 0.005 | 0.002 | 0.006 | 0.003 | 0.004 | 0.008 |
| Annual Trend | 0.000 | 0.000 | 0.000 | 0.000 | -0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Selected | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 | 1.001 | 1.002 | 1.001 |
| Cumulative | 1.081 | 1.080 | 1.080 | 1.080 | 1.080 | 1.080 | 1.080 | 1.080 | 1.080 | 1.080 | 1.080 | 1.079 | 1.078 | 1.077 | 1.074 |
| Prior Selected | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.002 | 1.001 | 1.001 | 1.001 | 1.002 | 1.001 |
| Prior Cumulative | 1.084 | 1.083 | 1.083 | 1.083 | 1.083 | 1.083 | 1.083 | 1.083 | 1.083 | 1.083 | 1.081 | 1.080 | 1.079 | 1.078 | 1.076 |

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Paid Development

| Accident Year Ended | I. Paid Losses plus Allocated Loss Adjustment Expenses (ALAE) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\underline{276}$ | $\underline{282}$ | $\underline{288}$ | $\underline{294}$ | 300 | 306 | 312 | 318 | 324 | 330 | 336 | 342 | 348 | 354 | 360 |
| 30-Jun-85 | 669,945 | 671,438 | 672,531 | 674,313 | 675,570 | 677,573 | 679,752 | 680,915 | 681,642 | 683,979 | 690,423 | 692,242 | 693,735 | 703,225 | 703,225 |
| 30-Jun-86 | 1,025,152 | 1,042,562 | 1,043,855 | 1,044,407 | 1,044,407 | 1,044,544 | 1,044,544 | 1,044,723 | 1,044,723 | 1,044,869 | 1,044,869 | 1,045,048 | 1,045,048 | 1,075,367 | 1,075,802 |
| 30-Jun-87 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 |
| 30-Jun-88 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,602 | 1,281,602 |
| 30-Jun-89 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 |
| 30-Jun-90 | 2,392,352 | 2,409,120 | 2,429,499 | 2,443,094 | 2,459,606 | 2,473,067 | 2,482,927 | 2,495,722 | 2,502,301 | 2,509,977 | 2,516,557 | 2,524,232 | 2,531,908 | 2,538,487 | 2,545,066 |
| 30-Jun-91 | 1,528,348 | 1,533,926 | 1,540,833 | 1,546,411 | 1,552,918 | 1,559,725 | 1,565,303 | 1,572,022 | 1,577,600 | 1,584,107 | 1,589,684 | 1,596,192 | 1,601,769 | 1,608,276 | 1,613,854 |
| 30-Jun-92 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 | 1,262,390 |
| 30-Jun-93 | 4,836,565 | 4,888,325 | 4,951,372 | 5,005,079 | 5,058,758 | 5,109,128 | 5,169,903 | 5,286,574 | 5,342,702 | 5,405,882 | 5,453,187 | 5,522,233 | 5,591,839 | 5,649,147 | 5,756,755 |
| 30-Jun-94 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 | 1,779,090 |  |
| 30-Jun-95 | 2,505,185 | 2,540,798 | 2,550,923 | 2,555,296 | 2,562,517 | 2,569,378 | 2,577,994 | 2,586,803 | 2,592,197 | 2,618,275 | 2,618,798 | 2,618,798 |  |  |  |
| 30-Jun-96 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 | 1,996,338 |  |  |  |  |  |
| 30-Jun-97 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 | 2,374,715 |  |  |  |  |  |  |  |
| 30-Jun-98 | 4,096,220 | 4,113,477 | 4,179,171 | 4,302,840 | 4,395,220 | 4,450,468 |  |  |  |  |  |  |  |  |  |
| 30-Jun-99 | 2,262,382 | 2,262,382 | 2,262,382 | 2,262,382 |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-00 | 1,637,844 | 1,637,844 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 30-J u n-03 \\ & 30-J u n-04 \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $30-J u n-10$$30-J u n-11$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 30-\text {-Jun-14 } \\ & \text { 30-Jun-15 } \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $30-J u n-17$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Values in italics are the average of the prior and subsequent evaluations. Values in BOLD italics reflect a one-time correction to the historic losses. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accident | II. Age-to-Age Paid Development Factors |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Age-to-Age Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Year Ended | 282/276 | 288/282 | 294/288 | 300/294 | 306/300 | 312/306 | 318/312 | 324/318 | 330/324 | 336/330 | 342/336 | 348/342 | 354/348 | 360/354 | 366/360 |
| 30-Jun-85 | 1.002 | 1.002 | 1.003 | 1.002 | 1.003 | 1.003 | 1.002 | 1.001 | 1.003 | 1.009 | 1.003 | 1.002 | 1.014 | 1.000 | 1.000 |
| 30-Jun-86 | 1.017 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.029 | 1.000 | 1.038 |
| $30-\mathrm{Jun}$-87 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-88 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-89 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-90 | 1.007 | 1.008 | 1.006 | 1.007 | 1.005 | 1.004 | 1.005 | 1.003 | 1.003 | 1.003 | 1.003 | 1.003 | 1.003 | 1.003 | 1.003 |
| 30-Jun-91 | 1.004 | 1.005 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.003 | 1.004 | 1.003 | 1.004 |
| 30-Jun-92 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 30-Jun-93 | 1.011 | 1.013 | 1.011 | 1.011 | 1.010 | 1.012 | 1.023 | 1.011 | 1.012 | 1.009 | 1.013 | 1.013 | 1.010 | 1.019 | 1.011 |
| 30-Jun-94 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |
| 30-Jun-95 | 1.014 | 1.004 | 1.002 | 1.003 | 1.003 | 1.003 | 1.003 | 1.002 | 1.010 | 1.000 | 1.000 |  |  |  |  |
| 30-Jun-96 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |
| $30-\mathrm{Jun}-97$ | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |
| 30-Jun-98 | 1.004 | 1.016 | 1.030 | 1.021 | 1.013 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-99 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-00 | 1.000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | 282/276 | 288/282 | 294/288 | 300/294 | 306/300 | 312/306 | 318/312 | 324/318 | 330/324 | 336/330 | 342/336 | 348/342 | 354/348 | 360/354 | 366/360 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Average - All | 1.004 | 1.003 | 1.004 | 1.003 | 1.003 | 1.002 | 1.003 | 1.002 | 1.003 | 1.002 | 1.002 | 1.002 | 1.006 | 1.003 | 1.006 |
| Average - 5 Yr . | 1.001 | 1.004 | 1.006 | 1.005 | 1.003 | 1.003 | 1.005 | 1.003 | 1.004 | 1.002 | 1.003 | 1.004 | 1.003 | 1.005 | 1.004 |
| Average - 3 Yr . | 1.001 | 1.005 | 1.010 | 1.007 | 1.004 | 1.001 | 1.001 | 1.001 | 1.003 | 1.003 | 1.004 | 1.004 | 1.003 | 1.008 | 1.005 |
| Avg Ex Hi/Low | 1.003 | 1.003 | 1.002 | 1.002 | 1.002 | 1.001 | 1.001 | 1.001 | 1.002 | 1.002 | 1.001 | 1.001 | 1.004 | 1.001 | 1.003 |
| Median | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 |
| Weighted Avg. | 1.005 | 1.005 | 1.007 | 1.006 | 1.005 | 1.004 | 1.006 | 1.003 | 1.005 | 1.003 | 1.004 | 1.005 | 1.006 | 1.007 | 1.007 |
| Std. Dev. | 0.006 | 0.005 | 0.008 | 0.006 | 0.004 | 0.003 | 0.006 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.009 | 0.006 | 0.013 |
| Coef. of Var. | 0.006 | 0.005 | 0.008 | 0.006 | 0.004 | 0.003 | 0.006 | 0.003 | 0.004 | 0.004 | 0.004 | 0.004 | 0.009 | 0.006 | 0.013 |
| Annual Trend | 0.000 | 0.000 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -0.001 | 0.001 | -0.001 |
| Selected | 1.001 | 1.004 | 1.006 | 1.005 | 1.003 | 1.003 | 1.005 | 1.003 | 1.004 | 1.002 | 1.003 | 1.004 | 1.003 | 1.005 | 1.004 |
| Cumulative | 1.073 | 1.072 | 1.068 | 1.062 | 1.056 | 1.053 | 1.050 | 1.045 | 1.042 | 1.038 | 1.036 | 1.032 | 1.028 | 1.025 | 1.020 |
| Prior Selected | 1.004 | 1.004 | 1.006 | 1.005 | 1.003 | 1.003 | 1.005 | 1.003 | 1.005 | 1.002 | 1.004 | 1.004 | 1.003 | 1.005 | 1.001 |
| Prior Cumulative | 1.074 | 1.070 | 1.066 | 1.060 | 1.054 | 1.051 | 1.048 | 1.043 | 1.040 | 1.034 | 1.032 | 1.028 | 1.024 | 1.021 | 1.016 |

Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Projection of Ultimate Losses and ALAE Net of Salvage \& Subrogation based upon Paid Development

| AccidentYear Ended | I. Paid Losses plus Allocated Loss Adjustment Expenses (ALAE) Development |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\underline{366}$ | 372 | 378 | 384 | 390 | 396 | 402 | 408 | 414 | $\underline{420}$ | 426 | 432 | 438 | 444 | 450 | 456 | 462 |


| 30-Jun-85 | 703,225 | 703,225 | 703,225 | 703,225 | 703,225 | 703,514 | 703,552 | 703,552 | 703,552 | 703,552 | 703,552 | 703,552 | 703,551 | 703,551 | 703,551 | 703,551 | 703,551 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30-Jun-86 | 1,117,069 | 1,117,069 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 | 1,117,238 |  |  |
| 30-Jun-87 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 | 1,721,550 |  |  |  |  |
| 30-Jun-88 | 1,281,602 | 1,281,602 | 1,281,602 | 1,281,602 | 1,281,602 | 1,281,602 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 | 1,281,603 |  |  |  |  |  |  |
| 30-Jun-89 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 | 940,643 |  |  |  |  |  |  |  |  |
| 30-Jun-90 | 2,552,742 | 2,559,321 | 2,566,997 | 2,573,576 | 2,581,251 | 2,588,927 | 2,595,506 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-91 | 1,620,361 | 1,625,939 | 1,632,446 | 1,638,024 | 1,644,531 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-92 | 1,262,390 | 1,262,390 | 1,262,390 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $30-\mathrm{Jun}$-93 | 5,821,876 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $30-J u n-94$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-95 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-96 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-97 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-98 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-99 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-00 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



| Accident <br> Year Ended |
| :---: |
| 30-Jun-85 |
| 30-Jun-86 |
| 30-Jun-87 |
| 30-Jun-88 |
| 30-Jun-89 |
| 30-Jun-90 |
| 30-Jn-91 |
| 30-Jun-92 |
| 30-Jun-93 |
| 30-Jun-94 |
| 30-Jun-95 |
| 30-Jun-96 |
| 30-Jun-97 |
| 30-Jun-98 |
| 30-Jun-99 |
| 30-Jun-00 |
| 30-Jun-01 |
| 30--Jun-02 |
| 30-Jun-03 |
| 30-Jun-04 |
| 30-Jun-05 |
| 30-Jun-06 |
| 30-Jun-07 |
| 30-Jun-08 |
| 30--Jun-09 |
| 30-Jun-10 |
| 30-Jun-11 |
| 30-Jun-12 |
| 30-Jun-13 |
| 30-Jun-14 |
| 30-Jun-15 |
| 30-Jun-16 |
| 30-Jun-17 |
| 30-Jun-18 |
| 30-Jun-19 |
| 30-Jun-20 |
| 30-Jun-21 |
| 30-Jun-22 |

II. Age-to-Age Paid Development Factors

| Age-to-Age Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 372/366 | 378/372 | 384/378 | 390/384 | 396/390 | 402/396 | 408/402 | 414/408 | 420/414 | 426/420 | 432/426 | 438/432 | 444/438 | 450/444 | 456/450 | 462/456 |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |
| 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |  |  |  |  |  |  |  |
| 1.003 | 1.003 | 1.003 | 1.003 | 1.003 | 1.003 |  |  |  |  |  |  |  |  |  |  |
| 1.003 | 1.004 | 1.003 | 1.004 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.000 | 1.000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | 372/366 | 378/372 | 384/378 | 390/384 | 396/390 | 402/396 | 408/402 | 414/408 | 420/414 | 426/420 | 432/426 | 438/432 | 444/438 | 450/444 | 456/450 | Tail |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Average - All | 1.001 | 1.001 | 1.001 | 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 |  |
| Average - 5 Yr . | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |
| Average - 3 Yr . | 1.002 | 1.002 | 1.002 | 1.002 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |
| Avg Ex Hi/Low | 1.000 | 1.001 | 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 |  |
| Median | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |
| Weighted Avg. | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |  |
| Std. Dev. | 0.001 | 0.002 | 0.001 | 0.002 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |
| Coef. of Var. | 0.001 | 0.002 | 0.001 | 0.002 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |
| Annual Trend | 0.000 | 0.000 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |  |  |  |
| Selected | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.010 |
| Cumulative | 1.016 | 1.015 | 1.014 | 1.013 | 1.012 | 1.011 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 |
| Prior Selected | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.010 |  |
| Prior Cumulative | 1.015 | 1.014 | 1.013 | 1.012 | 1.011 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 | 1.010 |  |

Appendix B, Sheet 5


POOLED INSURANCE PROGRAM OF NEW JERSEY
Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Ratio of Paid to Incurred Losses and ALAE (000's)

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Accident Year Ended} \& \multicolumn{15}{|l|}{I. Paid Losses plus Allocated Loss Adjustment Expenses (ALAE)} <br>
\hline \& \& \& \& \& \& \& \& $\frac{138}{}{ }^{\text {opment }}$ \& \& \& \& \& \& \& <br>
\hline $$
\frac{\text { Year Ended }}{30 \text {-Jun-85 }}
$$ \& $\underline{96}$ \& 102 \& 108 \& 114 \& 120 \& 126 \& 132 \& 138 \& 144 \& 150 \& 156 \& 162 \& 168 \& $\frac{174}{\$ 607}$ \& $\frac{180}{\$ 603}$ <br>
\hline 30-Jun-86 \& \& \& \& \& \& \& \& \& \& \& \& \$879 \& \$879 \& \$917 \& \$955 <br>
\hline 30-Jun-87 \& \& \& \& \& \& \& \& \& \& \$1,564 \& \$1,578 \& \$1,588 \& \$1,599 \& \$1,601 \& \$1,604 <br>
\hline 30-Jun-88 \& \& \& \& \& \& \& \& \$1,275 \& \$1,282 \& \$1,282 \& \$1,282 \& \$1,282 \& \$1,282 \& \$1,282 \& \$1,282 <br>
\hline 30-Jun-89 \& \& \& \& \& \& \$920 \& \$925 \& \$929 \& \$934 \& \$934 \& \$934 \& \$934 \& \$934 \& \$934 \& \$934 <br>
\hline 30-Jun-90 \& \& \& \& \$1,942 \& \$1,973 \& \$2,049 \& \$2,125 \& \$2,126 \& \$2,149 \& \$2,159 \& \$2,174 \& \$2,187 \& \$2,196 \& \$2,205 \& \$2,212 <br>
\hline 30-Jun-91 \& \& \$1,265 \& \$1,276 \& \$1,317 \& \$1,357 \& \$1,364 \& \$1,370 \& \$1,377 \& \$1,383 \& \$1,389 \& \$1,395 \& \$1,402 \& \$1,407 \& \$1,413 \& \$1,419 <br>
\hline 30-Jun-92 \& \$1,188 \& \$1,190 \& \$1,191 \& \$1,192 \& \$1,192 \& \$1,193 \& \$1,194 \& \$1,203 \& \$1,203 \& \$1,212 \& \$1,212 \& \$1,212 \& \$1,213 \& \$1,213 \& \$1,213 <br>
\hline 30-Jun-93 \& \$3,321 \& \$3,371 \& \$3,348 \& \$3,395 \& \$3,434 \& \$3,476 \& \$3,516 \& \$3,623 \& \$3,603 \& \$3,666 \& \$3,709 \& \$3,752 \& \$3,794 \& \$3,857 \& \$3,896 <br>
\hline 30-Jun-94 \& \$1,679 \& \$1,690 \& \$1,696 \& \$1,758 \& \$1,762 \& \$1,762 \& \$1,763 \& \$1,763 \& \$1,762 \& \$1,762 \& \$1,763 \& \$1,763 \& \$1,764 \& \$1,765 \& \$1,767 <br>
\hline 30-Jun-95 \& \$1,838 \& \$1,881 \& \$1,920 \& \$2,017 \& \$2,024 \& \$2,081 \& \$2,088 \& \$2,088 \& \$2,091 \& \$2,091 \& \$2,093 \& \$2,148 \& \$2,162 \& \$2,163 \& \$2,400 <br>
\hline 30-Jun-96 \& \$1,893 \& \$1,913 \& \$1,950 \& \$1,951 \& \$1,986 \& \$1,987 \& \$1,988 \& \$1,989 \& \$1,990 \& \$1,992 \& \$1,996 \& \$1,996 \& \$1,996 \& \$1,996 \& \$1,996 <br>
\hline 30-Jun-97 \& \$2,104 \& \$2,150 \& \$2,193 \& \$2,194 \& \$2,195 \& \$2,247 \& \$2,248 \& \$2,250 \& \$2,373 \& \$2,374 \& \$2,374 \& \$2,374 \& \$2,375 \& \$2,375 \& \$2,375 <br>
\hline 30-Jun-98 \& \$2,914 \& \$3,033 \& \$3,073 \& \$3,122 \& \$3,177 \& \$3,231 \& \$3,274 \& \$3,315 \& \$3,341 \& \$3,361 \& \$3,423 \& \$3,448 \& \$3,470 \& \$3,486 \& \$3,558 <br>
\hline 30-Jun-99 \& \$1,900 \& \$1,935 \& \$1,952 \& \$1,970 \& \$1,981 \& \$1,989 \& \$2,039 \& \$2,100 \& \$2,140 \& \$2,152 \& \$2,153 \& \$2,155 \& \$2,172 \& \$2,173 \& \$2,203 <br>
\hline 30-Jun-00 \& \$1,336 \& \$1,346 \& \$1,452 \& \$1,485 \& \$1,490 \& \$1,501 \& \$1,504 \& \$1,506 \& \$1,509 \& \$1,611 \& \$1,611 \& \$1,612 \& \$1,613 \& \$1,614 \& \$1,615 <br>
\hline 30-Jun-01 \& \$1,361 \& \$1,368 \& \$1,369 \& \$1,373 \& \$1,374 \& \$1,375 \& \$1,378 \& \$1,566 \& \$1,569 \& \$1,550 \& \$1,554 \& \$1,557 \& \$1,563 \& \$1,594 \& \$1,599 <br>
\hline 30-Jun-02 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 \& \$1,773 <br>
\hline 30-Jun-03 \& \$1,944 \& \$1,945 \& \$1,946 \& \$1,990 \& \$1,990 \& \$2,023 \& \$2,023 \& \$2,023 \& \$2,023 \& \$2,022 \& \$2,022 \& \$2,022 \& \$2,022 \& \$2,022 \& \$2,022 <br>
\hline 30-Jun-04 \& \$1,694 \& \$1,705 \& \$1,715 \& \$1,715 \& \$1,717 \& \$1,718 \& \$1,720 \& \$1,721 \& \$1,722 \& \$1,786 \& \$1,787 \& \$1,787 \& \$1,787 \& \$1,787 \& \$1,787 <br>
\hline 30-Jun-05 \& \$1,846 \& \$1,847 \& \$1,854 \& \$1,856 \& \$1,858 \& \$1,859 \& \$1,860 \& \$1,861 \& \$1,895 \& \$1,895 \& \$1,895 \& \$1,895 \& \$1,895 \& \$1,895 \& \$1,895 <br>
\hline 30-Jun-06 \& \$2,126 \& \$2,126 \& \$2,127 \& \$2,159 \& \$2,159 \& \$2,160 \& \$2,160 \& \$2,160 \& \$2,161 \& \$2,164 \& \$2,165 \& \$2,165 \& \$2,165 \& \$2,166 \& \$2,167 <br>
\hline 30-Jun-07 \& \$2,126 \& \$2,162 \& \$2,171 \& \$2,214 \& \$2,230 \& \$2,237 \& \$2,328 \& \$2,357 \& \$2,362 \& \$2,391 \& \$2,396 \& \$2,398 \& \$2,401 \& \$2,429 \& \$2,430 <br>
\hline 30-Jun-08 \& \$1,921 \& \$1,927 \& \$1,929 \& \$1,931 \& \$1,931 \& \$1,933 \& \$1,948 \& \$1,949 \& \$1,949 \& \$1,949 \& \$1,949 \& \$1,949 \& \$1,949 \& \$1,949 \& \$1,949 <br>
\hline 30-Jun-09 \& \$4,070 \& \$4,071 \& \$4,071 \& \$4,071 \& \$4,071 \& \$4,071 \& \$4,073 \& \$4,071 \& \$4,071 \& \$4,071 \& \$4,071 \& \$4,071 \& \$4,071 \& \$4,071 \& <br>
\hline 30-Jun-10 \& \$2,668 \& \$2,688 \& \$2,744 \& \$2,745 \& \$2,759 \& \$2,760 \& \$2,763 \& \$2,764 \& \$2,767 \& \$2,775 \& \$2,784 \& \$2,784 \& \& \& <br>
\hline 30-Jun-11 \& \$1,944 \& \$1,948 \& \$1,957 \& \$1,960 \& \$1,965 \& \$1,980 \& \$1,983 \& \$2,004 \& \$2,007 \& \$2,007 \& \& \& \& \& <br>
\hline 30-Jun-12 \& \$1,813 \& \$1,856 \& \$1,887 \& \$1,887 \& \$1,887 \& \$1,925 \& \$1,925 \& \$1,925 \& \& \& \& \& \& \& <br>
\hline 30-Jun-13 \& \$2,193 \& \$2,216 \& \$2,219 \& \$2,220 \& \$2,223 \& \$2,225 \& \& \& \& \& \& \& \& \& <br>
\hline 30-Jun-14 \& \$3,087 \& \$3,095 \& \$3,098 \& \$3,099 \& \& \& \& \& \& \& \& \& \& \& <br>
\hline \multicolumn{16}{|l|}{\multirow[t]{2}{*}{30-Jun-16

30-Jun-15}} <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline \multicolumn{16}{|l|}{30-Jun-17} <br>
\hline \multicolumn{16}{|l|}{30-Jun-18} <br>

\hline \multicolumn{16}{|l|}{\multirow[t]{2}{*}{$$
\begin{aligned}
& 30 \text {-Jun-19 } \\
& \text { 30-Jun-20 }
\end{aligned}
$$}} <br>

\hline \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline \multicolumn{16}{|l|}{30-Jun-21} <br>
\hline 30-Jun-22 \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline 31-Dec-22 \& \& \& \& \& \& \& \& \& \& \& \& \& \& \& <br>
\hline
\end{tabular}

|  | II. Incurred Losses plus Allocated Loss Adjustment Expenses (ALAE) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\frac{\text { Year Ended }}{30 \text {-Jun-85 }}$ | $\underline{96}$ | 102 | 108 | 114 | 120 | 126 | 132 | 138 | 144 | $\underline{150}$ | $\underline{156}$ | 162 | 168 | $\frac{174}{\$ 641}$ | $\frac{180}{\$ 629}$ |
| 30-Jun-86 |  |  |  |  |  |  |  |  |  |  |  | \$918 | \$945 | \$966 | \$986 |
| 30-Jun-87 |  |  |  |  |  |  |  |  |  | \$1,772 | \$1,789 | \$1,766 | \$1,743 | \$1,743 | \$1,743 |
| 30-Jun-88 |  |  |  |  |  |  |  | \$1,275 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 |
| 30-Jun-89 |  |  |  |  |  | \$926 | \$930 | \$932 | \$934 | \$934 | \$934 | \$934 | \$934 | \$934 | \$934 |
| 30-Jun-90 |  |  |  | \$2,376 | \$2,609 | \$2,620 | \$2,631 | \$2,633 | \$2,635 | \$2,630 | \$2,632 | \$2,638 | \$2,638 | \$2,584 | \$2,584 |
| 30-Jun-91 |  | \$1,352 | \$1,353 | \$1,381 | \$1,409 | \$1,410 | \$1,410 | \$1,404 | \$1,404 | \$1,404 | \$1,404 | \$1,405 | \$1,458 | \$1,457 | \$1,457 |
| 30-Jun-92 | \$1,241 | \$1,253 | \$1,265 | \$1,247 | \$1,257 | \$1,257 | \$1,251 | \$1,247 | \$1,247 | \$1,229 | \$1,229 | \$1,229 | \$1,229 | \$1,231 | \$1,231 |
| 30-Jun-93 | \$8,155 | \$8,159 | \$8,165 | \$8,178 | \$8,182 | \$8,184 | \$8,193 | \$8,161 | \$8,211 | \$8,211 | \$8,333 | \$8,378 | \$8,402 | \$8,502 | \$8,646 |
| 30-Jun-94 | \$1,708 | \$1,865 | \$1,860 | \$1,767 | \$1,762 | \$1,763 | \$1,763 | \$1,763 | \$1,764 | \$1,764 | \$1,763 | \$1,763 | \$1,794 | \$1,794 | \$1,795 |
| 30-Jun-95 | \$2,249 | \$2,235 | \$2,237 | \$2,282 | \$2,282 | \$2,280 | \$2,287 | \$2,287 | \$2,287 | \$2,287 | \$2,288 | \$2,288 | \$2,288 | \$2,393 | \$2,734 |
| 30-Jun-96 | \$2,079 | \$2,080 | \$2,008 | \$2,008 | \$2,017 | \$2,017 | \$2,021 | \$2,033 | \$2,033 | \$2,033 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 |
| 30-Jun-97 | \$2,377 | \$2,373 | \$2,335 | \$2,377 | \$2,378 | \$2,394 | \$2,457 | \$2,457 | \$2,424 | \$2,417 | \$2,385 | \$2,385 | \$2,375 | \$2,375 | \$2,375 |
| 30-Jun-98 | \$3,158 | \$3,226 | \$3,313 | \$3,409 | \$3,409 | \$3,440 | \$3,491 | \$3,551 | \$3,601 | \$3,620 | \$3,642 | \$3,613 | \$3,624 | \$3,666 | \$3,922 |
| 30-Jun-99 | \$2,084 | \$2,089 | \$2,111 | \$2,097 | \$2,109 | \$2,030 | \$2,149 | \$2,162 | \$2,190 | \$2,200 | \$2,205 | \$2,205 | \$2,179 | \$2,199 | \$2,213 |
| 30-Jun-00 | \$1,573 | \$1,583 | \$1,629 | \$1,595 | \$1,586 | \$1,606 | \$1,610 | \$1,610 | \$1,569 | \$1,633 | \$1,639 | \$1,639 | \$1,639 | \$1,639 | \$1,639 |
| 30-Jun-01 | \$1,503 | \$1,503 | \$1,508 | \$1,434 | \$1,434 | \$1,434 | \$1,398 | \$1,585 | \$1,670 | \$1,648 | \$1,648 | \$1,648 | \$1,648 | \$1,646 | \$1,606 |
| 30-Jun-02 | \$1,843 | \$1,945 | \$1,945 | \$1,945 | \$1,945 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 |
| 30-Jun-03 | \$2,032 | \$2,035 | \$2,035 | \$2,032 | \$2,032 | \$2,023 | \$2,023 | \$2,023 | \$2,023 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 |
| 30-Jun-04 | \$1,865 | \$1,865 | \$1,834 | \$1,809 | \$1,824 | \$1,852 | \$1,852 | \$1,852 | \$1,826 | \$1,823 | \$1,787 | \$1,787 | \$1,787 | \$1,787 | \$1,791 |
| 30-Jun-05 | \$1,923 | \$1,923 | \$1,903 | \$1,903 | \$2,038 | \$2,038 | \$2,038 | \$1,894 | \$1,895 | \$1,895 | \$1,895 | \$1,895 | \$1,895 | \$1,895 | \$1,895 |
| 30-Jun-06 | \$2,246 | \$2,246 | \$2,317 | \$2,259 | \$2,160 | \$2,160 | \$2,160 | \$2,168 | \$2,169 | \$2,171 | \$2,173 | \$2,173 | \$2,173 | \$2,173 | \$2,173 |
| 30-Jun-07 | \$2,345 | \$2,297 | \$2,302 | \$2,333 | \$2,288 | \$2,361 | \$2,401 | \$2,454 | \$2,463 | \$2,451 | \$2,483 | \$2,465 | \$2,480 | \$2,444 | \$2,441 |
| 30-Jun-08 | \$1,962 | \$1,933 | \$1,937 | \$1,937 | \$1,939 | \$1,950 | \$1,948 | \$1,949 | \$1,949 | \$1,949 | \$1,949 | \$1,949 | \$1,949 | \$1,949 | \$1,949 |
| 30-Jun-09 | \$4,085 | \$4,086 | \$4,079 | \$4,072 | \$4,072 | \$4,072 | \$4,074 | \$4,072 | \$4,072 | \$4,072 | \$4,072 | \$4,072 | \$4,072 | \$4,072 |  |
| 30-Jun-10 | \$2,826 | \$2,815 | \$2,804 | \$2,814 | \$2,788 | \$2,788 | \$2,790 | \$2,790 | \$2,798 | \$2,809 | \$2,804 | \$2,804 |  |  |  |
| 30-Jun-11 | \$1,963 | \$1,968 | \$1,977 | \$1,983 | \$1,985 | \$1,996 | \$2,020 | \$2,017 | \$2,018 | \$2,018 |  |  |  |  |  |
| 30-Jun-12 | \$1,850 | \$1,919 | \$1,918 | \$1,918 | \$1,943 | \$1,937 | \$1,937 | \$1,937 |  |  |  |  |  |  |  |
| 30-Jun-13 | \$2,253 | \$2,249 | \$2,249 | \$2,237 | \$2,262 | \$2,264 |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 | \$3,118 | \$3,121 | \$3,119 | \$3,123 |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 | \$2,155 | \$2,149 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Accident Year Ended | Ratio of Paid to Incurred Losses plus ALAE Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\underline{96}$ | 102 | 108 | 114 | 120 | 126 | 132 | $\underline{138}$ | 144 | 150 | 156 | 162 | 168 | $\frac{174}{94.8 \%}$ | $\frac{180}{95.8 \%}$ |
| 30-Jun-86 |  |  |  |  |  |  |  |  |  |  |  | 95.7\% | 93.0\% | 95.0\% | 96.8\% |
| 30-Jun-87 |  |  |  |  |  |  |  |  |  | 88.3\% | 88.2\% | 90.0\% | 91.8\% | 91.9\% | 92.1\% |
| 30-Jun-88 |  |  |  |  |  |  |  | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-89 |  |  |  |  |  | 99.3\% | 99.4\% | 99.7\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-90 |  |  |  | 81.8\% | 75.6\% | 78.2\% | 80.7\% | 80.7\% | 81.6\% | 82.1\% | 82.6\% | 82.9\% | 83.2\% | 85.3\% | 85.6\% |
| 30-Jun-91 |  | 93.5\% | 94.4\% | 95.4\% | 96.3\% | 96.8\% | 97.2\% | 98.1\% | 98.5\% | 98.9\% | 99.3\% | 99.8\% | 96.5\% | 97.0\% | 97.4\% |
| 30-Jun-92 | 95.7\% | 94.9\% | 94.2\% | 95.6\% | 94.9\% | 94.9\% | 95.4\% | 96.5\% | 96.5\% | 98.6\% | 98.7\% | 98.7\% | 98.7\% | 98.5\% | 98.6\% |
| 30-Jun-93 | 40.7\% | 41.3\% | 41.0\% | 41.5\% | 42.0\% | 42.5\% | 42.9\% | 44.4\% | 43.9\% | 44.7\% | 44.5\% | 44.8\% | 45.2\% | 45.4\% | 45.1\% |
| 30-Jun-94 | 98.3\% | 90.6\% | 91.2\% | 99.5\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 99.9\% | 99.9\% | 100.0\% | 100.0\% | 98.3\% | 98.4\% | 98.4\% |
| 30-Jun-95 | 81.7\% | 84.1\% | 85.9\% | 88.4\% | 88.7\% | 91.2\% | 91.3\% | 91.3\% | 91.4\% | 91.5\% | 91.5\% | 93.9\% | 94.5\% | 90.4\% | 87.8\% |
| 30-Jun-96 | 91.0\% | 92.0\% | 97.1\% | 97.1\% | 98.4\% | 98.5\% | 98.4\% | 97.9\% | 97.9\% | 98.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-97 | 88.5\% | 90.6\% | 93.9\% | 92.3\% | 92.3\% | 93.9\% | 91.5\% | 91.6\% | 97.9\% | 98.2\% | 99.5\% | 99.5\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-98 | 92.3\% | 94.0\% | 92.8\% | 91.6\% | 93.2\% | 93.9\% | 93.8\% | 93.3\% | 92.8\% | 92.9\% | 94.0\% | 95.4\% | 95.8\% | 95.1\% | 90.7\% |
| 30-Jun-99 | 91.1\% | 92.6\% | 92.5\% | 93.9\% | 93.9\% | 98.0\% | 94.9\% | 97.1\% | 97.7\% | 97.8\% | 97.7\% | 97.7\% | 99.7\% | 98.8\% | 99.5\% |
| 30-Jun-00 | 84.9\% | 85.1\% | 89.1\% | 93.1\% | 94.0\% | 93.5\% | 93.4\% | 93.5\% | 96.2\% | 98.7\% | 98.3\% | 98.4\% | 98.4\% | 98.5\% | 98.5\% |
| 30-Jun-01 | 90.5\% | 91.0\% | 90.8\% | 95.7\% | 95.8\% | 95.9\% | 98.6\% | 98.8\% | 93.9\% | 94.0\% | 94.3\% | 94.5\% | 94.8\% | 96.8\% | 99.5\% |
| 30-Jun-02 | 96.2\% | 91.2\% | 91.2\% | 91.2\% | 91.2\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-03 | 95.6\% | 95.6\% | 95.6\% | 98.0\% | 98.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-04 | 90.8\% | 91.5\% | 93.5\% | 94.8\% | 94.1\% | 92.8\% | 92.8\% | 92.9\% | 94.3\% | 98.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 99.7\% |
| 30-Jun-05 | 96.0\% | 96.1\% | 97.4\% | 97.5\% | 91.1\% | 91.2\% | 91.2\% | 98.3\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-06 | 94.6\% | 94.6\% | 91.8\% | 95.6\% | 100.0\% | 100.0\% | 100.0\% | 99.7\% | 99.6\% | 99.7\% | 99.6\% | 99.6\% | 99.6\% | 99.7\% | 99.7\% |
| 30-Jun-07 | 90.7\% | 94.2\% | 94.3\% | 94.9\% | 97.5\% | 94.8\% | 97.0\% | 96.1\% | 95.9\% | 97.6\% | 96.5\% | 97.3\% | 96.8\% | 99.4\% | 99.5\% |
| 30-Jun-08 | 97.9\% | 99.7\% | 99.6\% | 99.7\% | 99.6\% | 99.1\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-09 | 99.6\% | 99.6\% | 99.8\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |
| 30-Jun-10 | 94.4\% | 95.5\% | 97.9\% | 97.6\% | 98.9\% | 99.0\% | 99.0\% | 99.1\% | 98.9\% | 98.8\% | 99.3\% | 99.3\% |  |  |  |
| 30-Jun-11 | 99.1\% | 99.0\% | 99.0\% | 98.8\% | 99.0\% | 99.2\% | 98.2\% | 99.4\% | 99.4\% | 99.5\% |  |  |  |  |  |
| 30-Jun-12 | 98.0\% | 96.7\% | 98.4\% | 98.4\% | 97.2\% | 99.4\% | 99.4\% | 99.4\% |  |  |  |  |  |  |  |
| 30-Jun-13 | 97.3\% | 98.5\% | 98.7\% | 99.3\% | 98.3\% | 98.3\% |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 | 99.0\% | 99.2\% | 99.3\% | 99.2\% |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 | 97.4\% | 97.9\% |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-1730-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average* | 94.0\% | 94.1\% | 94.7\% | 95.4\% | 95.1\% | 96.2\% | 96.2\% | 96.8\% | 97.1\% | 97.2\% | 97.4\% | 97.6\% | 97.4\% | 97.5\% | 97.4\% |
| Wtd Avg* | 94.2\% | 94.5\% | 95.1\% | 95.4\% | 95.1\% | 96.0\% | 95.9\% | 96.4\% | 96.7\% | 96.9\% | 97.1\% | 97.4\% | 97.3\% | 97.4\% | 96.7\% |
| Std Dev* | 4.6\% | 4.1\% | 3.7\% | 4.1\% | 5.2\% | 4.7\% | 4.5\% | 4.4\% | 4.2\% | 4.4\% | 4.4\% | 4.0\% | 3.9\% | 3.7\% | 4.1\% |

POOLED INSURANCE PROGRAM OF NEW JERSEY
Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Ratio of Paid to Incurred Losses and ALAE ( 000 's)

| Accident Year Ended | Paid Los | plus Allo | d Loss A | stment Ex | ses (ALA |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pid Losses plus Alloated Loss Adustmelopment Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\frac{\text { Year Ended }}{30 \text {-Jun-85 }}$ | $\frac{186}{\$ 610}$ | $\frac{192}{\$ 617}$ | $\underline{198}$ | 204 | $\frac{210}{\$ 637}$ | 216 | $\frac{222}{\$ 650}$ | $\underline{228}$ | $\underline{234}$ | $\underline{240}$ | $\underline{\$ 664}$ | $\underline{252}$ | $\underline{258}$ | $\underline{2646}$ | $\frac{270}{\$ 667}$ |
| 30-Jun-86 | \$959 | \$960 | \$961 | \$961 | \$963 | \$1,001 | \$1,005 | \$1,008 | \$1,012 | \$1,015 | \$1,033 | \$1,036 | \$1,015 | \$1,018 | \$1,022 |
| 30-Jun-87 | \$1,609 | \$1,618 | \$1,626 | \$1,633 | \$1,641 | \$1,649 | \$1,658 | \$1,665 | \$1,672 | \$1,681 | \$1,688 | \$1,696 | \$1,705 | \$1,712 | \$1,722 |
| 30-Jun-88 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 |
| 30-Jun-89 | \$934 | \$934 | \$934 | \$934 | \$935 | \$936 | \$936 | \$937 | \$940 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 |
| 30-Jun-90 | \$2,219 | \$2,227 | \$2,236 | \$2,243 | \$2,251 | \$2,259 | \$2,266 | \$2,278 | \$2,290 | \$2,306 | \$2,318 | \$2,330 | \$2,340 | \$2,360 | \$2,382 |
| 30-Jun-91 | \$1,426 | \$1,431 | \$1,438 | \$1,444 | \$1,451 | \$1,458 | \$1,465 | \$1,473 | \$1,479 | \$1,491 | \$1,497 | \$1,504 | \$1,509 | \$1,516 | \$1,521 |
| 30-Jun-92 | \$1,214 | \$1,214 | \$1,215 | \$1,216 | \$1,216 | \$1,217 | \$1,218 | \$1,218 | \$1,219 | \$1,220 | \$1,222 | \$1,223 | \$1,224 | \$1,225 | \$1,225 |
| 30-Jun-93 | \$3,942 | \$3,980 | \$4,023 | \$4,065 | \$4,107 | \$4,301 | \$4,382 | \$4,434 | \$4,491 | \$4,544 | \$4,594 | \$4,623 | \$4,675 | \$4,724 | \$4,784 |
| 30-Jun-94 | \$1,768 | \$1,768 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 |
| 30-Jun-95 | \$2,400 | \$2,400 | \$2,411 | \$2,425 | \$2,439 | \$2,442 | \$2,444 | \$2,450 | \$2,453 | \$2,445 | \$2,461 | \$2,472 | \$2,490 | \$2,494 | \$2,501 |
| 30-Jun-96 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 |
| 30-Jun-97 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 |
| 30-Jun-98 | \$3,586 | \$3,622 | \$3,668 | \$3,697 | \$3,730 | \$3,754 | \$3,786 | \$3,849 | \$3,871 | \$3,930 | \$3,968 | \$3,990 | \$4,018 | \$4,047 | \$4,080 |
| 30-Jun-99 | \$2,206 | \$2,208 | \$2,216 | \$2,221 | \$2,222 | \$2,223 | \$2,240 | \$2,259 | \$2,260 | \$2,262 | \$2,262 | \$2,262 | \$2,262 | \$2,262 | \$2,262 |
| 30-Jun-00 | \$1,620 | \$1,623 | \$1,625 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 |
| 30-Jun-01 | \$1,599 | \$1,610 | \$1,610 | \$1,610 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 |
| 30-Jun-02 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 |  |  |
| 30-Jun-03 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 |  |  |  |  |
| 30-Jun-04 | \$1,787 | \$1,787 | \$1,787 | \$1,787 | \$1,787 | \$1,787 | \$1,787 | \$1,787 | \$1,787 |  |  |  |  |  |  |
| 30-Jun-05 | \$1,895 | \$1,895 | \$1,895 | \$1,895 | \$1,895 | \$1,895 | \$1,895 |  |  |  |  |  |  |  |  |
| 30-Jun-06 | \$2,168 | \$2,168 | \$2,168 | \$2,168 | \$2,168 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 | \$2,430 | \$2,438 | \$2,443 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 | \$1,949 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

$\qquad$ II. Incurred Losses plus Allocated Loss Adjustment Expenses (ALAE)

| AccidentYear Ended | II. Incurred Losses plus Allocated Loss Adjustment Expenses (ALAE) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\frac{\text { Year Ended }}{30-J u n-85}$ | $\frac{186}{\$ 628}$ | $\frac{192}{\$ 627}$ | $\frac{198}{\$ 627}$ | $\frac{204}{\$ 630}$ | $\frac{210}{\$ 655}$ | $\frac{216}{\$ 655}$ | $\frac{222}{\$ 655}$ | $\frac{228}{\$ 679}$ | $\frac{234}{\$ 664}$ | $\stackrel{240}{\$ 664}$ | $\stackrel{246}{\$ 664}$ | $\stackrel{252}{\$ 678}$ | $\stackrel{258}{\$ 678}$ | $\underline{264}$ | $\frac{270}{\$ 683}$ |
| 30-Jun-86 | \$987 | \$990 | \$990 | \$990 | \$1,062 | \$1,062 | \$1,062 | \$1,062 | \$1,062 | \$1,070 | \$1,077 | \$1,077 | \$1,083 | \$1,084 | \$1,084 |
| 30-Jun-87 | \$1,743 | \$1,743 | \$1,743 | \$1,743 | \$1,743 | \$1,743 | \$1,743 | \$1,746 | \$1,747 | \$1,759 | \$1,759 | \$1,759 | \$1,776 | \$1,786 | \$1,799 |
| 30-Jun-88 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 |
| 30-Jun-89 | \$934 | \$934 | \$934 | \$944 | \$944 | \$946 | \$946 | \$946 | \$940 | \$941 | \$941 | \$957 | \$941 | \$941 | \$941 |
| 30-Jun-90 | \$2,584 | \$2,585 | \$2,586 | \$2,586 | \$2,586 | \$2,587 | \$2,586 | \$2,595 | \$2,653 | \$2,665 | \$2,683 | \$2,683 | \$2,702 | \$2,730 | \$2,753 |
| 30-Jun-91 | \$1,457 | \$1,457 | \$1,467 | \$1,467 | \$1,472 | \$1,472 | \$1,539 | \$1,542 | \$1,554 | \$1,552 | \$1,552 | \$1,568 | \$1,568 | \$1,579 | \$1,586 |
| 30-Jun-92 | \$1,231 | \$1,231 | \$1,233 | \$1,239 | \$1,268 | \$1,268 | \$1,268 | \$1,268 | \$1,268 | \$1,274 | \$1,274 | \$1,274 | \$1,274 | \$1,274 | \$1,274 |
| 30-Jun-93 | \$8,708 | \$8,708 | \$8,754 | \$8,755 | \$8,955 | \$9,083 | \$9,608 | \$9,656 | \$9,656 | \$9,773 | \$9,773 | \$9,748 | \$9,748 | \$9,748 | \$9,948 |
| 30-Jun-94 | \$1,795 | \$1,795 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 |
| 30-Jun-95 | \$2,400 | \$2,400 | \$2,428 | \$2,428 | \$2,478 | \$2,478 | \$2,478 | \$2,528 | \$2,533 | \$2,533 | \$2,534 | \$2,544 | \$2,558 | \$2,576 | \$2,579 |
| 30-Jun-96 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 |
| 30-Jun-97 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 |
| 30-Jun-98 | \$3,972 | \$4,036 | \$4,053 | \$4,119 | \$4,137 | \$4,150 | \$4,099 | \$4,104 | \$4,209 | \$4,233 | \$4,241 | \$4,247 | \$4,270 | \$4,297 | \$4,570 |
| 30-Jun-99 | \$2,234 | \$2,222 | \$2,232 | \$2,230 | \$2,237 | \$2,274 | \$2,295 | \$2,296 | \$2,296 | \$2,296 | \$2,262 | \$2,262 | \$2,262 | \$2,262 | \$2,262 |
| 30-Jun-00 | \$1,645 | \$1,663 | \$1,651 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 | \$1,638 |
| 30-Jun-01 | \$1,606 | \$1,610 | \$1,610 | \$1,610 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 | \$1,611 |
| 30-Jun-02 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 | \$1,773 |  |  |
| 30-Jun-03 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 | \$2,022 |  |  |  |  |
| 30-Jun-04 | \$1,791 | \$1,791 | \$1,790 | \$1,790 | \$1,788 | \$1,787 | \$1,787 | \$1,787 | \$1,787 |  |  |  |  |  |  |
| 30-Jun-05 | \$1,895 | \$1,895 | \$1,895 | \$1,895 | \$1,895 | \$1,895 | \$1,895 |  |  |  |  |  |  |  |  |
| 30-Jun-06 | \$2,168 | \$2,168 | \$2,168 | \$2,168 | \$2,168 |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 | \$2,441 | \$2,473 | \$2,476 |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 | \$1,949 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

$30-J u n-09$
$30-J u n-10$
30-Jun-10
30-Jun-12
30-Jun-13
30-Jun-14
$30-J u n-15$
$30-$-un-16
30-Jun-16
30-Jun-17
30-Jun-18
$30-\mathrm{Jun}-18$
30 -Jun-19
$30-J u n-19$
$30-J u n-20$
$30-J u n-21$
$30-$ Jun 22
31-Dec-22

| Accident Year Ended | Ratio of Paid to Incurred Losses plus ALAE Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ${ }^{186} 97.1 \%$ | $\frac{192}{98}$ | ${ }^{198} 9$ | ${ }^{204} 9$ | $\frac{210}{97}$ \% | $\frac{216}{98}$ | $\frac{222}{99}$ | ${ }^{228} 96$ | $\frac{234}{100}$ | $\frac{240}{100} 0$ | $\frac{246}{100} 0$ | $\frac{252}{97} 9$ | $\frac{258}{98}$ | $\frac{264}{98}$ | $\frac{270}{97} 6 \%$ |
| 30-Jun-85 | 97.1\% | 98.3\% | 99.3\% | 99.9\% | 97.2\% | 98.1\% | 99.2\% | 96.7\% | 100.0\% | 100.0\% | 100.0\% | 97.9\% | 98.0\% | 98.2\% | 97.6\% |
| 30-Jun-86 | 97.2\% | 97.0\% | 97.0\% | 97.1\% | 90.7\% | 94.3\% | 94.6\% | 94.9\% | 95.3\% | 94.8\% | 95.9\% | 96.1\% | 93.8\% | 94.0\% | 94.3\% |
| 30-Jun-87 | 92.3\% | 92.8\% | 93.3\% | 93.7\% | 94.2\% | 94.6\% | 95.1\% | 95.4\% | 95.7\% | 95.6\% | 96.0\% | 96.5\% | 96.0\% | 95.9\% | 95.7\% |
| 30-Jun-88 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-89 | 100.0\% | 100.0\% | 100.0\% | 99.0\% | 99.1\% | 99.0\% | 99.0\% | 99.1\% | 100.0\% | 100.0\% | 100.0\% | 98.3\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-90 | 85.9\% | 86.2\% | 86.4\% | 86.7\% | 87.0\% | 87.3\% | 87.6\% | 87.8\% | 86.3\% | 86.5\% | 86.4\% | 86.8\% | 86.6\% | 86.5\% | 86.5\% |
| 30-Jun-91 | 97.9\% | 98.2\% | 98.0\% | 98.4\% | 98.6\% | 99.0\% | 95.2\% | 95.5\% | 95.2\% | 96.1\% | 96.5\% | 95.9\% | 96.2\% | 96.0\% | 95.9\% |
| 30-Jun-92 | 98.6\% | 98.6\% | 98.5\% | 98.1\% | 95.9\% | 96.0\% | 96.1\% | 96.1\% | 96.2\% | 95.8\% | 95.9\% | 96.0\% | 96.1\% | 96.1\% | 96.2\% |
| 30-Jun-93 | 45.3\% | 45.7\% | 46.0\% | 46.4\% | 45.9\% | 47.4\% | 45.6\% | 45.9\% | 46.5\% | 46.5\% | 47.0\% | 47.4\% | 48.0\% | 48.5\% | 48.1\% |
| 30-Jun-94 | 98.5\% | 98.5\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-95 | 100.0\% | 100.0\% | 99.3\% | 99.9\% | 98.4\% | 98.5\% | 98.6\% | 96.9\% | 96.9\% | 96.5\% | 97.2\% | 97.2\% | 97.4\% | 96.8\% | 97.0\% |
| 30-Jun-96 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-97 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-98 | 90.3\% | 89.7\% | 90.5\% | 89.7\% | 90.2\% | 90.5\% | 92.4\% | 93.8\% | 92.0\% | 92.9\% | 93.6\% | 93.9\% | 94.1\% | 94.2\% | 89.3\% |
| 30-Jun-99 | 98.7\% | 99.4\% | 99.3\% | 99.6\% | 99.3\% | 97.8\% | 97.6\% | 98.4\% | 98.4\% | 98.5\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-00 | 98.5\% | 97.6\% | 98.4\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-01 | 99.5\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |
| 30-Jun-02 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |
| 30-Jun-03 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  |
| 30-Jun-04 | 99.7\% | 99.7\% | 99.8\% | 99.8\% | 99.9\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  |  |  |
| 30-Jun-05 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  |  |  |  |  |
| 30-Jun-06 | 100.0\% | 100.0\% | 100.0\% | 100.0\% | 100.0\% |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 | 99.6\% | 98.6\% | 98.7\% |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 | 100.0\% |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | Average* | $98.0 \%$ | $97.9 \%$ | $98.1 \%$ | $98.2 \%$ | $97.6 \%$ | $97.8 \%$ | $97.8 \%$ | $97.6 \%$ | $97.7 \%$ | $97.6 \%$ | $97.8 \%$ | $97.6 \%$ | $97.5 \%$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Wtd Avg* | $97.5 \%$ | $97.3 \%$ | $97.5 \%$ | $97.5 \%$ | $97.2 \%$ | $97.1 \%$ | $97.3 \%$ | $97.2 \%$ | $97.0 \%$ | $96.9 \%$ | $97.2 \%$ | $97.0 \%$ | $97.0 \%$ | $96.8 \%$ |
| Std Dev* | $3.5 \%$ | $3.6 \%$ | $3.4 \%$ | $3.6 \%$ | $3.8 \%$ | $3.5 \%$ | $3.3 \%$ | $3.1 \%$ | $3.6 \%$ | $3.5 \%$ | $3.5 \%$ | $3.3 \%$ | $3.5 \%$ | $3.6 \%$ |

POOLED INSURANCE PROGRAM OF NEW JERSEY
Actuarial Analysis of Workers' Compensation Insurance Pool as of December 31, 2022
Ratio of Paid to Incurred Losses and ALAE (000's)

| Accident Year Ended | . Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\frac{276}{\$ 670}$ | $\frac{282}{\$ 671}$ | $\frac{288}{\$ 673}$ | $\frac{294}{\$ 674}$ | $\frac{300}{\$ 676}$ | $\frac{306}{\$ 678}$ | \$12 | $\frac{318}{\$ 681}$ | $\frac{324}{\$ 682}$ | \$300 | \$336 | $\frac{342}{5692}$ | ${ }_{\$}^{348}$ | \$354 | \$600 |
| 30-Jun-85 | \$670 | \$671 | \$673 | \$674 | \$676 | \$678 | \$680 | \$681 | \$682 | \$684 | \$690 | \$692 | \$694 | \$703 | \$703 |
| 30-Jun-86 | \$1,025 | \$1,043 | \$1,044 | \$1,044 | \$1,044 | \$1,045 | \$1,045 | \$1,045 | \$1,045 | \$1,045 | \$1,045 | \$1,045 | \$1,045 | \$1,075 | \$1,076 |
| 30-Jun-87 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 |
| 30-Jun-88 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 |
| 30-Jun-89 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 |
| 30-Jun-90 | \$2,392 | \$2,409 | \$2,429 | \$2,443 | \$2,460 | \$2,473 | \$2,483 | \$2,496 | \$2,502 | \$2,510 | \$2,517 | \$2,524 | \$2,532 | \$2,538 | \$2,545 |
| 30-Jun-91 | \$1,528 | \$1,534 | \$1,541 | \$1,546 | \$1,553 | \$1,560 | \$1,565 | \$1,572 | \$1,578 | \$1,584 | \$1,590 | \$1,596 | \$1,602 | \$1,608 | \$1,614 |
| 30-Jun-92 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 |
| 30-Jun-93 | \$4,837 | \$4,888 | \$4,951 | \$5,005 | \$5,059 | \$5,109 | \$5,170 | \$5,287 | \$5,343 | \$5,406 | \$5,453 | \$5,522 | \$5,592 | \$5,649 | \$5,757 |
| 30-Jun-94 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 |  |
| 30-Jun-95 | \$2,505 | \$2,541 | \$2,551 | \$2,555 | \$2,563 | \$2,569 | \$2,578 | \$2,587 | \$2,592 | \$2,618 | \$2,619 | \$2,619 |  |  |  |
| 30-Jun-96 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 |  |  |  |  |  |
| 30-Jun-97 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 |  |  |  |  |  |  |  |
| 30-Jun-98 | \$4,096 | \$4,113 | \$4,179 | \$4,303 | \$4,395 | \$4,450 |  |  |  |  |  |  |  |  |  |
| 30-Jun-99 | \$2,262 | \$2,262 | \$2,262 | \$2,262 |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-00 | \$1,638 | \$1,638 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-03 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-04 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-05 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-06 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-07 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-09 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31-Dec-22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

II. Incurred Losses plus Allocated Loss Adjustment Expenses (ALAE)

| $\begin{aligned} & \text { Accident } \\ & \text { Year Ended } \end{aligned}$ | II. Incurred Losses plus Allocated Loss Adjustment Expenses (ALAE) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Development Period |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\stackrel{276}{568}$ | $\stackrel{282}{\$ 704}$ | $\stackrel{288}{804}$ | $\stackrel{294}{5704}$ | $\frac{300}{\$ 704}$ | \$06 | $\frac{312}{\$ 710}$ | $\frac{318}{\$ 710}$ | $\frac{324}{\$ 714}$ | $\frac{330}{\$ 714}$ | $\frac{336}{\$ 712}$ | $\frac{342}{\$ 712}$ | $\frac{348}{} 8712$ | \$574 | $\frac{360}{\$ 703}$ |
| 30-Jun-85 | \$686 | \$704 | \$704 | \$704 | \$704 | \$708 | \$710 | \$710 | \$714 | \$714 | \$712 | \$712 | \$712 | \$703 | \$703 |
| 30-Jun-86 | \$1,093 | \$1,117 | \$1,117 | \$1,122 | \$1,122 | \$1,102 | \$1,045 | \$1,045 | \$1,047 | \$1,045 | \$1,045 | \$1,045 | \$1,045 | \$1,082 | \$1,120 |
| 30-Jun-87 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 | \$1,722 |
| 30-Jun-88 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 | \$1,282 |
| 30-Jun-89 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 | \$941 |
| 30-Jun-90 | \$2,767 | \$2,774 | \$2,780 | \$2,786 | \$2,817 | \$2,823 | \$2,841 | \$2,846 | \$2,852 | \$2,865 | \$2,868 | \$2,877 | \$2,873 | \$2,873 | \$2,873 |
| 30-Jun-91 | \$1,600 | \$1,600 | \$1,611 | \$1,611 | \$1,625 | \$1,625 | \$1,637 | \$1,637 | \$1,645 | \$1,655 | \$1,665 | \$1,667 | \$1,667 | \$1,679 | \$1,679 |
| 30-Jun-92 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 | \$1,262 |
| 30-Jun-93 | \$9,948 | \$9,948 | \$9,948 | \$9,980 | \$10,216 | \$10,290 | \$10,330 | \$10,407 | \$10,513 | \$10,517 | \$10,517 | \$10,665 | \$10,741 | \$10,741 | \$10,854 |
| 30-Jun-94 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 | \$1,779 |  |
| 30-Jun-95 | \$2,584 | \$2,618 | \$2,656 | \$2,664 | \$2,670 | \$2,678 | \$2,689 | \$2,693 | \$2,704 | \$2,704 | \$2,704 | \$2,704 |  |  |  |
| 30-Jun-96 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 | \$1,996 |  |  |  |  |  |
| 30-Jun-97 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 | \$2,375 |  |  |  |  |  |  |  |
| 30-Jun-98 | \$4,394 | \$4,400 | \$4,456 | \$4,553 | \$4,609 | \$5,155 |  |  |  |  |  |  |  |  |  |
| 30-Jun-99 | \$2,262 | \$2,262 | \$2,262 | \$2,262 |  |  |  |  |  |  |  |  |  |  |  |
| 30-Jun-00 | \$1,638 | \$1,638 |  |  |  |  |  |  |  |  |  |  |  |  |  |

30-Jun-01
30-Jun-02
$30-\mathrm{Jun}-03$
30 -Jun-04
$30-J u n-04$
$30-J u n-05$
30-Jun-05
30-Jun-06
30-Jun-07
30-Jun-07
30-Jun-08
$30-$ Jun-09
30 -Jun-10
$30-J u n-10$
$30-$ Jun-11
$30-J u n-11$
30-Jun-12
$30-\mathrm{Jun}-12$
30-Jun-13
30-Jun-14
30-Jun-15
30-Jun-16
30-Jun-17
30-Jun-18
$30-J u n-18$
$30-J u n-19$
30-Jun-19
30-Jun-20
30-Jun-21
31-Dec-22



[^0]:    This unpublished report has been prepared and submitted for the sole use of the above named client
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[^1]:    ${ }^{1}$ This analysis was provided to assist PIPNJ in selecting the loss and ALAE reserve values to include in its financial statement. It should not be relied upon for any other purpose or by any entity other than PIPNJ. If this analysis is provided to any other entity the following conditions apply: (i) it should only be done after obtaining the written consent of AIS, (ii) the entire analysis should be supplied and (iii) that entity should be informed that AIS is available under appropriate circumstances to discuss the analysis.
    ${ }^{2}$ Net values are after the projected impact of excess insurance.
    ${ }^{3}$ The net IBNR values displayed assume that ALAE is included with losses when accruing the self-insured retention amounts for claims occurring July 1, 1998 and later. For claims prior to July 1, 1998 some claim expenses, rehabilitation costs and legal fees have been pro-rated or excluded according to new information provided to us by Inservco. We have not independently verified that this information is complete or correct. We recommend that if Burton, PIPNJ or Inservco becomes aware of any mistakes in the data or information provided to us by Burton, PIPNJ or Inservco, that it should be brought to our attention. We will make any adjustments that may be appropriate to our analysis of the reserves.

[^2]:    ${ }^{4}$ The total reserves for workers' compensation can be subject to a large degree of variation. It is possible that the actual loss \& ALAE liabilities for PIPNJ can exceed the estimated total loss \& ALAE reserve by $25 \%$ or more.
    ${ }^{5}$ We have not independently verified that these amounts will be recovered. We have relied upon the representation of PIPNJ that amounts due under the excess insurance can be collected. Problems collecting the excess insurance recoveries considered in our analysis could have an adverse impact upon the financial condition of PIPNJ. Our analysis of possible excess insurance recoveries is based upon information provided by PIPNJ regarding the applicable excess insurance provisions. We have relied upon PIPNJ to provide the applicable provisions, and have not verified that the information provided by PIPNJ in this regard is accurate.
    ${ }^{6}$ The paid losses and case reserves shown in the net exhibit were limited for open individual claims to reflect the specific self-insurance retention information provided by PIPNJ.

[^3]:    ${ }^{7}$ Claims from COVID-19 would represent this type of event.

[^4]:    ${ }^{1}$ This analysis was provided to assist PIPNJ in selecting the loss and ALAE reserve values to include in its financial statement. It should not be relied upon for any other purpose or by any entity other than PIPNJ. If this analysis is provided to any other entity the following conditions apply: (i) it should only be done after obtaining the written consent of AIS, (ii) the entire analysis should be supplied and (iii) that entity should be informed that AIS is available under appropriate circumstances to discuss the analysis.
    ${ }^{2}$ The net IBNR values displayed assume that ALAE is included with losses when accruing the self-insured retention amounts for claims occurring July 1, 1998 and later. For claims prior to July 1, 1998 some claim expenses, rehabilitation costs and legal fees have been pro-rated or excluded according to new information provided to us by Inservco. We have not independently verified that this information is complete or correct. We recommend that if Burton, PIPNJ or Inservco becomes aware of any mistakes in the data or information provided to us by Burton, PIPNJ or Inservco, that it should be brought to our attention. We will make any adjustments that may be appropriate to our analysis of the reserves.
    ${ }^{3}$ We have not independently verified that these amounts will be recovered. We have relied upon the representation of PIPNJ that amounts due under the excess insurance can be collected. Problems in collecting the excess insurance recoveries considered in our analysis could have an adverse impact upon the

[^5]:    financial condition of PIPNJ. Our analysis of possible excess insurance recoveries is based upon information provided by PIPNJ regarding the applicable excess insurance provisions. We have relied upon PIPNJ to provide the applicable provisions, and have not verified that the information provided by PIPNJ in this regard is accurate.
    ${ }^{4}$ Net values are after the projected impact of excess insurance.

[^6]:    ${ }^{5}$ The paid losses and case reserves shown in the net exhibit were limited for open individual claims to reflect the specific self-insurance retention information provided by PIPNJ.
    ${ }^{6}$ The evaluation date of the loss \& ALAE information used in the enclosed exhibits was December 31, 2022.
    ${ }^{7}$ We recommend that if Burton, PIPNJ or Inservco becomes aware of any mistakes in the data or information provided to us by Burton, PIPNJ or Inservco, that it should be brought to our attention. We will make any adjustments that may be appropriate to our analysis of the reserves.

[^7]:    ${ }^{8}$ We have not independently verified that these amounts will be recovered. We have relied upon the representation of PIPNJ that amounts due under the excess insurance can be collected. Problems collecting the excess insurance recoveries considered in our analysis could have an adverse impact upon the financial condition of PIPNJ. Our analysis of possible excess insurance recoveries is based upon information provided by PIPNJ regarding the applicable excess insurance provisions. We have relied upon PIPNJ to provide the applicable provisions, and have not verified that the information provided by PIPNJ in this regard is accurate.
    ${ }^{9}$ The total reserves for workers' compensation can be subject to a large degree of variation. It is possible that the actual loss \& ALAE liabilities for PIPNJ can exceed the estimated total loss \& ALAE reserve by $25 \%$ or more.
    ${ }^{10}$ Claims from COVID-19 would represent this type of event.

[^8]:    ${ }^{11}$ We have relied upon excess insurance information provided by PIPNJ and have not independently verified the information. We have not performed any analysis of the collectability of these potential excess insurance layer losses and ALAE.

[^9]:    ${ }^{13}$ We have not independently verified that these amounts will be recovered. We have relied upon the representation of PIPNJ that amounts due under the excess insurance can be collected. Problems collecting the excess insurance recoveries considered in our analysis could have an adverse impact upon the financial condition of PIPNJ. Our analysis of possible excess insurance recoveries is based upon information provided by PIPNJ regarding the applicable excess insurance provisions. We have relied upon PIPNJ to provide the applicable provisions, and have not verified that the information provided by PIPNJ in this regard is accurate.
    ${ }^{14}$ This report is based upon the assumption that this claim, claim number PP001041, will not ultimately exceed the excess insurance limit.

[^10]:    Source: Exhibit AIS-3, Sheet 3

