

ALBERTA NON-GRID RISK SHARING POOL

MARCH 2023 OPERATIONAL REPORT

ACTUARIAL HIGHLIGHTS

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ACTUARIAL HIGHLIGHTS

RSP ALBERTA NON-GRID

OPERATIONAL REPORT

MARCH 2023

TABLE OF CONTENTS

| | | |
|----------|---|-----------|
| 1 | Summary | 2 |
| 1.1 | Valuation Schedule (Fiscal Year 2023) | 2 |
| 1.2 | New Valuation | 2 |
| 1.3 | Appointed Actuary and Hybrid Actuarial Services Model | 5 |
| 1.4 | Consideration of Recent Legal Decisions and Changes in Legislation / Regulation | 5 |
| 1.5 | Current Provision Summary | 7 |
| 2 | Activity since previous valuation implementation | 8 |
| 2.1 | Recorded Premium and Claims Activity | 8 |
| 2.1.a | Actual vs. Projected (AvsP): Earned Premium | 8 |
| 2.1.b | AvsP: Recorded Indemnity & Allowed Claims Expense | 10 |
| 2.1.c | AvsP: Paid Indemnity & Allowed Claims Expense | 12 |
| 2.2 | Actuarial Provisions | 13 |
| 3 | Ultimate Loss Ratio Matching Method | 14 |
| 4 | Calendar Year-to-Date Results..... | 14 |
| 5 | Current Operational Report – Additional Exhibits | 15 |
| 6 | EXHIBITS..... | 16 |

1 Summary

Note to members: this is the quarterly Actuarial Highlights we will release going forward to replace the monthly Actuarial Highlights. The next report will be available for reporting month May 2023 in July 2023, in line with the valuation implementation schedule. Please contact us with any questions or concerns in regards to this matter.

1.1 Valuation Schedule (Fiscal Year 2023)

The March 2023 Operational Report incorporates the results of an updated valuation (as at December 31, 2022) – the impact of the implementation of the valuation is discussed in section 1.2. The following table summarizes the valuation implementations scheduled for fiscal year 2023.

| ALBERTA NON-GRID RISK SHARING POOL FISCAL YEAR 2023 – SCHEDULE OF VALUATIONS | | | |
|---|---|--------------------|---|
| Valuation Date | Discount Rate (per annum) | Operational Report | Description of Changes |
| Sep. 30, 2022 (completed) | 3.56% mfad 25 bp | Oct. 2022 | update valuation (roll-forward): accident year 2022 loss ratio unchanged at 94.1%; discount rate increased 39 basis points; no change to selected margins for adverse deviation |
| Dec. 31, 2022 (completed) | 5.53% (IFRS 17 does not have explicit interest rate margin) | Mar. 2023 | update valuation (roll-forward): accident year 2023 loss ratio decreased 0.5 points to 98.2%; discount rate increased 12 basis points based on the risk free rate plus illiquidity premium from FIERA Capital; no change to selected margins for adverse deviations |
| Mar. 31, 2023 | % | May. 2023 | |
| Jun. 30, 2023 | % | Aug. 2023 | |
| Sep. 30, 2023 | % | Oct. 2023 | |

Under the proposed schedule for fiscal year 2023, the off-half valuation quarters ending March 31, 2023 and September 30, 2023 would not reflect a full valuation update of assumptions, but would rather roll-forward key assumptions from the previous valuation.

1.2 New Valuation

A valuation of the Alberta Non-Grid Risk Sharing Pool (“RSP”) as at December 31, 2022 has been completed since last month’s Operational Report and the results of that valuation have been incorporated into this month’s report. The valuation was completed by the Facility Association’s internal actuarial group in conjunction with, and approved by, the Appointed Actuary, under the

hybrid model for actuarial services. In general, this valuation was **favourable** to the RSP results due to:

- Updated expected loss ratio projection using the latest rate level factors derived from industry data.

The valuation implementation impact is summarized in the following two tables, where the abbreviations PAYs refers to prior accident years, CAY refers to the current accident year (2023) and FtAY refers to future accident year (2024).

Summary of Impact (\$000s) of Implementing Result of Valuation as at Dec. 31, 2022¹

RSP: Alberta Non-Grid

| Summary of Impact | Total \$ Impact | YTD COR Impact |
|-----------------------|-----------------|----------------|
| LIC for Unpaid Claims | 662 | 2.2% |
| Loss Component | (4,514) | (14.9%) |
| TOTAL | (3,852) | (12.7%) |

Change in LIC for unpaid claims

| | nominal [1] | apv adj. [2] | sub-total [3] | disc rate [4] | margins [5] | TOTAL [6] |
|-------|----------------|-----------------|------------------|------------------|----------------|--------------|
| PAYs | 916 | (74) | 842 | 34 | - | 876 |
| CAY | (223) | 8 | (214) | (0) | - | (214) |
| TOTAL | 693 | (66) | 627 | 34 | - | 662 |

Change in Loss Component

| | 2023 (CAY) | 2024 (FtAY) | TOTAL |
|---|------------|-------------|---------|
| Opening Loss Component | 44,474 | 59,760 | 104,235 |
| [1] Losses on onerous contracts | (1,212) | (2,223) | (3,435) |
| [2] Discount rate | (452) | (627) | (1,079) |
| [3] Reversal of losses on onerous contracts | (4,647) | 66 | (4,581) |
| TOTAL [1]+[2]+[3] | (6,311) | (2,784) | (9,095) |
| Ending Loss Component | 38,164 | 56,976 | 95,140 |

unfav/ (fav) for the month and ytd

As indicated in the preceding table, the incorporation of the new valuation had an estimated **\$3.9 million favourable impact** on the month's net result from operations, subtracting an estimated 12.7 points to the **year-to-date Combined Operating Ratio**. The unfavourable LIC impact is primarily driven by unfavourable Bodily Injury experience as a result of LDF and a priori LR updates, partially offset by lower than expected AY2022 loss ratio and a small favourable discount rate impact (claim payment pattern and discount rate impacts are both combined in column [4]). The favourable loss component impact in Alberta Grid is driven by a decrease to accident year 2023 and 2024 expected loss ratios.

The impact of the **nominal changes** on the LIC is shown in column [1] in the above table. The change in the selected nominal ultimates was **unfavourable by \$693 thousand**. This reflects the impact attributable to the changes in the selected ultimate loss ratios (i.e. for each accident year, it is the

¹In these tables, "PAYs" refers to prior accident years, "CAY" refers to the current accident year, "FtAY" refers to future accident year, and "LIC" refers to liability for incurred claims. "Nominal" refers to changes excluding impact to discounting and risk adjustment, whereas "apv adj." refers to the impact on discounting and risk adjustment caused by change in the amount and timing of undiscounted liabilities. The columns labeled [1] and [2] reflect the impact of changes in the valuation selected ultimates (i.e. based on unchanged selection of discount rates and risk adjustment). The column "disc rate" reflects the impact of the change in the selected discount rate and claims payment patterns, and the column "margins" reflects the impact of any changes in the selected risk adjustment.

product of life-to-date earned premium for the accident year and the change in the selected ultimate loss ratio).

The **PAYs** overall showed a **\$0.9 million unfavourable** nominal variance or 0.4% of the PAYs nominal unpaid balance of \$214.3 million determined at the end of last month (February 2023) due to unfavourable claim development and update to expected loss ratios for recent years.

The **CAY** LIC impact is a result of the change in the selected loss for accident year **2023 (decreased 0.5 points to 98.2%)**. This change is a result of decreased projected loss ratios in 2023 due to updating the expected loss ratios using the latest rate level factors derived from industry data.

The impacts related to actuarial present value (“apv”) adjustments are split into the impact prior to any change in the selected discount rate and selected risk adjustment factors (at the level they were selected i.e. jurisdiction and coverage), the impact of then updating the discount rate, and finally the impact of any changes to the risk adjustment factors (at the level they were selected). The changes in actuarial present value adjustments are shown in the preceding summary table in columns [2], [4], and [5].

Column [2] recognizes that changing the nominal selections also changed the unpaid estimates (including changes to the relative mix by coverage). This generated a favourable change of \$66 thousand in the actuarial present value adjustments, prior to any changes in the selected discount rate and/or risk adjustment.

Updated projected cash flows were reviewed against the risk-free curve plus illiquidity premium calculated monthly by the Fiera Capital Corporation² as at Dec. 31, 2022. It is assumed that the risk sharing pool cash flows are relatively illiquid. This means a yield curve with a higher illiquidity premium is used for the discounting calculations. Column [4] accounts for the change in the **discount rate** selected (average discount rate increased 12 basis points to **5.53%**), indicating a slight favourable impact, although this is slightly offset by an update to paid emergence selection completed annually in Q4.

Column [5] accounts for any changes to selected risk adjustment factors. The risk adjustment is based on a discounted cost of capital methodology. Capital factors are derived from MCT risk factors. Cost of Capital is determined from target return on equity and P/S ratio assumptions from pricing. Capital requirement is determined from a target MCT ratio based on industry data. Risk adjustment is calibrated annually and there is no change to the selection this quarter.

Risk Sharing Pools are onerous by design, as RSPs are designed for systematic under-pricing, which is expected to be unprofitable. We are assuming all RSPs are groups of onerous contracts. This means that the losses on these onerous contracts are recognized through a loss component upon initial recognition of the business. The change in the loss component is the sum of:

- [1] Losses on onerous contracts: This is the change in the loss component during the reporting period arising from Initial recognition and subsequent re-estimation of the loss component (due to changes in premium or loss ratio projections, for example). The table shown above

² <https://www.fieracapital.com/en/institutional-markets/cia-ifs-17-curves>

splits out the impact of this item for the CAY and FtAY. The expected loss ratio decreased by 0.5% and 0.9% respectively which corresponds to a combined total of **favourable \$3.4 million**.

- [2] Discount rate: This is the change in the loss component due to updating the yield curve. The impact of change in yield curve is **favourable \$1.1 million** driven by increased yields between the current and prior valuation.
- [3]: Reversal of losses on onerous contracts: This is the change in the loss component during the reporting period arising from the portion of the opening LRC earned during the period. This item has been presented in the table above to demonstrate the gradual decline of the loss component expected every month as the losses move from the LRC into the LIC.

Consideration was given to recent legal decisions and changes in legislation / regulation as noted above and outlined in section **Error! Reference source not found.**

1.3 Appointed Actuary and Hybrid Actuarial Services Model

The Annual General Meeting of the members of Facility Association (“FA”) appointed Mr. Cosimo Pantaleo as the Appointed Actuary at its meeting on March 1, 2023.

Facility Association operates under a hybrid model in relation to the management and provision of actuarial services. Under this model, actuarial services are performed by both Facility Association’s internal staff and its external actuarial consulting firm. The hybrid model approach maximizes the efficiency of resource allocation while providing access to additional expertise and capacity as needed.

1.4 Consideration of Recent Legal Decisions and Changes in Legislation / Regulation

Consideration and assessment of potential impacts of legal decisions and changes in legislation / regulation constitutes a regular part of the valuation process. Descriptions of some of the more recent (i.e. within the last five years) changes are provided below.

NEW On **January 26th, 2023**, the **Provincial government of Alberta** decided to freeze insurance rate filings for private passenger vehicles for the duration of calendar year 2023. In response to the policy decision by the government of Alberta, FA has been working to adjust projected rate levels to account for the impact of the rate pause on future premiums and working with member companies to revise estimates of projected risk sharing pool volumes in light of the potential impacts to business volume due to the policy.

In **Jackson v. Cooper, 2022 ABKB 609**, the decision, released on September 9, 2022, clarified the interest rates to be used in the calculation of pre-judgement interest awards on pecuniary damages. As described above, Bill 41 (effective December 9, 2020) amended calculation of pre-judgement interest on non-pecuniary damages in s. 585.2(2) of the Insurance Act. Up for debate was the question of whether this change applied retroactively. The court concluded it does not apply retroactively, and awarded pre-judgement interest at the old rate (4%) from the date of the accident up to the coming into force of s. 585.2(2) (December 9, 2020), and thereafter pre-judgment interest

in accordance with section 4(2) of the Judgment Interest Act.

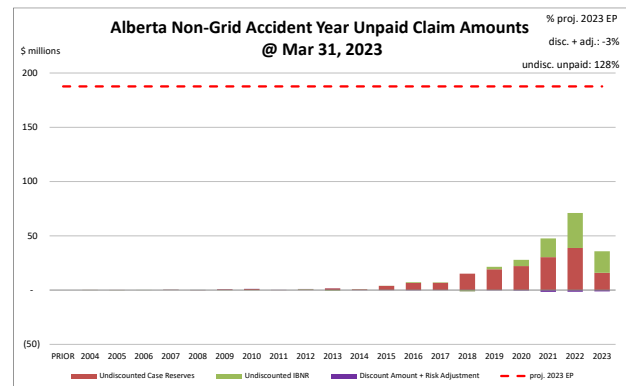
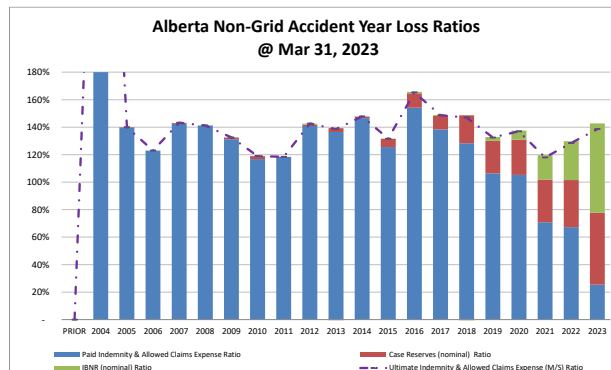
It is unclear whether the estimated impact of Bill 41 (20% reduction to loss cost for Bodily Injury claims, as described above) is affected by this decision. If the underlying assumption of that reduction was a retroactive application of the amendment to pre-judgment interest, it is possible the 20% reduction could be overstated. At this time, no changes have been made in our estimates to reflect this until we can assess whether this ruling represents a material change in the underlying Bill 41 impact assumptions.

Amendments to the **Alberta Automobile Accident Insurance Benefits Regulation, Diagnostic and Treatment Protocols Regulation, and Minor Injury Regulation** came into force effective November 1, 2020, amending definitions and various benefit maximums defined in these regulations. **Alberta Bill 41** (Insurance (Enhancing Driver Affordability and Care) Amendment Act, 2020) **received royal assent on December 9, 2020**. Bill 41 amends the Insurance Act to: 1) control the use of expert witnesses in Court of Queen's Bench proceedings where damages for bodily injury or death arising from use or operation of a motor vehicle as defined in the Traffic Safety Act are claimed; 2) introduce direct compensation for property damage (DCPD) into the province; 3) amend the calculation of pre-judgment interest on damages awarded for bodily injury or death arising directly or indirectly from the use or operation of an automobile; and 4) amend provisions regarding the regulation of auto insurance rates by the Alberta Automobile Insurance Rate Board. Consideration of these changes were included in the industry trend analysis supporting the calculation of our valuation expected loss ratios. There is an estimated 20% reduction to loss costs for Bodily Injury claims in Alberta, as well as an estimated 8% increase in accident benefits loss costs, effective Jan. 1, 2021, which have been reflected in our estimates.

In the **Alberta Treasury Board and Finance Notice 04-2018** (Clarification of Minor Injury Regulation), dated **October 17, 2018**, the Alberta Superintendent of Insurance advised that clarifying amendments have been made to the definition of minor injuries under the Minor Injury Regulation (MIR). Consideration of these changes were included in the industry trend analysis supporting the calculation of our valuation expected loss ratios.

1.5 Current Provision Summary

The following charts show the current levels of claim liabilities³ booked by accident year. The left chart displays life-to-date payments, case reserves, IBNR, and the total including actuarial present value adjustments against accident year earned premium. The right chart shows the associated dollar amounts for the components of the claim liabilities and the current projected amount of 2023 full year earned premium (the red hash-mark line) to provide some perspective.



“M/S” refers to “Member Statement” values – that is, actuarial present value adjustments at the selected discount rate.

liability for incurred claims (\$000s)

| | amt | % |
|-------------------|---------|--------|
| undisc. case | 163,891 | 69.5% |
| undisc. ibnr | 77,221 | 32.8% |
| disc. + risk adj. | (5,331) | (2.3%) |
| LIC | 235,781 | 100.0% |

The current discount and risk adjustments (-\$5.3 million – see the following table) represents -3% of the earned premium projected for the full year 2023 (see the upper right corner of the preceding chart on the right). If our current estimates of the nominal unpaid amounts prove to

match actual claims payments, the actuarial present value adjustments will be released into the net operating result over future periods.

The table to the left breaks down Liability for Incurred Claims total into component parts, showing that the majority of the claim liabilities for this RSP is in case reserves. Approximately 67% of the IBNR balance relates to accident years 2022 and 2023 (see Exhibit B). Approximately 84% of the liabilities for incurred claims are related to accident years 2019-2023 inclusive (i.e. the most recent 5 accident years), and approximately 2% is related to accident years 2012 and prior (i.e. prior to the most recent 10 accident years).

The following tables summarize the liability for remaining coverages and insurance contract liabilities.

liability for remaining coverage (\$000s)

| | amt | % |
|--------------------|----------|---------|
| LRC excl. disc. LC | 52,811 | 35.7% |
| undisc. LC | 143,727 | 97.1% |
| disc. amt | (48,587) | (32.8%) |
| LRC | 147,952 | 100.0% |

insurance contract liabilities (\$000s)

| | amt | % |
|-------------------|----------|---------|
| claim | 241,111 | 62.8% |
| premium | 196,539 | 51.2% |
| disc. + risk adj. | (53,918) | (14.1%) |
| LIC + LRC | 383,732 | 100.0% |

³Claim liabilities refer to provision for unpaid indemnity and allowed claims expenses. Allowed claims expenses are first party legal and other expenses as listed in the RSP Claims Guide. Claims expenses paid through the member company expense allowance are NOT included in this discussion.

2 Activity since previous valuation implementation

2.1 Recorded Premium and Claims Activity

The following table summarizes the extent to which premiums and claims amounts recorded since the prior implementation differ from the prior projection.

Alberta Non-Grid RSP Actual vs Projected Summary: Recorded Transaction Amounts (\$ thousands)

| AY Group | Share Year | Share Month | Actual Earned Premium (000s) | Actual minus Projected Earned Premium (000s) | Actual Paid Claims (000s) | Actual minus Projected Paid Claims (000s) | Actual Recorded Claims (000s) | Actual minus Projected Recorded Claims (000s) |
|-------------|------------|-------------|---------------------------------------|--|------------------------------|--|-------------------------------------|--|
| PAY | 2022 | November | (13) | (13) | 6,184 | 2,885 | 3,150 | 1,971 |
| | | December | (7) | (7) | 4,838 | 655 | 2,668 | 1,524 |
| | 2023 | January | (115) | (115) | 9,864 | 2,279 | 8,742 | 5,846 |
| | | February | (103) | (103) | 9,039 | 1,530 | 4,673 | 1,259 |
| | | March | (95) | (95) | 9,809 | 2,333 | 7,945 | 5,252 |
| PAY Total | | | (333) | (333) | 39,734 | 9,682 | 27,178 | 15,852 |
| CAY | 2022 | November | 13,874 | 37 | 6,935 | (357) | 12,815 | 2,373 |
| | | December | 14,652 | 422 | 7,183 | (1,334) | 12,431 | 657 |
| | 2023 | January | 14,891 | 321 | 442 | (4,296) | 5,190 | (4,323) |
| | | February | 13,977 | 790 | 2,400 | 2,400 | 8,004 | 8,004 |
| | | March | 15,644 | (31) | 4,897 | 4,897 | 10,523 | 10,523 |
| CAY Total | | | 73,038 | 1,539 | 21,857 | 1,310 | 48,963 | 17,234 |
| Grand Total | | | 72,705 | 1,206 | 61,591 | 10,992 | 76,141 | 33,086 |

(Recorded transaction amounts exclude IBNR & other actuarial provisions)

Claims transaction activity is generally volatile and changes from one month to the next are anticipated due to this natural “process variance” (i.e. random variation). Each month, the projection variances are reviewed for signs of projection bias and to identify potential ways to reduce the level of the variance. The variances are also reviewed as part of the quarterly valuation process, as an indicator of changes in the claims development process or potential bias in ultimate claims estimates.

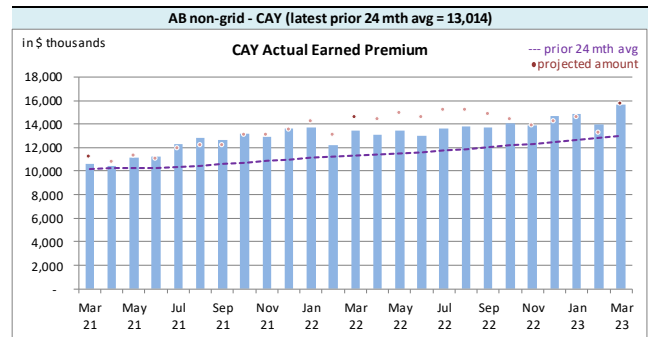
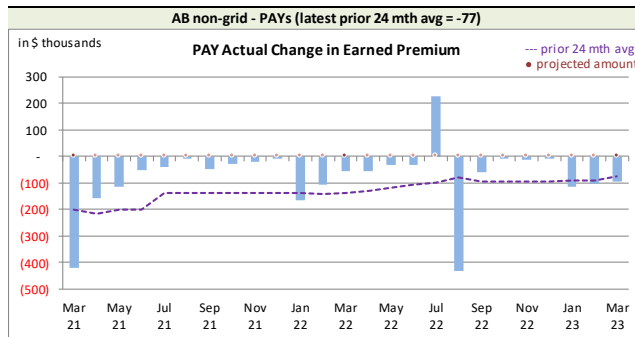
More detailed analysis and commentary on actual vs. projected for the most recent reporting months is provided below.

2.1.a Actual vs. Projected (AvsP): Earned Premium

The following charts show actual **earned premium**⁴ activity in each of the most recent 25 calendar months, along with a “prior 24-month average” to show how each month’s actual compares with the average amount of the preceding 24 calendar months.

⁴Premium is earned on a daily basis based on the transaction term measured in days. As a result, months with 31 days earned relatively more than those with 30 days, and February earns the least.

Alberta non-Grid RSP Actual **Earned Premium** by Calendar Month



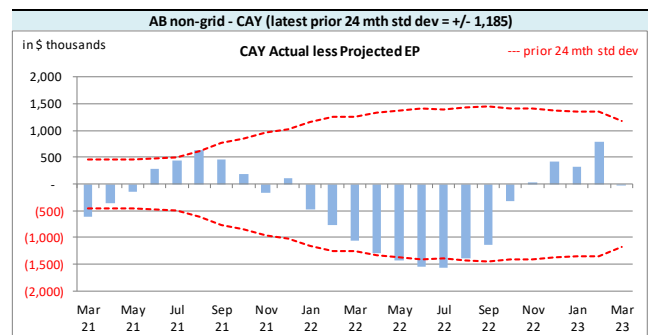
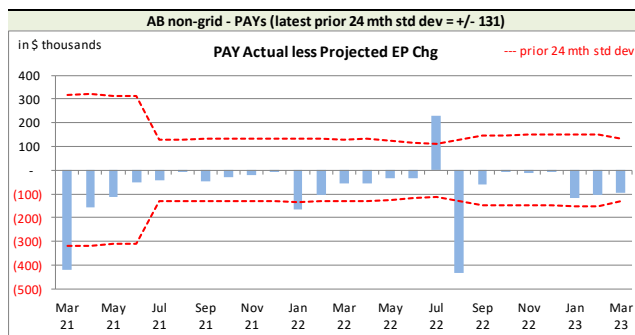
Earned premium changes during a given calendar month in relation to prior accident years tend to be at modest levels, although relatively high levels generally occur at the beginning of each year.

| On Latest \$ thousands | | | |
|----------------------------------|----------------|--------|--------|
| | Earned Premium | PAYs | CAY |
| Mthly Avg EP Chg (prior 24 mths) | | (77) | 13,014 |
| std dev | | 131 | 1,185 |
| A-P <> std dev | | 4 | 5 |
| % <> std dev | | 16.0% | 20.0% |
| norm <> std dev | | 31.7% | 31.7% |
| performance vs 24-mth avg: | | better | better |

The associated variance between the actual changes and the projections from the previous month are shown in the following charts. **Earned premium** change projections are all attributed to the current accident year as the projection upload does not accept **earned premium** changes for other accident years. We do not see this limitation

as being significant for our purposes, but it does mean that the actual less projection variance will equal the actual **earned premium** change in relation to prior accident years.

Alberta non-Grid RSP Actual vs. Projected Summary: **Earned Premium** Variances by Calendar Month



We project **earned premium** changes from known unearned premium and projected written premium levels, but upload the total projections as current accident year (CAY). This process has generated prior accident years' (PAYs) bias⁵, with actuals generally lower than projected, although the magnitude is not high relative to monthly premium. In addition to the PAYs' bias, the CAY has also shown bias⁶, with actuals being generally lower than projected, and while we modified our

⁵The PAYs' variances will show bias as the projection upload forces all earned premium projections to be attributed to the CAY.

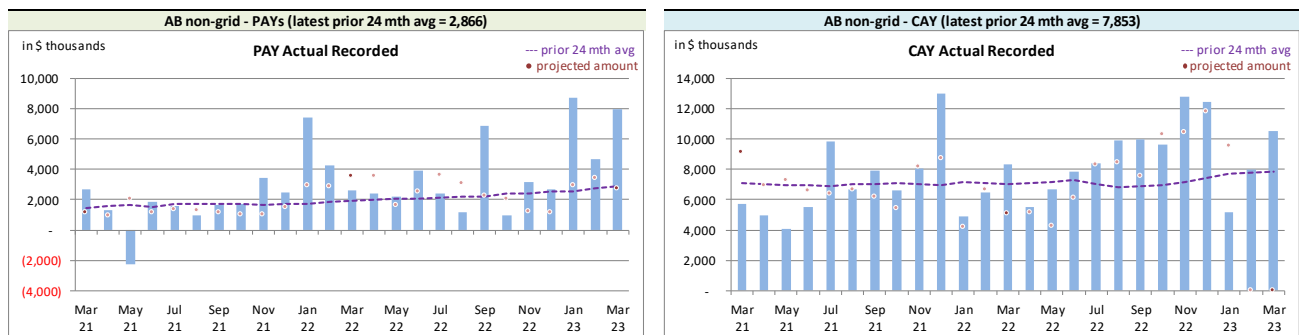
⁶We measure bias based on a 95% confidence range for a binominal distribution with trials based on the range being considered (25 in this case) and 50% probability of success. The rolling 25-month CAY variances at May 2022 had only 3 months where the actuals was higher than projected, and as the 95% confidence range is 8 to 17, bias continues to be indicated.

projections processes in response, bias still exists. Over time, we may consider other projection approaches to address the bias issue, but it is not currently deemed as priority.

2.1.b AvsP: Recorded Indemnity & Allowed Claims Expense

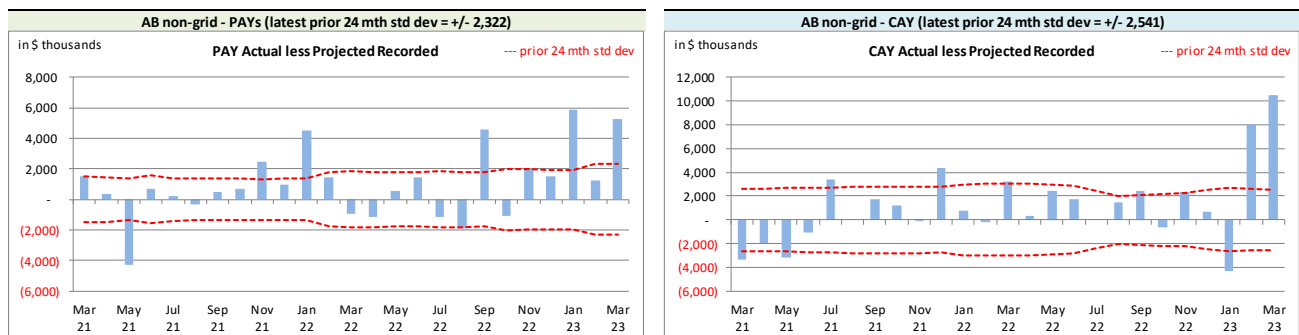
The following charts show actual **recorded** activity (**paid** and case reserve changes), in each of the most recent 25 calendar months, along with a “prior 24-month average” to show how each month’s actual compares with the average amount of the preceding 24 calendar months.

*Alberta non-Grid RSP Actual **Recorded** by Calendar Month*



Recorded activity variances from the previous month’s projections are shown in the following charts, including the “prior 24-month standard deviation” levels to show how the variances from projection compare with historical standard deviations.

*Alberta non-Grid RSP Actual vs Projected Summary: **Recorded** Variances by Calendar Month*



| On Latest \$ thousands | | |
|------------------------------------|-----------------|-----------|
| | Recorded | |
| Mthly Avg Recorded (prior 24 mths) | PAYs 2,866 | CAY 7,853 |
| std dev | 2,322 | 2,541 |
| A-P <> std dev | 8 | 10 |
| % <> std dev | 32.0% | 40.0% |
| norm <> std dev | 31.7% | 31.7% |
| performance vs 24-mth avg: | no better | worse |

With respect to **recorded** indemnity & allowed claims expense activity, 32% of the prior accident years’ (PAYs) variances over the last 25 calendar months have fallen outside of one standard deviation of the actual **recorded** amounts (see table on left), suggesting the projection process has performed better than simply projecting the prior 24-month average amount (assuming it follows a normal distribution). Bias has been indicated at a 95% confidence level on a rolling 25-month basis (18 of 25 variances are positive).

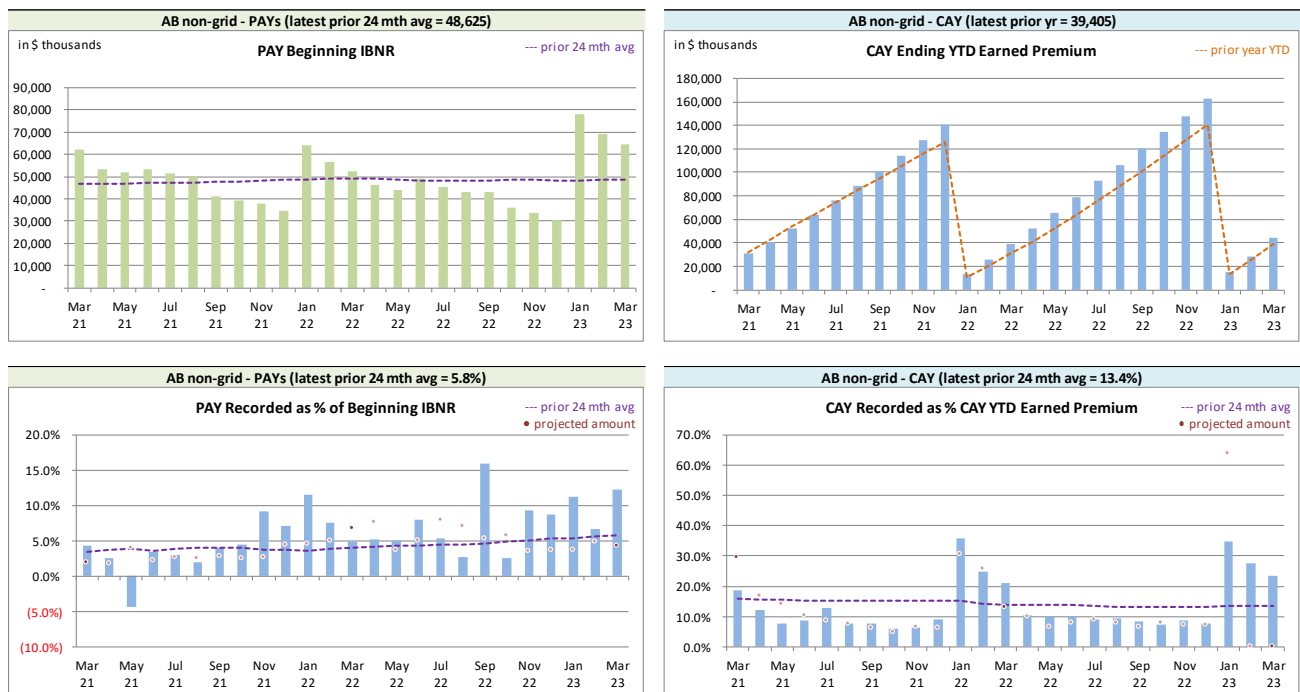
The current accident year (CAY) **recorded** variances fell outside of one standard deviation 40% of the

time over the last 25 calendar months (see the preceding table on the left), suggesting that the projection process has performed worse than simply projecting the prior 24-month average amount. Bias has not been indicated at a 95% confidence level on a rolling 25-month basis (17 of 25 variances are positive).

The method for establishing IBNR adjusts automatically for changes in **earned premium** and **recorded** claims activity level (see sections 2.2 and 3).

We have included, for reference, the following charts related to levels influencing **recorded** activity.

Alberta non-Grid RSP Levels that influence⁷ Recorded activity by Calendar Month



We track PAY beginning IBNR as **recorded** activity comes out of IBNR. Changes in the PAY beginning IBNR (see upper left of the preceding group of charts) occur for several possible reasons:

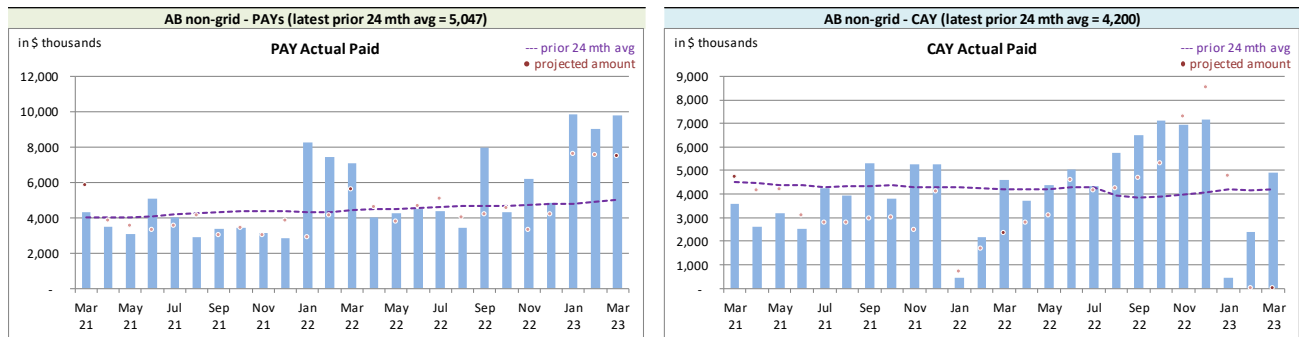
- to offset actual **recorded** activity (through loss ratio matching);
- the annual switchover as a CAY becomes a PAY (occurs in January); and
- when a new valuation is implemented, where the valuation resulted in changes to the selection of PAYs' ultimates (will show up as a beginning IBNR change one month after the valuation is implemented, i.e. the change will generally show in April, June, September, and November).

⁷Our recorded activity projections for the prior accident years are based on selected ratios of recorded activity to beginning unpaid balances, whereas the current accident year projections are based on selected ratios of year-to-date IBNR to year-to-date selected ultimate (i.e. selected LR x earned premium), deriving year-to-date recorded as selected ultimate less IBNR. In both cases, the ratio selection is based on our review of the more recent recorded activity and recent AvsP analyses.

2.1.c AvsP: Paid Indemnity & Allowed Claims Expense

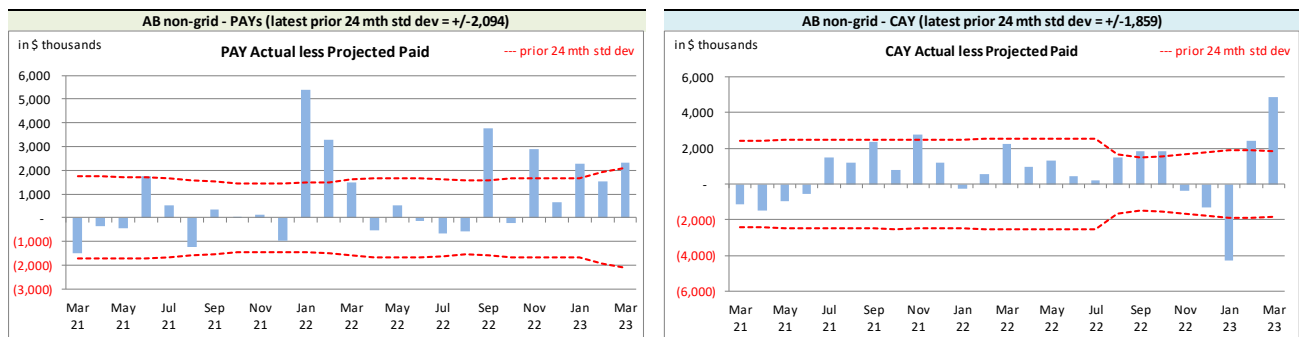
The following charts show actual **paid** activity in each of the most recent 25 calendar months, along with a “prior 24-month average” to show how each month’s actual compares with the average amount of the preceding 24 calendar months.

*Alberta non-Grid RSP Actual **Paid** activity by Calendar Month*



Paid activity variances from the previous month’s projections are shown in the following charts, including the “prior 24-month standard deviation” levels to show how the variances from projection compare with historical standard deviations.

*Alberta non-Grid RSP Actual vs Projected Summary: **Paid** Variances by Calendar Month*



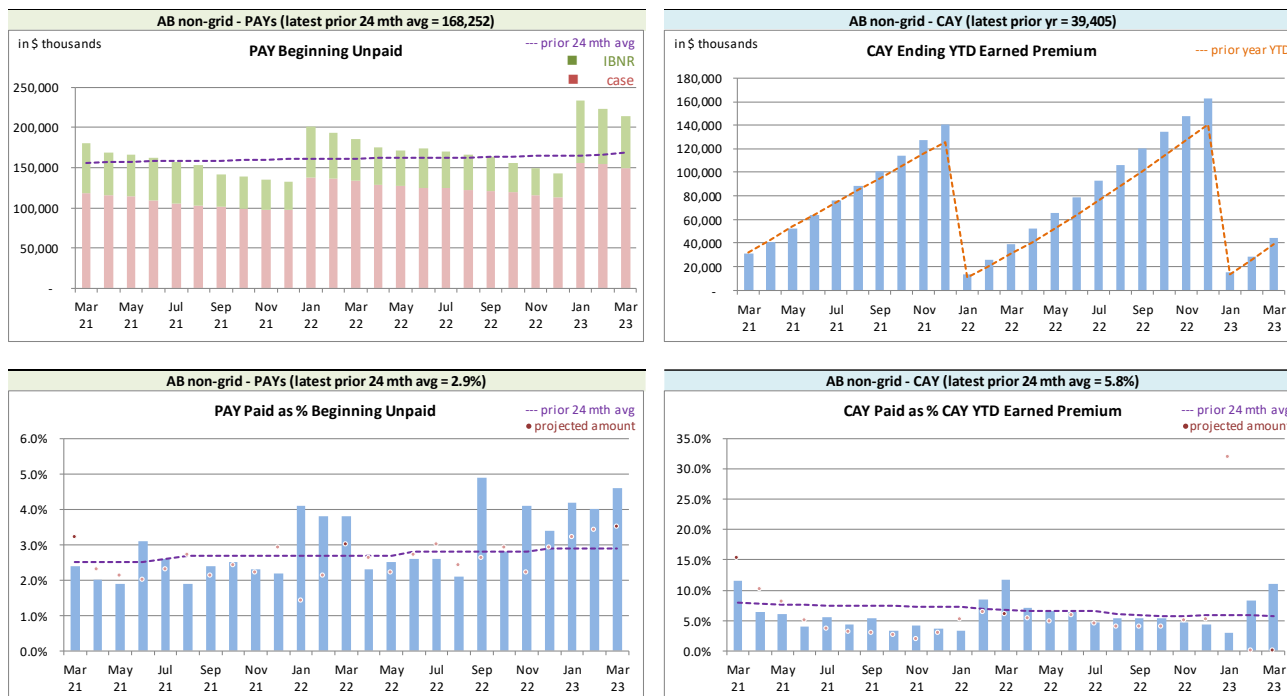
| On Latest \$ thousands | | | |
|--------------------------------|-------------|-------|--------|
| | Paid | PAYs | CAY |
| Mthly Avg Paid (prior 24 mths) | | 5,047 | 4,200 |
| std dev | | 2,094 | 1,859 |
| A-P <> std dev | | 7 | 6 |
| % <> std dev | | 28.0% | 24.0% |
| norm <> std dev | | 31.7% | 31.7% |
| performance vs 24-mth avg: | no better | | better |

With respect to **paid** indemnity & allowed claims expense, 28% of the prior accident years’ (PAYs) variances over the last 25 calendar months have fallen outside of one standard deviation of the actual **paid** amounts (see table on left), suggesting the projection process has performed better than simply projecting the prior 24-month average amount (assuming it follows a normal distribution). Bias has not been indicated at a 95% confidence level on a lagging 24-month basis (15 of 25 variances are positive).

The current accident year (CAY) **paid** variances fell outside of one standard deviation 24% of the time over the last 25 calendar months (see the preceding table), suggesting the projection process has performed better than simply projecting the prior 24-month average amount. Bias has not been indicated at a 95% confidence level on a rolling 25-month basis (17 of 25 variances are positive).

We have included, for reference, the following charts related to levels influencing **paid** activity.

Alberta non-Grid RSP Levels that influence⁸ **Paid** activity by Calendar Month



We track the PAY beginning unpaid balance (case and IBNR) as **paid** activity comes out of the unpaid balance. Changes in the PAY beginning unpaid balance (see upper left of the preceding group of charts) occur for several possible reasons:

- to offset actual **paid** activity (may reduce case or IBNR or both);
- the annual switchover as a CAY becomes a PAY (occurs in January); and
- when a new valuation is implemented, where the valuation resulted in changes to the selection of PAYs' ultimates (will show up as a beginning unpaid balance change one month after the valuation is implemented, i.e. the change will generally show in April, June, September, and November).

2.2 Actuarial Provisions

An ultimate loss ratio matching method (described in section 3) is used to determine the month's IBNR⁹, and factors are applied to the nominal unpaid claims liability (case plus IBNR) to determine the discount amount (shown as a negative value to indicate its impact of reducing the liability) and the Provisions for Adverse Deviations. The loss ratios and the factors used to determine the

⁸Our paid projections for the prior accident years are based on selected ratios of paid to beginning unpaid balances, whereas the current accident year projections are based on selected ratios of year-to-date paid to year-to-date selected ultimate indemnity (i.e. selected LR x earned premium). In both cases, the ratio selection is based on our review of the more recent recorded activity and recent AvsP analyses.

⁹For ease of discussion, "IBNR" is used in place of "provisions for incurred but not recorded (IBNR) and development".

projections and actuals were based on the applicable valuation.

Exhibit G shows the accident year IBNR amount change from last month to this month broken down into:

- (i) the change projected last month;
- (ii) the additional change due to variances in earned premium (because we apply a loss ratio to earned premium in determining ultimate level) and/or recorded claims (as IBNR is calculated as ultimate less recorded) differences; and
- (iii) the additional change due to valuation implementation impacts (as applicable)

3 Ultimate Loss Ratio Matching Method

An “ultimate loss ratio matching method” continues to be applied to the current month and two projected months shown in the Operational Reports, with IBNR determined by accident year as follows:

- (a) Earned premium to-date
- (b) Ultimate loss¹⁰ ratio per latest valuation
- (c) Estimated ultimate incurred = (a) x (b)
- (d) Recorded indemnity & allowed claims expense to-date
- (e) IBNR = (c) – (d)

4 Calendar Year-to-Date Results

The following table summarizes the calendar year-to-date results for indemnity & allowed claims expenses¹¹, including IBNR.

In calculating the amounts as percentages of earned premium, the calendar year-to-date earned premium has been used, which includes earned premium associated with the current accident year but also earned premium adjustments related to prior accident years. Specifically, the current accident year (CAY) ratio in the table is 97.7% matching the 97.7% from the valuation ultimate ratio for accident year 2023, as the calendar year-to-date earned premium includes prior accident year earned premium adjustments. (Note that the ratios in this table may differ slightly from those shown in the Alberta Non-Grid RSP Summary of Operations due to rounding.)

¹⁰“Loss” here refers to indemnity and allowed claims expenses, but does not include the claims expense allowance included in member company overall expense allowances (“Expense Allowance” in the Operational Report).

¹¹Allowed claims expenses are first party legal and other expenses as listed in the RSP Claims Guide. Claims expenses paid through the member company expense allowance are NOT included in this analysis.

Alberta Non-Grid RSP Calendar Year-to-Date Indemnity & Allowed Claims Expense Summary (\$ thousands)

| | YTD Nominal Values | | YTD actuarial present value adjustment | | YTD Total | |
|-------|--------------------|-------|--|--------|-----------|--------|
| | Amount | %EP | Amount | %EP | Amount | %EP |
| PAYs | 634 | 1.4% | 3,336 | 7.5% | 3,969 | 8.9% |
| CAY | 43,488 | 97.7% | (1,238) | (2.8%) | 42,250 | 94.9% |
| TOTAL | 44,121 | 99.1% | 2,098 | 4.7% | 46,219 | 103.8% |

(" % EP " based on 2023 calendar year-to-date earned premium; ratios may not total due to rounding)

In general, prior accident years (PAYs) changes from last month are due to the release of the actuarial present value adjustments with claims payments, except when valuations are implemented. The loss ratio change year-to-date in Table 04 reflects not only changes in the prior accident year levels, but also the increase in the calendar year-to-date earned premium with an additional month's earned premium, and due the impact of valuation implementation.

For the current accident year (CAY), changes in the year-to-date total reflects the additional month's exposure and regular changes to actuarial present value adjustments as the year ages, and due the impact of valuation implementation.

5 Current Operational Report – Additional Exhibits

Section 6 provides exhibits pertaining to the actuarial provisions reflected in the current month's Operational Report.

IBNR (including actuarial present value adjustments) presented in section 6, Exhibit A, were derived on a discounted basis, and therefore reflect the time value of money and include an explicit provision for adverse deviations in accordance with accepted actuarial practice in Canada.

IBNR presented in section 6, Exhibit B, does NOT include any actuarial present value adjustments. The "Total IBNR" from this exhibit is shown in the Operational Report as "Undiscounted IBNR".

The ultimate loss ratios detailed in section 6, Exhibit B, refer to the estimates derived on the basis of various actuarial methodologies applied to the experience of the Alberta Non-Grid Risk Sharing Pool for the purposes of the most recent quarterly valuation. As discussed in section 3, IBNR reflected in the current month's Operational Report was derived as the difference between the estimated ultimate for the claims amount (i.e. earned premium x ultimate loss ratio) and the associated current recorded amounts (life-to-date payments plus current case reserves).

In addition to the exhibits printed below, we are making supplementary data files available for download from our website for members who require additional detailed data on the LRC calculation as well as the payment patterns and actual and projected premiums, risk adjustment, interest rate, loss ratios and expenses of the pools.

6 EXHIBITS

The exhibits listed below are provided on the pages that follow:

| | |
|-----------|--|
| EXHIBIT A | IBNR for Member Sharing – includes Actuarial Present Value Adjustments |
| EXHIBIT B | IBNR |
| EXHIBIT C | Liability for Remaining Coverage |
| EXHIBIT D | Projected Year-end Policy Liabilities |
| EXHIBIT E | Risk Adjustment & Discount Rate |
| EXHIBIT F | Interest Rate Sensitivity |
| EXHIBIT G | Components of IBNR Change During Month |

Additional exhibits available online:

[LRC Calculation file](#)

[Detailed valuation results](#)

EXHIBIT A

IBNR for Member Sharing – includes Actuarial Present Value Adjustments

| EXHIBIT A - IBNR + M/S Actuarial Present Value Adjustments: RSP Alberta Non-Grid | | | | | | | | |
|--|--------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| amounts in \$000s | | | | | | | | |
| Accident Year | Actual Feb 2023 | Actual Mar 2023 | Projected Apr 2023 | Projected May 2023 | Projected Jun 2023 | Projected Jul 2023 | Projected Aug 2023 | Projected Dec 2023 |
| prior | - | - | - | - | - | - | - | - |
| 2004 | 37 | 37 | 37 | 37 | 38 | 38 | 38 | 40 |
| 2005 | (1) | (1) | (0) | (0) | 0 | 1 | 1 | 2 |
| 2006 | 45 | 45 | 45 | 45 | 46 | 46 | 46 | 47 |
| 2007 | 82 | 87 | 89 | 91 | 93 | 95 | 96 | 104 |
| 2008 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 58 |
| 2009 | (524) | 34 | 29 | 24 | 18 | 20 | 21 | 29 |
| 2010 | 1 | 47 | 49 | 50 | 51 | 42 | 32 | 27 |
| 2011 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 |
| 2012 | 435 | 431 | 435 | 439 | 442 | 447 | 451 | 466 |
| 2013 | (533) | (481) | (477) | (474) | (471) | (469) | (468) | (459) |
| 2014 | (74) | 13 | 12 | 10 | 9 | 12 | 16 | 26 |
| 2015 | (176) | 62 | 71 | 79 | 86 | 87 | 87 | 129 |
| 2016 | (662) | 492 | 483 | 474 | 464 | 467 | 469 | 338 |
| discount rate: 5.53% | 2017 | 306 | 284 | 304 | 320 | 333 | 369 | 403 |
| | 2018 | 590 | (1,229) | (1,111) | (999) | (893) | (809) | (731) |
| | 2019 | 3,623 | 1,984 | 1,952 | 1,914 | 1,871 | 1,801 | 1,727 |
| weighted average risk adjustment factor: 9.50% | 2020 | 4,682 | 5,274 | 4,947 | 4,614 | 4,274 | 4,061 | 3,841 |
| | 2021 | 12,365 | 15,592 | 14,955 | 14,309 | 13,653 | 13,018 | 12,374 |
| | 2022 | 38,167 | 30,628 | 30,036 | 29,443 | 28,850 | 27,928 | 27,006 |
| | 2023 | 14,227 | 18,532 | 23,365 | 28,975 | 34,116 | 37,291 | 40,522 |
| | TOTAL | 72,646 | 71,890 | 75,280 | 79,412 | 83,038 | 84,504 | 85,992 |
| | Change | | (756) | 3,390 | 4,132 | 3,627 | 1,466 | 1,488 |

Please see Exhibit G, page 1 for Components of Change during Current Month

EXHIBIT B

IBNR

| EXHIBIT B - Undiscounted IBNR: RSP Alberta Non-Grid | | | | | | | | | |
|---|------------------|--------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| amounts in \$000s | | | | | | | | | |
| Ultimate Loss Ratio | Accident Year | Actual Feb 2023 | Actual Mar 2023 | Projected Apr 2023 | Projected May 2023 | Projected Jun 2023 | Projected Jul 2023 | Projected Aug 2023 | Projected Dec 2023 |
| | prior | - | - | - | - | - | - | - | - |
| 349.3% | 2004 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 97.4% | 2005 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| 87.0% | 2006 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 101.9% | 2007 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 101.1% | 2008 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| 95.3% | 2009 | (524) | (18) | (18) | (18) | (18) | (18) | (18) | (18) |
| 85.1% | 2010 | (3) | (24) | (24) | (24) | (24) | (24) | (24) | (24) |
| 84.4% | 2011 | 3 | (0) | (0) | (0) | (0) | (0) | (0) | (0) |
| 101.2% | 2012 | 477 | 423 | 423 | 423 | 423 | 423 | 423 | 423 |
| 98.8% | 2013 | (463) | (508) | (508) | (508) | (508) | (508) | (508) | (508) |
| 105.9% | 2014 | (16) | 14 | 10 | 5 | - | - | - | - |
| 94.3% | 2015 | 159 | 126 | 116 | 106 | 95 | 80 | 64 | 49 |
| 117.1% | 2016 | (279) | 681 | 638 | 594 | 550 | 522 | 493 | 251 |
| 105.0% | 2017 | 552 | 381 | 365 | 350 | 334 | 343 | 352 | 385 |
| 103.9% | 2018 | 865 | (1,169) | (1,114) | (1,060) | (1,005) | (968) | (930) | (789) |
| 92.4% | 2019 | 3,911 | 2,199 | 2,066 | 1,933 | 1,801 | 1,647 | 1,494 | 1,048 |
| 95.2% | 2020 | 5,258 | 5,722 | 5,261 | 4,800 | 4,340 | 4,013 | 3,686 | 2,462 |
| 83.4% | 2021 | 13,963 | 17,241 | 16,358 | 15,475 | 14,592 | 13,742 | 12,891 | 9,666 |
| 90.8% | 2022 | 40,476 | 32,191 | 31,555 | 30,920 | 30,284 | 29,334 | 28,383 | 24,491 |
| 97.7% | 2023 | 15,153 | 19,770 | 24,925 | 30,885 | 36,358 | 39,828 | 43,356 | 47,756 |
| | TOTAL | 79,723 | 77,221 | 80,244 | 84,072 | 87,414 | 88,605 | 89,853 | 85,383 |
| | Change | | (2,502) | 3,023 | 3,828 | 3,341 | 1,191 | 1,249 | |

Please see Exhibit G, page 2 for Components of Change during Current Month

EXHIBIT C

Premium Liabilities

| EXHIBIT C - Liability for Remaining Coverage: RSP Alberta Non-Grid | | | | | | | | |
|--|--------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| amounts in \$000s | | | | | | | | |
| Accident Year | Actual Feb 2023 | Actual Mar 2023 | Projected Apr 2023 | Projected May 2023 | Projected Jun 2023 | Projected Jul 2023 | Projected Aug 2023 | Projected Dec 2023 |
| LRC excl. Loss Component | | | | | | | | |
| 2023 | 52,514 | 51,414 | 48,994 | 45,712 | 42,284 | 36,865 | 31,467 | (215) |
| 2024 | 339 | 1,398 | 3,601 | 6,738 | 11,041 | 16,760 | 23,493 | 56,191 |
| 2025 | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | - | - | - | - |
| Total | 52,853 | 52,811 | 52,595 | 52,450 | 53,324 | 53,625 | 54,960 | 55,976 |
| Undiscounted Loss Component | | | | | | | | |
| 2023 | 66,111 | 58,244 | 52,075 | 45,530 | 39,175 | 32,521 | 25,838 | - |
| 2024 | 87,483 | 85,483 | 85,483 | 85,483 | 85,483 | 85,483 | 85,483 | 85,483 |
| 2025 | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | - | - | - | - |
| Total | 153,594 | 143,727 | 137,558 | 131,013 | 124,658 | 118,004 | 111,321 | 85,483 |
| Discounted Loss Component | | | | | | | | |
| 2023 | 44,474 | 38,164 | 34,264 | 30,081 | 25,991 | 21,676 | 17,293 | - |
| 2024 | 59,760 | 56,976 | 57,104 | 57,199 | 57,197 | 57,229 | 57,267 | 57,870 |
| 2025 | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | - | - | - | - |
| Total | 104,235 | 95,140 | 91,368 | 87,280 | 83,188 | 78,905 | 74,561 | 57,870 |
| LRC incl. Loss Component | | | | | | | | |
| 2023 | 96,988 | 89,578 | 83,258 | 75,793 | 68,275 | 58,541 | 48,761 | (215) |
| 2024 | 60,099 | 58,374 | 60,705 | 63,937 | 68,238 | 73,989 | 80,760 | 114,060 |
| 2025 | - | - | - | - | - | - | - | - |
| 2026 | - | - | - | - | - | - | - | - |
| Total | 157,088 | 147,952 | 143,963 | 139,730 | 136,513 | 132,530 | 129,521 | 113,846 |

EXHIBIT D

Projected Year-end Policy Liabilities

The table below presents the projected policy liabilities as at December 31, 2023, broken down by component.

| Alberta Non- | | | Projected Balances as at Dec. 31, 2023 (\$000s) | | | | | | | | | |
|---------------|----------------|--------|---|--|-----------------|-------------------------------------|---------------------------|-----------------------------|-----------------|--|--------------------------|--------------------------------------|
| | | | | | | | | | | | | |
| Ending 2023 | nominal values | | | actuarial present value adjustments (apvs) | | | | | | | | |
| Accident Year | Case | IBNR | Total Unpaid | Discount Amount | Risk Adjustment | Liability for Incurred Claims (LIC) | Discounted Loss Component | Undiscounted Loss Component | Discount Amount | Liability for Remaining Coverage (LRC) | LRC excl. Loss Component | Total Insurance Contract Liabilities |
| prior | - | - | - | - | - | - | - | - | - | - | - | - |
| 2004 | 26 | 37 | 63 | 3 | - | 66 | - | - | - | - | - | 66 |
| 2005 | 75 | (1) | 74 | 3 | - | 77 | - | - | - | - | - | 77 |
| 2006 | - | 45 | 45 | 2 | - | 47 | - | - | - | - | - | 47 |
| 2007 | 302 | 54 | 356 | 12 | 38 | 405 | - | - | - | - | - | 405 |
| 2008 | (35) | 56 | 22 | 1 | 1 | 23 | - | - | - | - | - | 23 |
| 2009 | 398 | (18) | 380 | 9 | 38 | 427 | - | - | - | - | - | 427 |
| 2010 | 484 | (24) | 460 | 3 | 48 | 511 | - | - | - | - | - | 511 |
| 2011 | 58 | (0) | 58 | (2) | 6 | 61 | - | - | - | - | - | 61 |
| 2012 | 424 | 423 | 848 | (40) | 83 | 891 | - | - | - | - | - | 891 |
| 2013 | 1,243 | (508) | 734 | (24) | 73 | 783 | - | - | - | - | - | 783 |
| 2014 | 655 | - | 655 | (37) | 63 | 681 | - | - | - | - | - | 681 |
| 2015 | 3,145 | 49 | 3,194 | (216) | 296 | 3,274 | - | - | - | - | - | 3,274 |
| 2016 | 5,715 | 251 | 5,966 | (472) | 559 | 6,053 | - | - | - | - | - | 6,053 |
| 2017 | 4,455 | 385 | 4,840 | (327) | 460 | 4,973 | - | - | - | - | - | 4,973 |
| 2018 | 9,524 | (789) | 8,736 | (505) | 831 | 9,061 | - | - | - | - | - | 9,061 |
| 2019 | 14,748 | 1,048 | 15,796 | (1,000) | 1,496 | 16,291 | - | - | - | - | - | 16,291 |
| 2020 | 17,842 | 2,462 | 20,303 | (1,410) | 1,918 | 20,812 | - | - | - | - | - | 20,812 |
| 2021 | 27,370 | 9,666 | 37,036 | (3,017) | 3,229 | 37,248 | - | - | - | - | - | 37,248 |
| 2022 | 33,380 | 24,491 | 57,871 | (6,179) | 4,906 | 56,598 | - | - | - | - | - | 56,598 |
| PAYs subtotal | 119,809 | 37,627 | 157,436 | (13,195) | 14,043 | 158,284 | - | - | - | - | - | 158,284 |
| CAY (2023) | 60,394 | 47,756 | 108,151 | (12,795) | 9,050 | 104,405 | - | - | - | (215) | (215) | 104,191 |
| FIAY (2024) | - | - | - | - | - | - | 57,870 | 85,483 | (27,614) | 114,060 | 56,191 | 114,060 |
| Total | 180,203 | 85,383 | 265,587 | (25,990) | 23,093 | 262,689 | 57,870 | 85,483 | (27,614) | 113,846 | 55,976 | 376,535 |

EXHIBIT E

Risk Adjustment & Discount Rate

The tables below present selected risk adjustment factor by coverage (the total is a weighted average, based on the unpaid claims projection for December 31, 2023 from the valuation), followed by the selected discount rate.

Risk Adjustment Factors: RSP Alberta Non-Grid

| Coverage | Government Line | Alberta Non-Grid |
|-----------------------|------------------------|-------------------------|
| Bodily Injury | Third Party Liability | 10.26% |
| Property Damage | Third Party Liability | 3.09% |
| AccBen (indivis) | Accident Benefits | 6.00% |
| Underinsured Motorist | Other Coverages | 10.68% |
| Collision w AP | Other Coverages | 0.15% |
| Comprehensive w SP | Other Coverages | 2.58% |
| Total | Total | 9.50% |

discount rate: 5.53%

EXHIBIT F

Interest Rate Sensitivity

The tables below present sensitivity to the member statement claims liability as projected to Dec. 31, 2023 from the latest valuation date (projections in exhibits A to D are to Dec. 31, 2023, and are based on more up-to-date information). We have included the most recent valuation selection (5.53%), the prior valuation assumption (3.56%) and the prior fiscal year end valuation assumption (1.05%) for comparative purposes. A 25 basis point margin for investment return adverse deviation is used in all scenarios presented.

| Actuarial Present Value of Provisions at Various Discount Rates - Dec. 31, 2023 projected Unpaid | | | | | | | | |
|--|---------------|--------------|---------------------|-------------|--------------|--------------|----------------------|--------------------------|
| AY | 4.53% | 5.03% | 5.53% | 6.03% | 6.53% | 7.03% | 3.56% | 3.56% |
| 2005 & prior | - | - | - | - | - | - | - | - |
| 2005 | - | - | - | - | - | - | - | - |
| 2006 | - | - | - | - | - | - | - | - |
| 2007 | - | - | - | - | - | - | - | - |
| 2008 | - | - | - | - | - | - | - | - |
| 2009 | 60 | 60 | 59 | 59 | 59 | 59 | 61 | 61 |
| 2010 | 419 | 419 | 418 | 417 | 417 | 416 | 420 | 420 |
| 2011 | 36 | 35 | 35 | 35 | 35 | 35 | 36 | 36 |
| 2012 | 1,030 | 1,025 | 1,021 | 1,017 | 1,013 | 1,008 | 1,038 | 1,038 |
| 2013 | 716 | 711 | 705 | 700 | 694 | 689 | 728 | 728 |
| 2014 | 534 | 530 | 527 | 524 | 521 | 517 | 540 | 540 |
| 2015 | 3,092 | 3,067 | 3,043 | 3,019 | 2,995 | 2,972 | 3,142 | 3,142 |
| 2016 | 5,667 | 5,610 | 5,553 | 5,498 | 5,443 | 5,390 | 5,783 | 5,783 |
| 2017 | 4,557 | 4,503 | 4,450 | 4,398 | 4,348 | 4,298 | 4,665 | 4,665 |
| 2018 | 8,816 | 8,727 | 8,640 | 8,555 | 8,473 | 8,392 | 8,995 | 8,995 |
| 2019 | 15,694 | 15,557 | 15,423 | 15,292 | 15,164 | 15,039 | 15,970 | 15,970 |
| 2020 | 22,643 | 22,434 | 22,231 | 22,032 | 21,838 | 21,648 | 23,061 | 23,061 |
| 2021 | 35,937 | 35,571 | 35,214 | 34,866 | 34,525 | 34,193 | 36,671 | 36,671 |
| 2022 | 58,780 | 58,136 | 57,507 | 56,894 | 56,295 | 55,711 | 60,076 | 60,076 |
| Total | 244,432 | 241,759 | 239,152 | 236,608 | 234,125 | 231,700 | 249,811 | 249,811 |
| | curr - 100 bp | curr - 50 bp | curr val assumption | curr + 50bp | curr + 100bp | curr + 150bp | prior val assumption | prior fyr end assumption |

| Dollar Impact Relative to Valuation Assumption | | | | | | | | |
|--|---------------|--------------|---------------------|-------------|--------------|--------------|----------------------|--------------------------|
| AY | 4.53% | 5.03% | 5.53% | 6.03% | 6.53% | 7.03% | 3.56% | 3.56% |
| Total | 5,279 | 2,607 | - | (2,544) | (5,028) | (7,452) | 10,659 | 10,659 |
| | curr - 100 bp | curr - 50 bp | curr val assumption | curr + 50bp | curr + 100bp | curr + 150bp | prior val assumption | prior fyr end assumption |

| Percentage Impact Relative to Valuation Assumption | | | | | | | | |
|--|---------------|--------------|---------------------|-------------|--------------|--------------|----------------------|--------------------------|
| AY | 4.53% | 5.03% | 5.53% | 6.03% | 6.53% | 7.03% | 3.56% | 3.56% |
| 2005 & prior | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 2005 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 2006 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 2007 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 2008 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 2009 | 0.9% | 0.5% | 0.0% | -0.5% | -0.9% | -1.4% | 1.9% | 1.9% |
| 2010 | 0.3% | 0.2% | 0.0% | -0.2% | -0.3% | -0.5% | 0.6% | 0.6% |
| 2011 | 0.6% | 0.3% | 0.0% | -0.3% | -0.6% | -0.9% | 1.3% | 1.3% |
| 2012 | 0.9% | 0.4% | 0.0% | -0.4% | -0.8% | -1.2% | 1.7% | 1.7% |
| 2013 | 1.6% | 0.8% | 0.0% | -0.8% | -1.6% | -2.3% | 3.2% | 3.2% |
| 2014 | 1.3% | 0.6% | 0.0% | -0.6% | -1.2% | -1.8% | 2.5% | 2.5% |
| 2015 | 1.6% | 0.8% | 0.0% | -0.8% | -1.6% | -2.3% | 3.3% | 3.3% |
| 2016 | 2.1% | 1.0% | 0.0% | -1.0% | -2.0% | -2.9% | 4.1% | 4.1% |
| 2017 | 2.4% | 1.2% | 0.0% | -1.2% | -2.3% | -3.4% | 4.8% | 4.8% |
| 2018 | 2.0% | 1.0% | 0.0% | -1.0% | -1.9% | -2.9% | 4.1% | 4.1% |
| 2019 | 1.8% | 0.9% | 0.0% | -0.8% | -1.7% | -2.5% | 3.6% | 3.6% |
| 2020 | 1.9% | 0.9% | 0.0% | -0.9% | -1.8% | -2.6% | 3.7% | 3.7% |
| 2021 | 2.1% | 1.0% | 0.0% | -1.0% | -2.0% | -2.9% | 4.1% | 4.1% |
| 2022 | 2.2% | 1.1% | 0.0% | -1.1% | -2.1% | -3.1% | 4.5% | 4.5% |
| 2023 | 2.5% | 1.2% | 0.0% | -1.2% | -2.4% | -3.5% | 5.1% | 5.1% |
| Total | 2.2% | 1.1% | 0.0% | -1.1% | -2.1% | -3.1% | 4.5% | 4.5% |
| | curr - 100 bp | curr - 50 bp | curr val assumption | curr + 50bp | curr + 100bp | curr + 150bp | prior val assumption | prior fyr end assumption |

EXHIBIT G

Page 1 of 2

Components of Member Statement IBNR (i.e. “Discounted”) Change

| EXHIBIT G - Components of Change in M/S IBNR (i.e. IBNR + Discount Amount + Risk Adjustment): RSP Alberta Non-Grid | | | | | | | |
|--|----------------------------|------------------|------------------------------|--|----------------|-------------------|----------------------------|
| 10/31/2022 to 3/31/2023 | | | | | | | |
| amounts in \$000s | | | | | | | |
| Accident Year | Prior Implementation Month | Projected Change | Change Due to AvsP Variances | Change Due to Valuation Implementation | Total Change | % of Total Change | Current Month Final Amount |
| prior | - | - | - | - | - | - | - |
| 2004 | 37 | 4 | (4) | - | - | - | 37 |
| 2005 | (1) | 8 | (8) | - | - | - | (1) |
| 2006 | 45 | 2 | (2) | - | - | - | 45 |
| 2007 | 81 | (89) | 67 | 29 | 6 | 7.5% | 87 |
| 2008 | 56 | (10) | 12 | (1) | 1 | 1.2% | 57 |
| 2009 | (0) | 15 | (539) | 558 | 34 | (75,155.6%) | 34 |
| 2010 | 4 | 55 | (82) | 71 | 44 | 1,207.8% | 47 |
| 2011 | (1) | 4 | (0) | (1) | 3 | (193.9%) | 1 |
| 2012 | (53) | 97 | 358 | 29 | 484 | (907.6%) | 431 |
| 2013 | (133) | 537 | (840) | (44) | (348) | 262.4% | (481) |
| 2014 | (49) | (216) | 250 | 28 | 63 | (127.3%) | 13 |
| 2015 | (200) | 934 | (589) | (83) | 262 | (130.8%) | 62 |
| 2016 | (668) | 675 | (163) | 648 | 1,159 | (173.6%) | 492 |
| 2017 | 439 | 115 | 55 | (325) | (155) | (35.3%) | 284 |
| 2018 | 1,319 | (235) | (2,449) | 136 | (2,548) | (193.1%) | (1,229) |
| 2019 | 4,738 | (956) | (690) | (1,108) | (2,753) | (58.1%) | 1,984 |
| 2020 | 7,697 | (1,941) | (1,527) | 1,045 | (2,423) | (31.5%) | 5,274 |
| 2021 | 16,266 | (3,060) | (948) | 3,334 | (674) | (4.1%) | 15,592 |
| 2022 | 45,536 | (924) | (8,125) | (5,859) | (14,908) | (32.7%) | 30,628 |
| 2023 | - | 31,760 | (12,494) | (734) | 18,532 | - | 18,532 |
| TOTAL | 75,113 | 26,773 | (27,718) | (2,279) | (3,223) | (4.3%) | 71,890 |

EXHIBIT G

Page 2 of 2

Components of IBNR (i.e. “Undiscounted”) Change

| EXHIBIT G - Components of Change in Undiscounted IBNR: RSP Alberta Non-Grid | | | | | | | |
|---|----------------------------|------------------|------------------------------|--|----------------|-------------------|----------------------------|
| 10/31/2022 to 3/31/2023 | | | | | | | |
| amounts in \$000s | | | | | | | |
| Accident Year | Prior Implementation Month | Projected Change | Change Due to AvsP Variances | Change Due to Valuation Implementation | Total Change | % of Total Change | Current Month Final Amount |
| prior | - | - | - | - | - | - | - |
| 2004 | 36 | (2) | 3 | - | 1 | 2.5% | 37 |
| 2005 | 5 | - | (6) | - | (6) | (116.2%) | (1) |
| 2006 | 76 | (4) | (27) | - | (31) | (40.9%) | 45 |
| 2007 | 65 | (3) | (8) | (0) | (11) | (17.0%) | 54 |
| 2008 | 70 | (3) | (10) | (0) | (14) | (19.4%) | 56 |
| 2009 | (28) | 12 | (508) | 506 | 10 | (35.6%) | (18) |
| 2010 | 29 | (2) | (51) | 0 | (53) | (182.8%) | (24) |
| 2011 | (34) | 2 | 35 | (3) | 34 | (100.0%) | (0) |
| 2012 | (11) | - | 427 | 7 | 434 | (3,949.9%) | 423 |
| 2013 | 9 | 426 | (898) | (45) | (517) | (5,748.8%) | (508) |
| 2014 | 21 | (266) | 229 | 31 | (7) | (31.1%) | 14 |
| 2015 | 116 | 748 | (706) | (32) | 10 | 8.4% | 126 |
| 2016 | (257) | 80 | 11 | 848 | 938 | (365.1%) | 681 |
| 2017 | 706 | (31) | (46) | (249) | (325) | (46.0%) | 381 |
| 2018 | 1,632 | (175) | (2,848) | 222 | (2,801) | (171.6%) | (1,169) |
| 2019 | 5,047 | (1,247) | (669) | (932) | (2,848) | (56.4%) | 2,199 |
| 2020 | 8,350 | (2,541) | (1,491) | 1,404 | (2,628) | (31.5%) | 5,722 |
| 2021 | 17,965 | (3,314) | (1,931) | 4,521 | (724) | (4.0%) | 17,241 |
| 2022 | 48,519 | (811) | (10,156) | (5,361) | (16,328) | (33.7%) | 32,191 |
| 2023 | - | 33,137 | (13,144) | (223) | 19,770 | - | 19,770 |
| TOTAL | 82,316 | 26,006 | (31,794) | 693 | (5,095) | (6.2%) | 77,221 |