

ALBERTA NON-GRID RISK SHARING POOL

DECEMBER 2020 OPERATIONAL REPORT

ACTUARIAL HIGHLIGHTS

Related Bulletin: F2021-004 Alberta RSPs December 2020 Operational Reports

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ACTUARIAL HIGHLIGHTS

RSP ALBERTA NON-GRID

OPERATIONAL REPORT

DECEMBER 2020

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1 Summary

Key Points

(a) The month's Current Accident Year recorded activities were lower than projected; the activity was reviewed and attributed to low levels of reported physical damage claim activities in the month.

1.1 Valuation Schedule (Fiscal Year 2021)

The December 2020 Operational Report leverages actuarial assumptions consistent with last month (that is, it does not reflect the results of an updated valuation). The following table summarizes the valuation implementations scheduled for fiscal year 2021.

	Alberta Non-Grid Risk Sharing Pool Fiscal Year 2021 – Schedule of Valuations									
Valuation Date	Discount Rate (per annum)	Operational Report	Description of Changes							
Sep 30, 2020 (completed)	0.22% mfad ¹ 25 bp	Oct. 2020	update valuation (roll-forward): accident year 2020 loss ratio <u>de</u> creased 1.7 points to 98.1%; discount rate <u>de</u> creased 4 basis points; no change to selected margins for adverse deviations							
Dec. 31, 2020	% mfad bp	Mar. 2021	update valuation:							
Mar. 31, 2021	% mfad bp	May 2021	update valuation (roll-forward):							
Jun. 30, 2021	% mfad bp	Aug. 2021	update valuation:							
Sep. 30, 2021	% mfad bp	Oct. 2021	update valuation (roll-forward):							

Under the proposed schedule for fiscal year 2021, the off-half valuation quarters ending March 31, 2021 and September 30, 2021 would not reflect a full valuation update of assumptions, but would rather roll-forward key assumptions from the previous valuation.

1.2 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 February 20, 2020.

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

¹ The selected interest rate margin is limited to reducing the selected discount rate to 0%; the approach is that if the net impact is negative, the discount rate will be capped at 0%.



efficiency of resource allocation while providing access to additional expertise and capacity as needed.

1.3 Consideration of Recent Legal Decisions and Changes in Legislation / Regulation²

There have been no changes in these descriptions since last month's Highlights.

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.

In the Alberta Treasury Board and Finance Notice 04-2018 (Clarification of Minor Injury Regulation), dated May 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). With the <u>most recent</u> valuation September 30, 2020), consideration of changes in the definition of minor injuries under the MIR, were included with the updated industry trend analysis (completed using industry data as at December 31, 2019).

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 form 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. At the current time, no explicit adjustments have been made to our valuation estimates or views based on the amendments to the various Regulations and introduction of Bill 41. The impact will be assessed with the next valuation (as at December 31, 2020) and as part of the next Industry valuation and trend analysis (as at June 30, 2020).

1.4 Current Provision Summary

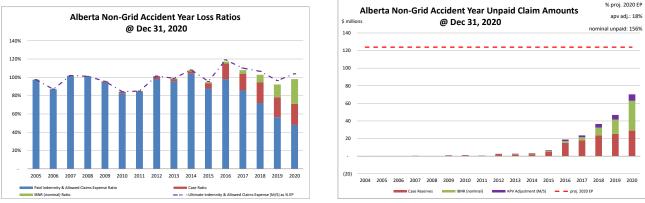
The following charts show the current levels of claim liabilities³ booked by accident year⁴. The left chart displays life-to-date payments, case reserves, IBNR, and the total including actuarial present value adjustments against accident year earned premium. The right chart shows the associated dollar amounts for the components of the claim liabilities and the current projected amount of 2020 full year earned premium (the red hash-mark line) to provide some perspective.

²This url to a pdf is to a helpful guide on how bills become laws: https://www.ola.org/sites/default/files/common/how-bills-become-law-en.pdf.

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.

⁴Accident year 2004 was an incomplete year and therefore has been excluded from the loss ratio chart.





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

The current actuarial present value adjustments balance (\$22.1 million – see the following table) represents 18% of the earned premium projected for the full year 2020 (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.

claim liabilities (\$000s)

	amt	%
case	125,486	58.3%
ibnr	67,781	31.5%
M/S apv adjust.	22,052	10.2%
M/S total	215,319	100.0%

The table to the left breaks down the Member Statement (M/S) claim liabilities total into component parts, showing that the majority of the claim liabilities for this RSP is in case reserves. Approximately 74% of the IBNR balance relates to accident years 2019 and 2020 (see Exhibit B). Approximately 91% of the M/S total claim

liabilities are related to accident years 2016-2020 inclusive (i.e. the most recent 5 accident years), and approximately 1% is related to accident years 2010 and prior (i.e. prior to the most recent 10 accident years).

The following tables summarize the premium liabilities and the total policy liabilities.

premium liabilities (\$0	000s)		policy liabilities (\$000s)				
	amt	%		amt	%		
unearned prem	61,576	94.5%	claim	193,267	68.9%		
prem def/(dpac)	(1,287)	(2.0%)	premium	60,289	21.5%		
M/S apv adjust.	4,839	7.4%	M/S apv adjust.	26,891	9.6%		
M/S total	65,128	100.0%	M/S total	280,447	100.0%		

2 Activity During the Month of December 2020

2.1 Recorded Premium and Claims Activity

The following table summarizes the extent to which premiums and claims amounts recorded during the month differ from projections reflected in the prior month's Operational Report⁵.

⁵There may be rounding differences in values in this document compared with the associated Bulletin and/or Operational Report.



Table 01	Earned Premium		Paid Indemnity &		Case increase /		Recorded increase /	
			Allowed Cla	ims Expense	(decr	ease)	(decrease)	
Accident	Actual	Actual less	Actual	Actual less	Actual	Actual less	Actual	Actual less
Year	Actual	Actual Projected		Projected	Actual	Projected		Projected
Prior	(0)	(0)	3,159	1,266	(2,738)	(1,176)	421	90
2018	(6)	(6)	851	50	304	815	1,155	865
2019	(50)	(50)	954	229	446	655	1,401	885
2020	10,221	(502)	4,793	(1,649)	1,228	(2,414)	6,021	(4,063)
TOTAL	10,165	(558)	9,758	(103)	(760)	(2,120)	8,998	(2,223)

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

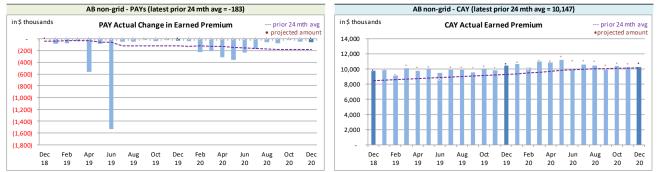
(Recorded transaction amounts exclude IBNR & other actuarial provisions)

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. Commentary from our review is provided in the sub-sections that follow.

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

The following charts show actual **earned premium**⁶ 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 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.

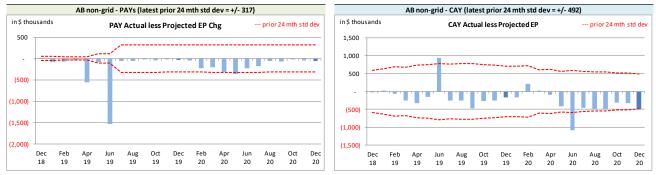
On Latest \$ thousands							
Earned Premium	PAYs	CAY					
Mthly Avg EP Chg (prior 24 mths)	(183)	10,147					
std dev	317	492					
A-P <> std dev	6	3					
% <> std dev	24.0%	12.0%					
norm <> std dev	31.7%	31.7%					
performance vs 24-mth avg:	better	better					

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

⁶Premium 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.



the actual less projection variance will equal the actual **earned premium** change in relation to prior accident years.

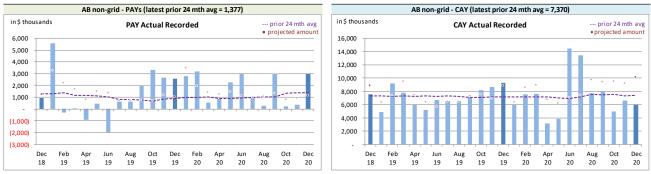


Alberta non-Grid RSP Actual vs. Projected Summary: Earned Premium Variances by Calendar Month

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) bias⁷, 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 bias⁸, with actuals being generally lower than projected, and while we modified our 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.



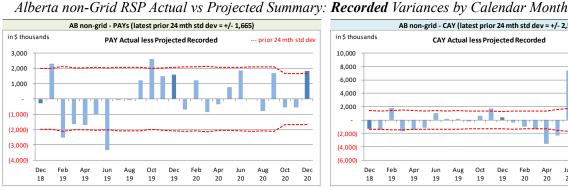
Alberta non-Grid RSP Actual **Recorded** by Calendar Month

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.

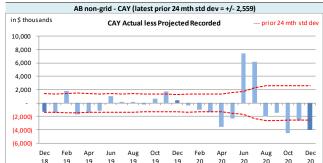
⁷The PAYs' variances will show bias as the projection upload forces all earned premium projections to be attributed to the CAY.

⁸We 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 December 2020 had only 4 months where the actuals was higher than projected, and as the 95% confidence range is 8 to 17, bias continues to be indicated.





On Latest \$ thousands						
Recorded	PAYs	CAY				
Mthly Avg Recorded (prior 24 mths)	1,377	7,370				
std dev	1,665	2,559				
A-P <> std dev	5	13				
% <> std dev	20.0%	52.0%				
norm <> std dev	31.7%	31.7%				
performance vs 24-mth avg:	better	worse				



With respect to recorded indemnity & allowed claims expense activity, 20% 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 not been indicated at a 95% confidence level on a rolling 25-month basis (11 of 25 variances are positive).

The PAY **recorded** variance was outside of the one standard deviation band this month (see preceding chart on the left). The higher than projected recorded activity was reviewed, and attributed to process variance.

The current accident year (CAY) recorded variances fell outside of one standard deviation 52% 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 (9 of 25 variances are positive). Through 2020, our CAY recorded projections have been generally higher than actual activity (notwithstanding the hail impact in June/July 2020); 2020 has been a challenging year to project loss estimates, particularly with changes in RSP volumes and portfolio mix driven by Member transfer activity. We are working with our Appointed Actuary to adjust and refine our 2020 and 2021 accident year estimates to reflect the impact of COVID-19 and Member transfer activity.

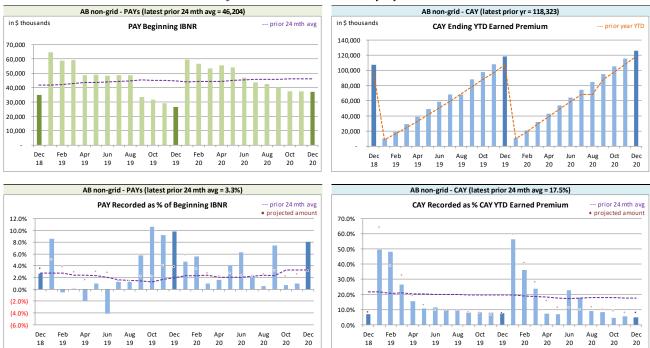
The CAY recorded variance was outside of the one standard deviation band this month (see preceding chart on the right). The lower than projected recorded activity was reviewed, and attributed to low levels of reported physical damage claim activities in the month.

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.



Actuarial Highlights – RSP Alberta Non-Grid Operational Report December 2020



Alberta non-Grid RSP Levels that influence⁹ 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:

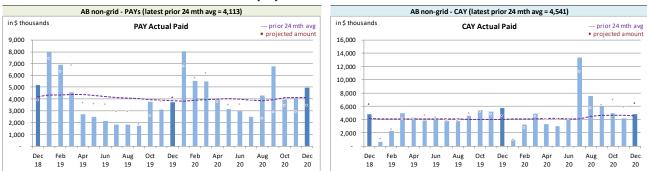
- to offset actual **recorded** activity (through loss ratio matching);
- the annual switchover as a CAY becomes a PAY(occurs in January); and
- when a new valuation is implemented, where the valuation resulted in changes to the selection of PAYs' ultimates (will show up as a beginning IBNR change one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

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.

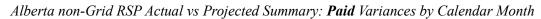
⁹Our recorded activity projections for the prior accident years are based on selected ratios of recorded activity to beginning unpaid balances, whereas the current accident year projections are based on selected ratios of year-to-date IBNR to year-to-date selected ultimate (i.e. selected LR x earned 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.

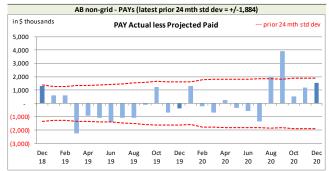




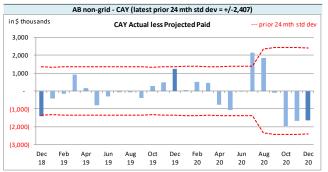
Alberta non-Grid RSP Actual Paid activity by Calendar Month

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.





On Latest \$ thousands							
Paid	PAYs	CAY					
Mthly Avg Paid (prior 24 mths)	4,113	4,541					
std dev	1,884	2,407					
A-P <> std dev	3	2					
% <> std dev	12.0%	8.0%					
norm <> std dev	31.7%	31.7%					
performance vs 24-mth avg:	better	better					



With respect to **paid** indemnity & allowed claims expense, 12% 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 (11 of 25 variances are positive).

The current accident year (CAY) **paid** variances fell outside of one standard deviation 8% 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 (10 of 25 variances are positive).

While the CAY **paid** variance was not outside of the one standard deviation band this month (see preceding chart on the right), we have continued to observe lower than projected paid activity, which was reviewed and attributed to low levels of reported physical damage claim activities in the month.

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



Actuarial Highlights – RSP Alberta Non-Grid Operational Report December 2020



Alberta non-Grid RSP Levels that influence¹⁰ **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 IBNR¹¹, 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 projections and actuals were based on the applicable valuation.

The following table summarizes variances in provisions included in this month's Operational Report

¹⁰Our 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.

¹¹For ease of discussion, "IBNR" is used in place of "provisions for incurred but not recorded (IBNR) and development".



and the associated one-month projections from last month's Report.

Table 02			actua	arial present v					
			Discount Amount		Provisions	Provisions for Adverse		IBNR + actuarial present	
	IBNR				Deviations		value adjustments		
Accident	Actual less Actual Projected		Actual	Actual less	A at a l	Actual less	Actual	Actual less	
Year			Actual	Projected	Actual	Projected	Actual	Projected	
Prior	8,684	(93)	(332)	6	5,906	(131)	14,258	(218)	
2018	8,847	(871)	(195)	-	4,237	(7)	12,889	(878)	
2019	16,343	(930)	(250)	2	5,429	(36)	21,522	(964)	
2020	33,907	3,571	(378)	(7)	7,635	140	41,164	3,704	
TOTAL	67,781	1,677	(1,155)	1	23,207	(34)	89,833	1,644	

Alberta Non-Grid RSP Actual vs Projected Summary: IBNR and APV Amounts (\$ thousands)

The IBNR provision is \$1.7 million higher than projected from last month, counterbalancing the recorded claims activity and adjusting for the earned premium variance impacts indicated in section 2.1.

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)

The variances associated with (ii) above are discussed in sections 2.1.a and 2.1.b.

The following table summarizes the variances in the provisions for premium deficiency liability / (deferred policy acquisition cost asset) included in this month's Operational Report and the one-month projections from last month's Report. This RSP is in a deferred policy acquisition cost asset position (shown as a negative amount) prior to actuarial present value adjustments while in a premium deficiency position (shown as a positive amount) after the actuarial present value adjustments. Actuarial present value adjustments increase the liability value as the adjustments increase the expected future policy obligations (costs) associated with the unearned premium. The variances noted are mainly driven by the unearned premium variance.



Alberta Non-Grid RSP Actual vs Projected Summary: Premium Deficiency / (DPAC) Amounts (\$ thousands)

Table 03	Premium Deficiency / (Deferred Policy Acquisition Costs)		actuarial present value adjustments		Premium Deficiency / (DPAC) including actuarial present value adjustments	
	Actual	Actual less Projected	Actual	Actual less Projected	Actual	Actual less Projected
balance:	(1,287)	139	4,839	(446)	3,552	(307)
balance as % unearned premium:	(2.1%)	-	7.9%	0.1%	5.8%	0.1%
actual unearned premium:	61,576					

less projected: (5,678)

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 $loss^{12}$ 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 expenses¹³, 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 99.5% rather than 98.1% (the valuation ultimate ratio for accident year 2020), 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.)

¹²"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).

¹³Allowed 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)

Table	04	YTD Nominal Values		YTD actuarial present value adjustment		YTD Total		Change from Prior Month YTD	
		Amount	% EP	Amount	% EP	Amount	% EP	Amount	LR pts
PAYs	s	(5,252)	(4.2%)	(512)	(0.4%)	(5,764)	(4.7%)	(596)	(0.2%)
CAY	,	123,328	99.5%	7,257	5.9%	130,585	105.4%	10,629	(0.1%)
TOTA	۱L	118,076	95.3%	6,745	5.4%	124,821	100.8%	10,033	(0.1%)

("% EP" based on 2020 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.

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.

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).



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 Premium Liabilities
- EXHIBIT D Projected Year-end Policy Liabilities
- EXHIBIT E Discount Rate & Margins for Adverse Deviations
- EXHIBIT F Interest Rate Sensitivity
- EXHIBIT G Components of IBNR Change During Month



EXHIBIT A

IBNR for Member Sharing – includes Actuarial Present Value Adjustments

TABLE EXHIBIT A						
IBNR + M/S actuarial present value adjustments	Accident Year	Actual Nov. 2020	Actual Dec. 2020	Projected Jan. 2021	Projected Feb. 2021	Projected Dec. 2021
	2004	42	42	41	41	32
	2005	13	13	13	13	10
	2006	83	83	80	79	61
	2007	97	98	96	93	71
	2008	69	69	67	66	50
	2009	64	64	63	60	42
	2010	124	114	112	108	81
	2011	202	435	424	417	325
	2012	337	166	165	156	111
	2013	666	706	690	675	516
	2014	1,296	1,296	1,265	1,241	962
discount rate	2015	1,738	1,729	1,690	1,654	1,268
0.22%	2016	4,201	3,578	3,499	3,411	2,594
	2017	6,063	5,865	5,719	5,387	3,447
interest rate margin	2018	14,156	12,889	12,495	11,953	7,777
25 basis pts	2019	23,091	21,522	20,473	19,854	14,614
	2020	36,556	41,164	38,767	37,211	31,873
	2021	-	-	5,872	7,682	44,092
	TOTAL	88,798	89,833	91,531	90,101	107,926
	Change		1,035	1,698	(1,430)	

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



EXHIBIT B

IBNR

TABLE EXHIBIT B	<u> </u>	Amounts in \$000s							
IBNR	Ultimate Loss Ratio	Accident Year	Actual Nov. 2020	Actual Dec. 2020	Projected Jan. 2021	Projected Feb. 2021	Projected Dec. 2021		
	349.1%	2004	36	36	35	35	28		
	97.4%	2004	5	5	5	5	5		
	87.0%	2005	75	75	73	72	56		
	101.9%	2007	61	62	60	59	46		
	101.1%	2008	66	66	64	63	48		
	95.6%	2009	(22)	(22)	(21)	(21)	(17)		
	84.3%	2010	17	7	7	7	7		
	84.9%	2011	127	361	351	347	274		
	101.2%	2012	94	(65)	(63)	(62)	(48)		
	98.7%	2013	357	455	442	438	343		
	107.7%	2014	979	980	953	943	743		
	94.8%	2015	1,068	1,116	1,085	1,074	845		
	117.2%	2016	2,472	1,876	1,823	1,805	1,420		
	107.9%	2017	3,773	3,732	3,620	3,323	1,826		
	102.8%	2018	10,008	8,847	8,502	8,000	4,577		
	92.1%	2019	17,789	16,343	15,362	14,809	10,493		
	98.1%	2020	29,902	33,907	31,873	30,662	26,595		
	97.4%	2021	-	-	4,731	5,760	32,220		
		TOTAL	66,807	67,781	68,902	67,319	79,461		
		Change		974	1,121	(1,583)			

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

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EXHIBIT C

Premium Liabilities

TABLE EXHIBIT C					
N	Actual	Actual	Projected	Projected	Projected
Premium Liabilities	Nov. 2020	Dec. 2020	Jan. 2021	Feb. 2021	Dec. 2021
(1) unearned premium (UP)	63,641	61,576	62,548	64,392	82,641
FOR MEMBER SHARING					
(2) expected future costs ratio {% of (1)}	105.9%	105.8%	105.8%	105.8%	108.5%
(3) expected future costs {(1) x (2)}	67,386	65,128	66,170	68,154	89,639
(4) premium deficiency / (deferred policy					
acquisition cost)	3,745	3,552	3,622	3,762	6,998
Excluding Actuarial Present Value Adjustments					
(5) expected future costs ratio {% of (1)}	98.0%	97.9%	97.9%	98.0%	100.4%
(6) expected future costs {(1) x (5)}	62,379	60,289	61,254	63,091	82,979
(7) premium deficiency / (deferred policy					
acquisition cost)	(1,262)	(1,287)	(1,294)	(1,301)	338



EXHIBIT D

Projected Year-end Policy Liabilities

The table below presents the projected policy liabilities as at December 31, 2021, broken down by component.

Alberta non-Grid	Projected Balances as at Dec. 31, 2021 (\$000s)										
ending 2021	nominal values				actuarial present value adjustments (apvs)						
Acc Yr	Case	IBNR	Total Unpaid	discount	investment PfAD	nominal development PfAD	development PfAD discount	development PfAD	Total apvs	TOTAL	
2004	15	28	43	-	-	4	-	4	4	47	
2005	49	5	54	-	-	5	-	5	5	59	
2006	(2)	56	54	-	-	5	-	5	5	59	
2007	207	46	253	-	-	25	-	25	25	278	
2008	(28)	48	20	-	-	2	-	2	2	22	
2009	608	(17)	591	-	-	59	-	59	59	650	
2010	730	7	737	(3)	3	74	-	74	74	811	
2011	240	274	514	(2)	2	51	-	51	51	565	
2012	1,651	(48)	1,603	(10)	10	160	(1)	159	159	1,762	
2013	1,399	343	1,742	(9)	9	174	(1)	173	173	1,915	
2014	1,454	743	2,197	(11)	11	220	(1)	219	219	2,416	
2015	3,461	845	4,306	(26)	26	426	(3)	423	423	4,729	
2016	10,401	1,420	11,821	(83)	83	1,182	(8)	1,174	1,174	12,995	
2017	14,488	1,826	16,314	(98)	98	1,631	(10)	1,621	1,621	17,935	
2018	21,176	4,577	25,753	(155)	155	3,219	(19)	3,200	3,200	28,953	
2019	22,676	10,493	33,169	(199)	199	4,146	(25)	4,121	4,121	37,290	
2020	19,183	26,595	45,778	(275)	275	5,310	(32)	5,278	5,278	51,056	
PAYs (sub-total):	97,708	47,241	144,949	(871)	871	16,693	(100)	16,593	16,593	161,542	
CAY (2021)	70,743	32,220	102,963	(618)	618	11,944	(72)	11,872	11,872	114,835	
claims liabilities:	168,451	79,461	247,912	(1,489)	1,489	28,637	(172)	28,465	28,465	276,377	
	Unearned Premium	Premium Deficiency / (DPAC)	Total Provision	discount	investment PfAD	nominal development PfAD	development PfAD discount	development PfAD	Total apvs	TOTAL*	
premium liabilities:	82,641	338	82,979	(330)	330	6,687	(27)	6,660	6,660	89,639	
• • • • • • • • • • • • • • • • • • • •	- ,-		- ,	()				,	vs apply to future	,	
policy liabilities:			330,891	(1,819)	1,819	35,324	(199)	35,125	35,125	366,016	



EXHIBIT E

Discount Rate & Margins for Adverse Deviations

The tables below present selected margins for adverse development by coverage (the total is a weighted average, based on the unpaid claims projection for December 31, 2020 from the valuation), followed by the selected discount rate and the associated margin for investment income.

	Selected Claims Development MfADs (Sep. 30,									
		2	020)							
Accident	Third Party	Accident	Other	Total						
Year	Liability	Benefits	Coverages	Total						
	Margins	Margins	Margins	Margins						
2004	10.0%	10.0%	10.0%	10.0%						
2005	10.0%	10.0%	10.0%	10.0%						
2006	10.0%	10.0%	10.0%	10.0%						
2007	10.0%	10.0%	10.0%	10.0%						
2008	10.0%	10.0%	10.0%	10.0%						
2009	10.0%	10.0%	10.0%	10.0%						
2010	10.0%	10.0%	10.0%	10.0%						
2011	10.0%	10.0%	10.0%	10.0%						
2012	10.0%	10.0%	10.0%	10.0%						
2013	10.0%	10.0%	5.0%	10.0%						
2014	10.0%	10.0%	9.3%	10.0%						
2015	10.0%	10.0%	10.0%	9.9%						
2016	10.0%	10.0%	10.0%	10.0%						
2017	10.0%	10.0%	10.0%	10.0%						
2018	12.5%	10.0%	12.5%	12.5%						
2019	12.5%	10.0%	7.5%	12.5%						
2020	12.2%	10.0%	12.5%	11.6%						
2021	11.9%	10.0%	5.1%	8.1%						
u un un linh	11.00/	10.00/	F 40/	0.40/						
prem liab	11.9%	10.0%	5.1%	8.1%						
			discount rate:	0.22%						

Selected Claims Development MfADs (Sep. 30.

margin (basis points): 25



EXHIBIT F

Interest Rate Sensitivity

The tables below present sensitivity to the member statement claims liability as projected to Dec. 31, 2020 from the latest valuation date (projections in exhibits A to D are to Dec. 31, 2020, and are based on more up-to-date information). We have included the most recent valuation selection (0.22%), the prior valuation assumption (0.26%) and the prior fiscal year end valuation assumption (1.46%) for comparative purposes. A 25 basis point margin for investment return adverse deviation is used in all scenarios presented.

Actua	rial Present Va	lue of Provisio	ons at Various	Discount Rate	es - Dec. 31, 20	20 projected I	Jnpaid
0.00%	0.00%	0.22%	0.72%	1.22%	1.72%	0.26%	1.46
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
1	1	1	1	1	1	1	
301	301	301	299	298	296	301	2
		·					
802	802	801	794	787	780	801	7
1,083	1,083	1,083	1,073	1,063	1,054	1,082	1,0
738	738	738	729	720	711	738	7
2,567	2,567	2,566	2,541	2,514	2,489	2,566	2,5
3,191	3,191	3,189	3,156	3,121	3,087	3,188	3,1
4,054	4,054	4,052	3,998	3,941	3,886	4,051	3,9
6,867	6,867	6,862	6,758	6,651	6,547	6,860	6,6
16,713	16,713	16,704	16,485	16,259	16,042	16,699	16,1
23,606	23,606	23,593	23,305	23,008	22,723	23,586	22,8
36,747	36,747	36,722	36,281	35,821	35,385	36,711	35,6
48,433	48,433	48,401	47,758	47,092	46,456	48,385	46,
69,268	69,268	69,224	68,330	67,411	66,534	69,204	66,9
214,371	214,371	214,237	211,508	208,687	205,991	214,173	207,
curr - 100 bp	curr - 50 bp	curr val	curr + 50bp	curr + 100bp	curr + 150bp	prior val	prior fyr (
		assumption	l			assumption	assumpt
		Dollar Imp	oact Relative t	o Valuation A	sumption		
0.00%	0.000/	0.000/					
0.0070	0.00%	0.22%	0.72%	1.22%	1.72%	0.26%	1.4
134	0.00%	- 0.22%	0.72% (2,729)	1.22% (5,550)	1.72% (8,246)	0.26% (64)	1
134		0.22% - curr val		(5,550)		1	(6,8
	134	-	(2,729) curr + 50bp	(5,550)	(8,246)	(64)	<mark>(6,8</mark> prior fyr e
134	134	- curr val assumption	(2,729) curr + 50bp	(5,550) curr + 100bp	(8,246) curr + 150bp	<mark>(64)</mark> prior val	1.4 (6,8 prior fyr e assumpti
134 curr - 100 bp	134 curr - 50 bp	- curr val assumption Percentage I	(2,729) curr + 50bp mpact Relativ	(5,550) curr + 100bp e to Valuation	(8,246) curr + 150bp Assumption	(64) prior val assumption	(6,8 prior fyr e assumpti
134	134 curr - 50 bp 0.00%	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp	(5,550) curr + 100bp	(8,246) curr + 150bp Assumption 1.72%	<mark>(64)</mark> prior val	<mark>(6,8</mark> prior fyr e
134 curr - 100 bp	134 curr - 50 bp	- curr val assumption Percentage I	(2,729) curr + 50bp mpact Relativ	(5,550) curr + 100bp e to Valuation	(8,246) curr + 150bp Assumption	(64) prior val assumption	(6,8 prior fyr e assumpti
134 curr - 100 bp	134 curr - 50 bp 0.00%	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ	(5,550) curr + 100bp e to Valuation	(8,246) curr + 150bp Assumption 1.72%	(64) prior val assumption	(6,8 prior fyr e assumpti
134 curr - 100 bp	134 curr - 50 bp 0.00%	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72%	(5,550) curr + 100bp e to Valuation 1.22% - - -	(8,246) curr + 150bp Assumption 1.72% - -	(64) prior val assumption	(6,8 prior fyr assumpt 1.4
134 curr - 100 bp	134 curr - 50 bp 0.00%	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ	(5,550) curr + 100bp e to Valuation	(8,246) curr + 150bp Assumption 1.72%	(64) prior val assumption	(6,8 prior fyr assumpt 1.4
134 curr - 100 bp 0.00% - - - - - - -	134 curr - 50 bp 0.00% - - - - -	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% - - - (0.7%) -	(5,550) curr + 100bp e to Valuation 1.22% - - - (1.0%) -	(8,246) curr + 150bp Assumption 1.72% (1.7%)	(64) prior val assumption	(6,8 prior fyr o assumpt 1.4 (1.
134 curr - 100 bp	134 curr - 50 bp 0.00%	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% 	(5,550) curr + 100bp <u>e to Valuation</u> <u>1.22%</u> <u>-</u> (1.0%) (1.7%)	(8,246) curr + 150bp Assumption 1.72% - (1.7%) (2.6%)	(64) prior val assumption 0.26% 	(6,8 prior fyr o assumpt 1.4 (1.
134 curr - 100 bp 0.00% - - - - - -	134 curr - 50 bp 0.00% - - - - -	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% 	(5,550) curr + 100bp <u>e to Valuation</u> <u>1.22%</u> <u>-</u> (1.0%) (1.7%) (1.8%)	(8,246) curr + 150bp <u>Assumption</u> 1.72% - (1.7%) - (2.6%) (2.7%)	(64) prior val assumption	(6,1) prior fyr (assumpt 1.4 (1. (2. (2. (2.
134 curr - 100 bp 0.00% 	134 curr - 50 bp 0.00% - - - - 0.1% - - - - - - - - - - - - - - - - - - -	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% 	(5,550) curr + 100bp <u>e to Valuation</u> 1.22% - - (1.0%) (1.8%) (2.4%)	(8,246) curr + 150bp Assumption 1.72% - (1.7%) - (2.6%) (2.7%) (3.7%)	(64) prior val assumption 0.26% 	(6,8) prior fyr o assumpt 1.4 (1. (2. (2. (3.
134 curr - 100 bp 	134 curr - 50 bp 	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% 	(5,550) curr + 100bp e to Valuation 1.22% - - (1.0%) (1.8%) (2.4%) (2.0%)	(8,246) curr + 150bp Assumption 1.72% - (1.7%) (2.6%) (2.7%) (3.7%) (3.0%)	(64) prior val assumption 0.26% 	(6,8) prior fyr (assumpt 1.4 (1. (2. (2. (3. (2. (2. (3. (2.))
134 curr - 100 bp 0.00% - - - - - - - - - - - - - - - - - -	134 curr - 50 bp 	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% 	(5,550) curr + 100bp e to Valuation 1.22% - (1.0%) - (1.7%) (2.4%) (2.0%) (2.1%)	(8,246) curr + 150bp Assumption 1.72% (1.7%) (2.6%) (3.7%) (3.0%) (3.2%)	(64) prior val assumption 0.26% 	(6,6,2) prior fyr o assumpt 1.4 (1. (2. (2. (3. (2. (2. (2. (2. (2. (2. (2. (2. (2. (2
134 curr - 100 bp 0.00%	134 curr - 50 bp 0.00% 	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% 	(5,550) curr + 100bp e to Valuation 1.22% (1.2%) (1.8%) (1.8%) (2.4%) (2.4%) (2.1%) (2.1%) (2.7%)	(8,246) curr + 150bp Assumption 1.72% (1.7%) (2.6%) (2.7%) (3.7%) (3.7%) (3.2%) (3.2%) (4.1%)	(64) prior val assumption 0.26% 	(6,6,6) prior fyr o assumpt 1.4 (1. (2. (2. (3. (2. (2. (3. (2. (3. (2. (3.)))))))))))))))))))))))))))))))))))
134 curr - 100 bp 0.00% - - - - - - - - - - - - - - - - - -	134 curr - 50 bp 0.00% - - - - - - - - - - - - - - - - - -	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% 	(5,550) curr + 100bp e to Valuation 1.22% 	(8,246) curr + 150bp Assumption 1.72% (1.7%) (2.6%) (2.7%) (3.7%) (3.7%) (3.2%) (3.2%) (4.1%) (4.6%)	(64) prior val assumption 0.26% 	(6,6,6) prior fyr o assumpt 1.4 (1. (2. (2. (3. (3. (3. (3. (3.
134 curr - 100 bp 0.00% - - - - - - - - - - - - - - - - - -	134 curr - 50 bp 	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% 	(5,550) curr + 100bp e to Valuation 1.22% - (1.0%) (1.7%) (1.8%) (2.4%) (2.4%) (2.1%) (2.7%) (3.1%) (2.7%)	(8,246) curr + 150bp Assumption 1.72% (1.7%) (2.6%) (2.7%) (3.7%) (3.0%) (3.2%) (4.1%) (4.6%) (4.0%)	(64) prior val assumption 0.26% 	(6,6,6) prior fyr o assumpt 1.4 (1. (2. (2. (2. (2. (3. (2. (2. (2. (3. (3. (3. (3. (3. (3.)))))))))))))))
134 curr - 100 bp 0.00% - - - - 0.1% 0.1% 0.1% 0.1% 0.1% 0.1%	134 curr - 50 bp - - - - - - - - - - - - - - - - - - -	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% 	(5,550) curr + 100bp e to Valuation 1.22% - (1.0%) (1.7%) (1.8%) (2.4%) (2.1%) (2.7%) (3.1%) (2.7%) (2.5%)	(8,246) curr + 150bp Assumption 1.72% - (1.7%) (2.6%) (2.7%) (3.7%) (3.0%) (3.2%) (4.1%) (4.6%) (4.0%) (3.7%)	(64) prior val assumption 0.26% 	(6,6,6) prior fyr o assumpt 1.4 (1. (2. (2. (3. (2. (2. (3. (3. (3. (3. (3. (3. (3. (3. (3. (3
134 curr - 100 bp 0.00% - - - - - - - - - - - - - - - - - -	134 curr - 50 bp 	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% (0.7%) (0.9%) (1.2%) (1.0%) (1.3%) (1.3%) (1.3%) (1.3%) (1.2%) (1.2%)	(5,550) curr + 100bp e to Valuation 1.22% - - (1.0%) (1.7%) (2.4%) (2.4%) (2.0%) (2.1%) (2.7%) (3.1%) (2.7%) (2.5%) (2.5%)	(8,246) curr + 150bp Assumption 1.72% (1.7%) (2.6%) (2.7%) (3.7%) (3.0%) (3.2%) (4.1%) (4.0%) (3.7%) (3.7%) (3.7%) (3.7%) (3.7%) (3.7%) (3.7%) (3.7%) (3.7%) (3.6%)	(64) prior val assumption 0.26% 	(6,6) prior fyr o assumpt 1.4 (1. (2. (2. (3. (2. (2. (3. (3. (3. (3. (3. (3. (3.
134 curr - 100 bp 0.00% - - - - - - - - - - - - - - - - - -	134 curr - 50 bp 0.00% - - - - - - - - - - - - - - - - - -	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% (0.7%) (0.9%) (1.2%) (1.0%) (1.2%) (1.3%) (1.3%) (1.2%) (1.2%) (1.2%) (1.2%) (1.3%)	(5,550) curr + 100bp e to Valuation 1.22% (1.0%) (1.7%) (2.4%) (2.4%) (2.4%) (2.7%) (3.1%) (2.7%) (2.5%) (2.5%) (2.5%) (2.5%)	(8,246) curr + 150bp Assumption 1.72% (1.7%) (2.6%) (3.7%) (3.7%) (3.7%) (4.6%) (4.1%) (4.6%) (3.7%) (3.6%) (3.6%) (4.0%)	(64) prior val assumption 0.26% 	(6,6) prior fyr o assumpt 1.4 (1. (2. (2. (3. (2. (2. (3. (3. (3. (3. (3. (3. (3. (3. (3. (3
134 curr - 100 bp 0.00% 	134 curr - 50 bp 0.00% 	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% (0.7%) (0.9%) (1.2%) (1.0%) (1.3%) (1.3%) (1.2%) (1.3%) (1.3%) (1.3%) (1.3%)	(5,550) curr + 100bp e to Valuation 1.22% (1.0%) (1.7%) (1.8%) (2.4%) (2.0%) (2.1%) (2.7%) (2.5%) (2.5%) (2.5%) (2.7%) (2.5%) (2.5%)	(8,246) curr + 150bp Assumption 1.72% (1.7%) (2.7%) (3.7%) (3.7%) (3.2%) (4.1%) (4.5%) (4.0%) (3.6%) (3.6%) (4.0%) (3.6%) (4.0%) (3.6%) (4.0%) (3.9%)	(64) prior val assumption 0.26% 	(6,6) prior fyr o assumpt 1.4 (1. (2. (2. (3. (2. (3. (3. (3. (3. (3. (3. (3. (3. (3. (3
134 curr - 100 bp 0.00% - - - - - - - - - - - - - - - - - -	134 curr - 50 bp 0.00% - - - - - - - - - - - - - - - - - -	- curr val assumption Percentage I 0.22%	(2,729) curr + 50bp mpact Relativ 0.72% (0.7%) (0.9%) (1.2%) (1.0%) (1.2%) (1.3%) (1.3%) (1.2%) (1.2%) (1.2%) (1.2%) (1.3%)	(5,550) curr + 100bp e to Valuation 1.22% (1.0%) (1.7%) (2.4%) (2.4%) (2.4%) (2.7%) (3.1%) (2.7%) (2.5%) (2.5%) (2.5%) (2.5%)	(8,246) curr + 150bp Assumption 1.72% (1.7%) (2.6%) (3.7%) (3.7%) (3.7%) (4.6%) (4.1%) (4.6%) (3.7%) (3.6%) (3.6%) (4.0%)	(64) prior val assumption 0.26% 	(6,6) prior fyr c assumpti 1.4 (1. (2. (2. (3. (2. (3. (3. (3. (3. (3. (3. (3. (3. (3. (3



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Components of Member Statement IBNR (i.e. "Discounted") Change During Month

RSP AccountCode Desc	Alberta Non-Grid IBNR - Discountee					М	/S IBNR - in \$000s
	Values						
AccYear	Sum of Prior Month Actual Amount	Sum of Projected Change	Sum of Change Due to AvsP Variances	Sum of Change Due to Valuation Implementation	Sum of Total Change	Sum of % Total Change	Sum of Current Month Final Amount
2004	42	(1)	1	-	-	-	42
2005	13	-	-	-	-	-	13
2006	83	(3)	3	-	-	-	83
2007	97	(3)	4	-	1	1.0%	98
2008	69	(2)	2	-	-	-	69
2009	64	(3)	3	-	-	-	64
2010	124	(5)	(5)	-	(10)	(8.1%)	114
2011	202	(7)	240	-	233	115.3%	435
2012	337	(13)	(158)	-	(171)	(50.7%)	166
2013	666	(23)	63	-	40	6.0%	706
2014	1,296	(42)	42	-	-	-	1,296
2015	1,738	(59)	50	-	(9)	(0.5%)	1,729
2016	4,201	(176)	(447)	-	(623)	(14.8%)	3,578
2017	6,063	(182)	(16)	-	(198)	(3.3%)	5,865
2018	14,156	(389)	(878)	-	(1,267)	(9.0%)	12,889
2019	23,091	(605)	(964)	-	(1,569)	(6.8%)	21,522
2020	36,556	904	3,704	-	4,608	12.6%	41,164
Grand Total	88,798	(609)	1,644	-	1,035	1.2%	89,833



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Components of IBNR (i.e. "Undiscounted") Change During Month

RSP AccountCode Desc	Alberta Non-Grid IBNR - Undiscoun						IBNR - in \$000s
	Values						
AccYear	Sum of Prior Month Actual Amount	Sum of Projected Change	Sum of Change Due to AvsP Variances	Sum of Change Due to Valuation Implementation	Sum of Total Change	Sum of % Total Change	Sum of Current Month Final Amount
2004	36	(1)	1	-	-	-	36
2005	5	-	-	-	-	-	5
2006	75	(2)	2	-	-	-	75
2007	61	(2)	3	-	1	1.6%	62
2008	66	(2)	2	-	-	-	66
2009	(22)	1	(1)	-	-	-	(22)
2010	17	(1)	(9)	-	(10)	(58.8%)	7
2011	127	(4)	238	-	234	184.3%	361
2012	94	(3)	(156)	-	(159)	(169.1%)	(65)
2013	357	(11)	109	-	98	27.5%	455
2014	979	(29)	30	-	1	0.1%	980
2015	1,068	(32)	80	-	48	4.5%	1,116
2016	2,472	(109)	(487)	-	(596)	(24.1%)	1,876
2017	3,773	(136)	95	-	(41)	(1.1%)	3,732
2018	10,008	(290)	(871)	-	(1,161)	(11.6%)	8,847
2019	17,789	(516)	(930)	-	(1,446)	(8.1%)	16,343
2020	29,902	434	3,571	-	4,005	13.4%	33,907
Grand Total	66,807	(703)	1,677	-	974	1.5%	67,781