

ALBERTA NON-GRID RISK SHARING POOL JANUARY 2020 OPERATIONAL REPORT ACTUARIAL HIGHLIGHTS

Related Bulletin: F2020-013 Alberta Risk Sharing Pools - January 2020 Operational Reports

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ACTUARIAL HIGHLIGHTS

RSP ALBERTA NON-GRID

OPERATIONAL REPORT JANUARY 2020

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1 Summary

Key Points

- (a) At its Feb. 18, 2020 meeting, the FA Board appointed Mr. Cosimo Pantaleo of Ernst & Young LLP (EY) for fiscal year-end 2019. Recall that Mr. Pantaleo was Acting Appointing Actuary following the resignation of Mr. Liam McFarlane in October 2019. Mr. Pantaleo's appointment was approved by FA Members for fiscal year 2020 at the FA Annual General Meeting held on February 20, 2020.
- (b) The month's claims activities were generally aligned with projections from last month.

1.1 Valuation Schedule (Fiscal Year 2020)

The January 2020 Operational Report leverages actuarial assumptions consistent with last month (that is, it does not reflect the results of an updated valuation). The table below summarizes the implemented valuations for fiscal year 2020.

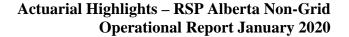
ALBERTA NON-GRID RISK SHARING POOL FISCAL YEAR 2020 – SCHEDULE OF VALUATIONS							
Valuation Date	Discount Rate (per annum)	Operational Report	Description of Changes				
Sep. 30, 2019 (completed)	1.46% mfad 25 bp	Oct. 2019	updated valuation (roll forward): accident year 2019 loss ratio decreased 2.6 points to 102.2%; discount rate increased 3 basis points; no change to selected margins for adverse deviations				
Dec. 31, 2019	% mfad bp	Mar. 2020	update valuation				
Mar. 31, 2020	% mfad bp	May 2020	update valuation (roll-forward)				
Jun. 30, 2020	% mfad bp	Aug. 2020	update valuation				
Sep. 30, 2020	% mfad bp	Oct. 2020	update valuation (roll-forward)				

Under the proposed schedule for fiscal year 2020, the off-half valuation quarters ending March 31, 2020 and September 30, 2020 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

Mr. Cosimo Pantaleo of Ernst & Young LLP (EY) was appointed as Actuary by the FA Board at its February 18, 2020 meeting.

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.

1.3 Consideration of Recent Legal Decisions and Changes in Legislation / Regulation¹

There have been no changes in these descriptions since last month's Highlights, other than clarification that recent refers to events within the last five years.

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 **most recent** valuation September 30, 2019), reform adjustments related to 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, 2018), impacting the selection of ultimates.

The Minister of Treasury Board and Finance issued Ministerial Order 14/2018, on October 31, 2018, which states unless otherwise directed by the Minister, the AIRB may not approve filings from insurers for cumulative rate increases on private passenger vehicles greater than +5.0% during the period between December 1, 2018 and August 31, 2019. This order lapsed in August 2019. At the current time, no explicit adjustments have been made to our valuation estimates or views based on this order.

1.4 Current Provision Summary

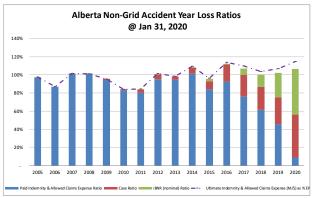
The charts at the top of the next page show the current levels of claim liabilities² booked by accident year³. The left chart displays life-to-date payments, case reserves, IBNR, and the total including actuarial present value adjustments against accident year earned premium. The right chart shows the 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.

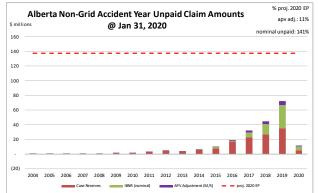
¹This url to a pdf is to a helpful guide on how bills become laws: https://www.ola.org/sites/default/files/common/how-bills-become-law-en.pdf.

²Claim 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.

³Accident 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 (\$15.6 million – see table below) represents 11% of the earned premium projected for the full year 2020 (see the upper right corner of the right chart above). 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	liahi	litioc	(\$000s)	١
Clailli	Habi	nues	1,20005)	1

	amt	%
case	131,492	62.9%
ibnr	62,109	29.7%
M/S apv adjust.	15,597	7.5%
M/S total	209,198	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 60% of the IBNR balance relates to accident years 2019 and 2020 (see Exhibit B). Approximately 86% 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 tables below summarize the premium liabilities and the total policy liabilities.

nremium	liabilities	(\$000\$)
mennum	$\mathbf{naonnes}$	しつしししい

, , , , , , , , , , , , , , , , , , , ,						
	amt	%				
unearned prem	64,980	87.5%				
prem def/(dpac)	4,676	6.3%				
M/S apv adjust.	4,648	6.3%				
M/S total	74,304	100.0%				

policy liabilities (\$000s)

	•	
	amt	%
claim	193,601	68.3%
premium	69,656	24.6%
M/S apv adjust.	20,245	7.1%
M/S total	283.502	100.0%

2 Activity During the Month of January 2020

2.1 Recorded Premium and Claims Activity

The table at the top of the next page summarizes the extent to which premiums and claims amounts recorded during the month differ from projections reflected in the prior month's Operational Report⁴.

⁴There may be rounding differences in values in this document compared with the associated Bulletin and/or Operational Report.



TOTAL

10,617

Table 01	Earned Premium		Paid Indemnity & Allowed Claims Expense		Case increase / (decrease)		Recorded increase / (decrease)	
Accident	Actual	Actual less	Actual	Actual less	Actual	Actual less	Actual	Actual less
Year	Actual	Projected	Actual	Projected	Actual	Projected	Actual	Projected
Prior	8	8	1,089	(149)	(2,031)	(1,259)	(941)	(1,407)
2018	13	13	1,204	785	(1,128)	(1,555)	76	(770)
2019	(67)	(67)	5,743	670	(2,101)	826	3,642	1,496
2020	10.662	(173)	979	54	5.032	(402)	6.011	(348)

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

(Recorded transaction amounts exclude IBNR & other actuarial provisions)

(228)

(2,390)

8,787

(1,030)

It is unusual to see actual earned premium transactions affecting prior accident years beyond the first prior at this time in the calendar year –prior accident years changes in the month include activity undertaken by a member reflecting recent audit findings.

1,360

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.

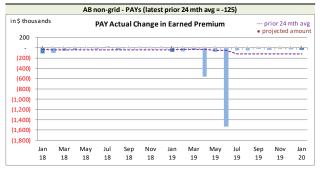
2.1.a Actual vs. Projected (AvsP): Earned Premium

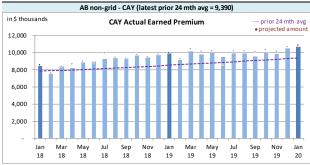
(218)

9,015

The charts below show actual **earned premium**⁵ 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.

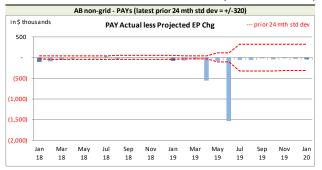
The associated variance between the actual changes and the projections from the previous month are shown in the charts at the top of the next page. **Earned premium** change projections are all attributed to the current accident year as the projection upload does not accept **earned premium** changes 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

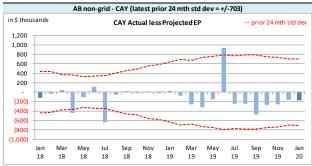
⁵Premium is earned on a daily basis based on the transaction term measured in days. As a result, months with 31 days earned relatively more than those with 30 days, and February earns the least.



to prior accident years.

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





On Latest \$ thousands					
Earned Premium	PAYs	CAY			
Mthly Avg EP Chg (prior 24 mths)	(125)	9,390			
std dev	320	703			
A-P <> std dev	8	3			
% <> std dev	32.0%	12.0%			
norm <> std dev	31.7%	31.7%			
performance vs 24-mth avg:	no better	better			

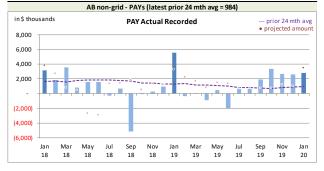
We project **earned premium** changes from known unearned premium and projected written premium levels, but upload the total projections as current accident year (CAY). This process has generated prior accident years' (PAYs) bias⁶, with actuals generally lower than projected, although the magnitude is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

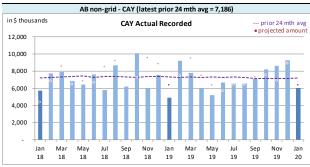
has also shown bias⁷, with actuals being generally lower than projected, modifications to our projections processes in response appears to have had a favourable impact, bias still exists. Over time, we may consider other projection approaches to narrow monthly variance levels, but it is not currently deemed a priority.

2.1.b AvsP: Recorded Indemnity & Allowed Claims Expense

The charts below 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





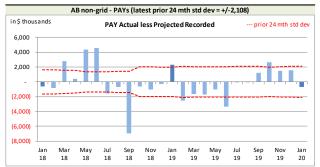
⁶The PAYs' variances will show bias as the projection upload forces all earned premium projections to be attributed to the CAY.

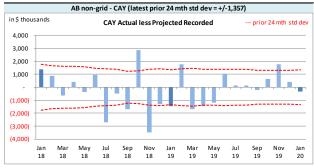
⁷We measure bias based on a 95% confidence range for a binominal distribution with trials based on the range being considered (25 in this case) and 50% probability of success. The rolling 25-month CAY variances at January 2020 had only 5 months where the actuals was higher than projected, and as the 95% confidence range is 8 to 17, bias continues to be indicated.



Recorded activity variances from the previous month's projections are shown in the charts below, 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	PAYs	CAY				
Mthly Avg Recorded (prior 24 mths)	984	7,186				
std dev	2,108	1,357				
A-P <> std dev	9	9				
% <> std dev	36.0%	36.0%				
norm <> std dev	31.7%	31.7%				
performance vs 24-mth avg:	no better	no better				

With respect to **recorded** indemnity & allowed claims expense activity, 36% 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 no better than simply projecting the prior 24-month average amount (assuming it

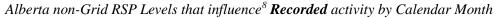
follows a normal distribution). Bias has not been indicated at a 95% confidence level on a rolling 25-month basis (9 of 25 variances are positive).

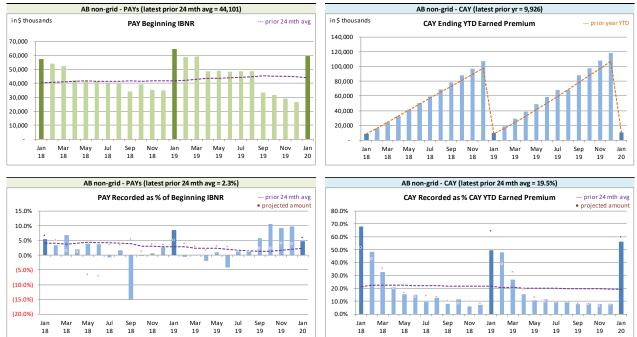
The current accident year (CAY) **recorded** variances fell outside of one standard deviation 36% of the time over the last 25 calendar months (see table above), suggesting that the projection process has performed no better than simply projecting the prior 24-month average amount. Management is considering ways of improving CAY projections. Bias has not been indicated at a 95% confidence level on a rolling 25-month basis (12 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, additional charts at the top of the next page related to levels influencing **recorded** activity.







We track PAY beginning IBNR as **recorded** activity comes out of IBNR. Changes in the PAY beginning IBNR (see upper left chart above) 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).

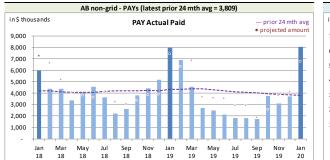
2.1.c AvsP: Paid Indemnity & Allowed Claims Expense

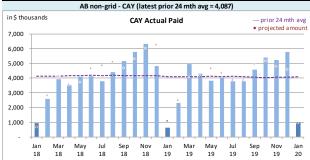
The charts at the top of the next page show actual **paid** activity in each of the most recent 25 calendar months, along with a "prior 24-month average" to show how each month's actual compares with the average amount of the preceding 24 calendar months.

⁸Our 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.



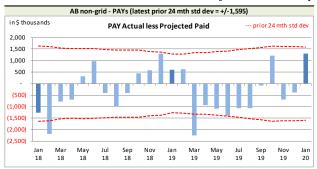
Alberta non-Grid RSP Actual Paid activity by Calendar Month

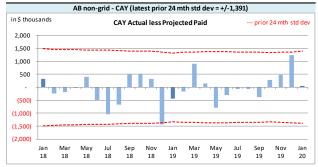




Paid activity variances from the previous month's projections are shown in the charts below, including the "prior 24-month standard deviation" levels to show how the variances from projection compare with historical standard deviations.

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)	3,809	4,087				
std dev	1,595	1,391				
A-P <> std dev	2	1				
% <> std dev	8.0%	4.0%				
norm <> std dev	31.7%	31.7%				
performance vs 24-mth avg:	better	better				

With respect to **paid** indemnity & allowed claims expense, 8% 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 (9 of 25 variances are positive).

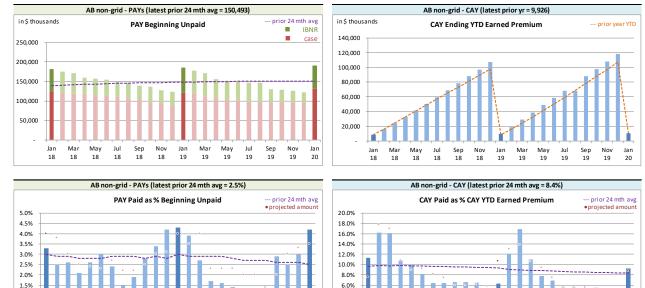
The current accident year (CAY) **paid** variances fell outside of one standard deviation 4% of the time over the last 25 calendar months (see table above), suggesting the projection process has performed better than simply projecting the prior 24-month average amount. Bias has not been indicated at a 95% confidence level on a rolling 25-month basis (11 of 25 variances are positive).

We have included, for reference, additional charts at the top of the next page related to levels influencing **paid** activity.



1.0%

Alberta non-Grid RSP Levels that influence 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 chart above) occur for several possible reasons:

4.0%

- 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 IBNR¹⁰, 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 table at the top of the next page summarizes variances in provisions included in this month's

⁹Our 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.

¹⁰For ease of discussion, "IBNR" is used in place of "provisions for incurred but not recorded (IBNR) and development".



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

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

Table 02			actuarial present value adjustments					
	IDNID		Discount	Amount	Provisions for Adverse		IBNR + actuarial present	
	IBNR		Discount Amount		Deviations		value adjustments	
Accident	Actual	Actual less	Actual	Actual less	Actual	Actual less	Actual	Actual less
Year	Actual	Projected	Actual	Projected	Actual	Projected	Actual	Projected
Prior	10,655	1,417	(2,719)	(2)	8,454	13	16,390	1,428
2018	14,039	783	(1,548)	29	5,142	(97)	17,633	715
2019	32,049	(1,564)	(2,666)	30	8,079	(89)	37,462	(1,623)
2020	5,366	164	(416)	9	1,271	(28)	6,221	145
TOTAL	62,109	800	(7,349)	66	22,946	(201)	77,706	665

The IBNR provision is \$0.8 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 table below 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 premium deficiency position (shown as a positive amount) prior to and after 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	•	Deficiency / ed Policy on 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:	4,676	30	4,648	27	9,324	57
balance as % unearned premium:	7.2%	-	7.2%	-	14.3%	-

actual unearned premium: 64,980 less projected: 382



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 loss¹¹ 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 table below summarizes the calendar year-to-date results for indemnity & allowed claims expenses 12, 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 107.2% rather than 106.7% (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.)

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

Table 04	YTD Nomina	l Values		YTD actuarial present value adjustment		YTD Total		Change from Prior Month YTD	
	Amount	% EP	Amount	% EP	Amount	% EP	Amount	LR pts	
PAYs	(46)	(0.4%)	(565)	(5.3%)	(611)	(5.8%)	#N/A	#N/A	
CAY	11,377	107.2%	855	8.1%	12,232	115.2%	#N/A	#N/A	
TOTAL	11,331	106.7%	290	2.7%	11,621	109.5%	#N/A	#N/A	

("% EP" based on 2019 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.

¹¹"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).

¹²Allowed 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.



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			Amount	ts in \$000s		
IBNR + M/S actuarial present	Accident	Actual	Actual	Projected	Projected	Projected
value adjustments	Year	Dec. 2019	Jan. 2020	Feb. 2020	Mar. 2020	Dec. 2020
	2004	42	42	42	40	31
	2005	13	13	13	12	11
	2006	18	18	18	16	14
	2007	(211)	(209)	(207)	(198)	(157)
	2008	66	65	64	61	48
	2009	33	(144)	(145)	(139)	(112)
	2010	(123)	(149)	(151)	(145)	(116)
	2011	403	408	397	383	296
	2012	549	701	683	658	510
	2013	111	97	87	86	61
	2014	1,298	1,300	1,272	1,223	956
discount rate	2015	2,494	2,787	2,735	2,626	2,056
1.46%	2016	2,218	2,018	1,950	1,840	1,374
	2017	8,540	9,443	9,239	8,823	5,727
interest rate margin	2018	17,706	17,633	17,110	16,356	12,194
25 basis pts	2019	41,715	37,462	35,973	35,398	30,861
	2020	-	6,221	8,983	11,744	48,250
	2021	=	<u>-</u>	<u> </u>	<u> </u>	-
	TOTAL	74,872	77,706	78,063	78,784	102,004
	Change		2,834	357	721	

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



EXHIBIT B

IBNR

	-						
TABLE EXHIBIT B	_			Amount	s in \$000s		
IBNR	Ultimate	Accident	Actual	Actual	Projected	Projected	Projected
	Loss Ratio	Year	Dec. 2019	Jan. 2020	Feb. 2020	Mar. 2020	Dec. 2020
	349.1%	2004	36	36	36	34	27
	97.4%	2005	5	5	5	5	5
	86.9%	2006	16	16	16	15	13
	101.5%	2007	(219)	(218)	(216)	(207)	(163)
	101.1%	2008	63	63	62	59	46
	95.3%	2009	(25)	(221)	(219)	(210)	(166)
	84.0%	2010	(187)	(218)	(216)	(207)	(163)
	84.1%	2011	210	209	207	198	156
	101.0%	2012	220	389	385	369	292
	98.1%	2013	(82)	(110)	(109)	(104)	(82)
	108.8%	2014	892	895	886	849	672
	95.4%	2015	1,844	2,153	2,131	2,041	1,613
	112.5%	2016	1,030	847	800	722	478
	107.0%	2017	5,901	6,809	6,632	6,261	3,604
	100.2%	2018	14,102	14,039	13,562	12,897	9,313
	102.2%	2019	35,759	32,049	30,831	30,523	26,743
	106.7%	2020	-	5,366	7,480	9,609	41,126
	108.7%	2021	-	-	-	-	-
		TOTAL	59,565	62,109	62,273	62,854	83,514
	_	Change	_	2,544	164	581	

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



EXHIBIT C

Premium Liabilities

TABLE EXHIBIT C		Amoun	ts in \$000s		
Premium Liabilities	Actual Dec. 2019	Actual Jan. 2020	Projected Feb. 2020	Projected Mar. 2020	Projected Dec. 2020
(1) unearned premium (UP)	64,062	64,980	63,094	65,752	75,542
FOR MEMBER SHARING					
(2) expected future costs ratio {% of (1)}	114.3%	114.3%	114.4%	114.5%	116.5%
(3) expected future costs {(1) x (2)}(4) premium deficiency / (deferred policy	73,243	74,304	72,165	75,259	87,981
acquisition cost)	9,181	9,324	9,071	9,507	12,439
Excluding Actuarial Present Value Adjustments					
(5) expected future costs ratio {% of (1)}	107.2%	107.2%	107.2%	107.3%	109.2%
(6) expected future costs {(1) x (5)}(7) premium deficiency / (deferred policy	68,661	69,656	67,652	70,553	82,477
acquisition cost)	4,599	4,676	4,558	4,801	6,935



EXHIBIT D

Projected Year-end Policy Liabilities

The table below presents the projected policy liabilities as at December 31, 2020, broken down by component.

Alberta non-Grid	Projected Balances as at Dec. 31, 2020 (\$000s)									•
ending 2020		nominal value	s		actu	arial present val	ue adjustments	(apvs)		
Acc Yr	Case	IBNR	Total Unpaid	discount	investment PfAD	nominal development PfAD	development PfAD discount	development PfAD	Total apvs	TOTAL
2004	16	27	43	-	-	4	-	4	4	47
2005	52	5	57	-	-	6	-	6	6	63
2006	-	13	13	-	-	1	-	1	1	14
2007	235	(163)	72	(1)	-	7	-	7	6	78
2008	(28)	46	18	-	-	2	-	2	2	20
2009	704	(166)	538	-	-	54	-	54	54	592
2010	794	(163)	631	(17)	3	63	(2)	61	47	678
2011	1,840	156	1,996	(64)	10	200	(6)	194	140	2,136
2012	2,938	292	3,230	(113)	19	323	(11)	312	218	3,448
2013	2,140	(82)	2,058	(66)	10	206	(7)	199	143	2,201
2014	3,663	672	4,335	(160)	26	434	(16)	418	284	4,619
2015	5,272	1,613	6,885	(255)	41	682	(25)	657	443	7,328
2016	13,253	478	13,731	(508)	82	1,373	(51)	1,322	896	14,627
2017	20,150	3,604	23,754	(879)	143	2,969	(110)	2,859	2,123	25,877
2018	23,326	9,313	32,639	(1,240)	196	4,080	(155)	3,925	2,881	35,520
2019	23,972	26,743	50,715	(2,029)	304	6,086	(243)	5,843	4,118	54,833
PAYs (sub-total):	98,327	42,388	140,715	(5,332)	834	16,490	(626)	15,864	11,366	152,081
CAY (2020)	45,531	41,126	86,657	(3,466)	607	10,399	(416)	9,983	7,124	93,781
claims liabilities:	143,858	83,514	227,372	(8,798)	1,441	26,889	(1,042)	25,847	18,490	245,862
	Unearned Premium	Premium Deficiency / (DPAC)	Total Provision	discount	investment PfAD	nominal development PfAD	development PfAD discount	development PfAD	Total apvs	TOTAL*
premium liabilities:	75,542	6,935	82,477	(2,546)	411	7,883	(244)	7,639	5,504	87,981
						*	Total may not be s	um of parts, as ap	vs apply to future	costs within UPR
policy liabilities:			309,849	(11,344)	1,852	34,772	(1,286)	33,486	23,994	333,843



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, 2019 from the valuation), followed by the selected discount rate and the associated margin for investment income.

Selected Claims Development MfADs (Sep. 30, 2019)

Accident	Third Party	Accident	Other	Tatal
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%	8.1%	10.0%
2014	10.0%	10.0%	10.0%	10.0%
2015	10.0%	10.0%	8.9%	9.9%
2016	10.0%	10.0%	10.0%	10.0%
2017	12.5%	10.0%	12.5%	12.5%
2018	12.4%	10.0%	12.5%	12.5%
2019	12.2%	10.0%	11.0%	12.0%
2020	11.8%	10.0%	5.2%	9.6%
prem liab	11.8%	10.0%	5.2%	9.6%

discount rate: 1.46% 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, 2019 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 (1.46%), the prior valuation assumption (1.43%) and the prior fiscal year end valuation assumption (2.29%) for comparative purposes. A 25 basis point margin for investment return adverse deviation is used in all scenarios presented.

\$ Format: \$000s

.	Actua	ial Present Va	iue of Provision	Jiis at vailous	Discount Nate	:S - Dec. 31, 20	119 projecteu t	Jiipaiu ?
	0.46%	0.96%	1.46%	1.96%	2.46%	2.96%	1.43%	2.29%
			-				-	
	-	-	-	-	-	-	-	-
	1	1	1	1	1	1	1	1
	19	19	19	19	19	19	19	19
							<u> </u>	
	816	809	801	794	787	780	802	789
	1,358	1,343	1,328	1,313	1,299	1,285	1,328	1,304
	2,662	2,629	2,597	2,566	2,536	2,506	2,599	2,546
	4,790	4,736	4,685	4,634	4,585	4,537	4,688	4,602
	4,076	4,024	3,973	3,923	3,875	3,828	3,976	3,892
	6,938	6,847	6,759	6,672	6,589	6,507	6,763	6,618
	11,017	10,872	10,732	10,595	10,463	10,333	10,739	10,508
	20,786	20,515	20,253	19,997	19,749	19,509	20,266	19,833
	32,391	31,953	31,535	31,124	30,728	30,345	31,556	30,862
	47,550	46,877	46,229	45,597	44,984	44,390	46,261	45,189
	76,476	75,404	74,373	73,368	72,402	71,460	74,433	72,729
	208,880	206,029	203,285	200,603	198,017	195,500	203,431	198,892
	curr - 100 bp	curr - 50 bp	curr val	curr + 50bp	curr + 100bp	curr + 150bp	prior val	prior fyr end
			assumption				assumption	assumption
Ì								
					o Valuation As		1	5
	0.46%	0.96%	Dollar Imp 1.46%	1.96%	2.46%	2.96%	1.43%	2.29%
	5,595	2,744	1.46% -	1.96% (2,682)	2.46% (5,268)	2.96% (7,785)	146	(4,393)
			1.46% - curr val	1.96% (2,682) curr + 50bp	2.46%	2.96%	146 prior val	(4,393) prior fyr end
	5,595	2,744	1.46% -	1.96% (2,682) curr + 50bp	2.46% (5,268)	2.96% (7,785)	146 prior val	(4,393)
	5,595	2,744	1.46% - curr val assumption	1.96% (2,682) curr + 50bp	2.46% (5,268) curr + 100bp	2.96% (7,785) curr + 150bp	146 prior val	(4,393) prior fyr end
	5,595 curr - 100 bp	2,744 curr - 50 bp	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ	2.46% (5,268) curr + 100bp	2.96% (7,785) curr + 150bp	prior val assumption	(4,393) prior fyr end assumption
	5,595	2,744	1.46% - curr val assumption	1.96% (2,682) curr + 50bp	2.46% (5,268) curr + 100bp	2.96% (7,785) curr + 150bp	146 prior val	(4,393) prior fyr end
	5,595 curr - 100 bp	2,744 curr - 50 bp	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ	2.46% (5,268) curr + 100bp	2.96% (7,785) curr + 150bp	prior val assumption	(4,393) prior fyr end assumption
	5,595 curr - 100 bp	2,744 curr - 50 bp	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ	2.46% (5,268) curr + 100bp	2.96% (7,785) curr + 150bp	prior val assumption	(4,393) prior fyr end assumption
	5,595 curr - 100 bp	2,744 curr - 50 bp	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ	2.46% (5,268) curr + 100bp	2.96% (7,785) curr + 150bp	prior val assumption	(4,393) prior fyr end assumption
	5,595 curr - 100 bp	2,744 curr - 50 bp	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ	2.46% (5,268) curr + 100bp	2.96% (7,785) curr + 150bp	prior val assumption	(4,393) prior fyr end assumption
	5,595 curr - 100 bp 0.46%	2,744 curr - 50 bp 0.96%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96%	2.46% (5,268) curr + 100bp e to Valuation 2.46%	2.96% (7,785) curr + 150bp Assumption 2.96%	146 prior val assumption 1.43%	(4,393) prior fyr end assumption 2.29%
	5,595 curr - 100 bp	2,744 curr - 50 bp 0.96% 1.0%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96%	2.46% (5,268) curr + 100bp e to Valuation 2.46%	2.96% (7,785) curr + 150bp Assumption 2.96%	prior val assumption	(4,393) prior fyr end assumption 2.29% (1.5%)
	5,595 curr - 100 bp	2,744 curr - 50 bp 0.96%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96% 	2.46% (5,268) curr + 100bp e to Valuation 2.46% (1.7%) (2.2%)	2.96% (7,785) curr + 150bp Assumption 2.96%	146 prior val assumption 1.43% 0.1%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%)
	5,595 curr - 100 bp 0.46% 1.9% 2.3%	2,744 curr - 50 bp 0.96%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96% 	2.46% (5,268) curr + 100bp e to Valuation 2.46% (1.7%) (2.2%)	2.96% (7,785) curr + 150bp Assumption 2.96% 	146 prior val assumption 1.43%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%)
	5,595 curr - 100 bp 0.46% 1.9% 2.3% 2.5% 2.2%	2,744 curr - 50 bp 0.96% 1.0% 1.1% 1.2%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96% (0.9%) (1.1%) (1.2%)	2.46% (5,268) curr + 100bp e to Valuation 2.46% (1.7%) (2.2%) (2.3%) (2.1%)	2.96% (7,785) curr + 150bp Assumption 2.96% 	146 prior val assumption 1.43%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (1.8%)
	5,595 curr - 100 bp 0.46% 1.9% 2.3% 2.5% 2.2% 2.6%	2,744 curr - 50 bp 0.96%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96%	2.46% (5,268) curr + 100bp e to Valuation 2.46% 	2.96% (7,785) curr + 150bp Assumption 2.96% 	146 prior val assumption 1.43% 0.1% 0.1% 0.1% 0.1%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (1.8%) (2.0%)
	5,595 curr - 100 bp 0.46% 1.9% 2.3% 2.5% 2.2% 2.6% 2.6%	2,744 curr - 50 bp 0.96%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96% 	2.46% (5,268) curr + 100bp e to Valuation 2.46% 	2.96% (7,785) curr + 150bp Assumption 2.96% 	146 prior val assumption 1.43% 0.1% 0.1% 0.1% 0.1% 0.1%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (2.0%) (2.1%)
	5,595 curr - 100 bp 0.46%	2,744 curr - 50 bp 0.96% 1.0% 1.1% 1.2% 1.1% 1.3% 1.3%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96%	2.46% (5,268) curr + 100bp e to Valuation 2.46% 	2.96% (7,785) curr + 150bp Assumption 2.96% 	146 prior val assumption 1.43%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (2.0%) (2.1%) (2.1%)
	5,595 curr - 100 bp 0.46% 1.9% 2.3% 2.5% 2.6% 2.6% 2.7% 2.6%	2,744 curr - 50 bp 0.96% 1.0% 1.1% 1.1% 1.3% 1.3% 1.3% 1.3%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96% (0.9%) (1.1%) (1.2%) (1.3%) (1.3%) (1.3%) (1.3%)	2.46% (5,268) curr + 100bp e to Valuation 2.46% 	2.96% (7,785) curr + 150bp Assumption 2.96% (2.6%) (3.2%) (3.5%) (3.5%) (3.5%) (3.7%) (3.7%) (3.7%)	146 prior val assumption 1.43%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (1.8%) (2.0%) (2.1%) (2.1%) (2.1%)
	5,595 curr - 100 bp 0.46%	2,744 curr - 50 bp 0.96% 1.0% 1.1% 1.2% 1.1% 1.3% 1.3% 1.3% 1.3% 1.3%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96% (0.9%) (1.1%) (1.1%) (1.3%) (1.3%) (1.3%) (1.3%) (1.3%) (1.3%)	2.46% (5,268) curr + 100bp e to Valuation 2.46% 	2.96% (7,785) curr + 150bp Assumption 2.96% (2.6%) (3.2%) (3.5%) (3.5%) (3.7%) (3.7%) (3.7%) (3.8%) (3.8%)	146 prior val assumption 1.43% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (2.1%) (2.1%) (2.1%) (2.1%) (2.1%) (2.1%)
	5,595 curr - 100 bp 0.46%	2,744 curr - 50 bp 0.96% 1.0% 1.1% 1.2% 1.3% 1.3% 1.3% 1.3% 1.3% 1.3%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96% (0.9%) (1.1%) (1.2%) (1.3%) (1.3%) (1.3%) (1.3%) (1.3%) (1.3%) (1.4%)	2.46% (5,268) curr + 100bp e to Valuation 2.46% (1.7%) (2.2%) (2.3%) (2.5%) (2.5%) (2.5%) (2.5%) (2.5%) (2.5%) (2.5%) (2.5%) (2.5%) (2.5%)	2.96% (7,785) curr + 150bp Assumption 2.96% (3.2%) (3.2%) (3.5%) (3.7%) (3.7%) (3.7%) (3.7%) (3.8%) (4.0%)	146 prior val assumption 1.43% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (2.1%) (2.1%) (2.1%) (2.1%) (2.1%) (2.2%)
	5,595 curr - 100 bp 0.46% 1.9% 2.3% 2.5% 2.6% 2.6% 2.7% 2.6% 2.7% 2.9% 2.8%	2,744 curr - 50 bp 0.96%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96% (0.9%) (1.1%) (1.1%) (1.3%) (1.3%) (1.3%) (1.3%) (1.4%) (1.4%)	2.46% (5,268) curr + 100bp e to Valuation 2.46% 	2.96% (7,785) curr + 150bp Assumption 2.96% 	146 prior val assumption 1.43% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (2.1%) (2.1%) (2.1%) (2.1%) (2.2%) (2.2%)
	5,595 curr - 100 bp 0.46%	2,744 curr - 50 bp 0.96%	1.46% curr val assumption Percentage I 1.46%	1.96% (2,682) curr + 50bp mpact Relativ 1.96% (1.96% (1.1%) (1.1%) (1.3%) (1.3%) (1.3%) (1.4%) (1.4%) (1.3%) (1.4%) (1.3%) (1.4%) (1.3%)	2.46% (5,268) curr + 100bp e to Valuation 2.46% (1.7%) (2.2%) (2.1%) (2.5%) (2.5%) (2.5%) (2.5%) (2.5%) (2.7%) (2.7%) (2.7%) (2.6%)	2.96% (7,785) curr + 150bp Assumption 2.96% (2.6%) (3.2%) (3.5%) (3.5%) (3.7%) (3.7%) (3.7%) (4.0%) (3.9%) (3.9%) (3.9%) (3.8%)	146 prior val assumption 1.43% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (2.1%) (2.1%) (2.1%) (2.1%) (2.2%) (2.2%) (2.2%)
	5,595 curr - 100 bp 0.46% 1.9% 2.3% 2.5% 2.2% 2.6% 2.6% 2.7% 2.6% 2.7% 2.9% 2.8%	2,744 curr - 50 bp 0.96%	1.46% - curr val assumption Percentage I	1.96% (2,682) curr + 50bp mpact Relativ 1.96% (1.96% (1.1%) (1.1%) (1.3%) (1.3%) (1.3%) (1.4%) (1.3%) (1.4%) (1.3%) (1.4%) (1.3%) (1.4%) (1.3%) (1.4%) (1.3%) (1.4%) (1.4%) (1.5%)	2.46% (5,268) curr + 100bp e to Valuation 2.46% (1.7%) (2.2%) (2.1%) (2.5%) (2.5%) (2.5%) (2.5%) (2.5%) (2.7%) (2.7%) (2.7%) (2.6%)	2.96% (7,785) curr + 150bp Assumption 2.96% 	146 prior val assumption 1.43% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1% 0.1%	(4,393) prior fyr end assumption 2.29% (1.5%) (1.8%) (2.0%) (2.1%) (2.1%) (2.1%) (2.1%) (2.2%) (2.2%)



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

RSP Alberta Non-Grid
AccountCode Desc IBNR - Discounted M/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	(2)	2	-	-	-	42
2005	13	-	-	-	-	-	13
2006	18	(1)	1	-	-	-	18
2007	(211)	12	(10)	-	2	(0.9%)	(209)
2008	66	(4)	3	-	(1)	(1.5%)	65
2009	33	19	(196)	-	(177)	(536.4%)	(144)
2010	(123)	12	(38)	-	(26)	21.1%	(149)
2011	403	(9)	14	-	5	1.2%	408
2012	549	(28)	180	-	152	27.7%	701
2013	111	12	(26)	-	(14)	(12.6%)	97
2014	1,298	(53)	55	-	2	0.2%	1,300
2015	2,494	(105)	398	-	293	11.7%	2,787
2016	2,218	(55)	(145)	-	(200)	(9.0%)	2,018
2017	8,540	(287)	1,190	-	903	10.6%	9,443
2018	17,706	(788)	715	-	(73)	(0.4%)	17,633
2019	41,715	(2,630)	(1,623)	-	(4,253)	(10.2%)	37,462
2020	-	6,076	145	-	6,221	100.0%	6,221
Grand Total	74,872	2,169	665	-	2,834	3.8%	77,706



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

RSP Alberta Non-Grid
AccountCode Desc IBNR - Undiscounted 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	(2)	2	-	-	-	36
2005	5	-	-	-	-	-	5
2006	16	(1)	1	-	-	-	16
2007	(219)	11	(10)	-	1	(0.5%)	(218)
2008	63	(3)	3	-	-	-	63
2009	(25)	1	(197)	-	(196)	784.0%	(221)
2010	(187)	9	(40)	-	(31)	16.6%	(218)
2011	210	(11)	10	-	(1)	(0.5%)	209
2012	220	(11)	180	-	169	76.8%	389
2013	(82)	4	(32)	-	(28)	34.1%	(110)
2014	892	(45)	48	-	3	0.3%	895
2015	1,844	(92)	401	-	309	16.8%	2,153
2016	1,030	(31)	(152)	-	(183)	(17.8%)	847
2017	5,901	(295)	1,203	-	908	15.4%	6,809
2018	14,102	(846)	783	-	(63)	(0.4%)	14,039
2019	35,759	(2,146)	(1,564)	-	(3,710)	(10.4%)	32,049
2020	-	5,202	164	-	5,366	100.0%	5,366
Grand Total	59,565	1,744	800	-	2,544	4.3%	62,109