

ALBERTA GRID RISK SHARING POOL FEBRUARY 2021 OPERATIONAL REPORT ACTUARIAL HIGHLIGHTS

Related Bulletin: F2021-020 AB RSP February 2021 Operational Report

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ACTUARIAL HIGHLIGHTS

RSP ALBERTA GRID

OPERATIONAL REPORT

FEBRUARY 2021

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1 Summary

Note to members: we are currently reviewing our member reporting requirements and intend to provide the **Actuarial Highlights quarterly instead of the current monthly reporting**, starting with the March 2021 participation reporting and aligned with the valuation schedule; please contact us with any questions or concerns in regards to this matter.

1.1 Valuation Schedule (Fiscal Year 2021)

The February 2021 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 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)	0.20% mfad ¹ 25 bp	Oct. 2020	update valuation (roll-forward): accident year 2020 loss ratio <u>de</u> creased 6.3 points to 70.6%; 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 March 4, 2021.

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 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%.



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

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 **most recent** 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).

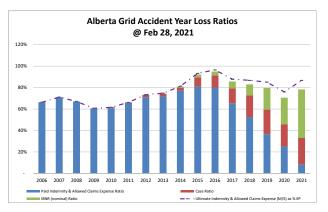
Amendments to the Alberta Automobile Accident Insurance Benefits Regulation, Diagnostic and Treatment Protocols Regulation, and Minor Injury Regulation came into force effective November 1, 2020, amending definitions and various benefit maximums defined in these regulations. Alberta Bill 41 (Insurance (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).

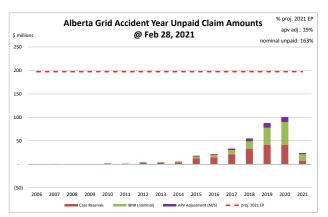
1.4 Current Provision Summary

The following charts show the current levels of claim liabilities² booked by accident year. The left chart displays life-to-date payments, case reserves, IBNR, and the total including actuarial present value adjustments against accident year earned premium. The right chart shows the associated dollar amounts for the components of the claim liabilities and the current projected amount of 2021full year earned premium (the red hash-mark line) to provide some perspective.

²Claim liabilities refer to provision for unpaid indemnity and allowed claims expenses. Allowed claims expenses are first party legal and other expense as listed in the RSP Claims Guide. Claims expenses paid through the member company expense allowance are NOT included in this discussion.







"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 (\$37.4 million – see the following table) represents 19% of the earned premium projected for the full year 2021 (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	186,889	52.0%
ibnr	134,863	37.6%
M/S apv adjust.	37,396	10.4%
M/S total	359,148	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 46% of the IBNR balance relates to accident years 2020 and 2021 (see Exhibit B).

Approximately 84% of the M/S total claim liabilities are related to accident years 2017-2021 inclusive (i.e. the most recent 5 accident years), and approximately 1% is related to accident years 2011 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 (\$000s)

premium nabilities (4000s)								
	amt	%						
unearned prem	94,803	115.6%						
prem def/(dpac)	(20,218)	(24.7%)						
M/S apv adjust.	7,390	9.0%						
M/S total	81 975	100.0%						

policy liabilities (\$000s)

	amt	%
claim	321,752	72.9%
premium	74,585	16.9%
M/S apv adjust.	44,786	10.2%
M/S total	441.123	100.0%

2 Activity During the Month of February 2021

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 Report³.

³There may be rounding differences in values in this document compared with the associated Bulletin and/or Operational Report.



Alberta Grid RSP Actual vs Projected Summary: Recorded Transaction Amounts (\$ thousands)	Recorded Transaction Amounts (\$ thousands)
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Table 01	Earned Premium		Paid Indemnity & Allowed Claims Expense		Case increase / (decrease)		Recorded increase / (decrease)	
Accident	Actual		Actual	Actual less	Actual	Actual less	Actual	Actual less
Year		Projected		Projected		Projected		Projected
Prior	(3)	(3)	4,317	1,465	(1,294)	230	3,023	1,695
2019	(42)	(42)	785	(398)	287	944	1,072	546
2020	(159)	(159)	2,030	(2,754)	(1,028)	2,010	1,002	(744)
2021	14,381	(1,593)	1,925	(504)	5,055	(1,236)	6,980	(1,741)
TOTAL	14,178	(1,796)	9,057	(2,191)	3,019	1,947	12,076	(244)

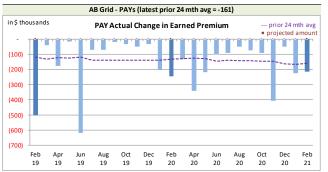
(Recorded transaction amounts exclude IBNR & other actuarial provisions)

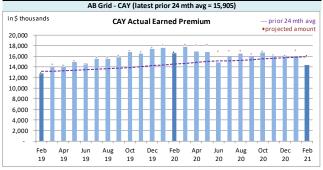
Claims transaction activity is generally volatile; changes from one month to the next are anticipated due to this natural "process variance" (i.e. random variation). Each month, the projection variances are reviewed for signs of projection bias and to identify potential ways to reduce the level of the 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**⁴ activity in each of the most recent 25 calendar months, along with a "prior 24-month average" to show how each month's actual compares with the average amount of the preceding 24 calendar months.

Alberta 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)	(161)	15,905			
std dev	162	1,222			
A-P <> std dev	10	2			
% <> std dev	40.0%	8.0%			
norm <> std dev	31.7%	31.7%			
performance vs 24-mth avg:	worse	better			

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

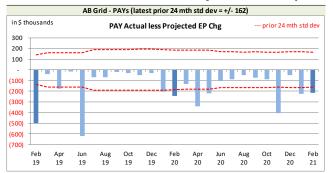
that the actual less projection variance will equal the actual earned premium change in relation to

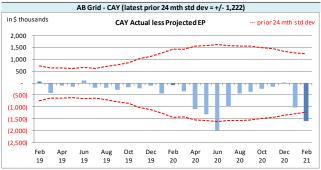
⁴Premium is earned on a daily basis based on the transaction term measured in days. As a result, months with 31 days earned relatively more than those with 30 days, and February earns the least.



prior accident years.

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



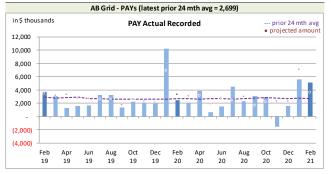


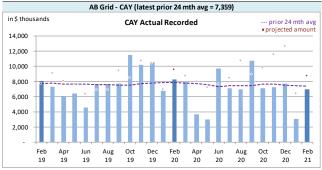
We project **earned premium** changes from known unearned premium balances and projected written premium levels, but upload the total projections as current accident year (CAY). This process has generated prior accident years' (PAYs) bias⁵, with actuals generally lower than projected, although the magnitude is not high relative to monthly premium. In addition to the PAYs' bias, the CAY has also shown bias⁶, with actuals being generally lower than projected, and while we modified our projections processes in response, bias still exists. Over time, we may consider other projection approaches to address the bias issue, but it has not currently deemed as a 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 Grid RSP Actual Recorded by Calendar Month





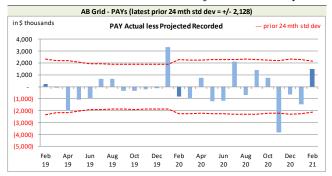
Recorded activity variances from the previous month's projections shown in the following charts, including the "prior 24-month standard deviation" levels to show how the variances from projection compare with historical standard deviations.

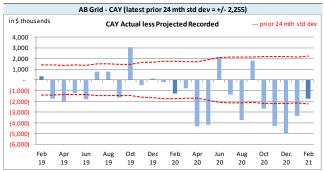
⁵The PAYs' variances will show bias as the projection upload forces all earned premium projections to be attributed to the CAY.

⁶We measure bias based on a 95% confidence range for a binominal distribution with trials based on the range being considered (25 in this case) and 50% probability of success. The rolling 25-month CAY variances at February 2021 has only 3 months where the actuals were higher than projected, and as the 95% confidence range is 8 to 17, bias continues to be indicated.



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





On Latest \$thousands							
Recorded	PAYs	CAY					
Mthly Avg Recorded (prior 24 mths)	2,699	7,359					
std dev	2,128	2,255					
A-P <> std dev	2	13					
% <> std dev	8.0%	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, 8% 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). Bias⁷ has not been indicated at a 95% confidence level on a rolling 25-month basis (9 of 25 variances were positive).

The current accident year (CAY) **recorded** variances fell outside of one standard deviation 52% of the time over the last 25 calendar months (see preceding table on the left), suggesting that the projection process has performed worse than simply projecting the prior 24-month average amount. Bias has been indicated at a 95% confidence level on a lagging 24-month basis (7 of 25 variances were positive).

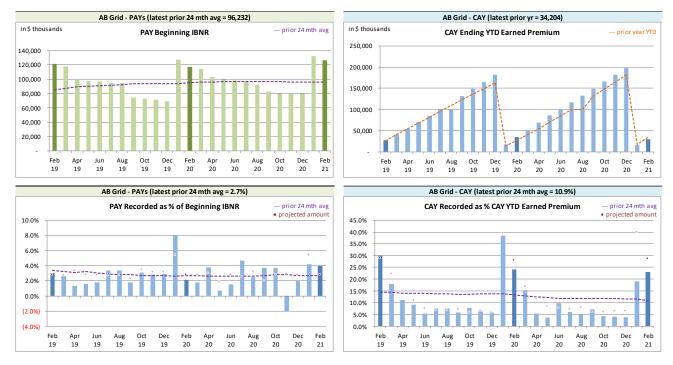
The method for establishing IBNR adjusts automatically for changes in **earned premium** and **recorded** claims activity level (see sections 2.2 and 3).

We have included, for reference, additional charts below related to levels influencing **recorded** activity. Note in particular the changes in the level of PAY beginning IBNR over the months, as a response to valuations and showing up as a beginning IBNR change one month after the valuation is implemented (i.e. April, June, September, and November).

⁷ For the binomial distribution with 25 trials and an assumed 50% success probability, the 95% confidence range is 8 to 17 successes. That is, favourable or unfavourable counts of 0 to 7 or 18 to 25 out of 25 outcomes would suggest bias.



Alberta Grid RSP Levels that influence⁸ **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).

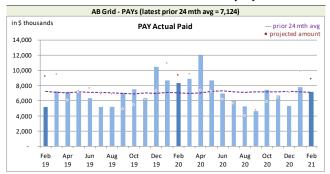
2.1.c AvsP: Paid Indemnity & Allowed Claims Expense

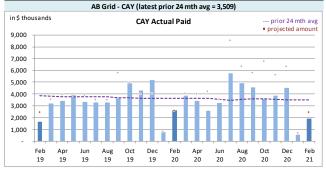
The following charts show actual **paid** activity in each of the most recent 25 calendar months, along with a "prior 24-month average" to show how each month's actual compares with the average amount of the preceding 24 calendar months.

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.



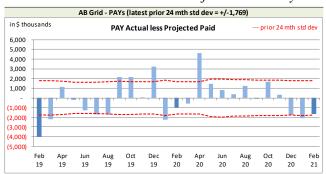
Alberta Grid RSP Actual Paid activity by Calendar Month

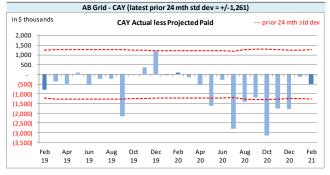




Paid activity variances from the previous month's projections shown in the following charts, including the prior 24-month standard deviation levels to show how the variances from projection compare with historical standard deviations.

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





On Latest \$ thousands							
Paid	PAYs	CAY					
Mthly Avg Paid (prior 24 mths)	7,124	3,509					
std dev	1,769	1,261					
A-P <> std dev	11	7					
% <> std dev	44.0%	28.0%					
norm <> std dev	31.7%	31.7%					
performance vs 24-mth avg:	worse	no better					

With respect to **paid** indemnity & allowed claims expense, 44% 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 worse than simply projecting the prior 24-month average amount (assuming it follows a normal distribution),

and we are actively looking into the projection process for means of improving this result. Bias has not been indicated at a 95% confidence level on a rolling 25-month basis (12 of 25 variances are positive).

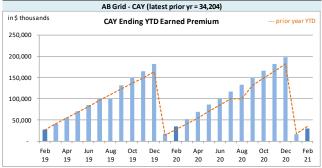
The current accident year (CAY) **paid** variances fell outside one standard deviation 28% of the time over the last 25 calendar months (see preceding table on the left), suggesting the projection process has performed no better than simply projecting the prior 24-month average amount. Bias has been indicated at a 95% confidence level on a rolling 25-month basis (4 of 25 variances are positive).

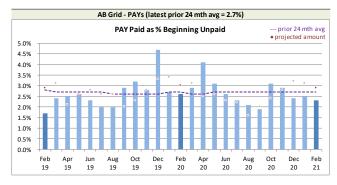
We have included, for reference, the following charts related to levels influencing paid activity.

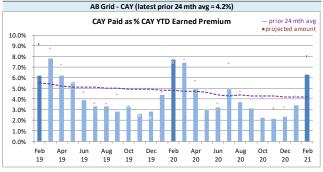


Alberta Grid RSP Levels that influence Paid activity by Calendar Month









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 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 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 based on the applicable valuation.

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

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".



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

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

Table 02			actuarial present value adjustments					
IDND		Discount Amount		Provisions for Adverse		IBNR + actuarial present		
	IBNR		Discount Amount		Deviations		value adjustments	
Accident	Actual less		Actual	Actual less	Actual	Actual less	Actual	Actual less
Year	Actual	Projected	Actual	Projected	Actual	Projected	Actual	Projected
Prior	35,848	(1,705)	(615)	4	15,041	(156)	50,274	(1,857)
2019	36,488	(579)	(390)	(2)	10,099	48	46,197	(533)
2020	48,760	632	(539)	(16)	11,256	331	59,477	947
2021	13,767	494	(128)	4	2,672	(92)	16,311	406
TOTAL	134,863	(1,158)	(1,672)	(10)	39,068	131	172,259	(1,037)

The IBNR provision is \$1.2 million lower 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 years IBNR amount change from last month to this month are broken down:

- (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 and after actuarial present value adjustments. Actuarial present value adjustments decrease the asset 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 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:	(20,218)	350	7,390	(133)	(12,828)	217
balance as % unearned premium:	(21.3%)	-	7.8%	=	(13.5%)	-

actual unearned premium: 94,803 less projected: (1,690)



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 following table summarizes the calendar year-to-date results for indemnity & allowed claims expenses¹², 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 79.4% rather than 78.3% (the valuation ultimate ratio for accident year 2021), 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 Grid RSP Summary of Operations due to rounding.)

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

Table 04	YTD Nominal Values		YTD actuarial present value adjustment		YTD To	tal	Change from Prior Month YTD	
	Amount	% EP	Amount	% EP	Amount	% EP	Amount	LR pts
PAYs	(320)	(1.1%)	(1,711)	(5.7%)	(2,031)	(6.8%)	(965)	-
CAY	23,797	79.4%	2,544	8.5%	26,341	87.9%	12,376	(0.6%)
TOTAL	23,477	78.4%	833	2.8%	24,310	81.2%	11,410	(0.5%)

("% EP" based on 2021 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 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.

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.





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 shown in the Operational Report as "Undiscounted IBNR".

The ultimate loss ratios presented in section 6, Exhibit B, refer to the estimates derived based on various actuarial methodologies applied to the experience of the Alberta 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		Amounts in \$000s								
IBNR + M/S actuarial present	Accident	Actual	Actual	Projected	Projected	Projected				
value adjustments	Year	Jan. 2021	Feb. 2021	Mar. 2021	Apr. 2021	Dec. 2021				
	2005	13	13	13	12	10				
	2006	(119)	(119)	(116)	(113)	(88)				
	2007	150	193	188	183	140				
	2008	11	11	10	9	5				
	2009	45	46	45	43	33				
	2010	152	(342)	(336)	(325)	(255)				
	2011	73	(217)	(214)	(207)	(162)				
	2012	682	681	663	642	492				
	2013	585	848	826	799	614				
	2014	1,871	2,027	1,979	1,914	1,478				
	2015	5,763	5,427	5,296	5,123	3,950				
discount rate	2016	7,012	6,686	6,524	6,311	4,868				
0.20%	2017	14,166	12,475	12,125	11,631	8,635				
	2018	23,425	22,615	22,179	21,299	16,760				
interest rate margin	2019	47,404	46,197	45,083	43,596	35,918				
25 basis pts	2020	60,847	59,477	57,738	56,898	47,872				
	2021	10,915	16,311	22,355	27,765	66,844				
	TOTAL	172,925	172,259	174,290	175,514	187,064				
	Change		(666)	2,031	1,224					

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



EXHIBIT B

IBNR

TABLE EXHIBIT B		Amounts in \$000s							
IBNR	Ultimate Loss Ratio	Accident Year	Actual Jan. 2021	Actual Feb. 2021	Projected Mar. 2021	Projected Apr. 2021	Projected Dec. 2021		
	60.5%	2005	(26)	(26)	(25)	(24)	(18)		
	66.3%	2006	(129)	(129)	(126)	(122)	(95)		
	71.1%	2007	83	135	132	128	99		
	67.1%	2008	(9)	(9)	(9)	(9)	(9)		
	60.6%	2009	25	26	25	24	18		
	61.5%	2010	20	(469)	(459)	(444)	(346)		
	66.2%	2011	(58)	(315)	(308)	(298)	(231)		
	73.2%	2012	294	294	288	278	216		
	74.5%	2013	133	451	442	427	332		
	80.9%	2014	1,311	1,482	1,451	1,403	1,090		
	92.2%	2015	3,996	3,777	3,698	3,576	2,778		
	95.0%	2016	5,045	4,743	4,643	4,490	3,488		
	85.8%	2017	11,060	9,454	9,170	8,739	6,373		
	83.0%	2018	17,214	16,512	16,198	15,437	11,930		
	79.7%	2019	37,593	36,488	35,539	34,224	27,912		
	70.6%	2020	49,874	48,760	47,492	46,970	39,382		
	78.3%	2021	9,486	13,767	18,613	23,075	53,373		
		TOTAL	135,834	134,863	136,688	137,801	146,236		
		Change		(971)	1,825	1,113			

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



EXHIBIT C

Premium Liabilities

TABLE EXHIBIT C		Amounts in \$000s					
	Actual	Actual	Projected	Projected	Projected		
Premium Liabilities	Jan. 2021	Feb. 2021	Mar. 2021	Apr. 2021	Dec. 2021		
(1) unearned premium (UP)	97,271	94,803	91,536	93,074	117,816		
FOR MEMBER SHARING							
(2) expected future costs ratio {% of (1)}	86.4%	86.5%	86.5%	86.7%	88.6%		
(3) expected future costs {(1) x (2)}	84,074	81,975	79,224	80,674	104,410		
(4) premium deficiency / (deferred policy							
acquisition cost)	(13,197)	(12,828)	(12,312)	(12,400)	(13,406)		
Excluding Actuarial Present Value Adjustments							
(5) expected future costs ratio {% of (1)}	78.6%	78.7%	78.7%	78.9%	80.6%		
(6) expected future costs {(1) x (5)}	76,495	74,585	72,082	73,401	94,996		
(7) premium deficiency / (deferred policy							
acquisition cost)	(20,776)	(20,218)	(19,454)	(19,673)	(22,820)		



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 Grid	Projected Balances as at Dec. 31, 2021 (\$000s)											
ending 2021		nominal values			actua	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		
2005	295	(18)	277	-	-	28	-	28	28	305		
2006	164	(95)	69	-	-	7	-	7	7	76		
2007	314	99	413	(1)	1	41	-	41	41	454		
2008	149	(9)	140	-	-	14	-	14	14	154		
2009	127	18	145	-	-	15	-	15	15	160		
2010	1,251	(346)	905	(3)	3	91	-	91	91	996		
2011	924	(231)	693	(3)	3	69	-	69	69	762		
2012	2,551	216	2,767	(11)	11	277	(1)	276	276	3,043		
2013	2,494	332	2,826	(8)	8	283	(1)	282	282	3,108		
2014	2,798	1,090	3,888	(12)	12	389	(1)	388	388	4,276		
2015	8,994	2,778	11,772	(47)	47	1,177	(5)	1,172	1,172	12,944		
2016	10,384	3,488	13,872	(69)	69	1,387	(7)	1,380	1,380	15,252		
2017	16,352	6,373	22,725	(114)	114	2,273	(11)	2,262	2,262	24,987		
2018	26,904	11,930	38,834	(194)	194	4,854	(24)	4,830	4,830	43,664		
2019	36,453	27,912	64,365	(322)	322	8,046	(40)	8,006	8,006	72,371		
2020	31,791	39,382	71,173	(427)	427	8,541	(51)	8,490	8,490	79,663		
PAYs (sub-total):	141,944	92,863	234,807	(1,211)	1,211	27,498	(141)	27,357	27,357	262,164		
CAY (2021)	59,561	53,373	112,934	(678)	678	13,552	(81)	13,471	13,471	126,405		
claims liabilities:	201,505	146,236	347,741	(1,889)	1,889	41,050	(222)	40,828	40,828	388,569		
	Unearned Premium	Premium Deficiency / (DPAC)	Total Provision	discount	investment PfAD	nominal development PfAD	development PfAD discount	development PfAD	Total apvs	TOTAL*		
premium liabilities:	117,816	(22,820)	94,996	(473)	473	9,461	(47)	9,414	9,414	104,410		
						*	Total may not be s	um of parts, as ap	vs apply to future	costs within UPR		
policy liabilities:			442,737	(2,362)	2,362	50,511	(269)	50,242	50,242	492,979		



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, 2020)

		2	020)	
Accident	Third Party	Accident	Other	Total
Year	Liability	Benefits	Coverages	
	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%	10.0%	10.0%
2014	10.0%	10.0%	10.0%	10.0%
2015	10.0%	10.0%	10.0%	10.0%
2016	10.0%	10.0%	9.6%	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%	12.5%	12.5%
2020	12.2%	10.0%	8.4%	12.0%
2021	11.9%	10.0%	5.1%	10.0%
prem liab	11.9%	10.0%	5.1%	10.0%

discount rate: 0.20% 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 (0.20%), the prior valuation assumption (0.24%) and the prior fiscal year end valuation assumption (1.44%) for comparative purposes. A 25 basis point margin for investment return adverse deviation is used in all scenarios presented.

\$ Format: \$000s

						s - Dec. 31, 20	1	
AY	0.00%	0.00%	0.20%	0.70%	1.20%	1.70%	0.24%	1.44%
004	-	-	-	-	-	-	-	-
005	228	228	228	228	228	227	228	227
006	216	216	216	215	214	213	216	214
007	702	702	702	699	695	691	702	693
800	313	313	313	311	309	306	313	308
009	202	202	202	200	199	197	202	198
010	1,297	1,297	1,297	1,286	1,275	1,264	1,297	1,270
011	1,914	1,914	1,914	1,899	1,882	1,866	1,914	1,874
012	3,606	3,606	3,605	3,577	3,547	3,518	3,605	3,533
013	5,451	5,451	5,449	5,407	5,361	5,316	5,449	5,339
014	7,596	7,596	7,593	7,523	7,448	7,373	7,593	7,412
)15	20,119	20,119	20,110	19,903	19,679	19,460	20,110	19,575
)16	22,484	22,484	22,474	22,246	22,001	21,760	22,474	21,886
017	34,436	34,436	34,420	34,045	33,642	33,250	34,417	33,452
018	57,644	57,644	57,612	56,928	56,190	55,478	57,605	55,848
19	89,348	89,348	89,289	88,105	86,828	85,588	89,279	86,232
020	104,517	104,517	104,450	103,010	101,458	99,964	104,439	100,750
tal	350,073	350,073	349,874	345,582	340,956	336,471	349,843	338,811
	curr - 100 bp	curr - 50 bp	curr val	curr + 50bp	curr + 100bp	curr + 150bp	prior val	prior fyr end
			assumption				assumption	assumption
			Dollar Imp	act Relative t	o Valuation As	sumption		
v								
	0.00%	0.00%	0.20%	0.70%	1.20%	1.70%	0.24%	1.44%
	199	199	-	(4,292)	(8,918)	(13,403)	(31)	(11,063)
			curr val	(4,292) curr + 50bp		(13,403)	(31) prior val	(11,063 prior fyr end
	199	199	-	(4,292) curr + 50bp	(8,918)	(13,403)	(31) prior val	(11,063 prior fyr end
	199	199	curr val assumption	(4,292) curr + 50bp	(8,918) curr + 100bp	(13,403) curr + 150bp	(31) prior val	(11,063 prior fyr end
otal	199 curr - 100 bp	199 curr - 50 bp	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ	(8,918) curr + 100bp e to Valuation	(13,403) curr + 150bp Assumption	(31) prior val assumption	(11,063) prior fyr end assumption
otal	199	199	curr val assumption	(4,292) curr + 50bp	(8,918) curr + 100bp	(13,403) curr + 150bp	(31) prior val	(11,063 prior fyr end
otal	199 curr - 100 bp	199 curr - 50 bp	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ	(8,918) curr + 100bp e to Valuation	(13,403) curr + 150bp Assumption	(31) prior val assumption	(11,063) prior fyr end assumption
AY 004	199 curr - 100 bp	199 curr - 50 bp	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ	(8,918) curr + 100bp e to Valuation	(13,403) curr + 150bp Assumption	(31) prior val assumption	(11,063) prior fyr end assumption 1.44%
AY 004 005	199 curr - 100 bp	199 curr - 50 bp	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ	(8,918) curr + 100bp e to Valuation	(13,403) curr + 150bp Assumption 1.70%	(31) prior val assumption	(11,063 prior fyr end assumption 1.44%
AY 004 005 006	199 curr - 100 bp	199 curr - 50 bp	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70%	(8,918) curr + 100bp e to Valuation 1.20%	(13,403) curr + 150bp Assumption 1.70% - (0.4%)	(31) prior val assumption	(11,063 prior fyr enc assumption 1.44%
NY 004 005 006 007	199 curr - 100 bp	199 curr - 50 bp	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% - - (0.5%)	(8,918) curr + 100bp e to Valuation 1.20%	(13,403) curr + 150bp Assumption 1.70% - (0.4%) (1.4%)	(31) prior val assumption	(11,063 prior fyr end assumption 1.44% (0.4% (0.9% (1.3%
AY 004 005 006 007 008	199 curr - 100 bp	199 curr - 50 bp	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%)	(13,403) curr + 150bp Assumption 1.70% (0.4%) (1.4%) (1.6%)	(31) prior val assumption	(11,063) prior fyr end assumption 1.44% (0.4%) (0.9%) (1.3%) (1.6%)
AY 004 005 006 007 008 009	199 curr - 100 bp	199 curr - 50 bp	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70%	(8,918) curr + 100bp e to Valuation 1.20%	(13,403) curr + 150bp Assumption 1.70% - (0.4%) (1.4%) (1.5%) (2.2%)	(31) prior val assumption	(11,063 prior fyr end assumption 1.44% (0.4% (0.9% (1.3% (1.6% (2.0%
NY 004 005 006 007 008 009 010	199 curr - 100 bp	199 curr - 50 bp	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.6%) (1.0%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.3%) (1.5%)	(13,403) curr + 150bp Assumption 1.70% (0.4%) (1.6%) (2.2%) (2.5%) (2.5%)	(31) prior val assumption	(11,063) prior fyr end assumption 1.44% (0.4%) (0.9%) (1.3%) (1.6%) (2.0%) (2.1%)
AY	0.00%	0.00%	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.6%) (1.0%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.3%) (1.5%) (1.7%)	(13,403) curr + 150bp Assumption 1.70% (0.4%) (1.6%) (2.2%) (2.5%) (2.5%)	(31) prior val assumption	(11,063) prior fyr end assumption 1.44%
AY 004 005 006 007 008 009 010 011 012 013	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00%	curr val assumption Percentage I	(4,292) curr +50bp mpact Relativ 0.70%	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.3%) (1.5%) (1.7%)	(13,403) curr + 150bp Assumption 1.70% (0.4%) (1.6%) (2.2%) (2.5%) (2.5%)	(31) prior val assumption	(11,063 prior fyr enc assumption 1.44% (0.9% (1.3% (1.6% (2.0% (2.1% (2.1% (2.0%)
004 005 006 007 008 009 010 011 012	0.00%	0.00%	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.6%) (0.8%) (0.8%) (0.8%)	(8,918) curr + 100bp e to Valuation 1.20%	(13,403) curr + 150bp Assumption 1.70%	(31) prior val assumption	(11,063 prior fyr end assumption 1.44% (0.4% (0.9% (1.3% (1.6% (2.0% (2.1% (2.1% (2.0% (2.0%
NY 004 005 006 007 008 009 010 011 012 013 014 005	199 curr - 100 bp	0.00% 0.00% 0.0% 0.0% 0.0% 0.0%	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.6%) (1.0%) (0.8%) (0.8%) (0.8%) (0.9%) (1.0%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.3%) (1.5%) (1.7%) (1.6%) (1.6%) (1.9%) (2.1%)	(13,403) curr + 150bp Assumption 1.70%	(31) prior val assumption	(11,063 prior fyr end assumption 1.44% (0.9% (1.3% (1.6% (2.0% (2.1% (2.0% (2.0% (2.0% (2.0% (2.0% (2.7%)
004 005 006 007 008 009 009 010 011 012 013 014	199 curr - 100 bp 0.00%	0.00% 0.00% 0.0% 0.0% 0.0% 0.0%	curr val assumption Percentage I	(4,292) curr +50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.6%) (1.0%) (0.8%) (0.8%) (0.8%) (0.9%) (1.0%) (1.0%) (1.0%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.3%) (1.5%) (1.7%) (1.6%) (1.6%) (2.1%) (2.1%)	(13,403) curr + 150bp Assumption 1.70% (0.4%) (1.6%) (2.2%) (2.5%) (2.5%) (2.4%) (2.4%) (2.9%) (3.2%) (3.2%) (3.2%)	(31) prior val assumption 0.24%	(11,063 prior fyr end assumption 1.44% (0.9% (1.3% (1.6% (2.0% (2.1% (2.0% (2.0% (2.0% (2.0% (2.0% (2.0% (2.0% (2.0%
AY	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00%	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70%	(8,918) curr + 100bp e to Valuation 1.20%	(13,403) curr + 150bp Assumption 1.70% (0.4%) (1.4%) (2.2%) (2.5%) (2.5%) (2.4%) (2.4%) (3.2%) (3.2%) (3.4%)	(31) prior val assumption 0.24%	(11,063 prior fyr end assumption 1.44% (0.9% (1.3% (2.0% (2.1% (2.1% (2.0% (2.2% (2.7% (2.6% (2.8%
AY 004 005 006 007 008 009 010 011 012 013 014 015 016 017 018	0.00% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	0.00% 0.00%	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.6%) (0.8%) (0.8%) (0.8%) (0.9%) (1.0%) (1.0%) (1.1%) (1.1%) (1.2%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.3%) (1.5%) (1.6%) (1.6%) (2.1%) (2.1%) (2.3%) (2.5%)	(13,403) curr + 150bp Assumption 1.70% (0.4%) (1.4%) (2.2%) (2.5%) (2.5%) (2.4%) (2.9%) (3.2%) (3.2%) (3.2%) (3.2%) (3.7%)	(31) prior val assumption 0.24% (0.0%) (0.0%)	(11,063 prior fyr end assumption 1.44% (0.4% (0.9% (1.3% (1.6% (2.1% (2.1% (2.0% (2.2% (2.2% (2.2% (2.6% (2.8% (3.1%
NAY 0004 0005 0006 0007 0008 0010 011 012 013 014 015 017 018	0.00% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	0.00% 0.00% 0.00% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% 0.1%	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.8%) (0.8%) (0.8%) (0.8%) (1.0%) (1.0%) (1.0%) (1.1%) (1.1%) (1.2%) (1.3%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.7%) (1.7%) (1.6%) (1.9%) (2.1%) (2.1%) (2.3%) (2.5%) (2.8%)	(13,403) curr + 150bp Assumption 1.70% - (0.4%) (1.6%) (2.5%) (2.5%) (2.5%) (2.4%) (2.9%) (3.2%) (3.2%) (3.2%) (3.2%) (3.2%) (3.4%) (3.7%) (4.1%)	(31) prior val assumption 0.24% (0.0%) (0.0%) (0.0%)	(11,063 prior fyr end assumption 1.44% (0.4% (0.9% (1.3% (1.6% (2.1% (2.1% (2.0% (2.2% (2.6% (2.6% (2.6% (2.8% (3.1% (3.4%
NAY 0004 0005 0006 0007 0008 0009 0011 0012 0013 0014 0015 0016 0017 0018 0019 0020	0.00% 0.00% 0.00% 0.00% 0.0% 0.0% 0.0%	0.00% 0.00% 0.00% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% 0.1% 0.1%	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.6%) (0.8%) (0.8%) (0.8%) (0.9%) (1.0%) (1.1%) (1.2%) (1.3%) (1.4%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.3%) (1.7%) (1.7%) (1.6%) (2.1%) (2.1%) (2.2%) (2.5%) (2.8%) (2.9%)	(13,403) curr + 150bp Assumption 1.70% (0.4%) (1.6%) (2.2%) (2.5%) (2.5%) (2.4%) (2.9%) (3.2%) (3.2%) (3.2%) (3.4%) (3.7%) (4.1%) (4.3%)	(31) prior val assumption 0.24% (0.0%) (0.0%) (0.0%) (0.0%)	(11,063 prior fyr end assumption 1.44% (0.4% (0.9% (1.3% (2.0% (2.1% (2.1% (2.0% (2.4% (2.7% (2.6% (3.1% (3.1% (3.5%
Y 004 005 006 007 008 009 1111 112 113 114 115 116 117 118 119 120	199 curr - 100 bp 0.00%	0.00% 0.00% 0.00% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% 0.1% 0.1% 0.1%	curr val assumption Percentage I 0.20%	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.6%) (1.0%) (0.8%) (0.8%) (1.0%) (1.0%) (1.1%) (1.1%) (1.2%) (1.3%) (1.4%) (1.2%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.3%) (1.7%) (1.7%) (1.6%) (2.1%) (2.1%) (2.5%) (2.8%) (2.9%) (2.5%)	(13,403) curr + 150bp Assumption 1.70% - (0.4%) (1.6%) (2.2%) (2.5%) (2.5%) (2.5%) (2.4%) (2.9%) (3.2%) (3.2%) (3.4%) (3.7%) (4.1%) (4.3%) (3.8%)	(31) prior val assumption 0.24% (0.0%) (0.0%) (0.0%) (0.0%) (0.0%)	(11,063) prior fyr end assumption 1.44% (0.9% (1.3%) (1.6%) (2.1%) (2.1%) (2.0%) (2.1%) (2.0%) (2.6%) (2.8%) (3.1%) (3.4%) (3.5%) (3.2%)
AY otal AY 0004 0005 0006 0007 0008 0009 0110 0011 0012 0014 0015 0016 0017 0018 0019 0019 0019 0019	0.00% 0.00% 0.00% 0.00% 0.0% 0.0% 0.0%	0.00% 0.00% 0.00% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.1% 0.1% 0.1%	curr val assumption Percentage I	(4,292) curr + 50bp mpact Relativ 0.70% (0.5%) (0.4%) (0.6%) (0.8%) (0.8%) (0.8%) (0.9%) (1.0%) (1.1%) (1.2%) (1.3%) (1.4%)	(8,918) curr + 100bp e to Valuation 1.20% (0.9%) (1.0%) (1.3%) (1.7%) (1.7%) (1.6%) (2.1%) (2.1%) (2.2%) (2.5%) (2.8%) (2.9%)	(13,403) curr + 150bp Assumption 1.70% - (0.4%) (1.6%) (2.2%) (2.5%) (2.5%) (2.5%) (2.4%) (2.9%) (3.2%) (3.2%) (3.4%) (3.7%) (4.1%) (4.3%) (3.8%)	(31) prior val assumption 0.24% (0.0%) (0.0%) (0.0%) (0.0%)	(11,063) prior fyr end assumption 1.44% (0.4%) (0.9%) (1.3%) (2.1%) (2.1%) (2.1%) (2.0%) (2.2%) (2.2%) (2.6%) (2.6%) (3.1%) (3.1%) (3.5%)



EXHIBIT G

Page 1 of 2 Components of Member Statement IBNR (i.e. "Discounted") Change During Month

RSP	Alberta Grid
AccountCode Desc	esc IBNR - Discount

	Values	ı					
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
2005	13	-	-	-	-	-	13
2006	(119)	3	(3)	-	-	-	(119)
2007	150	(4)	47	-	43	28.7%	193
2008	11	(1)	1	-	-	-	11
2009	45	(1)	2	-	1	2.2%	46
2010	152	(4)	(490)	-	(494)	(325.0%)	(342)
2011	73	(3)	(287)	-	(290)	(397.3%)	(217)
2012	682	(17)	16	-	(1)	(0.1%)	681
2013	585	(17)	280	-	263	45.0%	848
2014	1,871	(43)	199	-	156	8.3%	2,027
2015	5,763	(133)	(203)	-	(336)	(5.8%)	5,427
2016	7,012	(161)	(165)	-	(326)	(4.6%)	6,686
2017	14,166	(273)	(1,418)	-	(1,691)	(11.9%)	12,475
2018	23,425	(976)	166	-	(810)	(3.5%)	22,615
2019	47,404	(674)	(533)	-	(1,207)	(2.5%)	46,197
2020	60,847	(2,317)	947	-	(1,370)	(2.3%)	59,477
2021	10,915	4,990	406	-	5,396	49.4%	16,311
Grand Total	172,925	371	(1,037)	-	(666)	(0.4%)	172,259



EXHIBIT G

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

RSP Alberta 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
2005	(26)	1	(1)	-	-	-	(26)
2006	(129)	3	(3)	-	-	-	(129)
2007	83	(2)	54	-	52	62.7%	135
2008	(9)	-	-	-	-	-	(9)
2009	25	(1)	2	-	1	4.0%	26
2010	20	-	(489)	-	(489)	(2,445.0%)	(469)
2011	(58)	1	(258)	-	(257)	443.1%	(315)
2012	294	(6)	6	-	-	-	294
2013	133	(3)	321	-	318	239.1%	451
2014	1,311	(26)	197	-	171	13.0%	1,482
2015	3,996	(80)	(139)	-	(219)	(5.5%)	3,777
2016	5,045	(101)	(201)	-	(302)	(6.0%)	4,743
2017	11,060	(221)	(1,385)	-	(1,606)	(14.5%)	9,454
2018	17,214	(895)	193	-	(702)	(4.1%)	16,512
2019	37,593	(526)	(579)	-	(1,105)	(2.9%)	36,488
2020	49,874	(1,746)	632	-	(1,114)	(2.2%)	48,760
2021	9,486	3,787	494	-	4,281	45.1%	13,767
Grand Total	135,834	187	(1,158)	-	(971)	(0.7%)	134,863