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TO: MEMBERS OF THE FACILITY ASSOCIATION

ATTENTION: CHIEF EXECUTIVE OFFICER

ALBERTA RISK SHARING POOL PROJECT MANAGER

BULLETIN NO.: F17 – 075

DATE: SEPTEMBER 29, 2017

SUBJECT: ALBERTA RISK SHARING POOLS

- AUGUST 2017 OPERATIONAL REPORT

A copy of this bulletin should be provided to your Chief Financial Officer and Appointed Actuary.

Please be advised that the August 2017 Alberta Risk Sharing Pools Operational Reports are now available on the Facility Association (FA) Portal at https://portal.facilityassociation.com.

New This Month

Valuation

Valuations of the Alberta Grid Risk Sharing Pool ("RSP") and Non-Grid RSP as at June 30, 2017 have been completed since last month's Operational Reports and the results of these valuations have been incorporated into this month's Operational Reports. The valuations were completed by the Facility Association's internal staff in conjunction with, and reviewed and approved by, the Appointed Actuary.

For the Alberta Grid RSP, the implementation of the new valuation resulted in an estimated overall \$8.3 million unfavourable impact on the month's net result from operations, adding an estimated 8.6 points to the year-to-date Combined Operating Ratio (ending at 147.5%). The impact is summarized in the tables at the top of the next page ¹.

¹In the tables, "ults & payout patterns" refers to the impacts associated with changes in selected ultimates and updated cashflows of claims payments; "dsct rate" refers to the impact of changes in the selected discount rate applied to projected cashflows; and "apv adj." refers to "actuarial present value adjustments".

AB Grid		unfav /	(fav) for t	he month a	nd ytd		ytd EP	97,121	(actual)			
		IMPA	CT in \$000s	from chang	es in:		IMPACT unfav / (fav) as % ytd EP from changes in:					
	ults &	payout pat	terns	dsct rate	margins		ults & payout patterns dsct rate ma					
	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL
	[1]	[2]	[3]	[4]	[5]	[6]	[1]	[2]	[3]	[4]	[5]	[6]
PAYs	3,979	338	4,317	(1,528)	(941)	1,848	4.1%	0.3%	4.4%	(1.6%)	(1.0%)	1.9%
CAY	3,647	275	3,922	(428)	-	3,494	3.8%	0.3%	4.0%	(0.4%)	-	3.6%
Prem Def	3,078	301	3,379	(413)	-	2,966	3.2%	0.3%	3.5%	(0.4%)	-	3.1%
TOTAL	10,704	914	11,618	(2,369)	(941)	8,308	11.0%	0.9%	12.0%	(2.4%)	(1.0%)	8.6%

The valuation result is due to changes generated from updated nominal ultimate selections and projected cash flows (generating an <u>unfavourable</u> impact of \$11.6 million – see column [3] in the left table above), partially offset by the impact due to a 21 basis point <u>in</u>crease in the selected discount rate (from 0.98% to 1.19%, generating a \$2.4 million favourable impact – see column [4] in the left table above). Further, while there was no change in the margin for adverse deviation in investment yield (remains at 25 basis points), the margins for adverse deviation for claims development as selected at the coverage / accident year level were updated with this valuation (generating a \$0.9 million favourable impact – see column [5] in the left table above).

Management has observed <u>unfavourable</u> total valuation impacts over the last 8 valuation implementations for the Alberta Grid RSP, with no valuation implementations being favourable over that period, as shown in the table below (summarizing the same information as provided in the left table above as relates to the most recent 8 valuation implementations). It should be noted that the impacts in column [4] are largely outside of the control of FA (as being related to macroeconomic factors).

as at: 2017 Q2		<u>un</u> favoural	ole / (favourable)	Valuation Impler	mentation Im	pact (\$000s)	\$000s	
Valuation	updated LRs & exp	updated LRs & exp	APVs @ prior assumptions	updated dsct rate	updated margins	Total Impact	Booked Policy Liabilities	Total Impact as % Book Liabs
	[1]	[2]	[3]	[4]	[5]	[6] =sum([1] to [6])	[7]	[8] =[6] / [7]
2015 Q3	Oct	3,402	315	1,683	-	5,400	333,060	1.6%
2015 Q4	Mar	20,151	2,474	524	-	23,149	328,237	7.1%
2016 Q1	May	17,793	1,778	509	-	20,080	349,340	5.7%
2016 Q2	Aug	11,942	1,410	556	(820)	13,088	372,965	3.5%
2016 Q3	Oct	4,867	406	603	-	5,876	384,652	1.5%
2016 Q4	Mar	19,370	2,700	(5,507)	-	16,563	383,713	4.3%
2017 Q1	May	7,217	455	934	-	8,606	395,177	2.2%
2017 Q2	Aug	10,704	914	(2,369)	(941)	8,308	410,268	2.0%
8-qtrs		95,446	10,452	(3,067)	(1,761)	101,070		
% of total		94.4%	10.3%	(3.0%)	(1.7%)	100.0%		
Averages								
8-qtrs		11,931	1,307	(383)	(220)	12,634	369,677	3.4%
2015 Q3 to 2016 Q2		13,322	1,494	818	(205)	15,429	345,901	4.5%
2016 Q3 to 2017 Q2		10,540	1,119	(1,585)	(235)	9,838	393,453	2.5%

The FA valuation approach is focused on providing best estimates on a nominal basis, and we expect this to manifest itself as a close-to-zero 8-quarter impact for column [2] in the table above. This objective has not been met, and we are somewhat discouraged that the average

impact over the most recent 4 valuations has been little different from the earlier 4 valuations shown.

For the **Alberta Non-Grid RSP**, the implementation of the new valuation resulted in an estimated overall \$5.9 million unfavourable impact on the month's net result from operations, adding an estimated 9.1 points to the year-to-date Combined Operating Ratio (ending at 152.7%). The impact is summarized in the tables immediately below.

AB Non-Grid		unfav ,	(fav) for t	he month a	nd ytd		ytd EP	64,739	(actual)			
		IMPA	CT in \$000s	from chang	es in:		IMPACT unfav / (fav) as % ytd EP from changes in:					
	ults &	payout pat	terns	dsct rate	margins		ults & payout patterns dsct rate man					
	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL
	[1]	[2]	[3]	[4]	[5]	[6]	[1]	[2]	[3]	[4]	[5]	[6]
PAYs	2,848	366	3,214	(856)	(550)	1,808	4.4%	0.6%	5.0%	(1.3%)	(0.8%)	2.8%
CAY	2,285	126	2,411	(285)	-	2,126	3.5%	0.2%	3.7%	(0.4%)	-	3.3%
Prem Def	1,967	195	2,162	(235)	-	1,927	3.0%	0.3%	3.3%	(0.4%)	-	3.0%
TOTAL	7,100	687	7,787	(1,376)	(550)	5,861	11.0%	1.1%	12.0%	(2.1%)	(0.8%)	9.1%

The valuation result is due to changes generated from updated nominal ultimate selections and projected cash flows (generating an <u>unfavourable</u> impact of \$7.8 million – see column [3] in the left table above), partially offset by the impact due to a 21 basis point <u>increase</u> in the selected discount rate (from 0.99% to 1.20%, generating a \$1.4 million favourable impact – see column [4] in the left table above). Further, while there was no change in the margin for adverse deviation in investment yield (remains at 25 basis points), the margins for adverse deviation for claims development as selected at the coverage / accident year level were updated with this valuation (generating a \$0.6 million favourable impact – see column [5] in the left table above).

The valuation implementations related to the last 8 quarterly valuations are summarized in the table at the top of the next page. There have been only two favourable implementations over the period, while the overall impact has been <u>unfavourable</u>, with each of the last 6 valuations being <u>unfavourable</u>. Nominal estimate updates (column [2]) drive the overall impacts. As previously noted, the impacts in column [4] are largely outside of the control of FA (as being related to macroeconomic factors).

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RSP: Alberta I as at: 2017 Q2	•	<u>un</u> favourab	le / (favourable)	Valuation Impler	nentation Imp	pact (\$000s)	\$000s	
Valuation	updated LRs & exp	updated LRs & exp	APVs @ prior assumptions	updated dsct rate	updated margins	Total Impact	Booked Policy Liabilities	Total Impact as % Book Liabs
	[1]	[2]	[3]	[4]	[5]	[6] =sum([1] to [6])	[7]	[8] =[6] / [7]
2015 Q3	Oct	(2,686)	(124)	1,175	-	(1,635)	222,481	(0.7%)
2015 Q4	Mar	(980)	248	306	-	(426)	212,621	(0.2%)
2016 Q1	May	800	(49)	304	-	1,055	218,423	0.5%
2016 Q2	Aug	10,902	1,022	395	(493)	11,826	235,294	5.0%
2016 Q3	Oct	7,041	888	452	-	8,381	245,539	3.4%
2016 Q4	Mar	3,188	682	(3,361)	-	509	234,950	0.2%
2017 Q1	May	5,516	280	645	-	6,441	242,689	2.7%
2017 Q2	Aug	7,100	687	(1,376)	(550)	5,861	251,367	2.3%
8-qtrs	-	30,881	3,634	(1,460)	(1,043)	32,012		
% of total		96.5%	11.4%	(4.6%)	(3.3%)	100.0%		
Averages								
8-qtrs		3,860	454	(183)	(130)	4,002	232,921	1.7%
2015 Q3 to 2016 Q2		2,009	274	545	(123)	2,705	222,205	1.2%
2016 Q3 to 2017 Q2		5,711	634	(910)	(138)	5,298	243,636	2.2%

As previously noted, the FA valuation approach is focused on providing best estimates on a nominal basis, and we expect this to manifest itself as a close-to-zero 8-quarter impact for column [2] in the table above. This objective has not been met, and we are somewhat discouraged that the average impact over the most recent 4 valuations has been higher than the earlier 4 valuations shown, and that all of the most recent 6 valuations have shown <u>unfavourable</u> impacts in column [2].

Please see "Effect of Quarterly Valuation" sections for additional detail (page 7 for Grid and page 11 for Non-Grid)

Alberta Grid RSP - Summary of Financial Results

The calendar year-to-date Operating Result is -\$46.1 million and the incurred loss ratio to the end of 8 months is 108.1%, as summarized in the table at the top of the next page.

	August	August	Year to date	Year to Date
Amounts in \$000s	2017	2016	Aug 2017	Aug 2016
Premium Written	16,796	14,580	97,954	94,887
Premium Earned	12,826	11,290	97,121	84,271
Incurred Losses	16,429	19,476	104,983	111,127
Underwriting & Admin Expense	7,594	6,539	38,254	35,410
Operating Result	(11,197)	(14,725)	(46,116)	(62,266)
Ratios:				
Loss ratio - Prior Accident Years	9.4%	64.8%	11.1%	44.0%
- Current Accident Year	118.7%	107.7%	97.0%	87.9%
Total	128.1%	172.5%	108.1%	131.9%
Underwriting & Admin Expense	59.2%	57.9%	39.4%	42.0%
Combined Operating Ratio	187.3%	230.4%	147.5%	173.9%

rounding differences may occur

These results are discussed in some detail in the "Current Month Results" section. For additional numeric detail, please refer to Exhibit 1 "Summary of Operations for Calendar Year 2017 for Risk Sharing Pool - Alberta Grid" attached to this bulletin.

Updated Projection to Year-end 2017

The projected calendar year Operating Result to December 2017 is -\$59.3 million and the estimated combined operating ratio to December 2017 is 139.5%, as summarized in the table below.

AB Grid RSP Yr-end Projection Amounts in \$000s	Current (Aug 2017)	Prior Mth (Jul 2017)	Change	Final 2017 Outlook*
Premium Written	162,164	146,773	15,391	178,561
Premium Earned	150,412	148,547	1,865	179,590
Incurred Losses	153,038	143,960	9,078	149,213
Underwriting & Admin Expense	56,662	49,683	6,979	54,575
Net Result from Operations	(59,288)	(45,096)	(14,192)	(24,198)
Ratios:				
Loss ratio - Prior Accident Years	5.8%	4.7%	1.1%	(3.9%)
- Current Accident Year	96.0%	92.2%	3.8%	87.0%
Total	101.8%	96.9%	4.9%	83.1%
Underwriting & Admin Expense	37.7%	33.4%	4.3%	30.4%
Combined Operating Ratio	139.5%	130.3%	9.2%	113.5%

rounding differences may occur

as posted to FA's website Sep. 28, 2016

This updated projection to the end of the year has deteriorated by \$14.2 million from the projection provided last month (see table at the bottom of the previous page), mainly due to the overall <u>unfavourable</u> impact of the valuation as at June 30, 2017, as summarized in the table below (see more information under "Effect of Quarterly Valuation" on page 7). Remaining differences were driven by changes in projected premium volumes, and the associated impacts on claims and expense projections. In particular, the written premium projection has been increased by \$15.4 million, based on updated projections from various member company groups. As this RSP operates at a loss (approximately 34 cents on the dollar), increases in premium written increase the projected operating deficit, resulting in an <u>unfavourable</u> outcome, which, in this case, augments the <u>unfavourable</u> valuation implementation impact. Variances in written/earned premium and prior accident year and current & future accident year loss ratio change impacts (driven by valuation results) are the main drivers of variances from the Final 2017 Outlook (which was based on actuals up to the August 2016 Operational Report).

AB Grid		unfav ,	/ (fav) proj	ected for fu	II year		year EP	150,412	(projecte	d this mont	h)	
		IMPA	CT in \$000s	from chang	ges in:		IMPACT unfav / (fav) as % full year EP from changes in:					
	ults &	payout pat	terns	dsct rate	margins		ults 8	payout pa	tterns	dsct rate	margins	
	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL
	[1]	[2]	[3]	[4]	[5]	[6]	[1]	[2]	[3]	[4]	[5]	[6]
PAYs	3,979	292	4,271	(1,365)	(850)	2,056	2.6%	0.2%	2.8%	(0.9%)	(0.6%)	1.4%
CAY	5,618	488	6,106	(599)	-	5,507	3.7%	0.3%	4.1%	(0.4%)	-	3.7%
Prem Def	3,521	345	3,866	(465)	-	3,401	2.3%	0.2%	2.6%	(0.3%)	-	2.3%
TOTAL	13,118	1,125	14,243	(2,429)	(850)	10,964	8.7%	0.7%	9.5%	(1.6%)	(0.6%)	7.3%

Current Month Results

The Alberta Grid Risk Sharing Pool produced a -\$11.2 million Operating Result in the month of August 2017, an improvement of \$3.5 million compared with the same month last year. This improvement is composed of a \$5.5 million improvement stemming from the overall decrease in the combined ratio (from 230.4% to 187.3% applied to \$12.8 million in earned premium), offset by an estimated \$2.0 million unfavourable impact associated with the \$1.5 million increase in earned premium (at a combined ratio of 230.4%). The primary driver of the difference in combined ratios is the difference in the respective valuation implementation impacts.

This month's results moved the year-to-date combined operating ratio from 141.5% at the end of 7 months to 147.5% at the end of 8 months. The 6.0 percentage point increase is composed of a 3.3 percentage point increase in the Current Accident Year loss ratio and a 3.0 percentage point increase in the expense ratio, offset by a 0.3 percentage point decrease in the Prior Accident Years loss ratio.

Variances from Projections

The table at the top of the next page provides a summary of key components of the operating results compared to the estimates projected last month.

August 2017	Actual	Projection	Difference	Difference %
Written Premium	16,796	15,360	1,436	9.3%
Earned Premium	12,826	12,831	(5)	0.0%
Reported Losses				
Paid Losses	11,153	8,139	3,014	37.0%
Paid Expenses	362	350	12	3.4%
Change in Outstanding Losses	251	3,262	(3,011)	(92.3%)
Total Reported Losses	11,766	11,751	15	0.1%
Change in IBNR Provision*	4,663	(410)	5,073	
Change in Premium Deficiency (DPAC)*	2,661	(207)	2,868	

(Amounts in \$000's) rounding differences may occur

Each month, management reviews the variance between reported premium activity and claims activity (actual reported claims payments and changes in case reserves) and the associated actuarial projections. The projection process involves many assumptions including claims reporting patterns. Actual reporting patterns vary from month-to-month, sometimes considerably. Although variances from our projections are expected, management investigates variances beyond set thresholds and responds as appropriate.

For the month of August 2017, reported losses were \$14 thousand higher than projected. The Current Accident Year reported an <u>unfavourable</u> variance of \$1.4 million, and the Prior Accident Years reported a favourable variance of \$1.4 million. No single Prior Accident Year had a variance in excess of \$1.0 million.

Effect of Quarterly Valuation

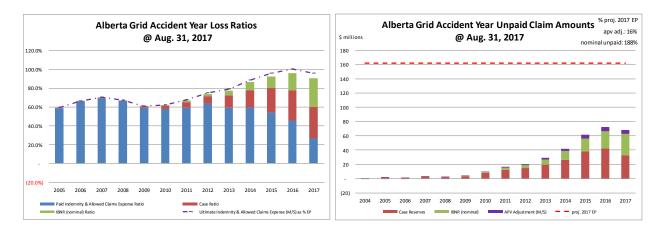
The August 2017 Alberta Grid Risk Sharing Pool Operational Report reflects the results of an updated valuation as at June 30, 2017, with the associated impacts in relation to the results for August 2017 summarized in the table immediately below.

AB Grid		unfav ,	/ <mark>(fav)</mark> for tl	he month a	nd ytd		mth EP	12,826	(actual)			
		IMPA	CT in \$000s	from chang	es in:		IMPACT unfav / (fav) as % mth EP from changes in:					
	ults &	payout pat	terns	dsct rate	margins		ults & payout patterns dsct i				margins	
	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL
	[1]	[2]	[3]	[4]	[5]	[6]	[1]	[2]	[3]	[4]	[5]	[6]
PAYs	3,979	338	4,317	(1,528)	(941)	1,848	31.0%	2.6%	33.7%	(11.9%)	(7.3%)	14.4%
CAY	3,647	275	3,922	(428)	-	3,494	28.4%	2.1%	30.6%	(3.3%)	-	27.2%
Prem Def	3,078	301	3,379	(413)	-	2,966	24.0%	2.3%	26.3%	(3.2%)	-	23.1%
TOTAL	10,704	914	11,618	(2,369)	(941)	8,308	83.5%	7.1%	90.6%	(18.5%)	(7.3%)	64.8%

The charts at the top of the next page summarize the current view of the historical loss ratios (indemnity and allowed claims adjustment expenses on a nominal basis) and the associated claims liabilities. We have included the associated claims liabilities in the chart on the right.

^{*}Detailed information is included in Alberta Grid RSP August 2017 Operational Report - Actuarial Highlights.

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The preceding charts, latest valuation results, and related actuarial present value assumptions are discussed in more detail in the <u>Alberta Grid RSP August 2017 Operational Report - Actuarial Highlights</u> and in the <u>Actuarial Quarterly Valuation Highlights Risk Sharing Pools as at June 30, 2017</u>. The actuarial valuation will be updated next as at September 30, 2017 and we anticipate that the results will be reflected in the October 2017 Operational Report.

<u>Alberta Non-Grid RSP</u> - Summary of Financial Results

The calendar year-to-date Operating Result is -\$34.1 million and the incurred loss ratio to the end of 8 months is 114.2%, as summarized in the table immediately below.

	August	August	Year to date	Year to Date
Amounts in \$000s	2017	2016	Aug 2017	Aug 2016
Premium Written	7,704	7,968	65,289	68,867
Premium Earned	8,186	7,793	64,739	58,587
Incurred Losses	12,732	14,855	73,925	63,880
Underwriting & Admin Expense	4,125	6,908	24,902	26,224
Operating Result	(8,671)	(13,970)	(34,088)	(31,517)
Ratios:				
Loss ratio - Prior Accident Years	18.9%	9.6%	(2.1%)	(3.1%)
- Current Accident Year	136.7%	181.1%	116.3%	112.2%
Total	155.6%	190.7%	114.2%	109.1%
Underwriting & Admin Expense	50.4%	88.6%	38.5%	44.8%
Combined Operating Ratio	206.0%	279.3%	152.7%	153.9%

rounding differences may occur

These results are discussed in some detail in the "Current Month Results" section. For additional numeric details, please refer to Exhibit 2 "Summary of Operations for Calendar Year 2017 for Risk Sharing Pool - Alberta Non-Grid" attached to this bulletin.

Updated Projection to Year-end 2017

The projected calendar year Operating Result to December 2017 is -\$45.6 million and the estimated combined operating ratio to December 2017 is 147.3%, as summarized in the table below.

AB Non-Grid RSP Yr-end Projection Amounts in \$000s	Current (Aug 2017)	Prior Mth (Jul 2017)	Change	Final 2017 Outlook*
	<u> </u>		<u> </u>	
Premium Written	94,647	100,076	(5,429)	96,290
Premium Earned	96,253	98,158	(1,905)	97,853
Incurred Losses	108,404	105,785	2,619	100,943
Underwriting & Admin Expense	33,418	33,360	59	29,058
Net Result from Operations	(45,569)	(40,987)		(32,148)
Ratios:				
Loss ratio - Prior Accident Years	(2.8%)	(4.4%)	1.6%	(4.5%)
- Current Accident Year	115.4%	112.2%	3.2%	107.7%
Total	112.6%	107.8%	4.8%	103.2%
Underwriting & Admin Expense	34.7%	34.0%	0.7%	29.7%
Combined Operating Ratio	147.3%	141.8%	5.5%	132.9%

rounding differences may occur

as posted to FA's website Sep. 28, 2016

This updated projection to the end of the year has deteriorated by \$4.6 million from the projection provided last month (see table above), mainly due to the overall <u>unfavourable</u> impact of the valuation as at June 30, 2017, as summarized in the table below (see more information under "Effect of Quarterly Valuation" on page 11). Remaining differences were driven by changes in projected premium volumes, and the associated impacts on claims and expense projections. In particular, projected written premium has decreased by \$5.4 million, and, as this RSP operates at a loss (approximately 50 cents on the dollar), the reduced premium projection has a favourable impact on the projected operating result, partially offsetting the <u>unfavourable</u> valuation implementation impact. Variances in prior accident year and current & future accident year loss ratio change impacts (driven by valuation results) are the main drivers of variances from the Final 2017 Outlook (which was based on actuals up to the August 2016 Operational Report).

AB Non-Grid		unfav /	<mark>/ (fav)</mark> proje	ected for fu	ll year		year EP	96,253	(projecte	d this mont	h)	
		IMPA	CT in \$000s	from chang	es in:		IMPACT unfav / (fav) as % full year EP from changes in:					
	ults &	payout pat	terns	dsct rate	margins		ults & payout patterns dsct rate margins					
	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL
	[1]	[2]	[3]	[4]	[5]	[6]	[1]	[2]	[3]	[4]	[5]	[6]
PAYs	2,848	315	3,163	(761)	(492)	1,910	3.0%	0.3%	3.3%	(0.8%)	(0.5%)	2.0%
CAY	3,387	244	3,631	(381)	-	3,250	3.5%	0.3%	3.8%	(0.4%)	-	3.4%
Prem Def	2,178	206	2,384	(224)	-	2,160	2.3%	0.2%	2.5%	(0.2%)	-	2.2%
TOTAL	8,413	765	9,178	(1,366)	(492)	7,320	8.7%	0.8%	9.5%	(1.4%)	(0.5%)	7.6%

Current month results

The Alberta Non-Grid Risk Sharing Pool produced a -\$8.7 million Operating Result in the month of August 2017, an improvement of \$5.3 million from the same month last year. This improvement is composed of an estimated \$0.7 million unfavourable impact associated with the \$0.4 million increase in earned premium (at a combined ratio of 279.3%), offset by a \$6.0 million improvement stemming from the overall decrease in the combined ratio (from 279.3% to 206.0% applied to \$8.2 million in earned premium). The primary driver of the difference in combined ratios is the difference in the respective valuation implementation impacts.

This month's results moved the year-to-date combined operating ratio from 144.9% at the end of 7 months to 152.7% at the end of 8 months. The 7.8 percentage point increase is composed of a 3.0 percentage point increase in the Prior Accident Years loss ratio, coupled with a 3.0 percentage point increase in the Current Accident Year loss ratio, and a 1.8 percentage point increase in the expense ratio.

Variances from Projections

The table immediately below provides a summary of key components of the operating results as compared to the estimates projected last month.

August 2017	Actual	Projection	Difference	Difference %
Written Premium	7,704	9,293	(1,589)	(17.1%)
Earned Premium	8,186	8,314	(128)	(1.5%)
Reported Losses				
Paid Losses	7,549	6,764	785	11.6%
Paid Expenses	260	206	54	26.2%
Change in Outstanding Losses	2,955	2,602	353	13.6%
Total Reported Losses	10,764	9,572	1,192	12.5%
Change in IBNR Provision*	1,968	(569)	2,537	
Change in Premium Deficiency (DPAC)*	1,820	100	1,720	

(Amounts in \$000's) rounding differences may occur

As discussed in relation to the Alberta Grid RSP, each month management reviews the variance between reported premium activity and claims activity (actual reported claims payments and changes in case reserves) and the associated actuarial projections. The projection process involves many assumptions including claims reporting patterns. Actual reporting patterns vary from month-to-month, sometimes considerably. Although variances from our projections are expected, management investigates variances beyond set thresholds and responds as appropriate.

^{*}Detailed information is included in <u>Alberta Non-Grid RSP August 2017 Operational Report - Actuarial Highlights.</u>

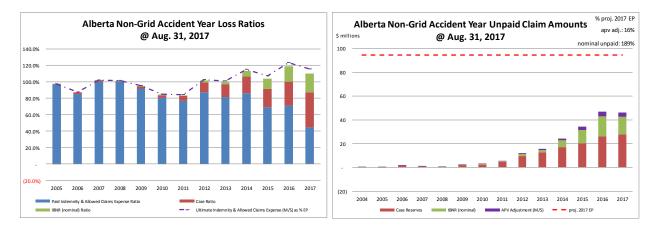
For the month of August 2017, reported losses were \$1.2 million higher than projected. The Current Accident Year had a \$1.4 million unfavourable variance in reported losses, while the Prior Accident Years had a \$0.2 million favourable variance. No single Prior Accident Year had a reported loss variance in excess of \$1.0 million.

Effect of Quarterly Valuation

The August 2017 Alberta Non-Grid Risk Sharing Pool Operational Report reflects the results of an updated valuation as at June 30, 2017, with the associated impacts in relation to the results for August 2017 summarized in the tables immediately below.

	unfav ,	(fav) for t	he month a	nd ytd	mth EP	8,186	(actual)				
	IMPA	CT in \$000s	from chang	es in:	IM	PACT unfav	/ (fav) as %	6 mth EP fro	m changes	in:	
ults & payout patterns dsct rate margins						ults 8	k payout pa	tterns	dsct rate	margins	
Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL
[1]	[2]	[3]	[4]	[5]	[6]	[1]	[2]	[3]	[4]	[5]	[6]
2,848	366	3,214	(856)	(550)	1,808	34.8%	4.5%	39.3%	(10.5%)	(6.7%)	22.1%
2,285	126	2,411	(285)	-	2,126	27.9%	1.5%	29.5%	(3.5%)	-	26.0%
1,967	195	2,162	(235)	-	1,927	24.0%	2.4%	26.4%	(2.9%)	-	23.5%
7,100	687	7,787	(1,376)	(550)	5,861	86.7%	8.4%	95.1%	(16.8%)	(6.7%)	71.6%
	Nominal [1] 2,848 2,285 1,967	IMPA ults & payout pat Nominal apv adj. [1] [2] 2,848 366 2,285 126 1,967 195	IMPACT in \$000s ults & payout patterns Nominal apv adj. sub-tot [1] [2] [3] 2,848 366 3,214 2,285 126 2,411 1,967 195 2,162	IMPACT in \$000s from chang ults & payout patterns dsct rate Nominal apv adj. sub-tot apv adj. [1] [2] [3] [4] 2,848 366 3,214 (856) 2,285 126 2,411 (285) 1,967 195 2,162 (235)	Nominal apv adj. sub-tot apv adj. apv adj. [1] [2] [3] [4] [5] 2,848 366 3,214 (856) (550) 2,285 126 2,411 (285) - 1,967 195 2,162 (235) -	IMPACT in \$000s from changes in: ults & payout patterns dsct rate margins	IMPACT in \$000s from changes in:	IMPACT in \$000s from changes in:	IMPACT in \$000s from changes in: IMPACT unfav / (fav) as \$\frac{9}{2}\$ ults & payout patterns dsct rate margins ults & payout patterns Nominal apv adj. sub-tot apv adj. apv adj. TOTAL Nominal apv adj. sub-tot [1] [2] [3] [4] [5] [6] [1] [2] [3] 2,848 366 3,214 (856) (550) 1,808 34.8% 4.5% 39.3% 2,285 126 2,411 (285) - 2,126 27.9% 1.5% 29.5% 1,967 195 2,162 (235) - 1,927 24.0% 2.4% 26.4%	IMPACT in \$000s from changes in: Ults & payout patterns dsct rate margins ults & payout patterns dsct rate margins Nominal apv adj. sub-tot apv adj. TOTAL Nominal apv adj. sub-tot apv adj. [1] [2] [3] [4] [5] [6] [1] [2] [3] [4] [2] [3] [4] [2] [3] [4] [4] [2] [3] [4]	IMPACT in \$000s from changes in: Ults & payout patterns dsct rate margins lt lt lt lt lt lt lt l

The charts below summarize the current view of the historical loss ratios (indemnity and allowed claims adjustment expenses on a nominal basis) and the associated claims liabilities. We have included the associated claims liabilities in the chart on the right.



The preceding charts, latest valuation results and related discounting assumptions are discussed in more detail in the <u>Alberta Non-Grid RSP August 2017 Operational Report - Actuarial Highlights</u> and in the <u>Actuarial Quarterly Valuation Highlights Risk Sharing Pools as at June 30, 2017</u>. The actuarial valuation will be updated next as at September 30, 2017 and we anticipate that the results will be reflected in the October 2017 Operational Report.

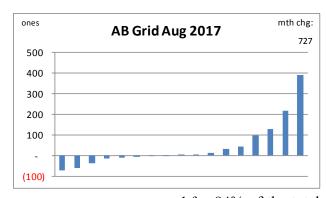
Management Comments

Alberta Grid



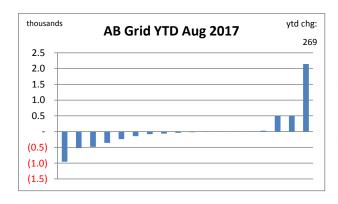
The chart on the left shows the year-on-year change in the vehicles transferred to the Alberta Grid pool by month, with August showing an <u>increase</u> of 727 vehicles. Our projection last month (in part based on previous projections provided by select member company groups) was for a <u>decrease</u> of 6 vehicles, indicating a variance of 733 vehicles from the actual transfers. This variance was mainly due to one member company group transferring a greater number of vehicles to the pool in August than

projected.



The chart on the left shows the overall change in the **month**, broken down by member company group changes (each blue bar represents the change for a single member company group), sorted by magnitude of change. Eight member company groups transferred fewer vehicles to the pool this month compared with a year ago, while nine transferred more. Of the 8 member company groups transferring fewer vehicles, 3 member

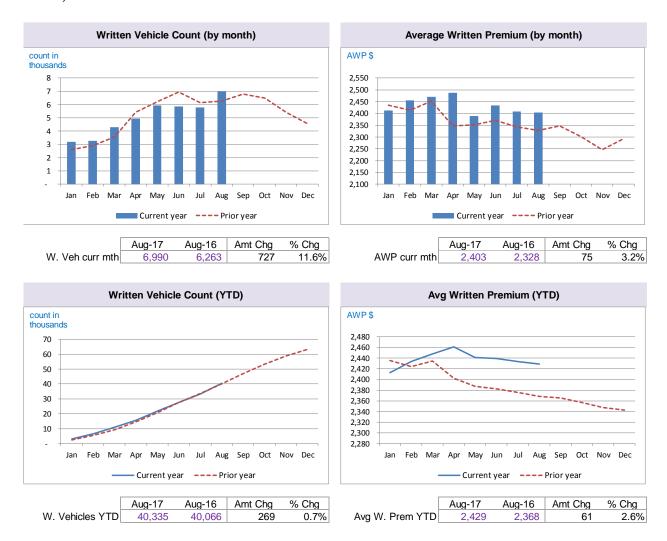
company groups accounted for 84% of the total transfer decrease for these "decliner" members. Of the 9 member company groups transferring more vehicles, 2 member company groups accounted for 65% of the total transfer increases for these "grower" members.



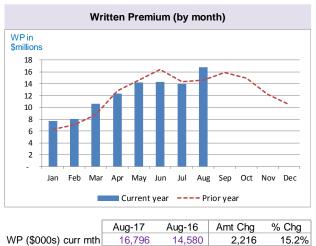
The chart on the left presents the same information as the previous chart, but on a **year-to-date** basis. That is, it shows the overall change in transfer counts year-to-date, broken down by member company group changes (each blue bar represents the change for a single member company group), sorted by magnitude of change.

August's vehicle count transfers to the pool represent an 11.6% <u>in</u>crease from August 2016, and counts were up 0.7% year-to-date. Average written premium was up 3.2% in August 2017

compared with the same month in 2016, and up 2.6% year-to-date (see charts immediately below).



As a result of the movements in transfer vehicle counts and average written premium, the transferred premium was up 15.2% for the month compared with the 5.4% <u>in</u>crease we projected last month, and was up 3.2% year-to-date (see charts at the top of the next page).





 Aug-17
 Aug-16
 Amt Chg
 % Chg

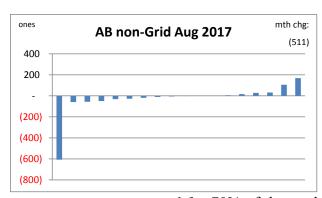
 WP (\$000s) YTD
 97,954
 94,887
 3,067
 3.2%

Alberta Non-Grid



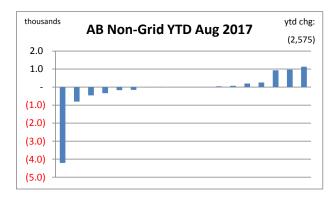
The chart on the left shows the year-on-year change in the vehicles transferred to the Alberta Non-Grid pool by month, with August showing a decrease of 511 vehicles. Our projection last month (in part based on previous projections provided by select large pool participants) was for an increase of 611 vehicles, indicating a variance of 1,122 vehicles from the actual transfers. This variance was mainly due to two member company groups transferring a lower number of vehicles to the pool in August than

projected.



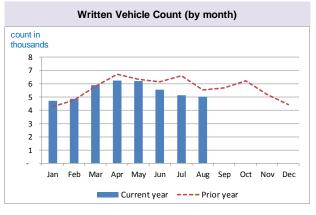
The chart on the left shows the overall change in the **month**, broken down by member company group changes (each blue bar represents the change for a single member company group), sorted by magnitude of change. Ten member company groups transferred fewer vehicles to the pool this month compared to a year ago, while eight transferred more. Of the 10 member company groups transferring fewer vehicles, 1 member

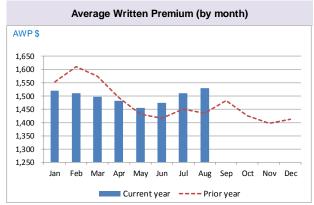
company group accounted for 70% of the total transfer decrease for these "decliner" members. Of the 8 member company groups transferring more vehicles, 2 member company groups accounted for 77% of the total transfers increase for these "grower" members.



The chart on the left presents the same information as the previous chart, but on a **year-to-date** basis. That is, it shows the overall change in transfer counts year-to-date, broken down by member company group changes (each blue bar represents the change for a single member company group), sorted by magnitude of change.

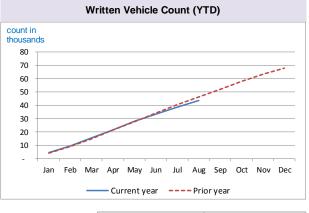
August's vehicle count transfers to the pool represent a 9.2% decrease from August 2016, and counts were down 5.6% year-to-date. Average written premium was up 6.5% in August 2017 compared with the same month in 2016, and up 0.4% year-to-date (see charts immediately below).

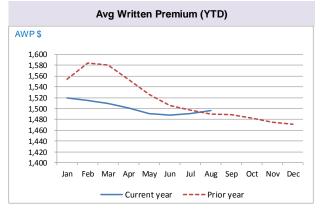




	Aug-17	Aug-16	Amt Chg	% Chg
W. Veh curr mth	5,036	5,547	(511)	-9.2%







	Aug-17	Aug-16	Amt Chg	% Chg
W. Vehicles YTD	43.656	46.231	(2.575)	-5.6%

	Aug-17	Aug-16	Amt Chg	% Chg
Avg W. Prem YTD	1,496	1,490	6	0.4%

As a result of the movements in transfer vehicle counts and average written premium, the transferred premium was down 3.3% for the month compared with the 16.6% <u>in</u>crease we projected last month, and was down 5.2% year-to-date (see charts immediately below).



Should you require any further information, please call Norm Seeney, Vice President, Finance and Member Services at (416) 644-4914.

David J. Simpson, M.B.A., FCIP, C. Dir. President & CEO

Related Links:

Alberta Grid RSP:

Alberta Grid RSP August 2017 Operational Report - Actuarial Highlights

Actuarial Quarterly Valuation Highlights Risk Sharing Pools as at June 30, 2017

Actuarial Quarterly Valuation Highlights Exhibits - Alberta Grid RSP

Alberta Non-Grid RSP:

Alberta Non-Grid RSP August 2017 Operational Report - Actuarial Highlights

Actuarial Quarterly Valuation Highlights Risk Sharing Pools as at June 30, 2017

Actuarial Quarterly Valuation Highlights Exhibits - Alberta Non-Grid RSP

SUMMARY OF OPERATIONS - CALENDAR YEAR 2017

Risk Sharing Pool - Alberta (Grid)

Operating Results for the 8 Months Ended August 31, 2017 (Discounted basis)

Source: Monthly Operational Report

(thousands of dollars)

									CY2017	CY2017 12 MONTHS Updated	CY2016 12 MONTHS
	January	February	March	April	May	June	July	August	YTD	Projection	Actual
Underwriting Revenue:	•	•		•	•		•	J		-	
Net Premiums Written	\$7,717	\$8,020	\$10,642	\$12,325	\$14,222	\$14,275	\$13,957	\$16,796	\$97,954	\$162,164	\$148,473
Decrease (Increase) in Unearned Premiums	4,472	3,146	1,612	(298)	(1,967)	(2,465)	(1,363)	(3,970)	(833)	(11,752)	(16,653)
Net Premiums Earned	\$12,189	\$11,166	\$12,254	\$12,027	\$12,255	\$11,810	\$12,594	\$12,826	\$97,121	\$150,412	\$131,820
Claims Incurred:											
Prior Accident Years:											
Undiscounted	(\$396)	(\$174)	\$12,337	(\$124)	\$4,260	(\$98)	(\$40)	\$3,919	\$19,684	\$19,685	\$41,142
Effect of Discounting	(744)	(926)	(3,120)	(384)	251	(623)	(639)	(2,719)	(\$8,904)	(11,022)	(1,682)
Discounted	(\$1,140)	(\$1,100)	\$9,217	(\$508)	\$4,511	(\$721)	(\$679)	\$1,200	\$10,780	\$8,663	\$39,460
Current Accident Year:											
Undiscounted	\$9,865	\$8,860	\$12,016	\$10,242	\$11,874	\$10,309	\$10,931	\$14,800	\$88,897	\$136,957	\$110,558
Effect of Discounting	992	713	445	567	864	638	658	429	\$5,306	7,418	7,515
Discounted	\$10,857	\$9,573	\$12,461	\$10,809	\$12,738	\$10,947	\$11,589	\$15,229	\$94,203	\$144,375	\$118,073
Claims Incurred	\$9,717	\$8,473	\$21,678	\$10,301	\$17,249	\$10,226	\$10,910	\$16,429	\$104,983	\$153,038	\$157,533
Underwriting Expenses:											
Expense Allowance	\$2,215	\$2,312	\$3,069	\$3,557	\$4,103	\$4,121	\$4,031	\$4,852	\$28,260	\$46,817	\$44,732
Change in UPDR/DPAC:											
Undiscounted	979	697	4,930	25	1,197	(353)	(212)	2,510	9,773	8,564	689
Effect of Discounting	(318)	(224)	(561)	24	269	161	90	151	(408)	301	1,915
Discounted	661	473	4,369	49	1,466	(192)	(122)	2,661	\$9,365	8,865	\$2,604
Underwriting Expenses	\$2,876	\$2,785	\$7,438	\$3,606	\$5,569	\$3,929	\$3,909	\$7,513	\$37,625	55,682	\$47,336
Net Underwriting Gain (Loss)	(\$404)	(\$92)	(\$16,862)	(\$1,880)	(\$10,563)	(\$2,345)	(\$2,225)	(\$11,116)	(\$45,487)	(\$58,308)	(\$73,049)
Administrative Evnences	¢72	¢70	£70	602	604	¢σε	¢74	604	\$629	\$980	\$894
Administrative Expenses	\$73	\$79	\$70	\$83	\$94	\$75	\$74	\$81	\$629	\$900	, po94
Operating Result	(\$477)	(\$171)	(\$16,932)	(\$1,963)	(\$10,657)	(\$2,420)	(\$2,299)	(\$11,197)	(\$46,116)	(\$59,288)	(\$73,943)
Ratios:											
Claims & Expenses Incurred (Earned)											
Prior Accident Years	-9.4%	-9.9%	75.2%	-4.2%	36.8%	-6.1%	-5.4%	9.4%	11.1%	5.8%	29.9%
Current Accident Year	89.1%	85.7%	101.7%	89.9%	103.9%	92.7%	92.0%	118.7%	97.0%	96.0%	89.6%
All Accident Years Combined (Earned)	79.7%	75.8%	176.9%	85.7%	140.7%	86.6%	86.6%	128.1%	108.1%	101.8%	119.5%
Underwriting & Administrative Expenses (Earned)	24.2%	25.6%	61.3%	30.7%	46.2%	33.9%	31.6%	59.2%	39.4%	37.7%	36.6%
Combined Operating Ratio	103.9%	101.4%	238.2%	116.4%	186.9%	120.5%	118.2%	187.3%	147.5%	139.5%	156.1%

Note: Amounts shown above do not reflect costs incurred directly by member companies e.g. income and premium taxes, health levies, association dues, cost of capital as a result of their compulsory participation in Facility Association and investment income earned on Facility Association premium dollars invested directly by members.

Rounding difference may apply

EXHIBIT 1

SUMMARY OF OPERATIONS - CALENDAR YEAR 2017

Risk Sharing Pool - Alberta (Non-Grid)

Operating Results for the 8 Months Ended August 31, 2017 (Discounted basis)

Source: Monthly Operational Report

(thousands of dollars)

									CY2017	CY2017 12 MONTHS Updated	CY2016 12 MONTHS
	January	February	March	April	May	June	July	August	YTD	Projection	Actual
Underwriting Revenue:											
Net Premiums Written	\$7,162	\$7,368	\$8,817	\$9,262	\$9,048	\$8,190	\$7,738	\$7,704	\$65,289	\$94,647	\$99,667
Decrease (Increase) in Unearned Premiums	1,014	152	(499)	(1,191)	(721)	(295)	508	482	(550)	1,606	(9,196)
Net Premiums Earned	\$8,176	\$7,520	\$8,318	\$8,071	\$8,327	\$7,895	\$8,246	\$8,186	\$64,739	\$96,253	\$90,471
Claims Incurred:											
Prior Accident Years:											
Undiscounted	(\$209)	(\$89)	(\$538)	(\$42)	\$2,928	(\$72)	(\$30)	\$2,843	\$4,791	\$4,790	\$2,286
Effect of Discounting	(826)	(520)	(2,601)	(400)	126	(336)	(293)	(1,299)	(6,149)	(7,471)	(3,163)
Discounted	(\$1,035)	(\$609)	(\$3,139)	(\$442)	\$3,054	(\$408)	(\$323)	\$1,544	(\$1,358)	(\$2,681)	(\$877)
Current Accident Year:	, , ,				<u> </u>		<u> </u>		, , ,		
Undiscounted	\$8,220	\$7,472	\$9,476	\$8,375	\$9,927	\$8,466	\$8,799	\$11,000	\$71,735	\$106,364	\$102,363
Effect of Discounting	764	521	232	418	588	438	399	188	3,548	4,721	5,476
Discounted	\$8,984	\$7,993	\$9,708	\$8,793	\$10,515	\$8,904	\$9,198	\$11,188	\$75,283	\$111,085	\$107,839
Claims Incurred	\$7,949	\$7,384	\$6,569	\$8,351	\$13,569	\$8,496	\$8,875	\$12,732	\$73,925	\$108,404	\$106,962
Underwriting Expenses:											
Expense Allowance	\$2,066	\$2,129	\$2,546	\$2,675	\$2,613	\$2,365	\$2,235	\$2,226	\$18,855	\$27,341	\$30,016
Change in UPDR/DPAC:											
Undiscounted	15	10	2,424	109	1,363	(6)	(65)	1,900	5,750	5,644	1,003
Effect of Discounting	(83)	(11)	(390)	94	159	19	(40)	(80)	(332)	(484)	987
Discounted	(68)	(1)	2,034	203	1,522	13	(105)	1,820	5,418	5,160	\$1,990
Underwriting Expenses	\$1,998	\$2,128	\$4,580	\$2,878	\$4,135	\$2,378	\$2,130	\$4,046	\$24,273	\$32,501	\$32,006
Net Underwriting Gain (Loss)	(\$1,771)	(\$1,992)	(\$2,831)	(\$3,158)	(\$9,377)	(\$2,979)	(\$2,759)	(\$8,592)	(\$33,459)	(\$44,652)	(\$48,497)
Administrative Expenses	\$73	\$79	\$70	\$83	\$94	\$75	\$76	\$79	\$629	\$917	\$898
Operating Result	(\$1,844)	(\$2,071)	(\$2,901)	(\$3,241)	(\$9,471)	(\$3,054)	(\$2,835)	(\$8,671)	(\$34,088)	(\$45,569)	(\$49,395)
Operating Result	(\$1,044)	(\$2,071)	(\$2,901)	(\$3,241)	(\$9,471)	(\$3,054)	(\$2,035)	(\$0,071)	(\$34,000)	(\$45,569)	(\$49,393)
Ratios:											
Claims & Expenses Incurred (Earned)											
Prior Accident Years	-12.7%	-8.1%	-37.7%	-5.5%	36.7%	-5.2%	-3.9%	18.9%	-2.1%	-2.8%	-1.0%
Current Accident Year	109.9%	106.3%	116.7%	108.9%	126.3%	112.8%	111.5%	136.7%	116.3%	115.4%	119.2%
All Accident Years Combined	97.2%	98.2%	79.0%	103.4%	163.0%	107.6%	107.6%	155.6%	114.2%	112.6%	118.2%
Underwriting & Administrative Expenses (Earned)	25.3%	29.3%	55.9%	36.7%	50.8%	31.1%	26.8%	50.4%	38.5%	34.7%	36.4%
Combined Operating Ratio	122.5%	127.5%	134.9%	140.1%	213.8%	138.7%	134.4%	206.0%	152.7%	147.3%	154.6%

Note: Amounts shown above do not reflect costs incurred directly by member companies e.g. income and premium taxes, health levies, association dues, cost of capital as a result of their compulsory participation in Facility Association and investment income earned on Facility Association premium dollars invested directly by members.

Rounding difference may apply

EXHIBIT 2