

ONTARIO RISK SHARING POOL

JUNE 2020 OPERATIONAL REPORT

ACTUARIAL HIGHLIGHTS

Related Bulletin: F2020-052 Ontario RSP June 2020 Operational Report

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ACTUARIAL HIGHLIGHTS

RSP ONTARIO

OPERATIONAL REPORT JUNE 2020

TABLE OF CONTENTS

1	Sum	mary	2
		Valuation Schedule (Fiscal Year 2020)	
	1.2	Appointed Actuary and Hybrid Actuarial Services Model	
	1.3	Consideration of Recent Legal Decisions and Changes in Legislation / Regulation	3
	1.4	Harmonized Sales Tax Class Action - Ontario	3
	1.5	Current Provision Summary	4
2	Activ	vity During the Month of June 2020	5
_	2.1	Recorded Premium and Claims Activity	
		2.1.a Actual vs. Projected (AvsP): Earned Premium	5
		2.1.b AvsP: Recorded Indemnity & Allowed Claims Expense	
		2.1.c AvsP: Paid Indemnity & Allowed Claims Expense	9
	2.2	Actuarial Provisions	10
3	Ultir	mate Loss Ratio Matching Method	12
4	Cale	endar Year-to-Date Results	12
5	Curi	rent Operational Report – Additional Exhibits	13
6	EXH	HBITS	13



1 Summary

Key Points

- (a) The loss ratios currently being used include an initial assessment of the incurred impacts associated with the COVID-19 pandemic; and
- (b) June's claims activities were generally in line with what was projected last month.

1.1 Valuation Schedule (Fiscal Year 2020)

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

	ONTARIO RISK SHARING POOL FISCAL YEAR 2020 – SCHEDULE OF VALUATIONS						
Valuation Date	Discount Rate (per annum)	Operational Report	Description of Changes				
Sep. 30, 2019 (completed)	1.41% mfad 25 bp	1.41% Oct. 2019 updated valuation (roll forward):					
Dec. 31, 2019 (completed)	1.58% mfad 25 bp	Mar. 2020	update valuation: accident year 2019 loss ratio decreased 5.8 points to 116.5%; accident year 2020 loss ratio decreased 5.7 points to 119.5 %; discount rate increased 17 basis points; no change to selected margins for adverse deviations				
Mar. 31, 2020 (completed)	0.66% May. 2020 mfad 25 bp		update valuation (partial roll-forward): accident year 2020 loss ratio <u>de</u> creased 7.8 points to 111.7 %; discount rate <u>de</u> creased 92 basis points; no change to selected margins for adverse deviations				
Jun. 30, 2020	% mfad bp	Aug. 2020	update valuation				
Sep. 30, 2020	0, 2020 % mfad bp		update valuation (roll-forward)				

Under the proposed schedule for fiscal year 2020, the off-half valuation quarters ending March 31, 2020 and September 30, 2020 would not reflect a full valuation update of assumptions, but would rather roll-forward key assumptions from the previous valuation. However, with disruption in the insurance environment from the COVID-19 pandemic, the valuation quarter ending March 31, 2020 includes a partial update of key assumptions to reflect this impact. Other assumptions are rolled-forward from the previous valuation.



1.2 Appointed Actuary and Hybrid Actuarial Services Model

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

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

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

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

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 changes (i.e. within the last five years) are provided below.

Ontario Bill 91 (Building Ontario Up Act (Budget Measures), 2015) was introduced into the Legislature by the Minister of Finance on April 23, 2015 and received Royal Assent on June 4, 2015. Bill 91 announced a number of amendments to regulations made under the Insurance Act, including: updating the Catastrophic Impairment Definition and changes to the standard benefit level under the Statutory Accident Benefits Schedule (SABS); restrictions on insurance premium increases and lowering of the maximum interest rate charged on monthly auto insurance premium payments; and adjustments to the monetary threshold beyond which the tort deductible does not apply to reflect inflation (adjustments to reflect inflation in the associated tort deductible were undertaken via an update to regulation 461/96). On August 26, 2015, the Ontario government filed Ontario regulations 250/15 and 251/15 implementing reforms set out in Bill 91. With the most recent valuation (March 31, 2020), reform adjustments (originally introduced with the September 30, 2015 valuation) specifically related to changes to the SABS impacting the bodily injury and accident benefits coverages, were included with the updated industry trend analysis (completed using industry data as at June 30, 2019), impacting the selection of ultimates.

1.4 Harmonized Sales Tax Class Action - Ontario

Since the end of October 2018, class action lawsuits have been brought against multiple insurers related to HST and limits / sub-limits of benefits per the Statutory Accident Benefits Schedule and FSCO's Professional Services Guideline as part of claims settlement practices in Ontario.

The class action was dismissed in July 2020, with a finding that the proposed class action cannot proceed because the filing of the initial action is prohibited by statute. As a result of the ruling, individual claimants may still pursue their HST claims by way of the Ontario's Licence Appeal Tribunal (LAT), but they will not be able to pursue their claims in court by way of a class action.

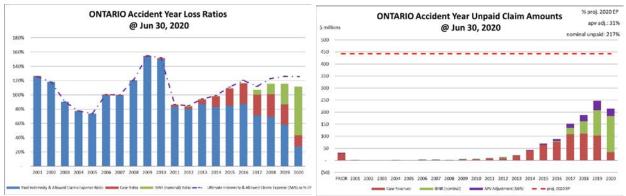
No adjustment has made to our valuation estimates. Please contact Aidan Chen at achen@facilityassociation.com if you need further information.

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



1.5 Current Provision Summary

The following charts show the current levels of claim liabilities² booked by accident year³. The left chart displays life-to-date payments, case reserves, IBNR, and the total including actuarial present value adjustments against accident year earned premium. The right chart shows the associated dollar amounts for the components of the claim liabilities and the current projected amount of 2020 full year earned premium (the red hash-mark line) to provide some perspective.



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

The current actuarial present value adjustments provision for claims liabilities (\$138.5 million – see the following table) represents 31% of the earned premium projected for the full year 2020 (see the upper right corner of the preceding chart on the right). If our current estimates of the nominal unpaid amounts prove to match actual claims payments, the actuarial present value adjustments will be released into the net operating result over future periods.

	amt	%
case	615,818	56.1%
ibnr	343,269	31.3%
M/S apv adjust.	138,475	12.6%
M/S total	1,097,562	100.0%

The table to the left breaks down the Member Statement (M/S) claim liabilities total into component parts, showing that the majority of the claim liabilities for this RSP is in case reserves. Approximately 74% of the IBNR balance relates to accident years 2019 and 2020 (see Exhibit B). Approximately 81% of the M/S total claim

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

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

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

³The loss ratio chart has been limited to show the most recent 20 accident years; the unpaid provision chart has been limited to show the most recent 20 accident years, and show all accident years older than 20 years collectively as "PRIOR".



premium liabilities (\$000s)		policy liabilities (\$000s)				
	amt	%		amt	%		
unearned prem	216,347	78.4%	claim	959,087	69.8%		
prem def/(dpac)	29,972	10.9%	premium	246,319	17.9%		
M/S apv adjust.	29,757	10.8%	M/S apv adjust.	168,232	12.2%		
M/S total	276.076	100.0%	M/S total	1.373.638	100.0%		

2 Activity During the Month of June 2020

2.1 Recorded Premium and Claims Activity

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

Ontario RSP Actual vs Projected Summary: Recorded Transaction Amounts (\$ thousands)

Table 01	Earned Premium		Paid Indemnity &		Case increase /		Recorded increase /	
			Allowed Claims Expense		(decrease)		(decrease)	
Accident	A atural	Actual less	A atrial	Actual less	A atural	Actual less	A stual	Actual less
Year	Actual	Projected	Actual	Projected	Actual	Projected	Actual	Projected
Prior	(15)	(15)	11,478	821	(7,913)	999	3,565	1,820
2018	(59)	(59)	2,423	(709)	1,139	2,056	3,562	1,347
2019	(118)	(118)	2,574	(598)	1,287	(470)	3,862	(1,067)
2020	33,843	(2,201)	10,176	(1,107)	7,201	(2,401)	17,377	(3,507)
TOTAL	33,651	(2,393)	26,651	(1,592)	1,714	184	28,365	(1,408)

(Recorded transaction amounts exclude IBNR & other actuarial provisions)

Claims transaction activity is generally volatile and changes from one month to the next are anticipated due to this natural "process variance" (i.e. random variation). Each month, the projection variances are reviewed for signs of projection bias and to identify potential ways to reduce the level of the variance. Commentary from our review is provided in the sub-sections that follow.

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

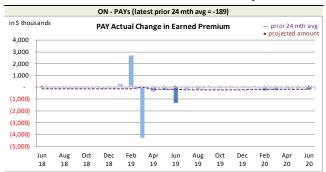
The following charts show actual **earned premium**⁵ activity in each of the most recent 25 calendar months, along with a "prior 24-month average" to show how each month's actual compares with the average amount of the preceding 24 calendar months.

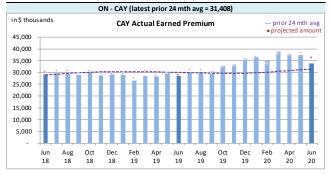
⁴There may be rounding differences in values in this document compared with the associated Bulletin and/or Operational Report.

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



Ontario RSP Actual Earned Premium by Calendar Month





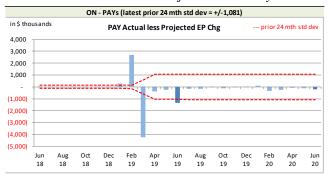
Earned premium changes during a given calendar month in relation to prior accident years tend to be at modest levels (note the different scales in the preceding charts), although relatively high levels generally occur at the beginning of each year.

On Latest \$		
Earned Premium	PAYs	CAY
Mthly Avg EP Chg (prior 24 mths)	(189)	31,408
std dev	1,081	3,494
A-P <> std dev	4	1
% <> std dev	16.0%	4.0%
norm <> std dev	31.7%	31.7%
performance vs 24-mth avg:	better	better

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

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

Ontario 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) bias⁶, with actuals generally lower than projected, although the magnitude is not high relative to monthly premium. Readers will also note the significant fluctuations in the CAY standard deviation band, reflecting significant volume changes and the impact as those changes were earned.

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

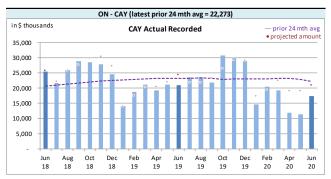


2.1.b AvsP: Recorded Indemnity & Allowed Claims Expense

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

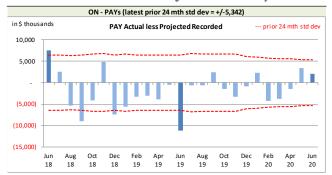
Ontario RSP Actual Recorded by Calendar Month





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

Ontario RSP Actual vs Projected Summary: Recorded Variances by Calendar Month





On Latest :	S	
Recorded	PAYs	CAY
Mthly Avg Recorded (prior 24 mths)	8,839	22,273
std dev	5,342	5,555
A-P <> std dev	4	2
% <> std dev	16.0%	8.0%
norm <> std dev	31.7%	31.7%
performance vs 24-mth avg:	better	better

With respect to **recorded** indemnity & allowed claims expense, 16% 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 been indicated at a 95% confidence level on a rolling 25-month basis (7 of 25 variances were positive); however, on a lagging 12-month basis, bias has not been indicated (4 of latest 12 variances have been positive.

The current accident year (CAY) recorded variances (preceding chart on the left) fell outside of one

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.

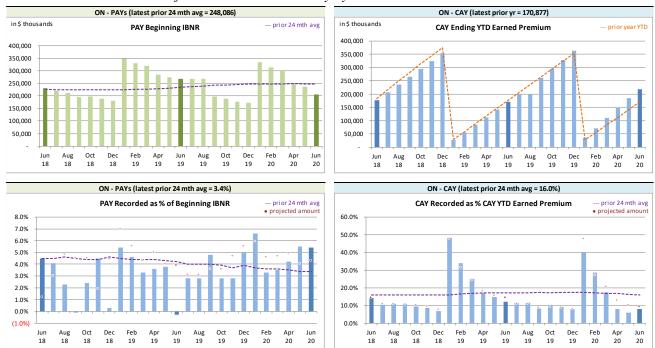


standard deviation 8% of the time over the last 25 calendar months suggesting that the projection process has performed better than simply projecting the prior 24-month average amount. Bias has not been indicated at a 95% confidence level on a rolling 25-month basis (10 of 25 variances were positive).

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, the following additional charts related to levels influencing **recorded** activity. Note in particular the reduction 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 a valuation is implemented (i.e. April, June, September, and November).

Ontario 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).

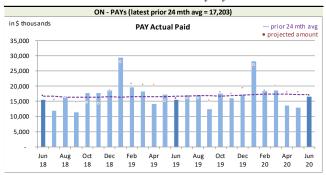
⁸Our recorded activity projections for the prior accident years are based on selected ratios of recorded activity to beginning unpaid balances, whereas the current accident year projections are based on selected ratios of year-to-date IBNR to year-to-date selected ultimate (i.e. selected LR x earned 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.

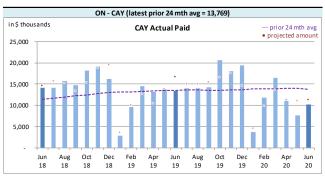


2.1.c AvsP: Paid Indemnity & Allowed Claims Expense

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.

Ontario RSP Actual Paid activity by Calendar Month

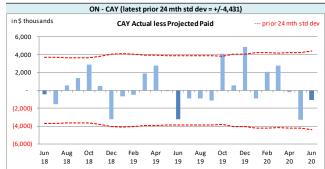




Paid activity variances from the previous month's projections are shown in the following charts, including the "prior 24-month standard deviation" levels to show how the variances from projection compare with historical standard deviations.

Ontario RSP Actual vs Projected Summary: Paid Variances by Calendar Month





On Latest 5	S	
Paid	PAYs	CAY
Mthly Avg Paid (prior 24 mths)	17,203	13,769
std dev	4,232	4,431
A-P <> std dev	3	2
% <> std dev	12.0%	8.0%
norm <> std dev	31.7%	31.7%
performance vs 24-mth avg:	better	better

With respect to **paid** indemnity & allowed claims expense, 12% of the prior accident years' (PAYs) variances over the last 25 calendar months have fallen outside of one standard deviation of the actual **paid** amounts (see table on left), suggesting the projection process has performed better than simply projecting the prior 24-month average amount (assuming it follows a normal distribution). Bias

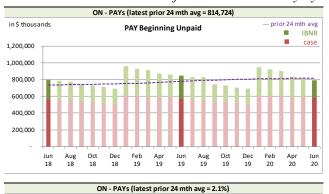
has not been indicated at a 95% confidence level on a rolling 25-month basis (9 of 25 variances are positive).

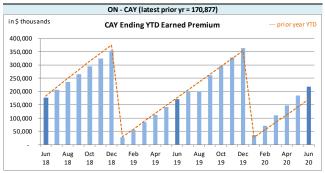
The current accident year (CAY) **paid** variances fell outside of one standard deviation 8% of the time over the last 25 calendar months (preceding chart on the left), suggesting the projection process has performed better than simply projecting the prior 24-month average amount. Bias has not been indicated at a 95% confidence level on a rolling 25-month basis (11 of 25 variances are positive).

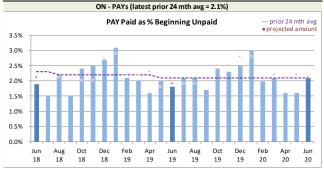


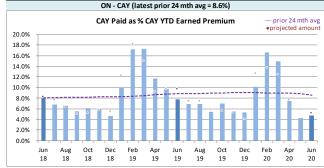
We have included, for reference, the following charts related to levels influencing **paid** activity.

Ontario 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 were based on the applicable valuation.

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".



The following table summarizes variances in provisions included in this month's Operational Report and the associated one-month projections from last month's Report.

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

Table 02			actuarial present v		value adjustments			
	IDI	J.D.	Discount Amount		Provisions	for Adverse	IBNR + actuarial presen	
	IDI	IBNR		Discount Amount		ations	value adj	ustments
Accident	Actual	Actual less	Actual	Actual less	Actual	Actual less	Actual	Actual less
Year	Actual	Projected	Actual	Projected	Actual	Projected	Actual	Projected
Prior	36,546	(1,834)	(7,481)	(10)	51,090	(177)	80,155	(2,021)
2018	51,756	(1,415)	(2,760)	(11)	28,904	114	77,900	(1,312)
2019	105,541	931	(4,175)	(9)	42,179	93	143,545	1,015
2020	149,426	1,049	(3,671)	27	34,389	(252)	180,144	824
TOTAL	343,269	(1,269)	(18,087)	(3)	156,562	(222)	481,744	(1,494)

The IBNR provision is \$1.3 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 year IBNR amount change from last month to this month broken down into:

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

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

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



Ontario RSP Actual vs Projected	l Summary: Premium Defi	ïciency / (DPAC) Amounts	s (\$ thousands)

Table 03		Premium Deficiency / (Deferred Policy Acquisition Costs)		actuarial present value adjustments		Premium Deficiency / (DPAC) including actuarial present value adjustments	
		Actual	Actual less	Actual	Actual less	Actual	Actual less
		7.000.0.	Projected	710000	Projected	, , , , , , , , , , , , , , , , , , , ,	Projected
ſ	balance:	29,972	148	29,757	16	59,729	164
	balance as % unearned premium:	13.9%	0.1%	13.8%	-	27.6%	0.1%

actual unearned premium: 216,347 less projected: (15)

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 expenses 12, including IBNR.

In calculating the amounts as percentages of earned premium, the calendar year-to-date earned premium has been used, which includes earned premium associated with the current accident year but also earned premium adjustments related to prior accident years. Specifically, the current accident year (CAY) ratio in the table is 112.1% rather than 111.7% (the valuation ultimate ratio for accident year 2020), as the calendar year-to-date earned premium includes prior accident year earned premium adjustments. (Note that the ratios in this table may differ slightly from those shown in the Ontario RSP Summary of Operations due to rounding.)

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.



Table 04	YTD Nominal Values		YTD actuarial present value adjustment		YTD Total		Change from Prior Month YTD	
	Amount	% EP	Amount	% EP	Amount	% EP	Amount	LR pts
PAYs	(63,571)	(34.5%)	5,036	2.7%	(58,535)	(31.8%)	1,061	8.7%
CAY	206,622	112.1%	26,093	14.2%	232,715	126.2%	38,292	(5.9%)
TOTAL	143,050	77.6%	31,129	16.9%	174,179	94.5%	39,353	2.9%

("% EP" based on 2020 calendar year-to-date earned premium; ratios may not total due to rounding)

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

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

5 Current Operational Report – Additional Exhibits

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

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

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

The ultimate loss ratios presented in section 6, Exhibit B, refer to the estimates derived on the basis of various actuarial methodologies applied to the experience of the Ontario Risk Sharing Pool for the purposes of the most recent quarterly valuation. As discussed in section 3, IBNR 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



 $\label{eq:exhibit} \mbox{EXHIBIT A}$ $\mbox{IBNR for Member Sharing-includes Actuarial Present Value Adjustments}$

TABLE EXHIBIT A	Amounts in \$000s								
IBNR + M/S actuarial present value adjustments	Accident Year	Actual May. 2020	Actual Jun. 2020	Projected Jul. 2020	Projected Aug. 2020	Projected Dec. 2020			
•	prior	2,619	2,562	2,487	2,428	2,172			
	2001	(235)	(235)	(219)	(206)	(182)			
	2002	74	74	70	67	58			
	2003	16	16	15	14	12			
	2004	149	149	142	137	122			
	2005	129	129	121	117	102			
	2006	526	525	497	477	425			
	2007	191	160	156	152	136			
	2008	743	743	700	669	594			
	2009	1,274	1,278	1,207	1,157	1,026			
	2010	1,932	1,886	1,779	1,706	1,515			
	2011	1,410	1,541	1,465	1,411	1,255			
	2012	3,036	4,215	3,977	3,815	3,385			
	2013	2,188	2,687	2,573	2,492	2,223			
	2014	3,340	3,135	3,054	2,989	2,681			
discount rate	2015	5,279	4,997	4,873	4,773	4,285			
0.66%	2016	13,208	11,792	11,383	11,016	9,512			
	2017	49,189	44,501	43,259	42,376	35,636			
interest rate margin	2018	81,932	77,900	75,878	74,436	63,184			
25 basis pts	2019	148,037	143,545	138,292	133,256	119,224			
	2020	155,093	180,144	204,623	217,133	239,549			
	TOTAL	470,130	481,744	496,332	500,415	486,914			
	Change		11,614	14,588	4,083				

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



EXHIBIT B

IBNR

	,						
TABLE EXHIBIT B				Amount	s in \$000s		
IBNR	Ultimate	Accident	Actual	Actual	Projected	Projected	Projected
	Loss Ratio	Year	May. 2020	Jun. 2020	Jul. 2020	Aug. 2020	Dec. 2020
	-	prior	61	11	10	8	3
	125.8%	2001	(293)	(293)	(274)	(261)	(231)
	117.9%	2002	63	63	59	56	48
	90.4%	2003	14	14	13	12	10
	77.6%	2004	61	61	57	54	47
	73.5%	2005	116	116	109	104	92
	100.3%	2006	359	359	336	321	284
	99.9%	2007	33	4	4	4	4
	120.5%	2008	644	644	603	575	509
	154.8%	2009	996	1,001	937	894	791
	151.7%	2010	1,538	1,494	1,398	1,334	1,180
	86.3%	2011	779	913	855	816	722
	84.4%	2012	2,131	3,276	3,066	2,925	2,587
	93.9%	2013	468	1,020	955	911	806
	97.9%	2014	(134)	(251)	(235)	(224)	(199)
	109.0%	2015	(414)	(591)	(553)	(528)	(467)
	116.8%	2016	3,584	2,702	2,621	2,569	2,180
	107.2%	2017	30,119	26,003	25,223	24,719	20,134
	115.6%	2018	55,386	51,756	50,203	49,199	40,073
	115.6%	2019	109,539	105,541	100,897	96,458	84,865
	111.7%	2020	129,000	149,426	168,809	177,254	188,173
		TOTAL	334,050	343,269	355,093	357,200	341,611
		Change		9,219	11,824	2,107	

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



EXHIBIT C

Premium Liabilities

TABLE EXHIBIT C		Amount	s in \$000s		
	Actual	Actual	Projected	Projected	Projected
Premium Liabilities	May. 2020	Jun. 2020	Jul. 2020	Aug. 2020	Dec. 2020
				_	
(1) unearned premium (UP)	216,342	216,347	217,185	223,569	244,596
FOR MEMBER SHARING					
(2) expected future costs ratio {% of (1)}	126.9%	127.6%	128.5%	129.5%	134.2%
(3) expected future costs {(1) x (2)}	274,445	276,076	279,073	289,519	328,156
(4) premium deficiency / (deferred policy					
acquisition cost)	58,103	59,729	61,888	65,950	83,560
Excluding Actuarial Present Value Adjustments					
(5) expected future costs ratio {% of (1)}	113.2%	113.9%	114.6%	115.5%	119.7%
(6) expected future costs {(1) x (5)}	244,864	246,319	248,992	258,313	292,782
(7) premium deficiency / (deferred policy					
acquisition cost)	28,522	29,972	31,807	34,744	48,186



EXHIBIT D

Projected Year-end Policy Liabilities

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

Ontario	Projected Balances as at Dec. 31, 2020 (\$000s)										
ending 2020	nominal values				actuarial present value adjustments (apvs)						
Acc Yr	Case	IBNR	Total Unpaid	discount	investment PfAD	nominal development PfAD	development PfAD discount	development PfAD	Total apvs	TOTAL	
prior	24,359	3	24,362	(390)	154	2,444	(39)	2,405	2,169	26,533	
2001	791	(231)	560	(10)	4	56	(1)	55	49	609	
2002	58	48	106	(2)	1	11	-	11	10	116	
2003	7	10	17	-	-	2	-	2	2	19	
2004	872	47	919	(24)	9	92	(2)	90	75	994	
2005	41	92	133	(4)	1	13	-	13	10	143	
2006	1,575	284	1,859	(63)	24	186	(6)	180	141	2,000	
2007	1,805	4	1,809	(67)	25	181	(7)	174	132	1,941	
2008	678	509	1,187	(47)	18	119	(5)	114	85	1,272	
2009	2,636	791	3,427	(151)	58	343	(15)	328	235	3,662	
2010	3,685	1,180	4,865	(214)	83	487	(21)	466	335	5,200	
2011	6,452	722	7,174	(258)	100	717	(26)	691	533	7,707	
2012	7,793	2,587	10,380	(322)	114	1,038	(32)	1,006	798	11,178	
2013	16,602	806	17,408	(453)	174	1,741	(45)	1,696	1,417	18,825	
2014	34,116	(199)	33,917	(712)	271	3,392	(71)	3,321	2,880	36,797	
2015	54,281	(467)	53,814	(915)	377	5,381	(91)	5,290	4,752	58,566	
2016	62,069	2,180	64,249	(964)	385	8,031	(120)	7,911	7,332	71,583	
2017	92,399	20,134	112,533	(1,688)	563	16,880	(253)	16,627	15,502	128,035	
2018	103,451	40,073	143,524	(2,440)	861	25,117	(427)	24,690	23,111	166,635	
2019	103,876	84,865	188,741	(3,775)	1,510	37,371	(747)	36,624	34,359	223,100	
PAYs (sub-total):	517,546	153,438	670,984	(12,499)	4,732	103,602	(1,908)	101,694	93,927	764,913	
CAY (2020)	118,845	188,173	307,018	(6,140)	2,456	56,184	(1,124)	55,060	51,376	358,394	
claims liabilities:	636,391	341,611	978,002	(18,639)	7,188	159,786	(3,032)	156,754	145,303	1,123,305	
	Unearned Premium	Premium Deficiency / (DPAC)	Total Provision	discount	investment PfAD	nominal development PfAD	development PfAD discount	development PfAD	Total apvs	TOTAL*	
premium liabilities:	244,596	48,186	292,782	(4,384)	1,754	38,583	(579)	38,004	35,374	328,156	
							Total may not be s	sum of parts, as ap	ovs apply to future	costs within UP	
policy liabilities:			1,270,784	(23,023)	8,942	198,369	(3,611)	194,758	180,677	1,451,46	



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 (Mar. 31,

	2020)							
Accident	Third Party	Accident	Other					
Year	Liability	Benefits	Coverages	Total				
	Margins	Margins	Margins	Margins				
1993	10.0%	10.0%	10.0%	10.0%				
1994	10.0%	10.0%	10.0%	10.0%				
1995	10.0%	10.0%	10.0%	10.0%				
1996	10.0%	10.0%	10.0%	10.0%				
1997	10.0%	10.0%	10.0%	10.0%				
1998	10.0%	10.0%	10.0%	10.0%				
1999	10.0%	10.0%	10.0%	10.0%				
2000	10.0%	10.0%	10.0%	10.0%				
2001	10.0%	10.0%	10.0%	10.0%				
2002	9.1%	10.0%	10.0%	10.0%				
2003	10.0%	10.0%	10.0%	10.0%				
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%	9.8%	10.0%				
2015	10.0%	10.0%	9.8%	10.0%				
2016	12.5%	12.5%	12.4%	12.5%				
2017	15.0%	15.0%	15.0%	15.0%				
2018	17.5%	17.5%	16.9%	17.5%				
2019	19.8%	20.0%	14.4%	19.8%				
2020	17.9%	20.0%	6.2%	18.3%				
2021	12.5%	20.0%	5.2%	13.2%				
prem liab	12.5%	20.0%	5.2%	13.2%				

discount rate: 0.66% 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 (0.66%), the prior valuation assumption (1.58%) and the prior fiscal year end valuation assumption (1.41%) for comparative purposes. A 25 basis point margin for investment return adverse deviation is used in all scenarios presented.

\$ Format: \$000s

	Actuar	rial Present Va	lue of Provision	ons at Various	Discount Rate	s - Dec. 31, 20	20 projected l	Jnpaid
AY	0.00%	0.16%	0.66%	1.16%	1.66%	2.16%	1.58%	1.41%
2002 &								
prior	27,702	27,693	27,408	27,075	26,749	26,432	26,802	26,911
2003	62	62	61	60	59	58	59	60
2004	1,149	1,148	1,129	1,107	1,086	1,065	1,089	1,097
2005	234	234	229	224	219	214	220	222
2006	2,258	2,256	2,207	2,150	2,095	2,043	2,104	2,123
2007	2,293	2,291	2,237	2,174	2,114	2,057	2,124	2,144
2009	4,202	4,198	4,080	3,945	3,817	3,695	3,837	3,880
2010	5,602	5,597	5,441	5,263	5,094	4,934	5,121	5,178
2011	7,281	7,275	7,110	6,920	6,742	6,573	6,770	6,830
2012	9,494	9,487	9,298	9,082	8,877	8,684	8,909	8,978
2013	16,531	16,520	16,244	15,925	15,624	15,339	15,672	15,773
2014	30,010	29,997	29,587	29,114	28,669	28,245	28,739	28,890
2015	48,391	48,374	47,858	47,264	46,699	46,159	46,790	46,981
2016	69,836	69,805	69,140	68,367	67,630	66,919	67,742	67,996
2017	129,677	129,609	128,349	126,883	125,465	124,092	125,695	126,161
2018	170,219	170,118	168,248	166,105	164,028	162,014	164,336	165,035
2019	219,429	219,247	216,454	213,263	210,168	207,201	210,653	211,706
2020	339,806	339,543	335,169	330,106	325,253	320,602	326,067	327,664
Total	1,085,738	1,085,014	1,071,770	1,056,502	1,041,819	1,027,715	1,044,167	1,049,081
	curr - 100 bp	curr - 50 bp	curr val	curr + 50bp	curr + 100bp	curr + 150bp	prior val	prior fyr end
			assumption				assumption	assumption
			D.H.J.	and Bulletting	-) (- 1 1			
AY	0.00%	0.160/	0.66%	1.16%	o Valuation As		1.500/	1.41%
Total	13,968	0.16% 13,244	0.00%	(15.268)	1.66%	2.16%	1.58%	(22.689)
TOtal		13,244	-	(13,200)	(23,331)	(44,033)	(27,003)	(22,003)
	curr - 100 hn	curr - 50 hn	curryal	curr + 50hn	curr ± 100hn	curr + 150hn	nrior val	nrior fur and
	curr - 100 bp	curr - 50 bp	curr val	curr + 50bp	curr + 100bp	curr + 150bp	prior val	} `
	curr - 100 bp	curr - 50 bp	curr val assumption		curr + 100bp	curr + 150bp	prior val assumption	prior fyr end assumption
	curr - 100 bp	curr - 50 bp	assumption		·	·		} `
——AY		0.16%	assumption Percentage I	mpact Relativ	e to Valuation	Assumption	assumption	} `
AY 2002 &	0.00%		assumption		·	·		assumption
			assumption Percentage I	mpact Relativ	e to Valuation	Assumption	assumption	assumption
2002 &	0.00%	0.16%	assumption Percentage I	mpact Relativ 1.16%	e to Valuation 1.66%	Assumption 2.16%	assumption	assumption
2002 & prior	0.00%	0.16%	assumption Percentage I	mpact Relativ 1.16% (1.2%)	e to Valuation 1.66% (2.4%) (3.3%)	Assumption 2.16% (3.6%)	1.58% (2.2%)	1.41% (1.8%)
2002 & prior 2003	0.00% 1.1% 1.6%	0.16% 1.0% 1.6%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%)	e to Valuation 1.66% (2.4%)	Assumption 2.16% (3.6%) (4.9%)	1.58% (2.2%) (3.3%)	1.41% (1.8%) (1.6%)
2002 & prior 2003 2004	0.00% 1.1% 1.6% 1.8%	0.16% 1.0% 1.6% 1.7%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%) (1.9%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%)	Assumption 2.16% (3.6%) (4.9%) (5.7%)	1.58% (2.2%) (3.3%) (3.5%)	1.41% (1.8%) (1.6%) (2.8%)
2002 & prior 2003 2004 2005	0.00% 1.1% 1.6% 1.8% 2.2%	0.16% 1.0% 1.6% 1.7% 2.2%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%) (1.9%) (2.2%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%)	1.58% (2.2%) (3.3%) (3.5%) (3.9%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%)
2002 & prior 2003 2004 2005 2006 2007 2009	0.00% 1.1% 1.6% 1.8% 2.2% 2.3%	0.16% 1.0% 1.6% 1.7% 2.2% 2.2%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%) (1.9%) (2.2%) (2.6%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (5.5%) (6.4%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%)	1.58% (2.2%) (3.3%) (3.5%) (3.9%) (4.7%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%) (3.8%) (4.2%) (4.9%)
2002 & prior 2003 2004 2005 2006 2007	0.00% 1.1% 1.6% 1.8% 2.2% 2.3% 2.5%	0.16% 1.0% 1.6% 1.7% 2.2% 2.2% 2.4%	assumption Percentage I	1.16% (1.2%) (1.6%) (1.9%) (2.2%) (2.6%) (2.8%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (5.5%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%) (8.0%)	1.58% (2.2%) (3.3%) (3.5%) (4.7%) (5.1%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%) (3.8%) (4.2%)
2002 & prior 2003 2004 2005 2006 2007 2009	0.00% 1.1% 1.6% 1.8% 2.2% 2.3% 2.5% 3.0%	0.16% 1.0% 1.6% 2.2% 2.2% 2.4% 2.9%	assumption Percentage I	1.16% (1.2%) (1.6%) (1.9%) (2.2%) (2.6%) (2.8%) (3.3%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (5.5%) (6.4%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%) (8.0%) (9.4%)	1.58% (2.2%) (3.3%) (3.5%) (4.7%) (5.1%) (6.0%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%) (3.8%) (4.2%) (4.9%)
2002 & prior 2003 2004 2005 2006 2007 2009 2010	0.00% 1.1% 1.6% 1.8% 2.2% 2.3% 2.5% 3.0% 3.0%	0.16% 1.0% 1.6% 1.7% 2.2% 2.2% 2.4% 2.9% 2.9% 2.3% 2.0%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%) (1.9%) (2.2%) (2.6%) (2.8%) (3.3%) (3.3%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (5.5%) (6.4%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%) (8.0%) (9.4%) (9.3%)	1.58% (2.2%) (3.3%) (3.5%) (4.7%) (5.1%) (6.0%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%) (4.2%) (4.9%) (4.9%) (4.8%) (3.9%) (3.4%)
2002 & prior 2003 2004 2005 2006 2007 2009 2010 2011 2012 2013	0.00% 1.1% 1.6% 1.8% 2.2% 2.3% 2.5% 3.0% 2.4% 2.1% 1.8%	0.16% 1.0% 1.6% 1.7% 2.2% 2.2% 2.4% 2.9% 2.9% 2.3% 2.0% 1.7%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%) (1.9%) (2.2%) (2.6%) (3.3%) (2.7%) (2.3%) (2.3%) (2.0%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (6.4%) (6.4%) (5.2%) (4.5%) (3.8%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%) (8.0%) (9.3%) (7.6%) (6.6%) (5.6%)	1.58% (2.2%) (3.3%) (3.5%) (3.5%) (4.7%) (5.1%) (6.0%) (4.8%) (4.2%) (4.2%) (3.5%)	1.41% (1.8%) (2.8%) (3.1%) (3.8%) (4.2%) (4.9%) (4.9%) (3.9%) (3.4%) (2.9%)
2002 & prior 2003 2004 2005 2006 2007 2010 2011 2012 2013 2014	0.00% 1.1% 1.6% 1.8% 2.2% 2.3% 2.5% 3.0% 3.0% 2.4% 2.1% 1.8%	0.16% 1.0% 1.6% 1.7% 2.2% 2.2% 2.4% 2.9% 2.3% 2.3% 1.7% 1.4%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.5%) (1.9%) (2.2%) (2.6%) (2.8%) (3.3%) (2.7%) (2.3%) (2.0%) (1.6%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (6.4%) (5.2%) (4.5%) (3.8%) (3.1%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%) (9.4%) (9.3%) (7.6%) (6.6%) (5.6%) (4.5%)	1.58% (2.2%) (3.3%) (3.5%) (4.7%) (5.1%) (6.0%) (4.8%) (4.2%) (3.5%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%) (3.8%) (4.2%) (4.9%) (3.9%) (3.4%) (2.9%) (2.4%)
2002 & prior 2003 2004 2005 2006 2007 2009 2010 2011 2012 2013 2015	0.00% 1.1% 1.6% 1.8% 2.2% 2.3% 3.0% 3.0% 2.4% 2.1% 1.8% 1.4% 1.1%	0.16% 1.0% 1.6% 1.7% 2.2% 2.2% 2.4% 2.9% 2.3% 1.7% 1.4% 1.1%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%) (2.2%) (2.6%) (2.8%) (3.3%) (2.7%) (2.3%) (2.0%) (1.6%) (1.6%) (1.2%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (6.4%) (6.4%) (5.2%) (4.5%) (3.8%) (3.1%) (2.4%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%) (9.4%) (9.3%) (6.6%) (5.6%) (4.5%) (3.6%)	1.58% (2.2%) (3.3%) (3.5%) (4.7%) (5.1%) (6.0%) (4.8%) (4.2%) (2.9%) (2.2%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%) (4.2%) (4.9%) (4.3%) (3.9%) (2.9%) (2.4%) (1.8%)
2002 & prior 2003 2004 2005 2006 2007 2009 2010 2011 2012 2013 2014 2015 2016	0.00% 1.1% 1.6% 1.8% 2.2% 2.3% 3.0% 3.0% 2.4% 2.1% 1.8% 1.4% 1.1%	0.16% 1.0% 1.6% 1.7% 2.2% 2.2% 2.9% 2.3% 2.9% 1.7% 1.1% 1.0%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%) (1.9%) (2.2%) (2.6%) (2.8%) (3.3%) (2.7%) (2.3%) (1.6%) (1.6%) (1.1%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (6.4%) (5.2%) (4.5%) (3.8%) (3.1%) (2.4%) (2.2%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%) (9.3%) (7.6%) (6.6%) (5.6%) (4.5%) (4.5%) (3.6%) (3.2%)	1.58% (2.2%) (3.3%) (3.5%) (3.5%) (5.1%) (6.0%) (4.2%) (4.2%) (2.9%) (2.2%) (2.0%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%) (4.2%) (4.9%) (4.8%) (3.9%) (2.9%) (2.4%) (2.4%) (1.8%)
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2002 & prior 2003 2004 2005 2006 2007 2009 2011 2012 2013 2014 2015 2016 2017 2018	0.00% 1.1% 1.6% 1.8% 2.2% 2.3% 2.5% 3.0% 3.0% 2.4% 1.1% 1.0% 1.0% 1.0% 1.2%	0.16% 1.0% 1.6% 1.7% 2.2% 2.2% 2.4% 2.9% 2.3% 1.7% 1.1% 1.0% 1.0% 1.0% 1.1%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%) (2.2%) (2.6%) (2.3%) (2.3%) (2.7%) (1.6%) (1.1%) (1.1%) (1.1%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (6.4%) (6.4%) (4.5%) (3.8%) (3.1%) (2.4%) (2.2%) (2.2%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%) (9.4%) (9.3%) (7.6%) (6.6%) (5.6%) (4.5%) (3.6%) (3.2%) (3.2%) (3.7%)	1.58% (2.2%) (3.3%) (3.5%) (3.5%) (4.7%) (5.1%) (6.0%) (5.9%) (4.2%) (2.2%) (2.2%) (2.2%) (2.2%) (2.3%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%) (3.8%) (4.2%) (4.9%) (2.9%) (2.4%) (1.8%) (1.7%) (1.7%) (1.9%)
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2002 & prior 2003 2004 2005 2006 2007 2009 2010 2011 2012 2013 2016 2017 2018 2019 2020	0.00% 1.1% 1.6% 1.8% 2.2% 2.3% 2.5% 3.0% 2.4% 2.1% 1.8% 1.1% 1.0% 1.0% 1.2% 1.4% 1.4% 1.4%	0.16% 1.0% 1.6% 1.7% 2.2% 2.4% 2.9% 2.9% 2.3% 2.0% 1.7% 1.1% 1.0% 1.0% 1.1% 1.3% 1.3%	assumption Percentage I	mpact Relativ 1.16% (1.2%) (1.6%) (2.2%) (2.6%) (2.8%) (3.3%) (2.7%) (2.3%) (1.6%) (1.1%) (1.1%) (1.3%) (1.5%)	e to Valuation 1.66% (2.4%) (3.3%) (3.8%) (4.4%) (5.1%) (5.5%) (6.4%) (5.2%) (4.5%) (3.1%) (2.4%) (2.2%) (2.2%) (2.5%) (2.9%) (3.0%)	Assumption 2.16% (3.6%) (4.9%) (5.7%) (6.6%) (7.4%) (8.0%) (9.3%) (7.6%) (6.6%) (4.5%) (3.2%) (3.3%) (3.7%) (4.3%) (4.3%)	1.58% (2.2%) (3.3%) (3.5%) (3.9%) (4.7%) (5.1%) (6.0%) (4.8%) (4.2%) (2.9%) (2.2%) (2.2%) (2.1%) (2.3%) (2.3%) (2.7%)	1.41% (1.8%) (1.6%) (2.8%) (3.1%) (4.2%) (4.9%) (4.9%) (2.4%) (1.7%) (1.7%) (1.9%) (2.2%)
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EXHIBIT G

Page 1 of 2

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

	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
prior	2,619	(69)	12	-	(57)	(2.2%)	2,562
2001	(235)	16	(16)	-	-	-	(235)
2002	74	(4)	4	-	-	-	74
2003	16	(1)	1	-	-	-	16
2004	149	(6)	6	-	-	-	149
2005	129	(7)	7	-	-	-	129
2006	526	(27)	26	-	(1)	(0.2%)	525
2007	191	(7)	(24)	-	(31)	(16.2%)	160
2008	743	(42)	42	-	-	-	743
2009	1,274	(69)	73	-	4	0.3%	1,278
2010	1,932	(105)	59	-	(46)	(2.4%)	1,886
2011	1,410	(63)	194	-	131	9.3%	1,541
2012	3,036	(155)	1,334	-	1,179	38.8%	4,215
2013	2,188	(72)	571	-	499	22.8%	2,687
2014	3,340	(79)	(126)	-	(205)	(6.1%)	3,135
2015	5,279	(116)	(166)	-	(282)	(5.3%)	4,997
2016	13,208	(461)	(955)	-	(1,416)	(10.7%)	11,792
2017	49,189	(1,625)	(3,063)	-	(4,688)	(9.5%)	44,501
2018	81,932	(2,720)	(1,312)	-	(4,032)	(4.9%)	77,900
2019	148,037	(5,507)	1,015	-	(4,492)	(3.0%)	143,545
2020	155,093	24,227	824	-	25,051	16.2%	180,144
Grand Total	470,130	13,108	(1,494)	-	11,614	2.5%	481,744



EXHIBIT G

Page 2 of 2

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

RSP Ontario
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
prior	61	(3)	(47)	-	(50)	(82.0%)	11
2001	(293)	18	(18)	-	-	-	(293)
2002	63	(4)	4	-	-	-	63
2003	14	(1)	1	-	-	-	14
2004	61	(4)	4	-	-	-	61
2005	116	(7)	7	-	-	-	116
2006	359	(22)	22	-	-	-	359
2007	33	(2)	(27)	-	(29)	(87.9%)	4
2008	644	(40)	40	-	-	-	644
2009	996	(62)	67	-	5	0.5%	1,001
2010	1,538	(95)	51	-	(44)	(2.9%)	1,494
2011	779	(48)	182	-	134	17.2%	913
2012	2,131	(132)	1,277	-	1,145	53.7%	3,276
2013	468	(29)	581	-	552	117.9%	1,020
2014	(134)	8	(125)	-	(117)	87.3%	(251)
2015	(414)	26	(203)	-	(177)	42.8%	(591)
2016	3,584	(143)	(739)	-	(882)	(24.6%)	2,702
2017	30,119	(1,205)	(2,911)	-	(4,116)	(13.7%)	26,003
2018	55,386	(2,215)	(1,415)	-	(3,630)	(6.6%)	51,756
2019	109,539	(4,929)	931	-	(3,998)	(3.6%)	105,541
2020	129,000	19,377	1,049	-	20,426	15.8%	149,426
Grand Total	334,050	10,488	(1,269)	-	9,219	2.8%	343,269