

ONTARIO RISK SHARING POOL

AUGUST 2020 OPERATIONAL REPORT

ACTUARIAL HIGHLIGHTS

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ACTUARIAL HIGHLIGHTS

RSP ONTARIO

OPERATIONAL REPORT

AUGUST 2020

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1 Summary

Key Points

- (a) The 2020 Q2 valuation was completed and implemented into the results this month, with a \$135.4 million favourable impact, or 10.6% of beginning policy liabilities (policy liabilities ended at \$1,282 million) and 46.9 points of year-to-date earned premium; the updated valuation loss ratios include a further assessment of the incurred impacts associated with the COVID-19 pandemic;
- (b) August's premium projections have been updated to reflect the most recent information provided by certain members. Updated claims assumptions are derived from the 2020 Q2 valuation; and
- (c) The month's Current Accident Year claims activities were lower than projected; the activity was reviewed and attributed to a reduction in written premium and low levels of reported physical damage claims experience in the month.

1.1 Valuation Schedule (Fiscal Year 2020)

The August 2020 Operational Report incorporates the results of an updated valuation (as at June 30, 2020) – the impact of the implementation of the valuation is discussed in section 1.2. 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	Oct. 2019	updated valuation (roll forward): accident year 2019 loss ratio <u>de</u> creased 0.7 points to 122.3%; discount rate <u>in</u> creased 1 basis point; no change to selected margins for adverse deviations					
Dec. 31, 2019 (completed)	1.58% mfad 25 bp	Mar. 2020	update valuation: accident year 2019 loss ratio <u>de</u> creased 5.8 points to 116.5%; accident year 2020 loss ratio <u>de</u> creased 5.7 points to 119.5 %; discount rate <u>in</u> creased 17 basis points; no change to selected margins for adverse deviations					
Mar. 31, 2020 (completed)	0.66% mfad 25 bp	May. 2020	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 (completed)	0.29% mfad 25 bp	Aug. 2020	update valuation: accident year 2020 loss ratio <u>de</u> creased 16.3 points to 95.4%; discount rate <u>de</u> creased by 37 basis points; selected margins for adverse deviations were updated					
Sep. 30, 2020	% mfad bp	Oct. 2020	update valuation (roll-forward)					



Under the proposed schedule for fiscal year 2020, the off-half valuation quarters ending March 31, 2020 and September 30, 2020 would not reflect a full valuation update of assumptions, but would rather roll-forward key assumptions from the previous valuation.

1.2 New Valuation

A valuation of the Ontario Risk Sharing Pool ("RSP") as at June 30, 2020 has been completed since last month's Operational Report and the results of that valuation have been incorporated into this month's Report. The valuation was completed by the Facility Association's internal actuarial group in conjunction with, and approved by, the Appointed Actuary, under the hybrid model for actuarial services.

The valuation implementation impact is summarized in the following two tables, where the abbreviations PAYs refers to prior accident years, CAY refers to the current accident year (2020), and "Prem Def" refers to premium deficiency / deferred acquisition costs impacts.

Ontario		unfav ,	he month a	nd ytd		
	IMPACT in \$000s fr			from chang	es in:	
	ults &	payout pat	terns	dsct rate	margins	
	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL
	[1]	[2]	[3]	[4]	[5]	[6]
PAYs	(45,134)	(5,954)	(51,088)	8,394	(13,223)	(55,917)
CAY	(47,333)	(8,112)	(55,445)	2,533	-	(52,912)
Prem Def	(25,364)	(3,294)	(28,658)	2,040	-	(26,618)
TOTAL	(117,831)	(17,360)	(135,191)	12,967	(13,223)	(135,447)

Summary of Impact (\$000s) of Implementing Result of Valuation as at Jun. 30, 2020¹

As indicated in the preceding table, the incorporation of the new valuation had an estimated **\$135.4 million favourable impact** on the month's net result from operations, subtracting an estimated 46.9 points (see following table) to the **year-to-date Combined Operating Ratio** to end at **76.7%**

¹In these tables, "PAYs" refers to prior accident years, "CAY" refers to the current accident year, and "Prem Def" refers to the provision for premium deficiency or the deferred policy acquisition asset (as applicable). "Nominal" refers to changes excluding any actuarial present value adjustments, whereas "apv adj." refers to actuarial present value adjustments.

The columns under the heading "ults & payout patterns" reflect the impact of changes in the valuation selected ultimates and claims payment patterns (i.e. based on unchanged selection of discount rates and margins for adverse deviation). The column "dsct rate" reflects the impact of the change in the selected discount rate and the column "margins" reflects the impact of any changes in selected margins for adverse deviations.

Ontario	ytd EP	288,626	(actual)			
	IMPACT unfav / (fav) as %			6 ytd EP fro	m changes i	in:
	ults &	payout pat	terns	dsct rate	margins	
	Nominal	apv adj.	sub-tot	apv adj.	apv adj.	TOTAL
	[1]	[2]	[3]	[4]	[5]	[6]
PAYs	(15.6%)	(2.1%)	(17.7%)	2.9%	(4.6%)	(19.4%)
CAY	(16.4%)	(2.8%)	(19.2%)	0.9%	-	(18.3%)
Prem Def	(8.8%)	(1.1%)	(9.9%)	0.7%	-	(9.2%)
TOTAL	(40.8%)	(6.0%)	(46.8%)	4.5%	(4.6%)	(46.9%)

Summary of Impact (% YTD EP) of Implementing Result of Valuation as at Jun.30, 2020

The impact of the **nominal changes** is shown in column [1] of the two preceding summary tables. The change in the selected nominal ultimates was **favourable by \$117.8 million** overall. This reflects the impact attributable to the changes in the selected ultimate loss ratios (i.e. for each accident year, it is the product of life-to-date earned premium for the accident year and the change in the selected ultimate loss ratio).

The **PAYs** overall showed a **\$45.1 million favourable** nominal variance or 5.9% of the PAYs nominal unpaid balance of \$761.2 million determined at the end of last month (July 2020), driven by favourable claims development and updates to a priori loss ratios to include more recent data and updated trends. While the valuation implementation impact does differ from the valuation changes themselves (as they apply to different periods), the valuation result by government line provides insight into the relative PAYs nominal changes. As per following table, the primary changes were in relation to Accident Benefits across multiple PAYs.

Valuation as at Jun 30, 2020 – PAYs Nominal Changes by Government Line

_	(favourable) / unfavourable during Quarter						
Accident Year	Third Party	Accident	Other	Total			
Accident Teal	Liability	Benefits	Coverages	TOtal			
2015 & Prior	772	(12,903)	147	(11,984)			
2016	1,426	(6,718)	308	(4,984)			
2017	(2,229)	(5,145)	32	(7,342)			
2018	(784)	(6,310)	419	(6,675)			
2019	(5,423)	(6,435)	(2,391)	(14,249)			
TOTAL	(6,238)	(37,511)	(1,485)	(45,234)			

Ontario RSP - valuation changes in selected ultimate

The CAY and premium deficiency impacts are a result of the change in the selected loss ratios for accident year **2020** (decreased 16.3 points to 95.4%) and accident year **2021** (decreased 6.0 points to 113.5%).

The impacts related to actuarial present value ("apv") adjustments are split into the impact prior to any change in the selected discount rate and selected margins for adverse deviations or "MfADs" (at the level they were selected i.e. coverage and accident half-year), the impact of then updating the discount rate, and finally the impact of any changes to the MfADs (at the level they were selected). The changes



in actuarial present value adjustments are shown in the preceding summary tables in columns [2], [4], and [5].

Column [2] recognizes that changing the nominal selections also changed the unpaid estimates (including changes to the relative mix by government line, which had an impact on the weighted-average MfADs). It also reflects the fact that we updated the projected emergence of claims payments, resulting in a change in the projected cash flows. These changes generated a favourable change of \$17.4 million in the actuarial present value adjustments, prior to any changes in the selected discount rate and/or MfADs.

Updated projected cash flows were reviewed against the selected risk-free yield curve, derived from Government of Canada benchmark bond yields monthly series using values for June 2020. Column [4] accounts for the change in the **discount rate** selected (decreased 37 basis points to **0.29%**), indicating an <u>un</u>favourable impact of \$13.0 million. The impact *related only to claims liabilities* (i.e. PAYs plus CAY) was \$10.9 million at August 2020 – this compares to the \$9.8 million change one would estimate as the impact by interpolation using the interest rate sensitivity table provided in last month's Actuarial Highlights.

Column [5] accounts for any changes to selected MfADs. The selected **investment rate MfAD** was **left unchanged at 25 basis points**, but the selected **claims development MfADs** at the coverage and accident year level were **updated** as per usual practice with the June 30 valuation, resulting in a favourable impact of \$13.2 million, as margins on older PAYs were aged.

Consideration was given to recent legal decisions and changes in legislation / regulation as noted above and outlined in section 1.4.

1.3 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.

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

There have been no changes in these descriptions since last month's Highlights, other than updated references to reflect the new valuation.

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:

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

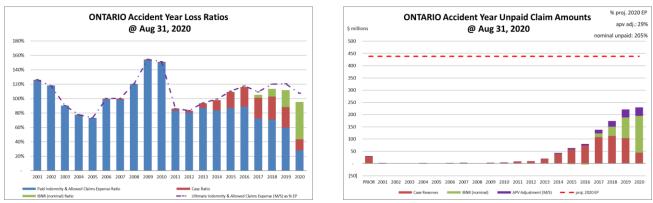


updating the Catastrophic Impairment Definition and changes to the standard benefit level under the Statutory Accident Benefits Schedule (SABS); restrictions on insurance premium increases and lowering of the maximum interest rate charged on monthly auto insurance premium payments; and adjustments to 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 <u>most recent</u> valuation (June 30, 2020), consideration of the 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 December 31, 2019).

In **Tomec v Economical Mutual Insurance Company (2019 ONCA 882)**, the Ontario Court of Appeal set aside the Divisional Court judicial review and decision of the Licence and Appeal Tribunal to deny enhanced housekeeping and attendant care benefits. The unanimous panel concluded that the rule of discoverability applied to s. 281.1(1) of the Insurance Act and to s. 51(1) of the old Statutory Accident Benefits Schedule such that the two-year limitation period to dispute benefits could not run before an insured was determined to be catastrophically impaired (CAT). On June 4th, 2020, the Supreme Court of Canada dismissed the insurer's application to appeal the Ontario Court of Appeal's decision in this matter. At the current time, no adjustments have been made to our valuation estimates as a result of this decision.

1.5 Current Provision Summary

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



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

³Claim liabilities refer to provision for unpaid indemnity and allowed claims expenses. Allowed claims expenses are first party legal and other expenses as listed in the RSP Claims Guide. Claims expenses paid through the member company expense allowance are NOT included in this discussion.

⁴The 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".



The current actuarial present value adjustments provision for claims liabilities (\$128.4 million - see the following table) represents 29% of the earned premium projected for the full year 2020 (see the upper right corner of the preceding chart on the right). If our current estimates of the nominal unpaid amounts prove to match actual claims payments, the actuarial present value adjustments will be released into the net operating result over future periods.

claim	liabilities	(\$000s)
-------	-------------	----------

	amt	%
case	616,935	60.1%
ibnr	281,807	27.4%
M/S apv adjust.	128,399	12.5%
M/S total	1,027,141	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 84% of the IBNR balance relates to accident years 2019 and 2020 (see Exhibit B). Approximately 82% 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.

premium liabilities (\$000s	premium	liabilities	(\$000s)
-----------------------------	---------	-------------	---------	---

policy liabilities (\$000s)

·	amt	%		amt	%
unearned prem	217,630	85.4%	claim	898,742	70.1%
prem def/(dpac)	8,183	3.2%	premium	225,813	17.6%
M/S apv adjust.	29,091	11.4%	M/S apv adjust.	157,490	12.3%
M/S total	254,904	100.0%	M/S total	1,282,045	100.0%

2 Activity during the Month of August 2020

Recorded Premium and Claims Activity 2.1

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

Ontario 151 Intituti vi Frojecica Sammary. Recoraca Fransaction Intoanis (@ mousanas)		Ontario RSP Actual vs Projected Summary:	Recorded Transaction Amounts (\$ thousands)
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Table 01	Earned Premium		Paid Indemnity &		Case increase /		Recorded increase /	
	Earrieu P	Termum	Allowed Cla	ims Expense	(decr	ease)	(decr	ease)
Accident	Actual	Actual less	Actual	Actual less	Actual	Actual less	Actual	Actual less
Year	Actual	Projected	Actual	Projected	Actual	Projected	Actual	Projected
Prior	(19)	(19)	7,171	(2,664)	(4,231)	4,669	2,940	2,005
2018	(72)	(72)	1,871	(845)	1,968	3,714	3,839	2,869
2019	(172)	(172)	2,829	(464)	(1,047)	(2,221)	1,782	(2,685)
2020	36,262	(1,586)	10,759	(682)	4,524	(8,474)	15,283	(9,156)
TOTAL	36,000	(1,848)	22,630	(4,654)	1,214	(2,313)	23,844	(6,967)

(Recorded transaction amounts exclude IBNR & other actuarial provisions)

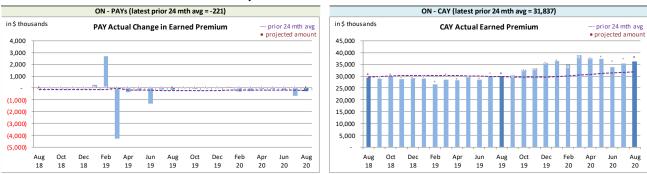
⁵There may be rounding differences in values in this document compared with the associated Bulletin and/or Operational Report.



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

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

The following charts show actual **earned premium**⁶ activity in each of the most recent 25 calendar months, along with a "prior 24-month average" to show how each month's actual compares with the average amount of the preceding 24 calendar months.



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.

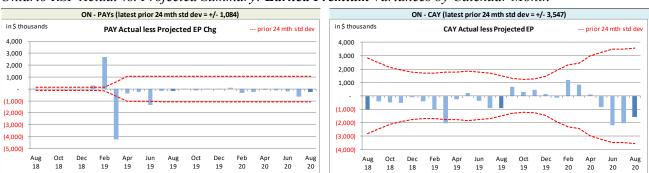
On Latest \$ thousands						
Earned Premium	PAYs	CAY				
Mthly Avg EP Chg (prior 24 mths)	(221)	31,837				
std dev	1,084	3,547				
A-P <> std dev	4	1				
% <> std dev	16.0%	4.0%				
norm <> std dev	31.7%	31.7%				
performance vs 24-mth avg:	better	better				

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.

⁶Premium is earned on a daily basis based on the transaction term measured in days. As a result, months with 31 days earned relatively more than those with 30 days, and February earns the least.



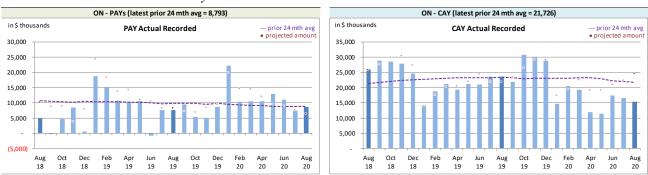


Ontario RSP Actual vs. Projected Summary: Earned Premium Variances by Calendar Month

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) bias⁷, 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.

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.

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



		014-	PAYs (atest	1101 24	inter se	u uev -		501			
in\$ thousand	s		PAY	Actual	less Pro	ojected	Record	led		prior	24 mth	std dev
8,000												
6,000												
4,000		-								_		
2,000												
(2,000)							· • •			_		
(4,000) -	_				_							
(6,000)	-											
(8,000)	_				_							
(10,000)	- C											
(12,000)					_							
(14,000)												
Au			Feb	Apr	Jun	Aug	Oct	Dec	Feb	Apr	Jun	Aug
18	18	18	19	19	19	19	19	19	20	20	20	20

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

On Latest \$ thousands							
Recorded	PAYs	CAY					
Mthly Avg Recorded (prior 24 mths)	8,793	21,726					
std dev	5,358	5,707					
A-P <> std dev	3	4					
% <> std dev	12.0%	16.0%					
norm <> std dev	31.7%	31.7%					
performance vs 24-mth avg:	better	better					



With respect to **recorded** 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 **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). Bias⁸ has been indicated at a 95% confidence level on a rolling 25-month basis (6 of 25 variances were positive); however, on a lagging 12-month basis, bias has not been indicated (5 of latest 12 variances have been positive).

The current accident year (CAY) **recorded** variances (preceding chart on the left) fell outside of one standard deviation 16% 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 CAY **recorded** variance was outside of one standard deviation band this month (see preceding chart on the right). The lower than projected recorded activity was reviewed, and attributed to a reduction in written premium and low levels of reported physical damage claims experience in the month further to the valuation assumption update.

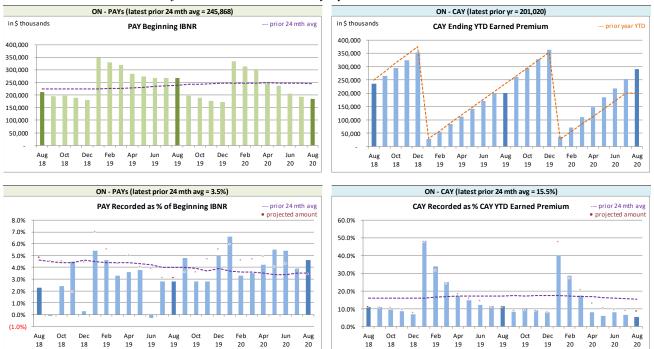
The method for establishing IBNR adjusts automatically for changes in **earned premium** and **recorded** claims activity level (see sections 2.2 and 3).

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).

⁸ 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.



Actuarial Highlights – RSP Ontario Operational Report August 2020



Ontario RSP Levels that influence⁹ **Recorded** activity by Calendar Month

We track PAY beginning IBNR as **recorded** activity comes out of IBNR. Changes in the PAY beginning IBNR (see upper left of the preceding group of charts) occur for several possible reasons:

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

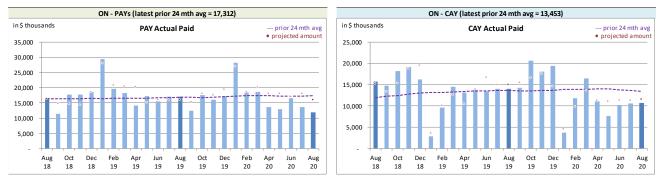
2.1.c AvsP: Paid Indemnity & Allowed Claims Expense

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

⁹Our recorded activity projections for the prior accident years are based on selected ratios of recorded activity to beginning unpaid balances, whereas the current accident year projections are based on selected ratios of year-to-date IBNR to year-to-date selected ultimate (i.e. selected LR x earned premium), deriving year-to-date recorded as selected ultimate less IBNR. In both cases, the ratio selection is based on our review of the more recent recorded activity and recent AvsP analyses.



Ontario RSP Actual Paid activity by Calendar Month

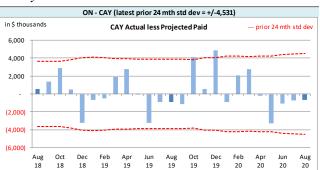


Paid activity variances from the previous month's projections are shown in the following charts, including the "prior 24-month standard deviation" levels to show how the variances from projection compare with historical standard deviations.

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



On Latest \$ thousands							
Paid	PAYs	CAY					
Mthly Avg Paid (prior 24 mths)	17,312	13,453					
std dev	4,143	4,531					
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 **paid** 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 **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 influence¹⁰ Paid activity by Calendar Month

We track the PAY beginning unpaid balance (case and IBNR) as **paid** activity comes out of the unpaid balance. Changes in the PAY beginning unpaid balance (see upper left of the preceding group of charts) occur for several possible reasons:

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

2.2 Actuarial Provisions

An ultimate loss ratio matching method (described in section 3) is used to determine the month's IBNR¹¹, and factors are applied to the nominal unpaid claims liability (case plus IBNR) to determine the discount amount (shown as a negative value to indicate its impact of reducing the liability) and the Provisions for Adverse Deviations. The loss ratios and the factors used to determine the projections and actuals were based on the applicable valuation.

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

¹⁰Our paid projections for the prior accident years are based on selected ratios of paid to beginning unpaid balances, whereas the current accident year projections are based on selected ratios of year-to-date paid to year-to-date selected ultimate indemnity (i.e. selected LR x earned premium). In both cases, the ratio selection is based on our review of the more recent recorded activity and recent AvsP analyses.

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



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

Table 02			actua	arial present v	nents			
		NR	Discount			for Adverse	IBNR + actuarial present	
_	ID		Discount Amount		Devia	ations	value adjustments	
Accident	Actual	Actual less	Actual	Actual less	Actual	Actual less	Actual	Actual less
Year	Actual	Projected	Actual	Projected	Actual	Projected	Actual	Projected
Prior	8,267	(26,374)	(2,926)	4,229	41,696	(7,057)	47,037	(29,202)
2018	37,933	(9,618)	(1,209)	1,461	23,547	(4,409)	60,271	(12,566)
2019	85,422	(11,631)	(1,698)	2,352	34,037	(6,874)	117,761	(16,153)
2020	150,185	(39,949)	(1,754)	3,112	36,706	(8,873)	185,137	(45,710)
TOTAL	281,807	(87,572)	(7,587)	11,154	135,986	(27,213)	410,206	(103,631)

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

The IBNR provision is \$87.6 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, and due to the valuation implementation.

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, and the valuation implementation.



Table 03	Premium D (Deferre Acquisiti	ed Policy	-	esent value ments	Premium Deficiency / (DPAC) including actuarial present value adjustments	
	Actual	Actual less Projected	Actual	Actual less Projected	Actual	Actual less Projected
balance:	8,183	(26,119)	29,091	(1,823)	37,274	(27,942)
balance as % unearned premium:	3.8%	(11.7%)	13.4%	(0.6%)	17.1%	(12.3%)
actual unearned premium:	217,630					

Ontario RSP Actual vs Projected Summary: Premium Deficiency / (DPAC) Amounts (\$ thousands)

earned premium: 217,630 less projected: (3,961)

3 Ultimate Loss Ratio Matching Method

An "ultimate loss ratio matching method" continues to be applied to the current month and two projected months shown in the Operational Reports, with IBNR determined by accident year as follows:

- (a) Earned premium to-date
- (b) Ultimate $loss^{12}$ ratio per latest valuation
- (c) Estimated ultimate incurred = (a) x (b)
- (d) Recorded indemnity & allowed claims expense to-date
- (e) IBNR = (c) (d)

4 Calendar Year-to-Date Results

The following table summarizes the calendar year-to-date results for indemnity & allowed claims expenses¹³, including IBNR.

In calculating the amounts as percentages of earned premium, the calendar year-to-date earned premium has been used, which includes earned premium associated with the current accident year but also earned premium adjustments related to prior accident years. Specifically, the current accident year (CAY) ratio in the table is 96.0% rather than 95.4% (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.)

¹²"Loss" here refers to indemnity and allowed claims expenses, but does not include the claims expense allowance included in member company overall expense allowances ("Expense Allowance" in the Operational Report).

¹³Allowed claims expenses are first party legal and other expenses as listed in the RSP Claims Guide. Claims expenses paid through the member company expense allowance are NOT included in this analysis.

Table 04	YTD Nominal Values		YTD actuarial present value adjustment		YTD T	otal	Change from Prior Month YTD	
	Amount	% EP	Amount	% EP	Amount	% EP	Amount	LR pts
PAYs	(109,979)	(38.1%)	(11,504)	(4.0%)	(121,483)	(42.1%)	(57,833)	(16.9%)
CAY	277,026	96.0%	34,952	12.1%	311,978	108.1%	(7,430)	(18.3%)
TOTAL	167,047	57.9%	23,448	8.1%	190,495	66.0%	(65,263)	(35.2%)
TOTAL	167,047	57.9%	-, -	8.1%	190,495	66.0%	(65,263)	

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

("% 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, and due to the valuation implementation.

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, and due to the valuation implementation.

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



EXHIBIT A

IBNR for Member Sharing – includes Actuarial Present value Adjustments								
TABLE EXHIBIT A			Amount	s in \$000s				
IBNR + M/S actuarial present	Accident	Actual	Actual	Projected	Projected	Projected		
value adjustments	Year	Jul. 2020	Aug. 2020	Sep. 2020	Oct. 2020	Dec. 2020		
	prior	2,518	2,764	2,692	2,613	2,461		
	2001	(235)	123	120	116	110		
	2002	74	(50)	(49)	(46)	(44)		
	2003	16	16	16	15	14		
	2004	149	203	198	191	179		
	2005	129	(43)	(43)	(41)	(39)		
	2006	521	206	201	196	185		
	2007	158	205	199	193	182		
	2008	742	77	76	74	70		
	2009	1,251	356	348	338	318		
	2010	1,831	480	468	452	427		
	2011	1,814	545	528	515	486		
	2012	4,215	454	437	432	408		
	2013	2,732	1,405	1,360	1,331	1,256		
	2014	3,647	2,870	2,781	2,718	2,566		
discount rate	2015	4,698	2,956	2,839	2,809	2,653		
0.29%	2016	10,969	3,267	3,083	3,035	2,888		
	2017	43,008	31,203	30,068	28,743	26,324		
interest rate margin	2018	74,246	60,271	58,016	55,752	51,310		
25 basis pts	2019	138,980	117,761	114,661	111,221	104,855		
	2020	207,850	185,137	199,870	208,363	206,359		
	TOTAL	499,313	410,206	417,869	419,020	402,968		
	Change		(89,107)	7,663	1,151			

IBNR for Member Sharing – includes Actuarial Present Value Adjustments

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



EXHIBIT B

TABLE EXHIBIT B			Amounts in \$000s							
IBNR	Ultimate	Accident	Actual	Actual	Projected	Projected	Projected			
	Loss Ratio	Year	Jul. 2020	Aug. 2020	Sep. 2020	Oct. 2020	Dec. 2020			
	-	prior	(25)	(47)	(47)	(46)	(45)			
	126.2%	2001	(293)	27	27	26	25			
	117.8%	2002	63	(51)	(50)	(47)	(45)			
	90.4%	2003	14	14	14	13	12			
	77.6%	2004	61	98	97	92	86			
	73.4%	2005	116	(43)	(43)	(41)	(39)			
	100.1%	2006	356	28	28	27	26			
	99.9%	2007	2	1	1	1	1			
	120.2%	2008	644	5	5	5	5			
	154.4%	2009	975	69	68	65	61			
	151.2%	2010	1,454	94	93	88	83			
	85.9%	2011	1,172	(155)	(153)	(145)	(137)			
	83.2%	2012	3,280	(363)	(359)	(341)	(321)			
	93.4%	2013	1,076	(398)	(394)	(374)	(351)			
	97.7%	2014	286	(918)	(909)	(864)	(812)			
	108.2%	2015	(623)	(2,485)	(2,460)	(2,337)	(2,198)			
	114.9%	2016	2,205	(3,636)	(3,600)	(3,420)	(3,087)			
	105.3%	2017	24,813	16,027	15,226	14,465	13,055			
	113.7%	2018	48,521	37,933	36,036	34,234	30,896			
	111.7%	2019	101,520	85,422	82,774	79,877	74,691			
	95.4%	2020	172,297	150,185	161,025	165,814	159,641			
		TOTAL	357,914	281,807	287,379	287,092	271,547			
		Change		(76,107)	5,572	(287)				

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



EXHIBIT C

TABLE EXHIBIT C	Amounts in \$000s							
	Actual	Actual	Projected	Projected	Projected			
Premium Liabilities	Jul. 2020	Aug. 2020	Sep. 2020	Oct. 2020	Dec. 2020			
unearned premium (UP)	215,317	217,630	226,362	232,829	244,022			
FOR MEMBER SHARING								
(2) expected future costs ratio {% of (1)}	128.4%	117.1%	119.7%	122.4%	128.4%			
(3) expected future costs {(1) x (2)}	276,499	254,904	270,866	285,069	313,204			
(4) premium deficiency / (deferred policy								
acquisition cost)	61,182	37,274	44,504	52,240	69,182			
Excluding Actuarial Present Value Adjustments								
(5) expected future costs ratio {% of (1)}	114.6%	103.8%	106.0%	108.5%	113.7%			
(6) expected future costs {(1) x (5)}	246,695	225,813	239,951	252,532	277,453			
(7) premium deficiency / (deferred policy								
acquisition cost)	31,378	8,183	13,589	19,703	33,431			



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	1	nominal values			actu	arial present val	ue adjustments	(apvs)		
Acc Yr	Case	IBNR	Total Unpaid	discount	investment PfAD	nominal development PfAD	development PfAD discount	development PfAD	Total apvs	TOTAL
prior	25,466	(45)	25,421	(178)	153	2,549	(18)	2,531	2,506	27,927
2001	846	25	871	(7)	6	87	(1)	86	85	956
2002	56	(45)	11	-	-	1	-	1	1	12
2003	5	12	17	-	-	2	-	2	2	19
2004	874	86	960	(11)	9	96	(1)	95	93	1,053
2005	37	(39)	(2)	-	-	-	-	-	-	(2
2006	1,622	26	1,648	(25)	21	165	(2)	163	159	1,807
2007	1,878	1	1,879	(30)	26	188	(3)	185	181	2,060
2008	663	5	668	(11)	10	67	(1)	66	65	733
2009	2,639	61	2,700	(51)	43	270	(5)	265	257	2,957
2010	3,534	83	3,617	(72)	61	362	(7)	355	344	3,961
2011	6,606	(137)	6,469	(110)	97	647	(11)	636	623	7,092
2012	7,872	(321)	7,551	(113)	98	755	(11)	744	729	8,280
2013	16,950	(351)	16,599	(199)	166	1,660	(20)	1,640	1,607	18,206
2014	35,249	(812)	34,437	(310)	275	3,444	(31)	3,413	3,378	37,815
2015	51,550	(2,198)	49,352	(345)	296	4,935	(35)	4,900	4,851	54,203
2016	63,796	(3,087)	60,709	(364)	304	6,071	(36)	6,035	5,975	66,684
2017	94,707	13,055	107,762	(754)	647	13,470	(94)	13,376	13,269	121,031
2018	107,221	30,896	138,117	(1,105)	967	20,718	(166)	20,552	20,414	158,531
2019	101,263	74,691	175,954	(1,584)	1,408	30,616	(276)	30,340	30,164	206,118
PAYs (sub-total):	522,834	111,906	634,740	(5,269)	4,587	86,103	(718)	85,385	84,703	719,443
CAY (2020)	100,826	159,641	260,467	(2,344)	2,084	47,405	(427)	46,978	46,718	307,185
claims liabilities:	623,660	271,547	895,207	(7,613)	6,671	133,508	(1,145)	132,363	131,421	1,026,628
	Unearned Premium	Premium Deficiency / (DPAC)	Total Provision	discount	investment PfAD	nominal development PfAD	development PfAD discount	development PfAD	Total apvs	TOTAL*
premium liabilities:	244,022	33,431	277,453	(1,939)	1,662	36,282	(254)	36,028	35,751	313,204
						•	Total may not be s	um of parts, as ap	ovs apply to future	costs within UPR
policy liabilities:			1,172,660	(9,552)	8,333	169,790	(1,399)	168,391	167,172	1,339,832



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.

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%	9.9%								
2001	10.0%	10.0%	10.0%	10.0%								
2002	10.0%	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%	9.9%	10.0%								
2015	10.0%	10.0%	9.8%	10.0%								
2016	10.0%	10.0%	9.9%	10.0%								
2017	12.5%	12.5%	12.5%	12.5%								
2018	15.0%	15.0%	14.5%	15.0%								
2019	17.4%	17.5%	14.5%	17.4%								
2020	17.8%	20.0%	6.2%	18.2%								
2021	12.4%	20.0%	5.2%	13.1%								
prem liab	12.4%	20.0%	5.2%	13.1%								

Selected Claims Development MfADs (Jun. 30,

discount rate: 0.29%

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 (0.29%), the prior valuation assumption (0.66%) 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	ial Present Va	lue of Provisio	ons at Various	Discount Rate	es - Dec. 31, 20	20 projected l	Jnpaid
AY	0.00%	0.00%	0.29%	0.79%	1.29%	1.79%	0.66%	1.41%
2002 &								
prior	29,401	29,401	29,356	28,996	28,648	28,304	29,091	28,564
2003	8	8	8	8	7	7	8	7
2004	1,053	1,053	1,051	1,031	1,011	992	1,036	1,007
2005	42	42	42	41	40	40	42	40
2006	1,937	1,937	1,931	1,883	1,836	1,792	1,895	1,825
2007	2,274	2,274	2,266	2,203	2,143	2,086	2,219	2,129
2009	3,231	3,231	3,217	3,114	3,016	2,923	3,141	2,993
2010	4,369	4,369	4,350	4,201	4,061	3,928	4,240	4,028
2011	6,777	6,777	6,752	6,556	6,370	6,194	6,607	6,327
2012	8,216	8,216	8,189	7,981	7,785	7,599	8,035	7,740
2013	15,914	15,914	15,872	15,545	15,236	14,943	15,629	15,163
2014	32,048	32,048	31,986	31,501	31,043	30,606	31,627	30,936
2015	50,104	50,104	50,028	49,441	48,879	48,337	49,589	48,744
2016	66,884	66,884	66,793	66,057	65,350	64,669	66,250	65,186
2017	121,722	121,722	121,525	120,116	118,754	117,428	120,485	118,425
2018	160,436	160,436	160,122	158,060	156,042	154,094	158,595	155,565
2019	204,972	204,972	204,486	201,453	198,484	195,645	202,225	197,795
2020	295,567	295,567	294,853	290,476	286,192	282,102	291,589	285,200
Total	1,005,787	1,005,787	1,003,656	989,467	975,678	962,448	993,114	972,450
	curr - 100 bp	curr - 50 bp	curr val	curr + 50bp	curr + 100bp	curr + 150bp	prior val	prior fyr end
			assumption				assumption	assumption

	Dollar Impact Relative to Valuation Assumption								
AY	0.00%	0.00%	0.29%	0.79%	1.29%	1.79%	0.66%	1.41%	
Total	2,131	2,131	-	(14,189)	(27,978)	(41,208)	(10,542)	(31,206)	
	curr - 100 bp	curr - 50 bp	curr val	curr + 50bp	curr + 100bp	curr + 150bp	prior val	prior fyr end	
			assumption				assumption	assumption	

	Percentage Impact Relative to Valuation Assumption								
AY	0.00%	0.00%	0.29%	0.79%	1.29%	1.79%	0.66%	1.41%	
2002 &									
prior	0.2%	0.2%	-	(1.2%)	(2.4%)	(3.6%)	(0.9%)	(2.7%)	
2003	-	-	-	-	(12.5%)	(12.5%)	-	(12.5%)	
2004	0.2%	0.2%	-	(1.9%)	(3.8%)	(5.6%)	(1.4%)	(4.2%)	
2005	-	-	-	(2.4%)	(4.8%)	(4.8%)	-	(4.8%)	
2006	0.3%	0.3%	-	(2.5%)	(4.9%)	(7.2%)	(1.9%)	(5.5%)	
2007	0.4%	0.4%	-	(2.8%)	(5.4%)	(7.9%)	(2.1%)	(6.0%)	
2009	0.4%	0.4%	-	(3.2%)	(6.2%)	(9.1%)	(2.4%)	(7.0%)	
2010	0.4%	0.4%	-	(3.4%)	(6.6%)	(9.7%)	(2.5%)	(7.4%)	
2011	0.4%	0.4%	-	(2.9%)	(5.7%)	(8.3%)	(2.1%)	(6.3%)	
2012	0.3%	0.3%	-	(2.5%)	(4.9%)	(7.2%)	(1.9%)	(5.5%)	
2013	0.3%	0.3%	-	(2.1%)	(4.0%)	(5.9%)	(1.5%)	(4.5%)	
2014	0.2%	0.2%	-	(1.5%)	(2.9%)	(4.3%)	(1.1%)	(3.3%)	
2015	0.2%	0.2%		(1.2%)	(2.3%)	(3.4%)	(0.9%)	<u>(2.6%)</u>	
2016	0.1%	0.1%	-	(1.1%)	(2.2%)	(3.2%)	(0.8%)	(2.4%)	
2017	0.2%	0.2%		(1.2%)	(2.3%)	(3.4%)	(0.9%)	<u>(2.6%)</u>	
2018	0.2%	0.2%	-	(1.3%)	(2.5%)	(3.8%)	(1.0%)	(2.8%)	
2019	0.2%	0.2%	-	(1.5%)	(2.9%)	(4.3%)	(1.1%)	(3.3%)	
2020	0.2%	0.2%	-	(1.5%)	(2.9%)	(4.3%)	(1.1%)	(3.3%)	
Total	0.2%	0.2%	-	(1.4%)	(2.8%)	(4.1%)	(1.1%)	(3.1%)	
	curr - 100 bp	curr - 50 bp	curr val	curr + 50bp	curr + 100bp	curr + 150bp	prior val	prior fyr end	
			assumption				assumption	assumption	



EXHIBIT G

Page 1 of 2

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

RSP Ontario M/S IBNR - in \$0009											
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	2,518	(60)	34	272	246	9.8%	2,764				
2001	(235)	11	(11)	358	358	(152.3%)	123				
2002	74	(3)	3	(124)	(124)	(167.6%)	(50)				
2003	16	(1)	1	-	-	-	16				
2004	149	(5)	42	17	54	36.2%	203				
2005	129	(6)	6	(172)	(172)	(133.3%)	(43)				
2006	521	(19)	18	(314)	(315)	(60.5%)	206				
2007	158	(5)	3	49	47	29.7%	205				
2008	742	(31)	35	(669)	(665)	(89.6%)	77				
2009	1,251	(51)	34	(878)	(895)	(71.5%)	356				
2010	1,831	(77)	138	(1,412)	(1,351)	(73.8%)	480				
2011	1,814	(69)	(156)	(1,044)	(1,269)	(70.0%)	545				
2012	4,215	(172)	148	(3,737)	(3,761)	(89.2%)	454				
2013	2,732	(87)	91	(1,331)	(1,327)	(48.6%)	1,405				
2014	3,647	(91)	(607)	(79)	(777)	(21.3%)	2,870				
2015	4,698	(94)	84	(1,732)	(1,742)	(37.1%)	2,956				
2016	10,969	(359)	(541)	(6,802)	(7,702)	(70.2%)	3,267				
2017	43,008	(879)	(1,034)	(9,892)	(11,805)	(27.4%)	31,203				
2018	74,246	(1,409)	(2,828)	(9,738)	(13,975)	(18.8%)	60,271				
2019	138,980	(5,066)	2,536	(18,689)	(21,219)	(15.3%)	117,761				
2020	207,850	22,997	7,202	(52,912)	(22,713)	(10.9%)	185,137				
Grand Total	499,313	14,524	5,198	(108,829)	(89,107)	(17.8%)	410,206				



EXHIBIT G

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

RSP AccountCode Desc	Ontario IBNR - Undiscoun	ted					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	(25)	-	(22)	-	(22)	88.0%	(47)					
2001	(293)	13	(13)	320	320	(109.2%)	27					
2002	63	(3)	3	(114)	(114)	(181.0%)	(51)					
2003	14	(1)	1	-	-	-	14					
2004	61	(3)	40	-	37	60.7%	98					
2005	116	(5)	5	(159)	(159)	(137.1%)	(43)					
2006	356	(16)	16	(328)	(328)	(92.1%)	28					
2007	2	-	(1)	-	(1)	(50.0%)	1					
2008	644	(30)	34	(643)	(639)	(99.2%)	5					
2009	975	(45)	35	(896)	(906)	(92.9%)	69					
2010	1,454	(67)	129	(1,422)	(1,360)	(93.5%)	94					
2011	1,172	(54)	(152)	(1,121)	(1,327)	(113.2%)	(155)					
2012	3,280	(151)	132	(3,624)	(3,643)	(111.1%)	(363)					
2013	1,076	(49)	72	(1,497)	(1,474)	(137.0%)	(398)					
2014	286	(13)	(649)	(542)	(1,204)	(421.0%)	(918)					
2015	(623)	29	210	(2,101)	(1,862)	298.9%	(2,485)					
2016	2,205	(44)	(683)	(5,114)	(5,841)	(264.9%)	(3,636)					
2017	24,813	(496)	(1,181)	(7,109)	(8,786)	(35.4%)	16,027					
2018	48,521	(970)	(2,952)	(6,666)	(10,588)	(21.8%)	37,933					
2019	101,520	(4,467)	2,487	(14,118)	(16,098)	(15.9%)	85,422					
2020	172,297	17,837	7,384	(47,333)	(22,112)	(12.8%)	150,185					
Grand Total	357,914	11,465	4,895	(92,467)	(76,107)	(21.3%)	281,807					