PF.3 STATEMENT OF CHANGES IN EQUITY

2017 GRA	- 2.0% Rate Change							
(C\$ 000s,	except where noted)		For the	e Years Ende	d February,			
		2016A	2017B	2018F	2019F	2020F	2021F	
BASIC								
Retained I	Earnings							
Beginn	ing Balance	177,817	194,497	181,103	180,297	188,308	194,479	
Net Inc	come (Loss) from annual operations	(56,050)	(13,394)	(806)	8,011	6,171	6,323	
Premiu	m Rebate	-	-	-	-	-	-	
Transfe	er (to) / from Non-Basic Retained							
Earning	gs	72,729	-	-		-	-	
Total Reta	ined Earnings	194,496	181,103	180,297	188,308	194,479	200,801	
Retained I	Earnings							
DCAT	Equity Reserve	194,496	181,103	180,297	182,922	174,687	166,411<u>2</u>	_
Excess	s Retained Earnings	-	-	-	5,386	19,792	34,390	
Total Reta	ined Earnings	194,496	181,103	180,297	188,308	194,479	200,801	
Total Accu Income	umulated Other Comprehensive							
Beginn	ing Balance	35,262	36,504	36,025	40,191	48,078	56,313	
Other (Comprehensive Income for the Year	1,242	(479)	4,166	7,887	8,235	8,276	
Total Accu	umulated Other Comprehensive							
Income		36,504	36,025	40,191	48,078	56,313	64,589	
Total Equity Balance		231,000	217,128	220,488	236,386	250,792	265,390	
RESERVE	TARGETS							
	DCAT Total Equity Target	231.000	181.000	181.000	181.000	181.000	181.000	
	MCT Total Equity Target	366.000	404.000	404.000	404.000	404.000	404.000	
				,			,	

Comment [A1]:

2019F: 188,308 **2020F:** 194,479 **2021F:** 200,801

Page 5



Manitoba Public Insurance

PF.4 STATEMENT OF OPERATIONS 2015/16 COMPARATIVE

(C\$ 000s, except	where noted)	2016 GRA 2016B	2017 GRA 2016A	Inc (dec)	Ref.	Increase / (Decrease)
		\$	\$	\$		%
Net Pr	remiums Written	054.000	054 470	(400)		(0.00)
Mot	tor Vehicles	854,303	854,170	(133)		(0.02)
Driv	/ers	48,269	46,618	(1,650)		(3.42)
Keil		(12,396)	(12,423)	(27)	(4)	0.22
l otal l	Net Premiums Written	890,176	888,365	(1,810)	(1)	(0.20)
Net Pr	remiums Earned					
Mot	or Vehicles	828,135	827,701	(434)		(0.05)
Driv	vers	46,782	45,787	(995)		(2.13)
Reir	nsurance Ceded	(12,396)	(12,423)	(27)		0.22
Total I	Net Premiums Earned	862,521	861,065	(1,456)		(0.17)
Ser	vice Fees & Other Revenues	20,922	20,351	(571)		(2.73)
Total I	Earned Revenues	883,443	881,416	(2,027)		(0.23)
Net Cl	aims Incurred	690 835	742 664	51 829		7 50
(a) Cla	aims incurred – Interest rate impact	(101 935)	(75,300)	26 635		26.13
Total (Claims Incurred	588,900	666,404	77.504	(2)	13 16
		000,000	000,404	11,004	(-)	10.10
Clai	ms Expense	121,045	118,614	(2,431)	(4)	(2.01)
Roa	d Safety/Loss Prevention	11,496	13,027	1,531	(4)	13.32
Total	Claims Costs	721,441	798,045	76,604		10.62
Expen	ISES					
Ope	erating	71.401	71.641	240	(4)	0.34
Con	nmissions	35,405	33,862	(1.543)	(-)	(4.36)
Pre	mium Taxes	26,247	26,205	(42)		(0.16)
Rec	gulatory/Appeal	3,154	3,675	521	(4)	16.52
Total I	Expenses	136,207	135,383	(824)	.,	(0.60)
Under	writing Income (Loss)	25.795	(52.012)	(77.807)		(301.64)
						(,
Investr	ment Income	74,971	48,477	(26,494)		(35.34)
(b) Inv	estment Income – Interest rate impact	(85,801)	(52,515)	33,286	(*)	38.79
Total I	Investment Income	(10,830)	(4,038)	6,792	(3)	(62.71)
Net In	come (Loss) from Operations	14,965	(56,050)	(71,015)		(474.54)
ΔIIc	ocated Corporate Expenses					
Clai	ims Expense	121 045	118 614	(2 431)		(2 01)
Roa	ad Safety/Loss Prevention	11,496	13.027	1.531		13.32
Ope	erating	71,401	71.641	240		0.34
Rec	aulatory/Appeal	3,154	3.675	521		16.52
Tot	al Allocated Corporate Expenses	207,096	206,957	(139)		(0.07)
Alle	ocated Cornorate Expenses					
Nor	mal Operations	197 059	202 370	5 312	(4)	2 70
Initia	atives Implementation	6 801	3 117	(3 685)	(4)	(54 18)
Initia	atives Ongoing	3 236	1 470	(1 766)	(4)	(54 56)
Tot	al Allocated Corporate Expenses	207,095	206,957	(139)	(')	(0.07)
						. ,
*Total	net positive impact due to interest rates	16,134	22,785	6,651		41.22
(b) – ((a)	.,	, , , , ,	-,		



Manitoba Public Insurance

PF.3 STATEMENT OF CHANGES IN EQUITY

2017 GRA - 2.0% Rate Change

(C\$ 000s, except where noted)	For the Years Ended February,							
	<u>2016A</u>	<u>2017B</u>	<u>2018F</u>	<u>2019F</u>	<u>2020F</u>	<u>2021F</u>		
BASIC								
Retained Earnings								
Beginning Balance	177,817	194,497	181,103	180,297	188,308	194,479		
Net Income (Loss) from annual operations	(56,050)	(13,394)	(806)	8,011	6,171	6,323		
Premium Rebate	-	-	-	-	-	-		
Transfer (to) / from Non-Basic Retained								
Earnings	72,729	-	-	-	-	-		
Total Retained Earnings	194,496	181,103	180,297	188,308	194,479	200,801		
Retained Earnings								
Equity Reserve	194,496	181,103	180,297	188,308	194,479	200,801		
Excesss Retained Earnings	-	-	-	-	-	-		
Total Retained Earnings	194,496	181,103	180,297	188,308	194,479	200,801		
Total Accumulated Other Comprehensive Income								
Beginning Balance	35,262	36,504	36,025	40,191	48,078	56,313		
Other Comprehensive Income for the Year Total Accumulated Other Comprehensive	1,242	(479)	4,166	7,887	8,235	8,276		
Income	36,504	36,025	40,191	48,078	56,313	64,589		
Total Equity Balance	231,000	217,128	220,488	236,386	250,792	265,390		
RESERVE TARGETS								
DCAT Total Equity Target	231,000	181,000	181,000	181,000	181,000	181,000		
MCT Total Equity Target	366,000	404,000	404,000	404,000	404,000	404,000		



PF.4 STATEMENT OF OPERATIONS 2015/16 COMPARATIVE

(C\$ 000s, except where noted)	2016 GRA 2016B	2017 GRA 2016A	Inc (dec)	Ref.	Increase / (Decrease)
	\$	\$	\$		%
Net Premiums Written	054 000	054 470	(400)		(0,00)
Motor Venicles	854,303	854,170	(133)		(0.02)
Drivers Deingurgenge Coded	40,209	40,010	(1,000)		(3.42)
Total Nat Dramiuma Written	(12,390)	(12,423)	(27)	(1)	(0.22
i otal net Premiums written	890,176	888,300	(1,810)	(1)	(0.20)
Net Premiums Earned					
Motor Vehicles	828,135	827,701	(434)		(0.05)
Drivers	46,782	45,787	(995)		(2.13)
Reinsurance Ceded	(12,396)	(12,423)	(27)		0.22
Total Net Premiums Earned	862,521	861,065	(1,456)		(0.17)
Service Fees & Other Revenues	20,922	20,351	(571)		(2.73)
Total Earned Revenues	883,443	881,416	(2,027)		(0.23)
Net Claims Incurred	690 835	742 664	51 829		7.50
(a) Claims Incurred – Interest rate impact	(101,935)	(75.300)	26.635		26.13
Total Claims Incurred	588.900	666.404	77,504	(2)	13.16
		,	,	(-)	
Claims Expense	121,045	118,614	(2,431)	(4)	(2.01)
Road Safety/Loss Prevention	11,496	13,027	1,531	(4)	13.32
Total Claims Costs	721,441	798,045	76,604		10.62
Expenses					
Operating	71,401	71,641	240	(4)	0.34
Commissions	35,405	33,862	(1,543)	()	(4.36)
Premium Taxes	26,247	26,205	(42)		(0.16)
Regulatory/Appeal	3,154	3,675	521	(4)	16.52
Total Expenses	136,207	135,383	(824)		(0.60)
Underwriting Income (Loss)	25,795	(52,012)	(77,807)		(301.64)
Investment Income	74 971	48 477	(26 494)		(35,34)
(b) Investment Income – Interest rate impact	(85,801)	(52,515)	33,286		38.79
Total Investment Income	(10,830)	(4,038)	6,792	(3)	(62.71)
Net Income (Loss) from Operations	1/ 965	(56.050)	(71.015)		(171 51)
	14,000	(00,000)	(11,010)		(+/+.0+)
Allocated Corporate Expenses			(0.404)		(0.04)
Claims Expense	121,045	118,614	(2,431)		(2.01)
Road Safety/Loss Prevention	11,496	13,027	1,531		13.32
Operating Demoleters (Annes)	71,401	/1,641	240		0.34
Regulatory/Appeal	3,154	3,675	521		16.52
Total Allocated Corporate Expenses	207,096	206,957	(139)		(0.07)
Allocated Corporate Expenses					
Normal Operations	197,059	202,370	5,312	(4)	2.70
Initiatives Implementation	6,801	3,117	(3,685)	(4)	(54.18)
Initiatives Ongoing	3,236	1,470	(1,766)	(4)	(54.56)
Total Allocated Corporate Expenses	207,095	206,957	(139)		(0.07)
*Total net positive impact due to interest rates (b) – (a)	16,134	22,785	6,651		41.22



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This Year's Forecast and Comparison to Last Year's Forecast

The table below provides a comparison of this year's forecast to last year's forecast.

Upgrade Forecast Comparison

		Vehicle Upgrad	le		DSR Upgrade	
Year	This Year	Last Year	Difference	This Year	Last Year	Difference
2015/16 (a)	2.54% (a)	2.60%	-0.06%	-0.16% (a)	-0.20%	0.04%
2016/17	2.60%	2.60%	0.00%	0.08%	0.10%	-0.02%
2017/18	2.60%	2.60%	0.00%	0.22%	0.24%	-0.02%
2018/19	2.60%	2.60%	0.00%	0.11%	0.13%	-0.02%
2019/20	2.60%	2.60%	0.00%	0.18%	0.18%	0.00%
2020/21	2.60%			0.19%		

The vehicle upgrade factor is forecasted at 2.60% for the entire forecast period, which is the same forecast used last year. The forecast is supported by the latest three year average.

The DSR upgrade factor is forecasted based on the DSR simulation model (described in section <u>*REV.2*</u>). Driver movement on the DSR scale has largely stabilized, which has resulted in a more consistent DSR upgrade forecast over the past couple years.

REV.1.3 Net Fleet Rebates

Net Fleet Rebates Attributed to Basic Only Forecast (\$000)

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Net Fleet Rebates	(14,330)	(14,959)	(15,618)	(16,301)	(17,016)

Description

Customers are deemed to be a fleet owner when they have ten or more vehicles registered on the first day of any customer month. Fleet premiums are determined on a retrospective basis on the actual loss experience of the fleet in the policy year. The loss experience is the ratio between all losses paid <u>incurred</u> by the Corporation and fleet premiums. Claims are included according to the degree of responsibility with the exception of comprehensive claims, which are fully included in the loss ratio calculation. The current maximum amount used for any individual loss is \$25,000.



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At the end of their experience period, fleet owners will receive either a rebate, a surcharge, or have no change in premiums from the base premiums paid at the start of the policy year.

Rebates and surcharges will vary depending on the loss ratio. For the 2017/18 policy
year, the maximum rebate is 33% of fleet premiums and the maximum surcharge is
50% of fleet premiums. These percentages were chosen to reflect a fleet program
break-even loss ratio of 80% to 85%. *Volume I Application Rate Table (ART)* 5 shows
the fleet rebate and surcharge scale. Further information on the fleet program can be
found in *Volume III AI.4 Vehicle Classification System*.

13 Forecast Methodology

Fleet premiums are assumed to grow based on (i) the overall rate change for all vehicles, (ii) the HTA volume factor, and (iii) the vehicle (HTA) upgrade factor (see sections <u>REV.1.1 Volume</u> and <u>REV.1.2 Upgrade</u>).

The percentage of rebates and surcharges are forecasted based on the historical experience of the fleet program. In the 2012/13 policy year the fleet scale was changed to include rebates from a maximum 25% up to 33%. To account for this change the Corporation restated the historical results based on the current scale.

Historical Results

The table below shows the historical results for the fleet program, on a corporate basis, under the previous and current fleet scale. The figures in bold represent the actual fleet results. The remaining figures represent historical data that was adjusted to reflect the current fleet scale. Note: Since fleets are rated on a retrospective basis, the net fleet rebates are not calculated until after the policy year. For example, fiscal year 2015/16 (shown in the table below) represents the net fleet premiums from the 2014/15 policy year.



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This Year's Forecast and Comparison to Last Year's Forecast

The table below provides a comparison of this year's forecast to last year's forecast.

Upgrade Forecast Comparison

	,	/ehicle Upgrad	le		DSR Upgrade	
Year	This Year	Last Year	Difference	This Year	Last Year	Difference
2015/16 (a)	2.54% (a)	2.60%	-0.06%	-0.16% (a)	-0.20%	0.04%
2016/17	2.60%	2.60%	0.00%	0.08%	0.10%	-0.02%
2017/18	2.60%	2.60%	0.00%	0.22%	0.24%	-0.02%
2018/19	2.60%	2.60%	0.00%	0.11%	0.13%	-0.02%
2019/20	2.60%	2.60%	0.00%	0.18%	0.18%	0.00%
2020/21	2.60%			0.19%		

The vehicle upgrade factor is forecasted at 2.60% for the entire forecast period, which is the same forecast used last year. The forecast is supported by the latest three year average.

The DSR upgrade factor is forecasted based on the DSR simulation model (described in section <u>*REV.2*</u>). Driver movement on the DSR scale has largely stabilized, which has resulted in a more consistent DSR upgrade forecast over the past couple years.

REV.1.3 Net Fleet Rebates

Net Fleet Rebates Attributed to Basic Only Forecast (\$000)

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/21
Net Fleet Rebates	(14,330)	(14,959)	(15,618)	(16,301)	(17,016)

Description

Customers are deemed to be a fleet owner when they have ten or more vehicles registered on the first day of any customer month. Fleet premiums are determined on a retrospective basis on the actual loss experience of the fleet in the policy year. The loss experience is the ratio between all losses incurred by the Corporation and fleet premiums. Claims are included according to the degree of responsibility with the exception of comprehensive claims, which are fully included in the loss ratio calculation. The current maximum amount used for any individual loss is \$25,000.



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At the end of their experience period, fleet owners will receive either a rebate, a surcharge, or have no change in premiums from the base premiums paid at the start of the policy year.

Rebates and surcharges will vary depending on the loss ratio. For the 2017/18 policy
year, the maximum rebate is 33% of fleet premiums and the maximum surcharge is
50% of fleet premiums. These percentages were chosen to reflect a fleet program
break-even loss ratio of 80% to 85%. *Volume I Application Rate Table (ART)* 5 shows
the fleet rebate and surcharge scale. Further information on the fleet program can be
found in *Volume III AI.4 Vehicle Classification System*.

13 Forecast Methodology

Fleet premiums are assumed to grow based on (i) the overall rate change for all vehicles, (ii) the HTA volume factor, and (iii) the vehicle (HTA) upgrade factor (see sections <u>REV.1.1 Volume</u> and <u>REV.1.2 Upgrade</u>).

The percentage of rebates and surcharges are forecasted based on the historical experience of the fleet program. In the 2012/13 policy year the fleet scale was changed to include rebates from a maximum 25% up to 33%. To account for this change the Corporation restated the historical results based on the current scale.

Historical Results

The table below shows the historical results for the fleet program, on a corporate basis, under the previous and current fleet scale. The figures in bold represent the actual fleet results. The remaining figures represent historical data that was adjusted to reflect the current fleet scale. Note: Since fleets are rated on a retrospective basis, the net fleet rebates are not calculated until after the policy year. For example, fiscal year 2015/16 (shown in the table below) represents the net fleet premiums from the 2014/15 policy year.



August 5, 2016

The historical PIPP enhancement ultimate loss estimates remained relatively unchanged from last year apart from the addition of the Caregiver Death Benefit enhancement.

Although the year-to-year changes in PIPP enhancement ultimate losses are highly variable, the long term trend appears to be relatively flat. The 2016/17 ultimate losses were selected 5 based on the 10 year average. For 2017/18 and thereafter, the ultimate losses were 6 assumed to grow at 0%.

Fiscal Year Claims Incurred Forecast 9

The table below shows the historical and projected fiscal year claims incurred for PIPP 10 Enhancements. The reported incurreds, which are calculated in *Table 3 of each exhibit*, are 11 based on the projected ultimate losses and the incurred development assumptions. The 12 change in IBNR, which is shown in *Table 8 of each exhibit*, is based on the projected 13 ultimate losses, assumed paid development factors, claims liability discount rates, and 14 provisions for adverse deviation. The change in IBNR is shown with and without the impact 15 of changing interest rates in the table below. Historical interest rate impact figures by 16 coverage are not available prior to 2013/14. 17

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PIPP Enhancements Claims Incurre	1 (\$000)
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	Change in IBNR							
Fiscal Year	Reported	Interest Rate Impact	Interest Rate Margin Change	All Other Changes	Total Change in IBNR	Claims Incurred	Last Year's Forecast	Variance to Forecast
2011/12	20,278	n/a	0	n/a	(6,371)	13,907	13,907	0
2012/13	7,050	n/a	0	n/a	(14,720)	(7,670)	(7,670)	0
2013/14	5,623	(2,330)	0	(6,584)	(8,915)	(3,292)	(3,292)	0
2014/15	4,905	12,477	0	(7,393)	5,084	9,989	9,989	0
2015/16	4,264	(6,607)	(3,285)	1,350	(8,542)	(4,278)	(7,380)	3,103
			Fore	ecast/Projec	tions			
2016/17	9,466	(5,737)	0	565	(5,172)	4,294	2,396	1,899
2017/18	9,936	(6,071)	0	1,602	(4,468)	5,468	1,152	4,316
2018/19	10,503	(7,107)	0	1,070	(6,038)	4,465	7,808	(3,343)
2019/20	10,738	(898)	0	867	(31)	10,706	7,919	2,788
2020/21	10,995	(243)	0	914	672	11,666		



The 2015/16 PIPP Enhancements claims incurred was over budget by \$2.6 \$3,103,000 1 million as a result of lower than expected interest rates offset by a lower reported. 2 3 The reported incurred forecast in 2016/17 increases significantly as the development 4 assumptions assume that a large percentage of the current IBNR for PIPP Enhancements 5 will be reported. Thereafter, the reported incurred is more reflective of the ultimate forecast 6 and assumed loss development factors. 7 8 Over the forecast period, the PIPP Enhancement net claims incurred forecast is significantly 9 impacted as a result of the assumed increase in the claims liability discount rate. Excluding 10 the new Caregiver Death Benefit and interest rate impacts, the 2017/18 net claims incurred 11 is \$8.5 million or 3.7% higher than last year's forecast of \$8.2 million. 12



The historical PIPP enhancement ultimate loss estimates remained relatively unchanged from last year apart from the addition of the Caregiver Death Benefit enhancement.

Although the year-to-year changes in PIPP enhancement ultimate losses are highly variable, the long term trend appears to be relatively flat. The 2016/17 ultimate losses were selected based on the 10 year average. For 2017/18 and thereafter, the ultimate losses were assumed to grow at 0%.

9 Fiscal Year Claims Incurred Forecast

The table below shows the historical and projected fiscal year claims incurred for PIPP 10 Enhancements. The reported incurreds, which are calculated in *Table 3 of each exhibit*, are 11 based on the projected ultimate losses and the incurred development assumptions. The 12 change in IBNR, which is shown in *Table 8 of each exhibit*, is based on the projected 13 ultimate losses, assumed paid development factors, claims liability discount rates, and 14 provisions for adverse deviation. The change in IBNR is shown with and without the impact 15 of changing interest rates in the table below. Historical interest rate impact figures by 16 coverage are not available prior to 2013/14. 17

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PIPP Enhancements C	laims Incurred	(\$000)
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			Change in IBNR					
Fiscal Year	Reported	Interest Rate Impact	Interest Rate Margin Change	All Other Changes	Total Change in IBNR	Claims Incurred	Last Year's Forecast	Variance to Forecast
2011/12	20,278	n/a	0	n/a	(6,371)	13,907	13,907	0
2012/13	7,050	n/a	0	n/a	(14,720)	(7,670)	(7,670)	0
2013/14	5,623	(2,330)	0	(6,584)	(8,915)	(3,292)	(3,292)	0
2014/15	4,905	12,477	0	(7,393)	5,084	9,989	9,989	0
2015/16	4,264	(6,607)	(3,285)	1,350	(8,542)	(4,278)	(7,380)	3,103
			Fore	ecast/Projec	tions			
2016/17	9,466	(5,737)	0	565	(5,172)	4,294	2,396	1,899
2017/18	9,936	(6,071)	0	1,602	(4,468)	5,468	1,152	4,316
2018/19	10,503	(7,107)	0	1,070	(6,038)	4,465	7,808	(3,343)
2019/20	10,738	(898)	0	867	(31)	10,706	7,919	2,788
2020/21	10,995	(243)	0	914	672	11,666		



The 2015/16 PIPP Enhancements claims incurred was over budget by \$3,103,000 as a 1 result of lower than expected interest rates offset by a lower reported. 2 3 The reported incurred forecast in 2016/17 increases significantly as the development 4 assumptions assume that a large percentage of the current IBNR for PIPP Enhancements 5 will be reported. Thereafter, the reported incurred is more reflective of the ultimate forecast 6 and assumed loss development factors. 7 8 Over the forecast period, the PIPP Enhancement net claims incurred forecast is significantly 9 impacted as a result of the assumed increase in the claims liability discount rate. Excluding 10 the new Caregiver Death Benefit and interest rate impacts, the 2017/18 net claims incurred 11 is \$8.5 million or 3.7% higher than last year's forecast of \$8.2 million. 12



CI.6 COMPREHENSIVE

Claims Incurred (\$000) Fiscal Year 2016/17 2017/18 2018/19 2019/20 2020/21 Total Comprehensive \$84,789 \$89,224 \$93,194 \$97,447 \$101,907

3 Description

Comprehensive provides coverage for damages to the insured's vehicle not covered under Collision coverage (e.g. hail, theft, vandalism, glass, etc).

There are many different perils under Comprehensive coverage. Peril-by-peril forecasts are not provided in this document.

10 Comprehensive Frequency

11 The table below shows the historical ultimate comprehensive frequency per HTA unit by 12 claim type.

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Ultimate Comprehensive Frequency per HTA Unit by Claim Type

Accident Year	Repair Frequency	% Change	Total Loss Frequency	% Change	Total Frequency	% Change
2006/07	0.081	8.50%	0.013	-5.90%	0.094	6.23%
2007/08	0.071	-12.07%	0.017	28.54%	0.088	-6.41%
2008/09	0.052	-26.41%	0.006	-61.85%	0.059	-33.20%
2009/10	0.064	23.12%	0.010	61.87%	0.075	27.36%
2010/11	0.062	-3.69%	0.009	-11.45%	0.071	-4.77%
2011/12	0.061	-1.43%	0.009	-5.53%	0.070	-1.96%
2012/13	0.063	2.66%	0.008	-13.41%	0.070	0.66%
2013/14	0.059	-6.14%	0.007	-1.25%	0.066	-5.62%
2014/15	0.058	-0.71%	0.007	-8.51%	0.065	-1.59%
2015/16	0.074	26.08%	0.012	76.46%	0.086	31.33%
		S	Straight Averag	e		
3-year	0.064	6.41%	0.009	22.23%	0.072	8.04%
5-year	0.063	4.09%	0.008	9.55%	0.071	4.57%
10-year	0.064	0.99%	0.010	5.90%	0.074	1.20%
		E	xponential Trer	nd		
5-year	0.069	3.09%	0.010	5.58%	0.079	3.43%
7-year	0.065	0.90%	0.008	-1.17%	0.073	0.66%
All-year	0.058	-1.90%	0.008	-3.89%	0.066	-2.16%



The 2015/16 accident year resulted in the highest comprehensive frequency since the 1 2007/08 year. As shown in the table below, the additional frequency was caused mainly by a poor hail year; however, crime related claims (e.g. vandalism claims) and glass only claims also increased over the previous year. The Corporation believes that the increase in glass claims is at least partially correlated to the higher amount of storm activity in 2015/16, which is not expected to continue.

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Accident Year	Hail	% Change	Crime Related Perils	% Change	Glass	% Change	Other	% Change
2006/07	0.007	-1.62%	0.046	10.30%	0.023	9.25%	0.007	-26.39%
2007/08	0.025	268.23%	0.032	-31.07%	0.024	3.52%	0.007	-4.03%
2008/09	0.002	-91.04%	0.021	-33.77%	0.028	16.11%	0.007	6.07%
2009/10	0.014	540.63%	0.020	-6.55%	0.033	18.40%	0.008	2.62%
2010/11	0.009	-34.99%	0.017	-13.13%	0.034	4.08%	0.010	34.86%
2011/12	0.010	3.71%	0.014	-20.16%	0.037	9.12%	0.009	-13.78%
2012/13	0.009	-2.47%	0.013	-5.76%	0.038	1.66%	0.010	9.63%
2013/14	0.008	-14.21%	0.011	-15.94%	0.038	-0.36%	0.009	-5.89%
2014/15	0.004	-51.56%	0.011	-2.27%	0.040	5.02%	0.010	11.38%
2015/16	0.015	273.76%	0.012	11.51%	0.046	15.26%	0.012	16.30%

Ultimate Comprehensive Frequency per HTA Unit by Comprehensive Peril Category

For forecasting purposes, the Corporation has assumed that the claim frequency for glass 8 claims will continue to increase, while the number of claims for all other Comprehensive 9 coverages will remain flat (i.e. declining frequency per unit). This assumption is supported 10 by the following graph.





CI.6 COMPREHENSIVE

Fiscal Year	2016/17	2017/18	2018/19	2019/20	2020/2
Total Comprehensive	\$84,789	\$89,224	\$93,194	\$97,447	\$101,90

Comprehensive provides coverage for damages to the insured's vehicle not covered under Collision coverage (e.g. hail, theft, vandalism, glass, etc).

There are many different perils under Comprehensive coverage.

9 Comprehensive Frequency

The table below shows the historical ultimate comprehensive frequency per HTA unit by claim type.

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Ultimate Comprehensive Frequency per HTA Unit by Claim Type

Accident Year	Repair Frequency	% Change	Total Loss Frequency	% Change	Total Frequency	% Change
2006/07	0.081	8.50%	0.013	-5.90%	0.094	6.23%
2007/08	0.071	-12.07%	0.017	28.54%	0.088	-6.41%
2008/09	0.052	-26.41%	0.006	-61.85%	0.059	-33.20%
2009/10	0.064	23.12%	0.010	61.87%	0.075	27.36%
2010/11	0.062	-3.69%	0.009	-11.45%	0.071	-4.77%
2011/12	0.061	-1.43%	0.009	-5.53%	0.070	-1.96%
2012/13	0.063	2.66%	0.008	-13.41%	0.070	0.66%
2013/14	0.059	-6.14%	0.007	-1.25%	0.066	-5.62%
2014/15	0.058	-0.71%	0.007	-8.51%	0.065	-1.59%
2015/16	0.074	26.08%	0.012	76.46%	0.086	31.33%
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3-year	0.064	6.41%	0.009	22.23%	0.072	8.04%
5-year	0.063	4.09%	0.008	9.55%	0.071	4.57%
10-year	0.064	0.99%	0.010	5.90%	0.074	1.20%
	Exponential Trend					
5-year	0.069	3.09%	0.010	5.58%	0.079	3.43%
7-year	0.065	0.90%	0.008	-1.17%	0.073	0.66%
All-year	0.058	-1.90%	0.008	-3.89%	0.066	-2.16%



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2011/12	0.010	3.71%	0.014	-20.16%	0.037	9.12%	0.009	-13.78%
2012/13	0.009	-2.47%	0.013	-5.76%	0.038	1.66%	0.010	9.63%
2013/14	0.008	-14.21%	0.011	-15.94%	0.038	-0.36%	0.009	-5.89%
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Ultimate Comprehensive Frequency per HTA Unit by Comprehensive Peril Category

2015/16, which is not expected to continue.

The 2015/16 accident year resulted in the highest comprehensive frequency since the

a poor hail year; however, crime related claims (e.g. vandalism claims) and glass only

glass claims is at least partially correlated to the higher amount of storm activity in

2007/08 year. As shown in the table below, the additional frequency was caused mainly by

claims also increased over the previous year. The Corporation believes that the increase in

For forecasting purposes, the Corporation has assumed that the claim frequency for glass 8 claims will continue to increase, while the <u>number</u> of claims for all other Comprehensive 9 coverages will remain flat (i.e. declining frequency per unit). This assumption is supported 10 by the following graph.

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1	RSR.1	Rate Stabilization Reserve (RSR)
2		
3	RSR.1.1	Application and the Corporation's Position on the
4		RSR
5		
6	RSR.1.1.1	Application
7		
8	1. That the	Board approve a minimum (lower) RSR target of \$181 million in Total
9	Equity ba	ased on the results of the 2016 DCAT report.
10		
11	2. That the	Board approve a maximum (upper) RSR target of \$404 million based on
12	a project	ted Minimum Capital Test (MCT) ratio of 100% as of the start of the
13	2017/18	fiscal year.
14	- , -	
15	RSR.1.1.2	Purpose of the RSR
16	-	
17	The current	purpose of the RSR is:
18		
19	To pr	rotect motorists from rate increases made necessary by
20	unex	pected events and losses arising from non-recurring events or
21	facto	rs
22		
23	In Order 128	8/15 the Board made the following order:
24		
25	<i>``10.1</i>	15 MPI file with next year's GRA a proposed, revised definition of
26	the R	RSR″
27		
28	The Corpora	ition is proposing the following revised purpose (i.e. definition) of the
29	RSR:	
30	To pr	rotect motorists from rate increases <u>that would otherwise have</u>
31	been	made necessary due to unexpected by variances from forecasted
32	resul	<i>ts and <mark>by unexpected</mark> <u>due to</u> events and losses arising from non-</i>
33	recur	ring events or factors



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The revised RSR purpose reflects how the RSR has historically been used in practice. 1 As described in the following sections, the Corporation determines the minimum RSR 2 target based on a 1-in-40 year adverse event using the Dynamic Capital Adequacy 3 Test (DCAT). An adverse event can include one large adverse deviation from forecast (e.g. a large stock market crash) or several smaller deviations from forecast (e.g. 5 interest rates lower than forecast for four consecutive years). Regardless of how the 6 event occurs, the RSR is required to protect motorists from rate increases made necessary by these events. The revised definition of the RSR reflects that all 8 variations from budget, favourable or unfavourable, flow through to the RSR.

RSR.1.1.3 **Competitive Lines Excess Total Equity Strategy**

Information request PUB (MPI) 1-4 of the 2016 GRA posed the following question to the Corporation:

> "Why does the Corporation refuse to develop a transparent strategy for the disposition of excess retained earnings in the Extension and SRE lines of business, to the benefit of Basic ratepayers, when an RSR rebuilding increase is requested?"

- The Corporation has developed a strategy on the use of Competitive Lines Excess 21 Equity, which is included in *RSR.1.3 Appendix A*. 22
- RSR.1.1.3.1 Transfer to the Basic RSR 24

The Corporation's Board of Directors directed that \$72.7 million be transferred from 25 the Extension line of business to the Basic RSR as at February 29, 2016. This 26 transfer was made to ensure that Basic Total Equity was \$231 million, which was the 27 amount required for Basic to have a satisfactory financial condition in the 2015 DCAT 28 report and was the lower RSR target that was approved by the Board in Order 29 128/15 of the 2016 GRA. 30



1	RSR.1	Rate Stabilization Reserve (RSR)
2		
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4		RSR
5		
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7		
8	1. That the	Board approve a minimum (lower) RSR target of \$181 million in Total
9	Equity ba	sed on the results of the 2016 DCAT report.
10		
11	2. That the	Board approve a maximum (upper) RSR target of \$404 million based on
12	a projecto	ed Minimum Capital Test (MCT) ratio of 100% as of the start of the
13	2017/18	fiscal year.
14		
15	RSR.1.1.2	Purpose of the RSR
16		
17	The current p	purpose of the RSR is:
18		
19	To pro	otect motorists from rate increases made necessary by
20	unexp	pected events and losses arising from non-recurring events or
21	factor	'S
22		
23	In Order 128	15 the Board made the following order:
24		
25	``10.1	5 MPI file with next year's GRA a proposed, revised definition of
26	the R.	SR″
27		
28	The Corporat	tion is proposing the following revised purpose (i.e. definition) of the
29	RSR:	
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31	been	necessary due to unexpected variances from forecasted results
32	and	due to events and losses arising from non-recurring events or
33	factor	S



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RSR.1.1.3 Competitive Lines Excess Total Equity Strategy

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- The Corporation has developed a strategy on the use of Competitive Lines Excess Equity, which is included in *RSR.1.3 Appendix A*.
- 24 RSR.1.1.3.1 Transfer to the Basic RSR

The Corporation's Board of Directors directed that \$72.7 million be transferred from the Extension line of business to the Basic RSR as at February 29, 2016. This transfer was made to ensure that Basic Total Equity was \$231 million, which was the amount required for Basic to have a satisfactory financial condition in the 2015 DCAT report and was the lower RSR target that was approved by the Board in Order 128/15 of the 2016 GRA.



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Any amount to be transferred and when is wholly within the discretion of the Board of Directors of Manitoba Public Insurance. Should there be an unusual and extreme need in the future to consider a future transfer of excess retained earnings to the Basic RSR, the Board (PUB) will be advised based upon the circumstances at that time. In the meantime, Manitoba Public Insurance remains compliant to the legislation on this matter."

- 8 **Conditions underlying the decision framework**
- 10 The Board of Directors in exercising this discretion will consider the following 11 conditions and framework for the use of excess equity from the competitive lines of 12 business as it pertains to the Basic insurance line of business.
- 14 The purpose of the RSR has been modified to articulate how it has been applied since 15 it was first introduced:
 - The Purpose of the RSR is to protect motorists from rate increases that would otherwise have been necessary due to <u>unexpected</u> variances from forecasted results and due to events and losses arising from non-recurring events and factors.
- The Minimum RSR target will be based on the 1-in-40 year plausible adverse
 scenarios determined by the Dynamic Capital Adequacy test (DCAT). The DCAT
 must be signed off by the Chief Actuary and the Appointed (external) Actuary.
- 25 <u>The Maximum RSR target</u> will be based on the 100% Minimum Capital Test 26 calculation.
- 28 <u>The Rates approved by the Public Utilities Board cannot create a systemic deficiency</u>
 29 in premiums. This means that the PUB cannot approve rates that will create a
 30 deficiency in the Basic premium thereby reducing the RSR to unacceptable levels.



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1	Guidelines for the Board of Directors in determining whether a transfer
2	should occur

The conditions noted above will need to exist before the Board of Directors can contemplate any transfer of excess equity from competitive lines to the Basic line of business.

8 The use of excess equity from the competitive lines, with regards to the Basic line of 9 business, will only be considered in order to prevent the need for a Basic Rate 10 Stabilization Reserve rebuilding fee.

12 Clearly, the amount of transfer in any given year cannot exceed the amount 13 available in the competitive lines excess equity and the amount and years over which 14 the shortfall to the minimum target will be removed will be at the sole discretion of 15 the Board of Directors.

17 The Board of Directors will also consider the impact of current financial forecasts in 18 determining the number of years over which the transfer may occur.

As well, the amount of transfer cannot result in the Basic Rate Stabilization Reserve minimum target being exceeded at the time of transfer.

It is also within the Board of Directors discretion to transfer any excess equity (above the maximum Basic RSR amount) from the Basic line of business back to the competitive lines of business up to the amount of the previous transfers made to the Basic line of business.



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Any amount to be transferred and when is wholly within the discretion of the Board of Directors of Manitoba Public Insurance. Should there be an unusual and extreme need in the future to consider a future transfer of excess retained earnings to the Basic RSR, the Board (PUB) will be advised based upon the circumstances at that time. In the meantime, Manitoba Public Insurance remains compliant to the legislation on this matter."

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- 10 The Board of Directors in exercising this discretion will consider the following 11 conditions and framework for the use of excess equity from the competitive lines of 12 business as it pertains to the Basic insurance line of business.
- 14 The purpose of the RSR has been modified to articulate how it has been applied since 15 it was first introduced:
- 17 <u>The Purpose of the RSR</u> is to protect motorists from rate increases that would 18 otherwise have been necessary due to *unexpected variances from forecasted results* 19 *and* due to events and losses arising from non-recurring events and factors.
- <u>The Minimum RSR target</u> will be based on the 1-in-40 year plausible adverse
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1	Guidelines for the Board of Directors in determining whether a transfer
2	should occur
3	

The conditions noted above will need to exist before the Board of Directors can contemplate any transfer of excess equity from competitive lines to the Basic line of business.

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