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September 18, 2018

Oliver Wyman 120 Bremner Boulevard, Suite 800, Toronto, Ontario M5J 0A8

Attention: Paula Elliott

RE: FA NL <u>Taxi, Jitney, and Liveries Automobile Rate Application – Category 2</u> – Response to email dated September 7th, 2018

Dear Ms. Elliott,

Facility Association (FA) received 10 questions in regard to FA Newfoundland and Labrador Taxi, Jitney, and Liveries Rate Filing in 2018, including requests for 5 alternative indications. Our responses to the questions are provided on the pages that follow.

Best regards

Shawn Doherty, FCIA, FCAS SVP Actuarial & CFO



# **General**

**OW Question 1** Further to FA's response regarding the MVR cost per vehicle included in the rate filing, it is our understanding the costs of such fees for Taxis is the highest in NL at \$122.98, compared to \$81.49 in NB and \$99.77 in NS, even though the costs for the DR abstract is less in NL (at \$17.00) than NB (\$22.30) and NS (at \$27.50). FA explains that based on a sample survey, it assumes 5 drivers per taxis in NL, but only 1.9 in NB and 2.6 in NS. FA states that it is the assumption of how many drivers per taxi that explains the difference in the MVR costs.

Can FA provide any further insight as to why the number of drivers per taxi included in this sample is significantly higher for NL (at 5) compared to NB and NS?

# **FA Response to OW Question 1**

FA has no further insight to provide.

**OW Question 2 (consists of 4 questions)** Further to FA's response regarding the average costs for underwriting and processing, based on a 10% of premium fee, the provision included in NL proposed taxi rates at \$796 is significantly higher than currently included in the NS and NB rates, at \$260 and \$481, respectively.

Provisions for the expenses included in the rates should reflect actual costs; and we understand the provision included by FA is formulaic and not based on actual costs to perform the service.

a. On what basis can the Board approve a provision of \$796 as reasonable and not too high, while a provision of \$260 is used in NS for this similar underwriting process from the servicing carriers?

## FA Response to OW Question 2a

The basis for approval of the provision is threefold. First, the compensation arrangement with the Servicing Carriers is established in the Plan of Operation, as approved by the FA membership and the Newfoundland & Labrador Superintendent of Insurance. As the Plan of Operation carries the force of law and the compensation arrangement is not on a "cost recovery" basis, Servicing Carriers will be compensated through the formula so approved. As such, it is an actual cost of the provision of insurance through the Facility Association, and we believe the Board should view it as reasonable to account for actual costs of FA membership in providing insurance through the FA.

Second, regardless of the underlying assumption used in the determination of the rate level, the Servicing Carriers will be paid according to the Plan of Operation. We believe the Board should consider it reasonable for rates to reflect actual underlying costs that are mandated by law.

Third, the compensation arrangement with the Servicing Carriers is meant to reflect an appropriate overall compensation level across jurisdictions, rating classes, and time. A move to a compensation arrangement that is based on a fixed cost per vehicle is more burdensome to manage, and, on current

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costs, would actually lead to an overall needed rate increase across all rating classes of approximately 3% to accommodate (as the current overall average written premium across all rating classes in NL are approximately 77% of the FA average across all jurisdictions, all rating classes excluding garage), and an <u>increase</u> of the effective Servicing Carrier ratio in NL to approximately 12.5%. This approach would result in a lower provision for taxis (and 4 other rating classes), but would increase the provision for 11 other rating classes, with recreational vehicles in particular seeing significant increases (to effective Servicing Carrier ratios of over 40%).

## **OW Question 2 (continued)**

b. What steps has FA taken to (i) update its rating model (as stated in its Plan of Operations) so as to consider actual expense costs instead of percentage based provisions and (ii) encourage reducing expense costs and incorporating efficiencies from its servicing carriers?

## FA Response to OW Question 2b

There have been no formal steps taken by the FA Board to tie Servicing Carrier compensation to actual costs. If providing such services as are provided by Servicing Carriers were a lucrative undertaking, it is reasonable to assume that other members would undertake to become Servicing Carriers. This has not been the case.

# **OW Question 2 (continued)**

c. Provide the rate indications based on a provision of \$260 instead of \$796, and no other changes in assumptions.

## FA Response to OW Question 2c

The indication is based on current cost levels and with the NL Taxi current average rate level premium of \$7,228, a provision of \$260 for operating costs converted to 3.6% of the current average premium would be included to derive the rate indication. The table below provides alternative indications based on the alternative operating cost of 3.6% premium, with no other changes in assumptions.



NL TX alternative indication with alternative operating cost of 3.6% of premium, with no other changes

	Per Subm	itted Filing	OW Que	estion 2c
	FA actuarial assumps -	mgmt assumps - 0% CoC	FA actuarial assumps -	mgmt assumps - 0% CoC
	12% ROE + 1.79% RoI	+ 2.8% RoI	12% ROE + 1.79% RoI	+ 2.8% RoI
Coverage	FA Best Estimate	Proposed Rate Change	+ alternative operating	+ alternative operating
Coverage	FA Best Estillate	Proposed Rate Change	cost of 3.6%	cost of 3.6%
	[1]	[2]	[3]	[4]
Third Party Liability	26.9%	10.5%	16.0%	1.9%
Accident Benefits	21.9%	7.1%	11.4%	(1.3%)
Uninsured Automobile	31.3%	15.2%	20.0%	6.2%
Collision	18.5%	5.9%	8.3%	(2.4%)
Comp	12.0%	(0.1%)	2.4%	(7.9%)
Specified Perils	5.2%	(6.2%)	(3.9%)	(13.6%)
Total	26.3%	10.2%	15.5%	1.6%

Note that this provision adjustment for the assumptions does NOT change the actual costs that would be incurred (that is, 10% of the premium would still be paid to the Servicing Carriers per the Plan of Operation requirements).

# **OW Question 2 (continued)**

d. Provide the rate indications based on a provision of \$481 instead of \$796, and no other changes in assumptions.

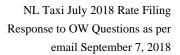
# FA Response to OW Question 2d

With the NL Taxi current average rate level premium of \$7,228, a provision of \$481 for operating costs would be converted to 6.7% of the current average premium.

The table below provides alternative indications based on the alternative operating cost of 6.7% of premium, with no other changes in assumptions.

*NL TX alternative indication with alternative operating cost of* 6.7% *of premium, with no other changes* 

	Per Submi	itted Filing	OW Que	estion 2d
	FA actuarial assumps -	mgmt assumps - 0% CoC	FA actuarial assumps -	mgmt assumps - 0% CoC
	12% ROE + 1.79% RoI	+ 2.8% RoI	12% ROE + 1.79% RoI	+ 2.8% RoI
Coverage	FA Best Estimate	Proposed Rate Change	+ alternative operating	+ alternative operating
Coverage	TA Dest Estimate	Froposed Nate Change	cost of 6.7%	cost of 6.7%
	[1]	[2]	[3]	[4]
Third Party Liability	26.9%	10.5%	21.0%	5.9%
Accident Benefits	21.9%	7.1%	16.3%	2.6%
Uninsured Automobile	31.3%	15.2%	25.2%	10.4%
Collision	18.5%	5.9%	13.0%	1.5%
Comp	12.0%	(0.1%)	6.8%	(4.3%)
Specified Perils	5.2%	(6.2%)	0.3%	(10.2%)
Total	26.3%	10.2%	20.4%	5.6%



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Note that this provision adjustment for the assumptions does NOT change the actual costs that would be incurred (that is, 10% of the premium would still be paid to the Servicing Carriers per the Plan of Operation requirements).

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# FA Experience Loss Development Factors (Ultimate Claim Amount Selections)

**OW Question 3** Does FA find the sole reliance on the BF Method for Bodily Injury and Accident Benefits coverages (which is a balanced combination of a priori expectations and emerged experience) instead of the Weighted Method to be reasonable?

# **FA Response to OW Question 3**

As noted in our prior response and in the actuarial memorandum accompanying the rate filing, the experience used is based on selections of ultimate loss amounts by FA's Appointed Actuary (Liam McFarlane of Ernst & Young) with jurisdiction experience specific consideration related to the AA's assessment of the nature of the coverage and its associated development volatility and other characteristics, taking into account the scheduled quarterly valuation review, changes in volume and changes in mix of business, case reserve levels and open claims, and the assessment of the strengths and weaknesses of various valuation methodologies, as well as his assessment of the nature of the coverage and its associated development volatility and other characteristics.

There are myriad valuation methodologies and processes for striking assumptions. Individual actuaries responsible and accountable for such selections may reasonably consider alternative methodologies / approaches. While we clearly have no issue with having default methodologies set out (as we do this), we would not recommend blind / sole reliance on any one methodology at all times.

**OW Question 4** Does FA agree that it is quite common for actuaries to select the BF Method?

## FA Response to OW Question 4

It is our understanding that a B/F approach is generally considered as a valuation methodology in the context of Canadian P&C.



## **Summary**

**OW Note**: For Questions #5 - #7, provide the supporting Exhibits that change as a result of these alternate assumptions based on the "Management Assumptions" of a COC at 0.0% and ROI at 2.8%.

**OW Question 5** Provide the rate indications based on the following combination of alternative assumptions, and no other changes in assumptions:

- a) HST adjustment as per prior Question #4
- b) Bodily Injury and Accident Benefit Loss Development factors based on the B-F Method, as per prior Question #8
- c) An expense provision as per Question # 2c above
- d) The Board's loss trend rates (as of June 30, 2017) as per prior Question #9.

# FA Response to OW Question 5

The table below provides alternative indications based on the alternative assumptions below with no other changes in assumptions:

- a) HST adjustment as per prior Question #4
- b) Bodily Injury and Accident Benefit Loss Development factors based on the B-F Method, as per prior Question #8
- c) An expense provision as per Question # 2c above (3.6% of operating cost)
- d) The Board's loss trend rates (as of June 30, 2017) as per prior Question #9.

NL TX alternative indication with above alternative assumptions, with no other changes

			1 ,						
	Per Submi	itted Filing	OW Qu	estion 5					
	FA actuarial assumps -	mgmt assumps - 0% CoC	FA actuarial assumps -	mgmt assumps - 0% CoC					
	12% ROE + 1.79% RoI	+ 2.8% RoI	12% ROE + 1.79% RoI	+ 2.8% RoI					
			+ alternative HST Adj +	+ alternative HST Adj +					
			alt LDFs for BI and	alt LDFs for BI and					
Coverage	FA Best Estimate	Proposed Rate Change	AccBen + alt operating	AccBen + alt operating					
			cost of 3.6% + alt Loss	cost of 3.6% + alt Loss					
			Cost Trends	Cost Trends					
	[1]		[3]	[4]					
Third Party Liability	26.9%	10.5%	11.4%	(2.0%)					
Accident Benefits	21.9%	7.1%	33.9%	18.6%					
Uninsured Automobile	31.3%	15.2%	46.8%	30.1%					
Collision	18.5%	5.9%	7.9%	(2.9%)					
Comp	12.0%	(0.1%)	4.4%	(6.0%)					
Specified Perils	5.2%	(6.2%)	3.0%	(7.4%)					
Total	26.3%	10.2%	13.7%	0.2%					

The support exhibits that change as a result of these alternative assumptions based on 0.0% CoC and 2.8% RoI are attached as *NL* 2018 Q2 TX alternative indications – OW 20180907 que5.pdf.



**OW Question 6** *Same as Question #5 above, except exclude part (b).* 

# FA Response to OW Question 6

The table below provides alternative indications based on the alternative assumptions below with no other changes in assumptions:

- a) HST adjustment as per prior Question #4
- b) An expense provision as per Question # 2c above (3.6% of operating cost)
- c) The Board's loss trend rates (as of June 30, 2017) as per prior Question #9.

NL TX alternative indication with above alternative assumptions, with no other changes

Par Submitted Filing OW Question 6												
	Per Subm	itted Filing	OW Qu	estion 6								
	FA actuarial assumps -	mgmt assumps - 0% CoC	FA actuarial assumps -	mgmt assumps - 0% CoC								
	12% ROE + 1.79% RoI	+ 2.8% RoI	12% ROE + 1.79% RoI	+ 2.8% RoI								
			+ alternative HST Adj +	+ alternative HST Adj +								
Coverage	FA Best Estimate	Proposed Rate Change	alt operating cost of	alt operating cost of								
Coverage	ra dest Estillate	Proposed Nate Change	3.6% + alt Loss Cost	3.6% + alt Loss Cost								
			Trends	Trends								
	[1]	[2]	[3]	[4]								
Third Party Liability	26.9%	10.5%	15.1%	0.9%								
Accident Benefits	21.9%	7.1%	41.1%	25.0%								
Uninsured Automobile	31.3%	15.2%	46.8%	30.1%								
Collision	18.5%	5.9%	7.9%	(2.9%)								
Comp	12.0%	(0.1%)	4.5%	(6.0%)								
Specified Perils	5.2%	(6.2%)	3.0%	(7.4%)								
Total	26.3%	10.2%	17.3%	3.1%								

The support exhibits that change as a result of these alternative assumptions based on 0.0% CoC and 2.8% RoI are attached as *NL 2018 Q2 TX alternative indications – OW 20180907 que6.pdf*.

**OW Question 7** *Same as Question #5 above, except exclude parts (b) and (c).* 

## FA Response to OW Question 7

The table below provides alternative indications based on the alternative assumptions below with no other changes in assumptions:

- a) HST adjustment as per prior Question #4
- b) The Board's loss trend rates (as of June 30, 2017) as per prior Question #9.

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NL TX alternative indication with above alternative assumptions, no other changes

	Per Subm	itted Filing	OW Qu	estion 7
	FA actuarial assumps - r 12% ROE + 1.79% ROI		FA actuarial assumps -	mgmt assumps - 0% CoC
			12% ROE + 1.79% RoI	+ 2.8% RoI
Coverage	FA Best Estimate	Proposed Rate Change	+ alternative HST Adj +	+ alternative HST Adj +
Coverage	FA Dest Estimate	Proposed Nate Change	alt Loss Cost Trends	alt Loss Cost Trends
	[1]	[2]	[3]	[4]
Third Party Liability	26.9%	10.5%	25.9%	9.5%
Accident Benefits	21.9%	7.1%	54.3%	35.6%
Uninsured Automobile	31.3%	15.2%	60.7%	41.1%
Collision	18.5%	5.9%	18.0%	5.3%
Comp	12.0%	(0.1%)	14.3%	2.0%
Specified Perils	5.2%	(6.2%)	12.7%	0.5%
Total	26.3%	10.2%	28.4%	11.9%

The support exhibits that change as a result of these alternative assumptions based on 0.0% CoC and 2.8% RoI are attached as *NL 2018 Q2 TX alternative indications – OW 20180907 que7.pdf*.

Exh C-1 Page 1 of 16

Facility Association Residual Market (FARM) experience 2008 2013 Jurisidiction: Newfoundland & Labrador accident yr 2009 2014 Vehicle Type: Taxi weights 2010 2015 Project ID: NL-2018Q2-TX 2011 2016 used in Exh C-1 2017 indications 2012

Jun 1 2019 jurisdiction (short form): NL major rating class: PUB dcst rate: minor rating class: TX 2.80% rating type: all

RN eff date:

20.0%

20.0%

20.0%

20.0%

20.0%

type: Reg. Benchmark market: INDUSTRY rating class: CV as at: 30-Jun-17

Trend Basis

Derivation	of Indicated Change in Overall Rate Level		[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[0]	[J]	[K]	[L]	[M]
(\$1s)	unless otherwise indicated		Third Party Liability	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Accident Benefits	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	TOTAL
Facility Associa	ation Exposures & Premium	FA AIX as at: Dec 31 2017	Liability		Dumage		(marvisible)	Denents	riacomobile	Wiotorist					
[1]	FA Written Exposures, Rolling 12	Exh C-2, row [17]	560	-		-	560	439	557	_	95	118	159		560
[2]	FA Written Premium, Rolling 12	Exh C-2, row [20]	2,867,154	-	_	_	2,867,154	194,368	94,324	_	75,780	40,053	27,207		3,298,886
[3]	FA Average Written Premium, Rolling 12, \$s	Exh C-2, row [23]	5,124	_	_	_	5,124	443	169	_	794	339	171		5,895
[4]	FA Written Premium @ Current Rates, Projected to Future Period	Exh C-2, row [34]	3,528,029	-	-	-	3,528,029	231,446	137,819	-	79,754	40,573	27,103	-	4,044,724
[5]	FA Avg Written Premium @ Current Rates, Projected to Future Period, \$s	Exh C-2, row [35]	6,305	-	_	_	6,305	527	247	_	836	343	171		7,228
[6]	Premium distribution @ current rates	([4] by coverage)/([4] total)	87.23%	-	-	-	87.23%	5.72%	3.41%	-	1.97%	1.00%	0.67%	-	100.00%
<b>Updated Proje</b>	cted Loss Ratio (indemnity only, nominal) @ Current Rates														$\overline{}$
[7]	Updated projected loss ratio (indemnity only, nominal), prior analysis	Exh C-2, row [14]	79.8%	79.8%	79.8%	79.8%	79.8%	90.9%	94.2%	-	60.5%	66.5%	71.6%	69.3%	80.4%
Projected Loss	Ratio (indemnity only, nominal) based on FA experience														
[8]	FA projected ultimate loss ratio (indemnity only, nominal)	Exh D-1, col [17]	70.3%	70.3%	70.3%	70.3%	70.3%	97.5%	162.5%	-	107.3%	87.6%	40.2%	37.4%	75.7%
Credibility-We	ighted Projected Loss Ratio (indemnity only, nominal)														
[9]	FA experience credibility	Exh E-1, col [8]		49.6%	49.6%	49.6%	49.6%	31.3%	11.6%	-	25.1%	17.2%	8.0%	5.3%	1
[10]	Credibility-weighted projected Loss Ratio (indeminty only, nominal)	=[8]*[9]+[7]*(1-[9])	75.1%	75.1%	75.1%	75.1%	75.1%	93.0%	102.1%	-	72.2%	70.1%	69.1%	67.6%	76.9%
Projected Loss	Ratio (indemnity & excess legal, discounted @ 2.80%)														1 1
[11]	Loss discount factor	Exh F-2 (re-wghted)	0.9036	0.9036	0.9036	0.9036	0.9036	0.9281	0.9281	0.8950	0.9732	0.9694	0.9694	0.9732	0.9083
[12]	Credibility-weighted projected loss ratio (indemnity only, discounted)	=[10]*[11]	67.9%	67.9%	67.9%	67.9%	67.9%	86.3%	94.8%	-	70.3%	68.0%	67.0%	65.8%	69.9%
[13]	excess legal as <u>% indemnity</u>	see note 3 below	1.9%	1.9%	1.9%	1.9%	1.9%	-							1.6%
[14]	Cred-wght'd projected loss ratio (indemnity & excess legal, discounted)	=[12]*(1+[13])	69.2%	69.2%	69.2%	69.2%	69.2%	86.3%	94.8%	-	70.3%	68.0%	67.0%	65.8%	71.0%
Discounted Re	venue, Expenses and Capital Costs														1
[15]	Revenue discount factor	Exh G-1, col[C], row[3]	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963
[16]	Total discounted fixed expenses, as % of current on-level premium	Exh G-1, col[C], row[30] for TPL, otherwise	2.550/	2 ===/	2 ===/	2.550/	2 5 5 6 7	4 700/	4 700/	4 700/	4 700/	4 700/	4 700/	4 700/	2 2201
(47)	Discounted effective commission ratio (based on Indicated rate level change)	row[21]	3.55%	3.55%	3.55%	3.55%	3.55%	1.79%	1.79%	1.79%	1.79%	1.79%	1.79%	1.79%	3.33%
[17]		Exh G-1, col[C], row[5] Exh G-1, col[C], row[17] for TPL, otherswise	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%
[18]	Total discounted variable expenses prem tax, S.C. non-claims fees, as % of premium	row[15]	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%
[19]	Discounted variable S.C. initial claims fee, as % of premium	Exh G-1, col[C], row[18]	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%
[20]	Retroactive claims fee adjustment (discounted), as % of premium @ target rate	goal seek to 0 on col [L], row [41]	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%	0.24%
[21]	Target Return on Premium (i.e. pre-tax return from underwriting, including associated investment												"		1 1
	income, as % of premium)	Exh H-1, row[15]	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%
Rate Indication		_													1
[22]	Indicated target rate change (12.0% ROE, leverage 2.0)	=([14]+[16])/([15]-[17]-[18]-[19]-[20]-[21])-1	7.4%	7.4%	7.4%	7.4%	7.4%	30.0%	42.5%	-	6.4%	3.0%	1.5%	(0.3%)	9.8%
[23]	Avg WP @ Indicated target rate change (12.0% ROE, leverage 2.0)	=[5]*(1+[22])	6,772	-	-	=	6,772	685	352	-	890	353	174	-	7,936
[24]	AWP dollar change for Indicated target rate change (12.0% ROE, leverage 2.0)	=[23]-[5]	467	-	-	-	467	158	105	-	54	10	3	-	708
[25]	nominal indemnity LR for Indicated target rate change (12.0% ROE, leverage 2.0)	=[10]/(1+[22])	69.9%	69.9%	69.9%	69.9%	69.9%	71.5%	71.6%	-	67.9%	68.1%	68.1%	67.8%	70.0%
[26]	nominal excess legal LR for Indicated target rate change (12.0% ROE, leverage 2.0)	=[13]*[25]	1.3%	1.3%	1.3%	1.3%	1.3%	-	-	-	-	-	-	-	1.1%
[27]	discounted commission as % of premium, based on alternative target	Exh G-1, col[C], row[6]	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%
[28]	Retroactive claims fee adjustment (discounted), based on alternative target	goal seek to 0 on col [L], row [42]	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%
[29]	Alternative basis Return on Premium (i.e. pre-tax return from underwriting, including associated investment income, as % of premium)	Exh H-1, row[21]	_	_	.			_	_	.	_	-	.	-	1 - 1
[30]	Alternative rate change basis (0.0% Cost of Capital, leverage 1.84)	=([14]+[16])/([15]-[27]-[18]-[19]-[28]-[29])-1	(2.0%)	(2.0%)	(2.0%)	(2.0%)	(2.0%)	18.6%	30.1%	-	(2.9%)	(6.0%)	(7.4%)	(9.0%)	0.2%
[31]	Avg WP @ Alternative rate change basis (0.0% Cost of Capital, leverage 1.84)	=[5]*(1+[30])	6,179	- (=.570)	- (2.570)	- (=.570)	6,179	625	321	-	812	322	158	- (2.370)	7,242
[32]	AWP dollar change for Alternative rate change basis (0.0% Cost of Capital, leverage 1.84)	=[31]-[5]	(126)	-	.	-	(126)	98	74	-	(24)	(21)	(13)	-	14
[33]	nominal indemnity LR for Alternative rate change basis (0.0% Cost of Capital, leverage 1.84)	=[10]/(1+[30])	76.6%	76.6%	76.6%	76.6%	76.6%	78.4%	78.5%	-	74.4%	74.6%	74.6%	74.3%	76.7%
[34]	nominal excess legal LR for Alternative rate change basis (0.0% Cost of Capital, leverage 1.84)	=[13]*[33]	1.5%	1.5%	1.5%	1.5%	1.5%		-	-	- "	-	- 1	-	1.2%
[35]	Rate change selected by FA	Alternative rate change basis (0.0% Cost of													
1		Capital, leverage 1.84), capped at +/-0.0% by													
r		coverage	10.5%	10.5%	10.5%	10.5%	10.5%	7.1%	15.2%		5.9%	(0.1%)	(6.2%)		10.2%
[36]	Avg WP @ Rate change selected by FA	=[5]*(1+[35])	6,967	-	-	-	6,967	564	285	-	885	343	160	-	7,965
[37]	AWP dollar change for Rate change selected by FA	=[36]-[5]	662	-	-	-	662	37	38	-	49	(0)	(11)	-	737
[38]	Annualized Prem chg for Rate change selected by FA	=[4]*[35]	370,443				370,443	16,433	20,948	-	4,705	(41)	(1,680)		410,808
[39]	nominal indemnity LR for Rate change selected by FA nominal excess legal LR for Rate change selected by FA	=[10]/(1+[35])	68.0% 1.3%	68.0% 1.3%	68.0% 1.3%	68.0% 1.3%	68.0% 1.3%	86.8%	88.6%	-	68.2%	70.2%	73.7%	67.6%	69.8% 1.1%
[40]	nonninal excess legal En for Rate change selected by FA	=[13]*[39]	1.3%	1.3%	1.3%	1.3%	1.3%	-	-	-	-	-	- 1	-	1.1%

2008 2013 20.0% RN eff date: Facility Association Residual Market (FARM) experience Trend Basis type: Reg. Benchmark Jurisidiction: Newfoundland & Labrador accident yr 2009 2014 20.0% Jun 1 2019 jurisdiction (short form): NL 20.0% Vehicle Type: Taxi weights 2010 2015 major rating class: PUB market: INDUSTRY Project ID: NL-2018Q2-TX used in 2011 2016 20.0% dcst rate: minor rating class: TX rating class: CV Exh C-1 2017 20.0% indications 2012 2.80% rating type: all as at: 30-Jun-17

1	Goal seek to 0.0%, on col[B], row[20]
L	[L]
I	
ŀ	
f	(0.01%)

Exh C-1

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Retroactive cl	aims fee adjustment	72 month LR	reimburse- ment rate LR	claims expense fee % @ reimburse- ment rate LR	minimum claims expense fee ratio	ratio	ratio	claims expense fee ratio	experience claims expense fee ratio (post min/max)	Retroactive Adjustment	yr	discounted retroactive adjustment
		[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[1]	[1]	[K]
	[72-month IBNR as % ultimate] calculated from Exh D-1: 0.0%	(see note 1)	Statistical	Accounting & Statistical Manual (see note 2)	Statistical	Statistical	Statistical	={co [F],	=row[41]:col [H] s.t. max / min, cols [D] & [E]	=[H]-[C]	=1/(1+disc rate)	=[1]*[J]
[41]	Retroactive claims fee adjustment at 12.0% ROE	70.0%	67.5%	10.0%	9.0%	16.0%	3.3%	10.25%	10.25%	0.25%	0.9728	0.24%
[42]	Retroactive claims fee adjustment at Alternative Target	76.7%	67.5%	10.0%	9.0%	16.0%	3.3%	10.92%	10.92%	0.92%	0.9728	0.89%
[43]	Retroactive claims fee adjustment on Selected Rate Change	69.8%	67.5%	10.0%	9.0%	16.0%	3.3%	10.23%	10.23%	0.23%	0.9728	0.22%

#### Notes:

- 1 [72mth LR] = Recorded Claims Ratio @ 72 months = Ultimate LR\*(1-[72-month IBNR as % ultimate])
- 2 (See also Bulletin "All-Canada SC2004-02" issued on Jan. 7, 2004)

3 excess legal as percent of TPL indemnity is AA Report = [ratio as % of total coverages EP] x [latest yr total coverages EP] / [latest yr TPL expected indemnity] where ratio to EP from excess legal exhibit, and latest yr EP and TPL expected indemnity from a priori exhibit

			TPL				
AA Report (FY2017)	Exh B.12.1		Exh B.8.6.1		Projected EP		Exh B.5.10.1
	pg 1 selected - cat I		prov, year		Adjustment		pg 1, col [5]
	excess ratio % total EP		AA R all coverage EP		AA R all coverage EP		AA R TPL expected indemnity
1.9% =	1.22%	x	7,327,181	x	1.000	/	4,791,000

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all Exh C-2 Page 3 of 16

rate level factor exhibit

Project ID: NL-2018Q2-TX Exh C-2

Vehicle Type: Taxi

Derivation of Loss Ratios Underlying Current (i.e. "Expiring") Rates

Bas	sis: last submitted rate filing	Formulae	Third Party Liability	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Accident Benefits	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	TOTAL
[1]	Distribution Used	Exh C-3 (option 1),													
[1]		row [6]	87.55%	-	-	-	87.55%	6.58%	2.97%	-	1.20%	0.88%	0.79%	0.04%	100.01%
[2]	Projected ultimate loss ratio (nominal), prior to rate adjustment	Exh C-3 (option 1),													
		row [10]	93.4%	93.40%	93.40%	93.40%	93.40%	88.00%	110.70%	-	61.30%	59.70%	63.10%	60.80%	92.6%
[3]	FA Written Rate Level Factor as at 2017-09-30	Exh C-2, row [4], last													
		submitted rate filing													
		_		2.7954	2.7954	2.7954	2.7954	11.8323	16.5092	1.0000	0.1964	0.2712	0.4683	0.221	
[4]	FA Written Rate Level Factor as at 2019-06-01	current rate level													
		factor look-up		3,3265	3.3265	3,3265	3.3265	13.6072	23.1459	1.0000	0.1935	0.2494	0.4233	0.212	
[5]	Estimated impact of subsequent rate changes	=[4]/[3]-1	19.0%	19.0%	19.0%	19.0%	19.0%	15.0%	40.2%	-	(1.5%)	(8.0%)	) (9.6%)	(4.1%)	18.6%
[6]	HST Adjustment factors for changes not considered in prior analysis in its										(,	(,	(		
1-1	projection to average accident date	as needed		1.0053	1.0177	1.0177	1.0084	1.0142	1.0177	1.0177	1.0177	1.0177	1.0177	1.018	
[7]	loss ratio (nominal) at current rates	=[2]*[6])/(1+[5])	79.1%	78.9%	79.9%	79.9%	79.1%	77.6%	80.4%	-	63.3%	66.0%		64.5%	78.7%
[8]	Modeled loss cost projected to average accident date, prior analysis	Exh D-5a	73.170	-	73.370		365.32	18.58	5.31	0.76	141.01	119.25		138.48	70.77
[9]	Modeled loss cost projected to average accident date, prior analysis	Exh D-5a		_		_	369.85	21.76	6.22	0.76	141.01	127.28		147.80	
[10]	indemnity projection factor between average accident date underlying	EXIT D SG					303.03	21.70	O.EE	0.70	212.02	127.20	33.30	117.00	
[10]	current rates and future average accident date	=[9]/[8]	1.0120	1.0124	1.0124	1.0124	1.0124	1.1712	1.1714	1.0000	1.0000	1.0673	1.0673	1.0673	1.0280
[11]	annualized indemnity change	=[10]^(365/Exh B-1,	1.0120	1.0124	1.0124	1.0124	1.0124	1.1/12	1.1/14	1.0000	1.0000	1.0073	1.0073	1.0073	1.0280
[11]	annualized indennity change	row [4])-1	0.7%	0.7%	0.7%	0.7%	0.7%	10.0%	10.0%			4.0%	4.0%	4.0%	1.7%
[4.2]	annualized premium trend factor	,	0.776	0.776	0.7%	0.7%	0.7%	10.0%	10.0%		-	4.0%	4.076	4.0%	1.7%
[12]	annualized premium trend factor	1+Exh D-4a, Total		4 0000	4 0000		4 0000	4 0000	4 0000	4 0000	4.0070		4 00 40		4 0000
		Drift	1.0020	1.0020	1.0020	1.0020	1.0020	1.0000	1.0000	1.0000	1.0279	1.0348	1.0348	0.9960	1.0030
[13]	premium trend period in days (change in avg written date between rate														
	programs)	Exh B-1, row [2]	609	609	609	609	609	609	609	609	609	609	609	609	609
[14]	projected indemnity loss ratio (nominal) at current rates	=[7]*[10]/{[12]^([13]													
		/365)}	79.8%	79.6%	80.6%	80.6%	79.8%	90.9%	94.2%	-	60.5%	66.5%	71.6%	69.3%	80.5%

Most Current 12-Months Exposure and Premium														
(\$1s) unless otherwise indicated	Formula	Third Party Liability	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Accident Benefits	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	TOTAL
FA Written Exposures, Rolling 12	FA AIX as at: D	ec 31 2017												
[15]	20171	323	-	-	-	323	254	321	-	54	61	103	-	323
[16]	20172	236	-	-	-	236	186	236	-	41	58	56	-	236
[17]	TOTAL	560	-	-	-	560	439	557	-	95	118	159	-	560
FA Written Premium, Rolling 12	FA AIX as at: D	ec 31 2017												
[18]	20171	1,637,960	-	-	-	1,637,960	110,038	52,324	-	44,526	21,348	17,713	-	1,883,909
[19]	20172	1,229,194	-	-	-	1,229,194	84,330	42,000	-	31,254	18,705	9,494	-	1,414,977
[20]	TOTAL	2,867,154	-	=	-	2,867,154	194,368	94,324	-	75,780	40,053	27,207	-	3,298,886
FA Average Written Premium, Rolling 12, \$s														
[21]	20171	5,065	-	-	-	5,065	434	163	-	822	353	172	-	5,825
[22]	20172	5,205	-	-	-	5,205	454	178	-	758	324	170	-	5,991
[23]	TOTAL	5,124	-	-	-	5,124	443	169	-	794	339	171	-	5,895

Most Current 12-Mo	onths Exposure and Premium Adjusted to Current Rat	e Level													
(\$1s) unless oth	erwise indicated												2/	3 CL, 1/3 CM	
<b>FA Written Rate Level Fact</b>	tors														
[24]	20171			2.6114	2.6114	2.6114	2.6649	11.1352	15.3429	1.0000	0.2013	0.2728	0.4702	0.2250	
[25]	20172			2.7954	2.7954	2.7954	2.7954	11.8323	16.5092	1.0000	0.1964	0.2712	0.4683	0.2210	
[26]	FA Written Rate Level Factor as at 2019-06-01	=[4]		3.3265	3.3265	3.3265	3.3265	13.6072	23.1459	1.0000	0.1935	0.2494	0.4233	0.2120	
FA Written Premium @ Cu	urrent Rates, Rolling 12														
[27]	20171	=[18]*[26]/[24]	2,044,607	-	-	-	2,044,607	134,466	78,935	-	42,801	19,517	15,946	-	2,336,272
[28]	20172	=[19]*[26]/[25]	1,462,729	-	-	-	1,462,729	96,980	58,884	-	30,793	17,201	8,582	-	1,675,169
[29]	TOTAL		3,507,336	-	-	-	3,507,336	231,446	137,819	-	73,594	36,718	24,528	-	4,011,441
<b>FA Average Written Premi</b>	ium @ Current Rates, Rolling 12, \$s														
[30]	20171		6,322	-	-	-	6,322	530	246	-	790	323	155	-	7,224
[31]	20172		6,194	-	=	-	6,194	523	249	-	746	298	153	-	7,093
[32]	TOTAL		6,268	-	-	-	6,268	527	247	-	771	311	154	-	7,169

Most Curre	ent 12-Months Exposure and Premium @ Current Rate Level, Pro	jected to Futu	re Avg Written	Premium											
(\$1s	unless otherwise indicated														
[33]	Premium Trend Factors to 01-Dec-2019	AY 2017		1.0059	1.0059	1.0000	1.0059	1.0000	1.0000	1.0000	1.0837	1.1050	1.1050	0.9884	
[34]	FA Written Premium @ Current Rates, Projected to Future Period	=[29]*[33]	3,528,029	-	-	-	3,528,029	231,446	137,819	-	79,754	40,573	27,103	-	4,044,724
[35]	FA Avg Written Premium @ Current Rates, Projected to Future Period, \$s	=[34]/[17]	6,305	-	-	-	6,305	527	247	-	836	343	171	-	7,228

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Exh D-1

Coverage	31-Dec-2017. AY	Earned Exposure (excl trailers)	Earned Premium	Avg Earned	FA Expe					Earned	d Premium O Rating				ate Indemnity Or				
	AY	Exposure (excl trailers) (1s)			Pacardad					Earned	Rating		n-Level						
	AY	Exposure (excl trailers) (1s)			Pacardad						Ruting	On-Level					Trended	Trended	
		(excl trailers) (1s)	Premium			Loss Develop-	Ultimate	Ultimate Loss I	Ultimate Loss	Premium	Character-	Earned	Large Loss	Adjustment	Adjustments /	Projection	Ultimate	Ultimate Loss	Accident
		(1s)		Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On-	istic Drift	Premium	Load (%)	Load (%)	Loads (%)	Factor	Losses	Ratio	Year Weight
										Level Factor	Factor			2000 (70)	20003 (70)	ractor		, idea	
			(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)			(\$1s)					(\$1s)		
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
						Eule D. 2										Regulatory Benchmark	=[6]*(1+[12])*		
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Exh D-2, Section C.	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Trends (Exh	(1+[13])*(1+[1	=[16]/[11]	input
						Section C.										D-5b (ALT))	4])*[15]		
TOTAL																D 30 (ALI)			
	2008	725	1,412,456	1,948	2,388,733		2,388,733	169.1%	3,294.80			4,903,149					2,859,819	58.3%	
	2009	764	1,516,679	1,985	2,520,358		2,520,358	166.2%	3,298.90			5,233,777					3,075,003	58.8%	
	2010	780	1,565,401	2,007	3,192,247		3,192,247	203.9%	4,092.62			5,365,419					3,599,420	67.1%	
	2011	793	1,587,985	2,003	3,494,776		3,494,776	220.1%	4,407.03			5,486,921					4,218,867	76.9%	
	2012	816	1,676,159	2,054	4,878,001		4,878,001	291.0%	5,977.94			5,748,035					5,752,980	100.1%	
	2013	852	1,857,181	2,180	3,170,609		3,173,179		3,724.39			5,983,538					3,559,166	59.5%	20.0%
	2014	820	2,394,633	2,920	3,386,936		3,406,810		4,154.65			5,806,679					3,827,311	65.9%	20.0%
	2015	795	2,439,865	3,069	3,853,652		3,940,499		4,956.60			5,581,567					4,253,158	76.2%	20.0%
	2016	732 617	2,727,409 3.155.584	3,726	3,567,958 2,719,459		3,791,241 3,945,440		5,179.29			5,161,770 4.352.507					4,068,908 4,166,990	78.8%	20.0%
Tot	2017 tal/Wtd Avg.	7,694	20,333,352	5,114 2,643	33,172,729		34,731,284	125.0% 170.8%	6,394.55 4,514.07	-		53,623,362					39,381,622	95.7% 75.2%	20.0% 100.0%
Third Party Liabilit		7,034	20,333,332	2,043	33,172,723		34,731,204	170.876	4,314.07			33,023,302					33,381,022	73.270	100.078
sum of:	2008	725	1,301,390	1,795	2,230,303		2,230,303	171.4%	3,076.28			4,433,405					2,406,226	54.3%	_
BI,PD,DCPD,	2009	764	1,391,046	1,821	2,283,000		2,283,000		2,988.22			4,729,578					2,447,860	51.8%	
TPL (indivis)	2010	780	1,430,390	1,834	3,054,392		3,054,392		3,915.89			4,853,356					3,254,594	67.1%	-
, ,	2011	793	1,462,352	1,844	3,065,744		3,065,744		3,866.01			4,952,075					3,245,947	65.5%	-
(for exposure,	2012	816	1,532,990	1,879	4,249,417		4,249,417	277.2%	5,207.62			5,180,573					4,470,021	86.3%	-
max of	2013	852	1,686,983	1,980	2,861,495		2,861,495	169.6%	3,358.56			5,361,691					2,990,116	55.8%	20.0%
{BI,PD,DCPD},	2014	820	2,185,608	2,665	2,951,148		2,947,312		3,594.28			5,134,711					3,059,263	59.6%	20.0%
plus	2015	795	2,223,971	2,797	3,443,609		3,496,296	157.2%	4,397.86			4,933,089					3,604,400	73.1%	20.0%
TPL (indivis))	2016	732	2,430,050	3,320	3,129,159		3,272,787		4,471.02			4,565,887					3,358,626	73.6%	20.0%
	2017	617	2,756,850	4,468	2,339,453		3,327,872	120.7%	5,393.63			3,812,479					3,399,754	89.2%	20.0%
	tal/Wtd Avg.	7,694	18,401,630	2,392	29,607,720		30,788,618	167.3%	4,001.64			47,956,844					32,236,807	70.3%	100.0%
Bodily Injury	2000					1.0000				2 2265	1.0241					1.0000			
ВІ	2008 2009		-	-	-	1.0000	-	-		3.3265 3.3265	1.0241	-	-	-	-	1.0000	-	-	-
	2010				_	1.0000				3.3265	1.0221					1.0000			
	2011	_			-	1.0000	-	-		3.3265	1.0180	-	_	_	-	1.0000	-	-	_
	2012	_	_	-	_	1.0000	-	-	-	3.3265	1.0159	-	_	_	_	1.0000	-	_	-
	2013	-	-	-	_	1.0000	-	-	-	3.1881	1.0139	-	-	-	-	1.0000	-	-	20.0%
	2014	-	-	-	-	0.9985	-	-	-	2.3510	1.0119	-	-	-	-	1.0000	-	-	20.0%
	2015	-	-	-	-	1.0185	-	-	-	2.1964	1.0099	-	-	-	-	1.0000	-	-	20.0%
	2016	-	-	-	-	1.0483	-	-	-	1.8635	1.0079	-	-	-	-	1.0000	-	-	20.0%
	2017	_	-	-	-	1.5117	-	-	-	1.3899	1.0059	-		-	-	1.0000	-	_	20.0%
	tal/Wtd Avg.	-	-	-	-		-	-	-			-					-	-	100.0%
Property Damage																			
PD	2008	-	-	-	-	1.0000	-	-	-	3.3265	1.0241	-	-	-	-	1.3422	-	-	-
	2009	-	-	-	-	1.0000	-	-	-	3.3265	1.0221	-	-	-	-	1.3093	-	-	-
	2010	-	-	-	-	1.0000	-	-	-	3.3265	1.0200	-	-	-	-	1.2774	-	-	-
	2011 2012	-	-	-	-	1.0000 1.0000	-	-	-	3.3265 3.3265	1.0180 1.0159	-	-	-	-	1.2462 1.2159	-	-	-
	2012	-	-	-	-	1.0000	-			3.1881	1.0139	-	-	-	-	1.2159	-	-	20.0%
	2013		-	-	-	1.0000	-	-		2.3510	1.0139	-		-	-	1.1572	-	-	20.0%
	2015	_			-	1.0000	-	-		2.1964	1.00119	-	-	_	-	1.1290		-	20.0%
	2016	-	-	-	_	1.0340	-	-	-	1.8635	1.0079	-	_	-	-	1.1014	-	-	20.0%
	2017	-	-		-	1.1306	-	-	-	1.3899	1.0059	-	-	-	-	1.0745	-	-	20.0%
Total	tal/Wtd Avg.	-	-	-	-		-	-	-			-					-	-	100.0%
DCPD																			

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FA Experier	nce Projected	Provincial Los	ss Ratio (Inc	demnity On	y)														
as at:	31-Dec-2017				FA Expe	erience				Earne	d Premium O	n-Level		Ultima	ate Indemnity O	n-Level			
	<u>.</u>	Earned								Earned	Rating	On-Level		Catastrophe	Other	Loss Cost	Trended	Trended	
Coverage	AY	Exposure	Earned	Avg Earned	Recorded	Loss Develop-	Ultimate	Ultimate Loss		Premium	Character-	Earned	Large Loss	Adjustment	Adjustments /	Projection	Ultimate	Ultimate Loss	Accident
		(excl trailers)	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On-	istic Drift	Premium	Load (%)	Load (%)	Loads (%)	Factor	Losses	Ratio	Year Weight
		(1s)	(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)	Level Factor	Factor	(\$1s)					(\$1s)		
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
		[1]	[2]	[5]	[4]	[5]	[O]	[7]	[o]	[9]	[10]	[11]	[12]	[13]	[14]	Regulatory		[17]	[10]
						Exh D-2,										Benchmark	=[6]*(1+[12])*		
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Section C.	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Trends (Exh	(1+[13])*(1+[1	=[16]/[11]	input
																D-5b (ALT))	4])*[15]		
DCPD	2008	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.3422	-	-	-
	2009	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.3093	-	-	-
	2010	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.2774	-	-	-
	2011 2012	-	-	-	-	1.0000 1.0000	-	-	-	3.3265	1.0000 1.0000	-	-	-	-	1.2462 1.2159	-	-	-
	2012	-	-	-	-	1.0000	-	-	-	3.3265 3.1881	1.0000		-	-	-	1.2159	-	-	20.0%
	2014					0.9987			- 1	2.3510	1.0000	-				1.1572	-		20.0%
	2015	-		-	-	1.0153		-		2.1964	1.0000	-	_	-	_	1.1290	-	-	20.0%
	2016	_	-	-	-	1.0459	-	-	-	1.8635	1.0000	-	-	-	-	1.1014	-	-	20.0%
	2017	-	-	-	-	1.4225	-	-	-	1.3899	1.0000	-	-	-	-	1.0745	-	-	20.0%
	Total/Wtd Avg.	-	-	-	-		-	-	-			-					-	-	100.0%
TPL (indivisible																			
TPL (indivis)	2008	725	1,301,390	1,795	2,230,303	1.0000	2,230,303		3,076.28	3.3265	1.0241	4,433,405	-	-	(0.5%)	1.0843	2,406,226	54.3%	-
	2009	764	1,391,046	1,821	2,283,000	1.0000	2,283,000		2,988.22	3.3265	1.0221	4,729,578	-	-	(0.5%)	1.0776	2,447,860	51.8%	-
	2010	780	1,430,390	1,834	3,054,392	1.0000	3,054,392		3,915.89	3.3265	1.0200	4,853,356	-	-	(0.5%)	1.0709	3,254,594	67.1%	-
	2011 2012	793 816	1,462,352 1,532,990	1,844 1,879	3,065,744 4,249,417	1.0000 1.0000	3,065,744 4,249,417		3,866.01 5,207.62	3.3265 3.3265	1.0180 1.0159	4,952,075 5,180,573			(0.5%) (0.5%)	1.0641 1.0572	3,245,947 4,470,021	65.5% 86.3%	-
	2013	852	1,686,983	1,980	2,861,495	1.0000	2,861,495		3,358.56	3.1347	1.0139	5,361,691		_	(0.5%)	1.0502	2,990,116	55.8%	20.0%
	2014	820	2,185,608	2,665	2,951,148	0.9987	2,947,312		3,594.28	2.3217	1.0119	5,134,711	_	-	(0.5%)	1.0432	3,059,263	59.6%	20.0%
	2015	795	2,223,971	2,797	3,443,609	1.0153	3,496,296		4,397.86	2.1964	1.0099	4,933,089	-	-	(0.5%)	1.0361	3,604,400	73.1%	20.0%
	2016	732	2,430,050	3,320	3,129,159	1.0459	3,272,787	134.7%	4,471.02	1.8642	1.0079	4,565,887	-	-	(0.3%)	1.0288	3,358,626	73.6%	20.0%
	2017	617	2,756,850	4,468	2,339,453	1.4225	3,327,872	120.7%	5,393.63	1.3748	1.0059	3,812,479	-	-	7	1.0216	3,399,754	89.2%	20.0%
	Total/Wtd Avg.	7,694	18,401,630	2,392	29,607,720		30,788,618	167.3%	4,001.64			47,956,844					32,236,807	70.3%	100.0%
Accident Benef																			
sum of: ME,DI,DB,	2008 2009	519 553	22,140 23,279	43 42	120,873 100,912		120,873 100,912		232.90 182.48			301,263 316,762					377,214 286,219	125.2% 90.4%	-
FE,SU,	2010	582	23,279	42	92,124		92,124		158.29			315,796					237,538	75.2%	-
AccBen (indivis		611	24,277	40	240,888		240,888		394.25			330,342					564,652	170.9%	
	2012	639	25,385	40	519,517		519,517		813.02			345,419					1,107,079	320.5%	-
	2013	693	30,167	44	132,466		135,036	447.6%	194.86			360,426					261,531	72.6%	20.0%
	2014	682	49,100	72	116,896		135,518	276.0%	198.71			356,329					238,602	67.0%	20.0%
	2015	675	55,530	82	258,274		281,002		416.30			340,332					449,776	132.2%	20.0%
	2016	608	105,303	173	212,192		255,161	242.3%	419.67			298,618					370,876	124.2%	20.0%
	2017	481	171,827	357	99,425		172,781	100.6%	359.21			248,634					228,002	91.7%	20.0%
Medical Expen	Total/Wtd Avg.	6,043	530,216	88	1,893,567		2,053,812	387.4%	339.87	-		3,213,921					4,121,489	97.5%	100.0%
MF Expen	2008			43		1.0000	_	_		13.6072	1.0000			_					
IVIL	2009		-	43	-	1.0000	-	-		13.6072	1.0000	-		_			-		-
	2010	_	_	40	_	1.0000		-	-	13.6072	1.0000	-	_	_			-	-	-
	2011	-	-	40	-	1.0000		-	-	13.6072	1.0000	-	-	-			-	-	-
	2012	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2013	-	-	44	-	1.0194	-	-	-	11.9477	1.0000	-	-	-			-	-	20.0%
	2014	-	-	72	-	1.1593	-	-	-	7.2572	1.0000	-	-	-			-	-	20.0%
	2015	-	-	82	-	1.0880	-	-	-	6.1288	1.0000	-	-	-			-	-	20.0%
	2016	-	-	173	-	1.2025	-	-	-	2.8358	1.0000	-	-	-			-	-	20.0%
	2017		-	357	-	1.7378	-	-	-	1.4470	1.0000			-			-	-	20.0%
Disability Incor	Total/Wtd Avg.	-	-	933	-		-	-	-			-					-	-	100.0%
DI DISABILITY INCOM	me 2008			43		1.0000				13.6072	1.0000								
UI	2000	-	-	43	-	1.0000	-	-	-	15.0072	1.0000	-	-	_			-	-	-

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		Provincial Los	s Ratio (In	demnity Onl	y)														
as at:	31-Dec-2017				FA Exp	erience				Earne	d Premium Or	n-Level		Ultim	ate Indemnity O	n-Level			
		Earned								Earned	Rating	On-Level		Catastrophe	Other	Loss Cost	Trended	Trended	
Coverage	AY	Exposure	Earned	Avg Earned	Recorded	Loss Develop-	Ultimate		Ultimate Loss	Premium	Character-	Earned	Large Loss	Adjustment	Adjustments /		Ultimate	Ultimate Loss	Accident
_		(excl trailers)	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On- Level Factor	istic Drift Factor	Premium	Load (%)	Load (%)	Loads (%)	Factor	Losses	Ratio	Year Weight
		(1s)	(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)	Level Factor	Factor	(\$1s)					(\$1s)		
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
		[±]	[2]	[3]	[4]	[5]	[O]	[7]	[6]	[9]	[10]	[11]	[12]	[13]	[14]	Regulatory		[17]	[10]
						Exh D-2,										Benchmark	=[6]*(1+[12])*		
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Section C.	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Trends (Exh	(1+[13])*(1+[1	=[16]/[11]	input
																D-5b (ALT))	4])*[15]		
	2009	-	-	42	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2010	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2011	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2012	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2013	-	-	44	-	1.0194	-	-	-	11.9477	1.0000	-	-	-			-	-	20.0%
	2014	-	-	72	-	1.1593	-	-	-	7.2572	1.0000	-	-	-	1		-	-	20.0%
	2015 2016	-	-	82 173	-	1.0880	-	-	-	6.1288	1.0000	-	-	-	1		-	-	20.0%
	2016 2017	-	-	1/3 357	-	1.2025 1.7378	-	-	-	2.8358 1.4470	1.0000 1.0000	-	-	-			-	-	20.0%
	otal/Wtd Avg.	-		933	-	1./3/8				1.4470	1.0000	-	-				-	-	100.0%
Death Benefits	otal, with Avg.	<del></del>		203	-				-			-	_		<del>- +</del>		-		100.0%
DB DEath Belletits	2008	_	_	43	_	1.0000				13.6072	1.0000	-		_			-	-	
	2009	_		42	_	1.0000		-	-	13.6072	1.0000	-	_	_			-		-
	2010	_	_	40	_	1.0000		-	-	13.6072	1.0000	-	_	_			-	-	-
	2011	-	-	40	-	1.0000		-	-	13.6072	1.0000	-	-	-			-	-	-
	2012	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2013	-	-	44	-	1.0194	-	-	-	11.9477	1.0000	-	-	-			-	-	20.0%
	2014	-	-	72	-	1.1593	-	-	-	7.2572	1.0000	-	-	-			-	-	20.0%
	2015	-	-	82	-	1.0880	-	-	-	6.1288	1.0000	-	-	-			-	-	20.0%
	2016	-	-	173	-	1.2025	-	-	-	2.8358	1.0000	-	-	-			-	-	20.0%
	2017	-	-	357	-	1.7378	-	-	-	1.4470	1.0000	-	-	-			-	-	20.0%
	otal/Wtd Avg.		-	933	-		-	-	-			-					-		100.0%
Funeral Expense				42		4 0000				42.6072	4 0000								
FE	2008	-	-	43	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2009 2010	-	-	42 40	-	1.0000 1.0000	-	-	-	13.6072 13.6072	1.0000 1.0000	-	-	-			-	-	-
	2010	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2011			40		1.0000				13.6072	1.0000	-					-		-
	2013		_	44	_	1.0194	-	_	-	11.9477	1.0000	-	_	_			-	-	20.0%
	2014	_	_	72	_	1.1593	-	-	-	7.2572	1.0000	-	_	_			-	_	20.0%
	2015			82	_	1.0880		-	-	6.1288	1.0000	-	_	_			-	-	20.0%
	2016	-	-	173	-	1.2025	-	-	-	2.8358	1.0000	-	-	-			-	-	20.0%
	2017	-	-	357	-	1.7378	-	-	-	1.4470	1.0000	-	-	-			-	-	20.0%
	otal/Wtd Avg.	-	-	933	-		-	-	-			-					-	-	100.0%
Supp. AccBen																			
SU	2008	-	-	43	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2009	-	-	42	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2010	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2011	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2012	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	- 20.00/
	2013	-	-	44	-	1.0194	-	-	-	11.9477	1.0000	-	-	-			-	-	20.0%
	2014 2015	-	-	72 82	-	1.1593 1.0880	-	-	-	7.2572	1.0000 1.0000	-	-	-			-	-	20.0%
	2015	-	-	173	-	1.0880	-	-	-	6.1288 2.8358	1.0000	-	-	-			-	-	20.0% 20.0%
	2016	-	-	357	-	1.7378	-	-	-	1.4470	1.0000	-		_	J		-	-	20.0%
т	otal/Wtd Avg.	-		933	-	1.7370				1.4470	1.0000		<u> </u>					<del></del>	100.0%
AccBen (indivisi				333									-						250.078
AccBen (indivis		519	22,140	43	120,873	1.0000	120,873	545.9%	232.90	13.6072	1.0000	301,263	-	-	0.2%	3.1139	377,214	125.2%	-
	2009	553	23,279		100,912		100,912		182.48	13.6072	1.0000	316,762	-	-	0.2%		286,219	90.4%	-
			,-,,		,		,					/	1		2.270		,		

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FA Experie	ence Projected	Provincial Los	ss Ratio (Inc	lemnity Onl	y)														
as a	t: 31-Dec-2017				FA Expe	erience				Earne	d Premium Or	n-Level		Ultima	ate Indemnity O	n-Level			
		Formal								Earned	Rating	0.1		6.1	0.11	161	<b>*</b>	T	
6	***	Earned	Earned	Avg Earned	Recorded	Loss Develop-	Ultimate	Ultimate Loss	Ultimate Loss	Premium	Character-	On-Level	Large Loss	Catastrophe	Other	Loss Cost	Trended	Trended	Accident
Coverage	AY	Exposure	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On-	istic Drift	Earned	Load (%)	Adjustment	Adjustments /	Projection	Ultimate	Ultimate Loss	Year Weight
		(excl trailers)								Level Factor	Factor	Premium		Load (%)	Loads (%)	Factor	Losses	Ratio	
		(1s)	(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)			(\$1s)					(\$1s)		
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
																Regulatory	=[6]*(1+[12])*		
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Exh D-2,	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Benchmark	(1+[13])*(1+[1	=[16]/[11]	input
		IAAA	IAAA	-[2]/[1]	IAAA	Section C.	-[4] [3]	-[0]/[2]	-[0]/[1]	EXII D-3a	EXII D-4a	-[2] [3] [10]	IIIput	iliput	mpac	Trends (Exh	4])*[15]	-[10]/[11]	input
																D-5b (ALT))			
	2010	582	23,208	40	92,124	1.0000	92,124	396.9%	158.29	13.6072	1.0000	315,796	-	-	0.2%	2.5728	237,538	75.2%	-
	2011	611	24,277	40	240,888	1.0000	240,888	992.2%	394.25	13.6072	1.0000	330,342	-	-	0.2%	2.3389	564,652	170.9%	-
	2012	639	25,385	40	519,517	1.0000	519,517		813.02	13.6072	1.0000	345,419	-	-	0.2%	2.1263	1,107,079	320.5%	-
	2013	693	30,167	44	132,466	1.0194	135,036	447.6%	194.86	11.9477	1.0000	360,426	-	-	0.2%	1.9325	261,531	72.6%	20.0%
	2014	682	49,100	72	116,896	1.1593	135,518		198.71	7.2572	1.0000	356,329	-	-	0.2%	1.7568	238,602	67.0%	20.0%
	2015	675	55,530	82	258,274	1.0880	281,002	506.0%	416.30	6.1288	1.0000	340,332	-	-	0.2%	1.5971	449,776	132.2%	20.0%
	2016	608	105,303	173	212,192	1.2025	255,161	242.3%	419.67	2.8358	1.0000	298,618	-	-	0.1%	1.4519	370,876	124.2%	20.0%
	2017	481	171,827	357	99,425	1.7378	172,781	100.6%	359.21	1.4470	1.0000	248,634	-	-	-	1.3196	228,002	91.7%	20.0%
	Total/Wtd Avg.	6,043	530,216	88	1,893,567		2,053,812	387.4%	339.87			3,213,921					4,121,489	97.5%	100.0%
Uninsured Au																			
UA	2008	719	4,667	6	15,326	1.0000	15,326		21.32	23.1459	1.0000	108,022	-	-	-	3.1139	47,724	44.2%	-
	2009	758	5,162	7	102,310	1.0000	102,310		134.97	23.1459	1.0000	119,479	-	-	-	2.8301	289,548	242.3%	-
	2010	776	5,266	7	36,284	1.0000	36,284	689.0%	46.76	23.1459	1.0000	121,886	-	-	-	2.5728	93,351	76.6%	-
	2011	793	5,362	7	158,786	1.0000	158,786		200.23	23.1459	1.0000	124,108	-	-	-	2.3389	371,385	299.2%	-
	2012	816	5,532	7	37,865	1.0000	37,865		46.40	23.1459	1.0000	128,043	-	-	-	2.1263	80,512	62.9%	
	2013	854	7,749	9	130,620	1.0000	130,620		152.95	20.0571	1.0000	155,422	-	-	-	1.9325	252,423	162.4%	20.0%
	2014	826	16,178	20	254,422	1.0200	259,510		314.18	12.2608	1.0000	198,355	-	-	-	1.7568	455,907	229.8%	20.0%
	2015	803	18,178	23	43,239	1.2644	54,671	300.8%	68.08	10.2871	1.0000	186,999	-	-	-	1.5971	87,315	46.7%	20.0%
	2016	733	39,464	54	112,472	1.3321	149,824		204.40	4.1656	1.0000	164,391	-	-	-	1.4519	217,529	132.3%	20.0%
	2017 Total/Wtd Avg.	7,692	80,635 188,193	131 24	95,054 986,378	2.8305	269,050 1,214,246	333.7% 645.2%	438.19 157.86	1.8244	1.0000	147,110 1,453,815		-	-	1.3196	355,038 2,250,732	241.3% 162.5%	20.0%
Harda da a a		7,692	188,193	24	980,378		1,214,246	645.2%	157.86			1,453,815					2,250,732	102.5%	100.0%
Underinsure						1.0000				1.0000	1 0000					1.0000			
UM	2008 2009	_	-	-	-	1.0000	-		-	1.0000	1.0000 1.0000	-	_	-	-	1.0000	-	-	-
	2010	-	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	-
	2010	_	-	-		1.0000	-		-	1.0000	1.0000	-	_	-	-	1.0000	-	-	-
	2011	-	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	-
	2013		_	-	_	1.0000	-	_		1.0000	1.0000	-				1.0000	-		20.0%
	2013			-		0.9985		-		1.0000	1.0000	-				1.0000	-		20.0%
	2015	_	(1)		_	1.0185	_	_		1.0000	1.0000	(1)	_	_	_	1.0000		_	20.0%
	2016	(1)	(24)		_	1.0483	_	-	_	1.0000	1.0000	(24)	_	_	_	1.0000	-	_	20.0%
	2017	- (-)	(3)		_	1.5117	-	-		1,0000	1.0000	(3)	_	-	_	1.0000	-	-	20.0%
	Total/Wtd Avg.	(1)	(28)	28	-		-	-	-			(28)					-	-	100.0%
Collision			` ,									· · ·							
CL	2008	27	35,099	1,300	11,450	1.0000	11,450	32.6%	424.07	0.5065	1.3881	24,677	-	-	-	1.0000	11,450	46.4%	-
	2009	21	32,294	1,538	1,870	1.0000	1,870		89.05	0.5065	1.3505	22,090	-	-	-	1.0000	1,870	8.5%	-
	2010	28	39,255	1,402	-	1.0000	-	-	-	0.5152	1.3138	26,571	-	-	-	1.0000	-	-	-
	2011	36	43,999	1,222	11,380	1.0000	11,380		316.11	0.5732	1.2781	32,234	-	-	-	1.0000	11,380	35.3%	-
	2012	46	57,659	1,253	4,810	1.0000	4,810		104.57	0.5828	1.2434	41,783	-	-	-	1.0000	4,810	11.5%	-
	2013	49	60,424	1,233	16,908	1.0000	16,908	28.0%	345.06	0.5828	1.2097	42,600	-	-	-	1.0000	16,908	39.7%	20.0%
	2014	51	65,370	1,282	29,723	1.0000	29,723	45.5%	582.80	0.6100	1.1768	46,926	-	-	-	1.0000	29,723	63.3%	20.0%
	2015	64	69,158	1,081	93,771	1.0000	93,771	135.6%	1,465.17	0.6133	1.1449	48,560	-	-	-	1.0000	93,771	193.1%	20.0%
	2016	81	81,974	1,012	63,425	0.9895	62,759		774.80	0.6754	1.1138	61,666	-	-	-	1.0000	62,759	101.8%	20.0%
	2017	93	78,599	845	120,168	0.8802	105,772		1,137.33	0.8962	1.0837	76,336	-	-	-	1.0000	105,772	138.6%	20.0%
	Total/Wtd Avg.	496	563,831	1,137	353,505		338,443	60.0%	682.34			423,443					338,443	107.3%	100.0%
Comp																			
CM	2008	46	16,090	350	2,086	1.0000	2,086	13.0%	45.35	0.5358	1.5033	12,960	-	-	-	1.5959	3,329	25.7%	-
	2009	52	21,392	411	17,353	1.0000	17,353	81.1%	333.71	0.5358	1.4529	16,653	-	-	-	1.5343	26,625	159.9%	-
	2010	62	24,008	387	2,052	1.0000	2,052	8.5%	33.10	0.5547	1.4039	18,696	-	-	-	1.4753	3,027	16.2%	-

Project ID: NL-2018Q2-TX

Exh D-1

	:: 31-Dec-2017		o natio (int	aciminey Oil	FA Expe	rionco				Formo	d Premium O	n Lovel		Ultimo	te Indemnity O	n Lovel			
dS dI	31-Det-2017	-			FA EXPE	rience				Earned	Rating	III-Level	-	Oitilla	ite indeminity O	II-Level			
		Earned	Earned	Avg Earned	Recorded	Loss Develop-	Ultimate	Ultimate Loss	I Iltimata Loss	Premium	Character-	On-Level	Large Loss	Catastrophe	Other	Loss Cost	Trended	Trended	Accident
Coverage	AY	Exposure	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On-	istic Drift	Earned	Load (%)	Adjustment	Adjustments /	Projection	Ultimate	Ultimate Loss	Year Weight
		(excl trailers)	Premium	Premium	indennity	ment ractor	indemnity	Ratio	COSIS	Level Factor	Factor	Premium	LUau (%)	Load (%)	Loads (%)	Factor	Losses	Ratio	rear weight
		(1s)	(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)	Level Factor	Factor	(\$1s)					(\$1s)		
	_	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
		1-1	1-1	(-)		1-1	1-3		(-)	1-1	()	11	()	[]	13	Regulatory		1=-1	[==]
						Exh D-2,										Benchmark	=[6]*(1+[12])*		
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Section C.	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Trends (Exh	(1+[13])*(1+[1	=[16]/[11]	input
																D-5b (ALT))	4])*[15]		
	2011	67	19,150	286	1,866	1.0000	1,866	9.7%	27.85	0.7242	1.3567	18,815	-	-	-	1.4186	2,647	14.1%	-
	2012	79	22,343	283	34,001	1.0000	34,001	152.2%	430.39	0.7632	1.3110	22,355	-	-	-	1.3640	46,377	207.5%	-
	2013	100	28,908	289	8,085	1.0000	8,085	28.0%	80.85	0.7632	1.2671	27,956	-	-	-	1.3114	10,603	37.9%	20.0%
	2014	115	33,299	290	25,924	1.0000	25,924	77.9%	225.43	0.7885	1.2243	32,146	-	-	-	1.2610	32,690	101.7%	20.0%
	2015	127	40,216	317	1,382	1.0000	1,382	3.4%	10.88	0.7707	1.1832	36,673	-	-	-	1.2125	1,676	4.6%	20.0%
	2016	124	43,938	354	45,691	1.0000	45,691	104.0%	368.48	0.7774	1.1434	39,056	-	-	-	1.1658	53,267	136.4%	20.0%
	2017	116	39,963	345	52,798	1.0498	55,427	138.7%	477.82	0.8942	1.1050			-	-	1.1209	62,128	157.3%	20.0%
	Total/Wtd Avg.	888	289,307	326	191,238		193,867	67.0%	218.32			264,797					242,369	87.6%	100.0%
Specified Peri																			
SP	2008	219	31,706	145	8,695	1.0000	8,695	27.4%	39.70	0.4647	1.5033		-	-	-	1.5959	13,876	62.6%	-
	2009	254	42,622	168	14,913	1.0000	14,913	35.0%	58.71	0.4647	1.4529		-	-	-	1.5343	22,881	79.5%	-
	2010	249	41,744	168	7,395	1.0000	7,395	17.7%	29.70	0.4835	1.4039		-	-	-	1.4753	10,910	38.5%	-
	2011	241	30,887	128	16,112	1.0000	16,112	52.2%	66.85	0.6722	1.3567	28,168	-	-	-	1.4186	22,856	81.1%	-
	2012	235	29,843	127	32,391	1.0000	32,391	108.5%	137.83	0.7250	1.3110		-	-	-	1.3640	44,181	155.8%	-
	2013	231	29,306	127	15,038	1.0000	15,038	51.3%	65.10	0.7250	1.2671		-	-	-	1.3114	19,721	73.3%	20.0%
	2014	220	27,075	123	-	1.0000	-	-	-	0.7978	1.2243		-	-	-	1.2610		-	20.0%
	2015	226	25,539	113	13,377	1.0000	13,377	52.4%	59.19	1.0312	1.1832		-	-	-	1.2125	16,220	52.1%	20.0%
	2016	206	26,263	127	5,019	1.0000	5,019	19.1%	24.36	1.0612	1.1434		-	-	-	1.1658	5,851	18.4%	20.0%
	2017	177	27,713	157	12,561	1.1574	14,538	52.5%	82.14	0.9295	1.1050	28,464		-	-	1.1209	16,296	57.3%	20.0%
	Total/Wtd Avg.	2,258	312,698	138	125,501		127,478	40.8%	56.46			280,653					172,792	40.2%	100.0%
All Perils																			
AP	2008	1	1,364	1,364	-	1.0000	-	-	-	0.5176	0.9534		-	-	-	1.5959	-	-	-
	2009	1	884	884	-	1.0000	-	-	-	0.5176	0.9572		-	-	-	1.5343	-	-	-
	2010	1	1,530	1,530	-	1.0000	-	-	-	0.5299	0.9610		-	-	-	1.4753	-	-	-
	2011	2	1,958	979	-	1.0000	-	-	-	0.6240	0.9649		-	-	-	1.4186	-	-	-
	2012	2	2,407	1,204	-	1.0000	-	-	740.60	0.6421	0.9688	, .	-	-	-	1.3640	7.054	- 02.20/	-
	2013	8	13,644	1,706	5,997	1.0000	5,997	44.0%	749.63	0.6421	0.9726		-	-	-	1.3114		92.3%	20.0%
	2014	12 6	18,003	1,500	8,823	1.0000	8,823	49.0%	735.25	0.6693	0.9766		-	-	-	1.2610	11,126	94.6%	20.0%
	2015		7,274	1,212	-	1.0000	-		-	0.6666	0.9805		-	-	-	1.2125	-	-	20.0%
	2016	-	441	441	-	1.0000	-	•	-	0.7120	0.9844	309	-	-	-	1.1658	-	-	20.0%
	2017 Total/Wtd Avg.	- 33	47,505	1,440	14.820	1.0000	14.820	31.2%	449.09	0.8953	0.9884	29,917		-	-	1.1209	18.990	37.4%	20.0% 100.0%
-	TOTAL VVIU AVE.		47,303	1,440	14,020		14,020	31.2%	449.09			29,917					10,990	37.470	100.0%

176,134

110,186

213,734

285,616

325,612

Facility Association Residual Market (FARM)
Jurisidiction: Newfoundland & Labrador
Vehicle Type: Taxi

Project ID: NL-2018Q2-TX

Exh D-2

OW prior question 9

Loss Develo	pment Factors			Val Market	: FARM	\	/al Jurisdiction	: NL	Val Bu	siness Segment:	non-PPV						
as at:	31-Dec-2017	A. Selected Ulti	mate Indemnity	y by Minor Cox	erage Type												
	Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils
•	<u>.</u>	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
		2017 Q4	2017 Q4	2017 Q4		2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4 FARM	2017 Q4	2017 Q4	2017 Q4	2017 Q4
	(\$1s)	FARM	FARM	FARM	=sum([1]to[3])	FARM	FARM	FARM	FARM	FARM	FARM	FARM	valuation	FARM	FARM	FARM	FARM
_		valuation	valuation	valuation		valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation
	2008	2,812,640	371,054	-	3,183,694						161,065	49,800	-	100,812	20,439	32,767	46,266
	2009	2,531,941	464,019	-	2,995,960						163,932	102,310	-	65,577	96,295	29,002	18,724
	2010	3,661,926	459,985	-	4,121,911						323,108	234,666	500,150	36,290	7,541	37,965	69,890
	2011	3,685,228	735,945	-	4,421,173						313,280	242,343	-	52,393	289,554	149,787	35,728
	2012	5,179,476	613,466	-	5,792,942						743,320	37,865	-	176,944	134,406	139,454	50,445
	2013	3,097,152	512,552	-	3,609,704						210,718	130,620	-	176,134	70,920	61,131	37,462
	2014	3,240,945	747,417	-	3,988,362						196,439	305,422	4,000	110,186	81,905	37,028	21,534
	2015	4,524,817	931,641	-	5,456,458						531,551	90,862	10,000	213,734	117,304	87,170	494,385
	2016	4,207,338	851,802	-	5,059,140						374,050	252,698	19,000	282,616	221,484	51,530	-
	2017	3,217,004	735,857	-	3,952,861						259,095	269,054	27,000	286,612	210,866	95,585	-
diagonal:	31-Dec-2017	B. Recorded Inc	demnity by Min	or Coverage Ty	уре												
	Accident Year	Bodily Injury	Property	DCPD	TPL (indivisible)	Medical	Disability	Death Benefits	Funeral	Supp. AccBen	AccBen	Uninsured	Underinsured	Collision	Comp	Specified	All Perils
	/ tedacine real		Damage		, ,	Expenses	Income		Expenses	• • • • • • • • • • • • • • • • • • • •	(indivisible)	Automobile	Motorist			Perils	
		[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]
	(\$1s)	2017 Q4	2017 Q4	2017 Q4	=sum([17]to	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4 FARM	2017 Q4	2017 Q4	2017 Q4	2017 Q4
		FARM Data	FARM Data	FARM Data	[19])	FARM Data	FARM Data	FARM Data	FARM Data	FARM Data	FARM Data	FARM Data	Data	FARM Data	FARM Data	FARM Data	FARM Data
	2008	2,812,640	371,054	-	3,183,694	127,209	32,856		1,000	-	161,065	49,800	-	100,812	20,439	32,767	46,266
	2009	2,531,941	464,019	-	2,995,960	119,184	44,748		-	-	163,932	102,310	-	65,577	96,295	29,002	18,724
	2010	3,661,926	459,985	-	4,121,911	135,990	173,118	-,	1,000		323,108	234,666	500,150	36,290	7,541	37,965	69,890
	2011	3,685,228	735,945	-	4,421,173	199,975	112,305		1,000	-	313,280	242,343	-	52,393	289,554	149,787	35,728
	2012	5,179,476	613,466	-	5,792,942	207,130	536,190	-	-	-	743,320	37,865	-	176,944	134,406	139,454	50,445

	C. Implied Loss	Development F	actor													
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils
	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]	[47]	[48]
	=if(or([5]=0,[1 7]=0),[36],[1]/[ 17])	=if(or([5]=0,[1 8]=0),[36],[2]/[ 18])	=if(or([5]=0,[1 9]=0),[36],[3]/[ 19])		=if(or([5]=0,[2 1]=0),[42],[5]/[ 21])	=if(or([5]=0,[2 2]=0),[42],[6]/[ 22])			=if(or([5]=0,[2 5]=0),[42],[9]/[ 25])	=[10]/[26]	=if([27]=0,[42], [11]/[27])	=if([28]=0,[33],[ 12]/[28])	=[13]/[29]	=[14]/[30]	=[15]/[31]	=[16]/[32]
2008	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2009	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2010	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2011	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2012	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2013	1.0000	1.0000	1.0000	1.0000	1.0194	1.0194	1.0194	1.0194	1.0194	1.0194	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2014	0.9985	1.0000	0.9987	0.9987	1.1593	1.1593	1.1593	1.1593	1.1593	1.1593	1.0200	0.9985	1.0000	1.0000	1.0000	1.0000
2015	1.0185	1.0000	1.0153	1.0153	1.0880	1.0880	1.0880	1.0880	1.0880	1.0880	1.2644	1.0185	1.0000	1.0000	1.0000	1.0000
2016	1.0483	1.0340	1.0459	1.0459	1.2025	1.2025	1.2025	1.2025	1.2025	1.2025	1.3321	1.0483	0.9895	1.0000	1.0000	1.0000
2017	1.5117	1.1306	1.4225	1.4225	1.7378	1.7378	1.7378	1.7378	1.7378	1.7378	2.8305	1.5117	0.8802	1.0498	1.1574	1.0000

1,000

2,000

1,000

206,718

169,439

488,551

311,050

149,095

130,620

299,422

71,862

189,698

95,054

3,097,152

3,245,945

4,442,817

4,013,338

2,128,004

2013 2014

2015

2016

2017

512,552

747,417

931,641

823,802

650,857

3,609,704

3,993,362

5,374,458

4,837,140

2,778,861

162,676

149,222

354,784

271,343

120,277

33,042

18,217

132,767

39,707

28,818

10,000

61,131

37,028

87,170

51,530

82,585

37,462

21,534

494,385

70,920

81,905

117,304

221,484

200,866

type: Reg. Benchmark market: INDUSTRY rating class: CV

Vehicle Type: Taxi Project ID: NL-2018Q2-TX

Exh D-5a

#### **Summary - Loss Cost Projection Factors**

as at: 30-Jun-17

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all

Exh D-5a Page 10 of 16

Loss Cost Proje	ction Factors to	29-May-2020			As per Exh D-5l	b (ALT)				
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
	Exh D-5b (ALT), column[1]	Exh D-5b (ALT), column[2]	Exh D-5b (ALT), column[3]	Exh D-5b (ALT), column[4]	Exh D-5b (ALT), column[5]	Exh D-5b (ALT), column[6]	Exh D-5b (ALT), column[7]	Exh D-5b (ALT), column[8]	Exh D-5b (ALT), column[9]	Exh D-5b (ALT), column[10]
2008	1.0000	1.3422	1.3422	1.0843	3.1139	3.1139	1.0000	1.0000	1.5959	1.5959
2009	1.0000	1.3093	1.3093	1.0776	2.8301	2.8301	1.0000	1.0000	1.5343	1.5343
2010	1.0000	1.2774	1.2774	1.0709	2.5728	2.5728	1.0000	1.0000	1.4753	1.4753
2011	1.0000	1.2462	1.2462	1.0641	2.3389	2.3389	1.0000	1.0000	1.4186	1.4186
2012	1.0000	1.2159	1.2159	1.0572	2.1263	2.1263	1.0000	1.0000	1.3640	1.3640
2013	1.0000	1.1861	1.1861	1.0502	1.9325	1.9325	1.0000	1.0000	1.3114	1.3114
2014	1.0000	1.1572	1.1572	1.0432	1.7568	1.7568	1.0000	1.0000	1.2610	1.2610
2015	1.0000	1.1290	1.1290	1.0361	1.5971	1.5971	1.0000	1.0000	1.2125	1.2125
2016	1.0000	1.1014	1.1014	1.0288	1.4519	1.4519	1.0000	1.0000	1.1658	1.1658
2017	1.0000	1.0745	1.0745	1.0216	1.3196	1.3196	1.0000	1.0000	1.1209	1.1209

Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	All Perils	Total
[11]	[12]	[13]	[14]	[15]	[16]	[17]
Exh D-5b (ALT), column[11]	Exh D-5b (ALT), column[12]	Exh D-5b (ALT), column[13]	Exh D-5b (ALT), column[14]	Exh D-5b (ALT), column[15]	Exh D-5b (ALT), column[16]	Exh D-5b (ALT), column
					1.5959	0.1293
					1.5343	0.1298
					1.4753	0.1349
					1.4186	0.1384
					1.3640	0.1433
					1.3114	0.1505
					1.2610	0.1590
					1.2125	0.1677
					1.1658	0.1731
					1.1209	0.1845

	Total	
	[17]	
	Exh D-5b (ALT), column	
9	0.1293	
3	0.1298	
3	0.1349	
6	0.1384	
0	0.1433	
4	0.1505	
0	0.1590	
5	0.1677	
8	0.1731	
9	0.1845	

#### **Modeled Loss Cost** As per Exh D-5b (ALT) (1s) unless otherwise indicated

(13)	diffees other wis	C III di la ca								
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils
	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]
					LC Model					
	LC Model	LC Model	LC Model	=sum([18] to	Output +	LC Model	LC Model	LC Model	LC Model	LC Model
	Output	Output	Output	[20])	sum([28] to	Output	Output	Output	Output	Output
	33,530			(1)	[32])					
2008	257.02	84.08	-	341.10	6.98	2.00	0.76	141.01	79.75	25.04
2009	257.02	86.19	-	343.21	7.68	2.20	0.76	141.01	82.95	26.05
2010	257.02	88.34	-	345.36	8.45	2.42	0.76	141.01	86.27	27.09
2011	257.02	90.55	-	347.57	9.29	2.66	0.76	141.01	89.72	28.17
2012	257.02	92.81	-	349.83	10.22	2.93	0.76	141.01	93.31	29.30
2013	257.02	95.14	-	352.16	11.25	3.22	0.76	141.01	97.05	30.48
2014	257.02	97.52	-	354.54	12.38	3.54	0.76	141.01	100.93	31.70
2015	257.02	99.96	-	356.98	13.62	3.89	0.76	141.01	104.97	32.97
2016	257.02	102.46	-	359.48	14.98	4.28	0.76	141.01	109.17	34.29
2017	257.02	105.02	-	362.04	16.48	4.71	0.76	141.01	113.54	35.66

364.66

367.35

370.10

372.93

375.84

Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	All Perils
[28]	[29]	[30]	[31]	[32]	[33]
LC Model Output	LC Model Output	LC Model Output	LC Model Output	LC Model Output	=2/3*[25] + 1/3*[26])
					92.61
					96.33
					100.18
					104.18
					108.35
					112.70
					117.20
					121.89
					126.77
-	-	-	-	-	131.85
					137.12
					142.61
					148.31
					154.27
					160.43

6	Total
	[34]
+	average using
)	FARM
,	exposures
61	366.08
33	369.26
18	374.77
18	380.19
35	386.45
70	393.36
20	401.55
89	410.89
77	419.95
85	432.41
12	438.04
61	443.98
31	450.22
27	456.82
43	463.78

### @ projected avg accident date:

257.02

257.02

257.02

257.02

257.02

weights by AY:

weights by AY:

107.64

110.33

113.08

115.91

118.82

2018

2019

2020

2021

2022

## As per Exh D-5b (ALT)

5.18

5.70

6.27

6.90

7.59

91.0%

0.76

0.76

0.76

0.76

0.76

141.01

141.01

141.01

141.01

141.01

prior analysis											
30-Sep-2018	257.02	108.30		365.32	18.58	5.31	0.76	141.01	119.25	37.46	
,	weights by AY:	2018	75.3%		2019	24.7%					

2020

18.13

19.94

21.94

24.14

26.56

	138.48	439.51

current analysis	s					
29-May-2020	257.02	112.83	-	369.85	21.76	6.22

**2019** 9.0%

-May-2020	257.02	112.83	-	369.85	21.76	6.22	0.76	141.01	127.28	39.98	147.80	449.66

118.08

122.81

127.72

132.85

138.16

37.09

38.58

40.12

41.73

43.40

Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi

Loss Cost Projection Factors to 29-May-2020

1.0000

Project ID: NL-2018Q2-TX Exh D-5b (ALT)

Accident Year Bodily Injury

2008

Summary - Loss Cost Projection Factors (ALTERNATIVE BASIS - CONSISTENT WITH REGULATORY BENCHMARKS)

TPL

(indivisible)

[4]

1.0843

DCPD

[3]

1.3422

Damage

[2]

1.3422

AccBen

(indivisible)

[5]

3.1139

=(1+trend rate)^([May 29 2020]-[average AY loss date])/365)

Automobile

3.1139

Uninsured Underinsured

Motorist

[7]

1.0000

Collision

[8]

1.0000

Comp

[9]

1.5959

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all

Funeral

Expenses

[14]

Exh D-5b (ALT) Page 11 of 16

TOTAL

[17]

Medical

Expenses

Specified

Perils

[10]

1.5959

INDUSTRY Rating Class:

Disability

Income

[12]

Death Benefits

as at: 30-Jun-2017

Supp. AccBen

[15]

All Perils

[16]

1.5959

2009	1.0000	1.3093	1.3093	1.0776	2.8301	2.8301	1.0000	1.0000	1.5343	1.5343						1.5343	0.1298
2010	1.0000	1.2774	1.2774	1.0709	2.5728	2.5728	1.0000	1.0000	1.4753	1.4753						1.4753	0.1349
2011	1.0000	1.2462	1.2462	1.0641	2.3389	2.3389	1.0000	1.0000	1.4186	1.4186						1.4186	0.1384
2012	1.0000	1.2159	1.2159	1.0572	2.1263	2.1263	1.0000	1.0000	1.3640	1.3640						1.3640	0.1433
2013	1.0000	1.1861	1.1861	1.0502	1.9325	1.9325	1.0000	1.0000	1.3114	1.3114						1.3114	0.1505
2014	1.0000	1.1572	1.1572	1.0432	1.7568	1.7568	1.0000	1.0000	1.2610	1.2610						1.2610	0.1590
2015	1.0000	1.1290	1.1290	1.0361	1.5971	1.5971	1.0000	1.0000	1.2125	1.2125						1.2125	0.1677
2016	1.0000	1.1014	1.1014	1.0288	1.4519	1.4519	1.0000	1.0000	1.1658	1.1658						1.1658	0.1731
2017	1.0000	1.0745	1.0745	1.0216	1.3196	1.3196	1.0000	1.0000	1.1209	1.1209						1.1209	0.1845
2018	1.0000	1.0483	1.0483	1.0142	1.1996	1.1996	1.0000	1.0000	1.0778	1.0778						1.0778	0.1821
2019	1.0000	1.0227	1.0227	1.0068	1.0906	1.0906	1.0000	1.0000	1.0363	1.0363						1.0363	0.1797
2020	1.0000	0.9978	0.9978	0.9993	0.9914	0.9914	1.0000	1.0000	0.9965	0.9965						0.9965	0.1772
2021	1.0000	0.9734	0.9734	0.9917	0.9011	0.9011	1.0000	1.0000	0.9580	0.9580						0.9580	0.1747
2022	1.0000	0.9496	0.9496	0.9841	0.8191	0.8191	1.0000	1.0000	0.9212	0.9212						0.9212	0.1721
trend rate Estimated Loss (1s)	0.00% Amount	<b>2.50%</b> Exh D-5b, FARN	2.50% 1 exposure x Inc	dustry Modeled	<b>10.00%</b> loss cost	10.00%	<b>0.00%</b> uses AY 2017 fro	0.00% om Exh D-5b as st	4.00% carting point	4.00%						4.00%	
		Property		TPL	AccBen	Uninsured	Underinsured			Specified	Medical	Disability		Funeral			
Accident Year	Bodily Injury	Damage	DCPD	(indivisible)	(indivisible)	Automobile	Motorist	Collision	Comp	Perils	Expenses	Income	Death Benefits	Expenses	Supp. AccBen	All Perils	TOTAL
-	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34]
																	average using
	calculated	calculated	calculated	calculated	calculated		calculated from		calculated	calculated	calculated	calculated	calculated	calculated	calculated	calculated	FARM
	from Exh D-5b 1	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5l	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	exposures
2008	257.02	84.08	-	341.10	6.98	2.00	0.76	141.01	79.75	25.04						92.61	366.08
2009	257.02	86.19	-	343.21	7.68	2.20	0.76	141.01	82.95	26.05						96.33	369.26
2010	257.02	88.34	-	345.36	8.45	2.42	0.76	141.01	86.27	27.09						100.18	374.77
2011	257.02	90.55	-	347.57	9.29	2.66	0.76	141.01	89.72	28.17						104.18	380.19
2012	257.02	92.81	-	349.83	10.22	2.93	0.76	141.01	93.31	29.30						108.35	386.45
2013	257.02	95.14	-	352.16	11.25	3.22	0.76	141.01	97.05	30.48						112.70	393.36
2014	257.02	97.52	-	354.54	12.38	3.54	0.76	141.01	100.93	31.70						117.20	401.55
2015	257.02	99.96	-	356.98	13.62	3.89	0.76	141.01	104.97	32.97						121.89	410.89
2016	257.02	102.46	-	359.48	14.98	4.28	0.76	141.01	109.17	34.29						126.77	419.95
2017	257.02	105.02	-	362.04	16.48	4.71	0.76	141.01	113.54	35.66	-	-	-	-	-	131.85	432.41
2018	257.02	107.64	-	364.66	18.13	5.18	0.76	141.01	118.08	37.09						137.12	438.04
2019	257.02	110.33		367.35	19.94	5.70	0.76	141.01	122.81	38.58						142.61	443.98
2020	257.02	113.08	-	370.10	21.94	6.27	0.76	141.01	127.72	40.12						148.31	450.22
2021	257.02	115.91	-	372.93	24.14	6.90	0.76	141.01	132.85	41.73						154.27	456.82
2022	257.02	118.82	-	375.84	26.56	7.59	0.76	141.01	138.16	43.40						160.43	463.78
prior analysis 30-Sep-2018	g accident date: 257.02 weights by AY:	108.30	- 75.3%	365.32	18.58 2019	5.31	0.76	141.01	119.25	37.46						138.48	439.51
current analysis																	
29-May-2020	257.02	112.83	-	369.85	21.76	6.22	0.76	141.01	127.28	39.98						147.80	449.66
,	weights by AY:	2019	9.0%		2020	91.0%											

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all

Exh D-5b (ALT) Page 12 of 16

Vehicle Type: Taxi Project ID: NL-2018Q2-TX Exh D-5b (ALT)

## Summary - Loss Cost Projection Factors (ALTERNATIVE BASIS - CONSISTENT WITH REGULATORY BENCHMARKS)

INDUSTRY Rating Class: as at: 30-Jun-2017

Earned Exposu	re (excl trailers)		FARM		as at:	31-Dec-2017				
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils
	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]
	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX data	FARM AIX	FARM AIX	FARM AIX
	data	data	data	data	data	data	FARIVI AIX Uata	data	data	data
2008	-	-	-	725	519	719	-	27	46	219
2009	-	-	-	764	553	758	-	21	52	254
2010	-	-	-	780	582	776	-	28	62	249
2011	-	-	-	793	611	793	-	36	67	24:
2012	-	-	-	816	639	816	-	46	79	23!
2013	-	-	-	852	693	854	-	49	100	23:
2014	-	-	-	820	682	826	-	51	115	220
2015	-	-	-	795	675	803	-	64	127	220
2016	-	-	-	732	608	733	(1)	81	124	206
2017	-	-	-	617	481	614	-	93	116	17
2018	-	-	-	617	481	614	-	93	116	177
2019	-	-		617	481	614		93	116	17
2020	-	-	-	617	481	614	-	93	116	177
2021	-	-		617	481	614		93	116	17
2022	-	-	-	617	481	614	-	93	116	177

Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	All Perils	Total
[45]	[46]	[47]	[48]	[49]	[50]	[51]
FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	=max([1] to
data	data	data	data	data	data	[3])+[4]
-	-	-	-		1	725
-	-	-	-	-	1	764
-	-	-	-	-	1	780
-	-	-	-	-	2	793
-	-	-	-	-	2	816
-	-	-	-	-	8	852
-	-	-	-	-	12	820
-	-	-	-	-	6	795
-	-	-	-	-	-	732
-	-	-	-	-	-	617
-	-	-	-	-	-	617
-	-	-	-	-		617
-	-	-	-	-	-	617
-	-	-	-	-	-	617
-	-	-	-	-	-	617

Facility Association Residual Market (FARM)

Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi

Project ID: NL-2018Q2-TX

jurisdiction (short form): NL major rating class: PUB

minor rating class: TX rating type: all

# Exh F-1

# Interest Rate Selection for Discount and Cost of Capital Calculations Based on Canadian Treasury and Canada Bonds Yields

		Н	listorical Yields		
Year	91-day	1-3 yr	3-5 yr	5-10 yr	10+ yr
	[1]	[2]	[3]	[4]	[5]
2008	2.41	2.66	2.96	3.36	4.04
2009	0.35	1.21	2.15	2.84	3.89
2010	0.60	1.48	2.21	2.88	3.66
2011	0.92	1.38	1.85	2.47	3.21
2012	0.98	1.12	1.30	1.63	2.33
2013	0.97	1.12	1.48	1.99	2.72
2014	0.91	1.05	1.38	1.87	2.60
2015	0.50	0.53	0.66	1.19	2.02
2016	0.50	0.58	0.68	1.02	1.80
2017	0.71	1.10	1.31	1.61	2.18
5-yr avg					
2008-2012	1.05	1.57	2.09	2.64	3.43
2013-2017	0.72	0.88	1.10	1.54	2.26
5-yr std dev					
2008-2012	0.80	0.63	0.60	0.65	0.69
2013-2017	0.22	0.29	0.40	0.42	0.39

Above from the Canadian Institute of Actuary

Report on Canadian Economic Statistics, 1924-2017, Table 4A

<b>Current Risk Free Yield</b>	ds (basis points)				W	gted avg
4/30/2018	1.20	1.88	2.12	2.30	2.45	1.94
weights:	9.0%	51.0%	28.0%	10.0%	2.0%	
avg maturity:	3.2 years	(weig	ghted based on clain	ns payment patterns	)	
	578	3,197	1,769	654	64	6,262

BoC at 2018-04-30 http://www.bankofcanada.ca/rates/interest-rates

Selected Gross Yield:	2.95%
Investment Expenses (rounded):	0.15%
Selected Net Yield:	2.80%

Exh F-1

Page 13 of 16

jurisdiction (short form): NL Exh F-2 major rating class: PUB Page 14 of 16

Jurisidiction: Newfoundland & Labrador Vehicle Type: Taxi

Project ID: NL-2018Q2-TX

Exh F-2

## Present Value Factors - Claim Amounts - Facility Association

Discount Rate 2.80%

Accident Yea	r Estimated	Payment Pa	ttern by Dev	elopment Ag	ge	Val Market:	FARM		Val Jurisdiction:	NL	Val Bu	siness Segment:	non-PPV			as at:	Dec 31 2017
Development Age	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	Present Value Factor
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]
	·	•		Emergence Model Output		=[5]	=[1]	Emergence Model Output		=[9]	=[8]	·		Emergence Model Output	·		=(1+[dsct rate])^{-1* ([dev'l age]- 6)/12}
12	2.0%	61.2%	100.0%	10.2%	19.8%	19.8%	2.0%	94.3%	87.0%	87.0%	94.3%	100.0%	100.0%	100.0%	100.0%	100.0%	0.9863
24	15.7%	34.3%	-	18.4%	37.7%	37.7%	15.7%	8.5%	13.0%	13.0%	8.5%	-	-	-	-	-	0.9594
36	28.4%	2.8%	-	24.7%	18.4%	18.4%	28.4%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.9333
48	24.9%	0.4%	-	21.4%	9.9%	9.9%		(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.9079
60	13.9%	0.4%	-	12.0%	4.5%	4.5%	13.9%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.8831
72	6.6%	0.4%	-	5.7%	7.3%	7.3%		(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.8591
84	4.6%	0.4%	-	4.0%	2.4%	2.4%	4.6%	-	-	-	-	-	-	-	-	-	0.8357
96	1.9%	0.1%	-	1.7%	-	-	1.9%	-	-	-	-	-	-	-	-	-	0.8129
108	0.4%	-	-	0.3%	-	-	0.4%	-	-	-	-	-	-	-	-	-	0.7908
120	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7692
132	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7483
144	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7279
156	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7081
168	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6888
180	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6700
192	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6518
204	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6340
216	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6168
228	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6000
240	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5836
252	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5677
264	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5523
276	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5372
288	0.2%	-	-	0.2%	-	-	0.2%	-	-	-	-	-	-	-	-	-	0.5226
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

minor rating class: TX

rating type: all

jurisdiction (short form): NL Exh F-2 major rating class: PUB Page 15 of 16

Jurisidiction: Newfoundland & Labrador Vehicle Type: Taxi Project ID: NL-2018Q2-TX

Exh F-2

Present Value Factors - Claim Amounts - Facility Association

Discount Rate 2.80%

Policy Year Estimated Payment Pattern by Development Age

Development Age	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	Present Value Factor
	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34] =(1+[dsct
	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	rate])^{-1*
	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	([dev'l age]-
																	6)/12}
12	0.6%	30.4%	50.0%	4.8%	9.7%	9.7%	0.6%	47.2%	43.5%	43.5%	47.2%	50.0%	50.0%	50.0%	50.0%	50.0%	0.9863
24	8.9%	47.8%	50.0%	14.3%	28.8%	28.8%	8.9%	51.4%	50.0%	50.0%	51.4%	50.0%	50.0%	50.0%	50.0%	50.0%	0.9594
36	22.1%	18.6%	-	21.6%	28.1%	28.1%	22.1%	3.9%	6.5%	6.5%	3.9%	-	-	-	-	-	0.9333
48	26.7%	1.6%	-	23.1%	14.2%	14.2%	26.7%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.9079
60	19.4%	0.4%	-	16.7%	7.2%	7.2%	19.4%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.8831
72	10.3%	0.4%	-	8.9%	5.9%	5.9%	10.3%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.8593
84	5.6%	0.4%	-	4.9%	4.9%	4.9%	5.6%	(0.4%)	-	-	(0.4%)	-	-	-	-	-	0.8357
96	3.3%	0.3%	-	2.9%	1.2%	1.2%	3.3%	-	-	-	-	-	-	-	-	-	0.8129
108	1.2%	0.1%	-	1.0%	-	-	1.2%	-	-	-	-	-	-	-	-	-	0.7908
120	0.3%	-	-	0.2%	-	-	0.3%	-	-	-	-	-	-	-	-	-	0.7692
132	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7483
144	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7279
156	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7081
168	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6888
180	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6700
192	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6518
204	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6340
216	0.1%	-		0.1%	-	-	0.1%	-	-		-	-	-		-	-	0.6168
228	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6000
240	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5836
252	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5677
264	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5523
276	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5372
288	0.2%	-	-	0.2%	•	-	0.2%	-	-	-	-	•	-	-	-	-	0.5226
300	0.1%	-	-	0.1%	1	-	0.1%	-	-	-	-	-	-	-	-	-	0.5084
TOTAL	99.9%	100.0%	100.0%	99.9%	100.0%	100.0%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
V factor	0.8950	0.9601	0.9729	0.9036	0.9281	0.9281	0.8950	0.9732	0.9694	0.9694	0.9732	0.9729	0.9729	0.9729	0.9729	0.9729	

minor rating class: TX

rating type: all

jurisdiction (short form): NL major rating class: PUB minor rating class: TX

rating type: all

Exh G-1 Page 16 of 16

Jurisidiction: Newfoundland & Labrador Vehicle Type: Taxi

Project ID: NL-2018Q2-TX

Exh G-1

## **Development of Present Value Factors - Premium and Expense**

## Assuming 2.80% Annual Rate of Return

	<del>-</del>		Percentage of Premiun	n	•
	<del>-</del>	Nominal	Discount Factor	Discounted	•
		[A]	[B]	[C] =[A]*[B]	
Revenue [1]	Premium	100.00	0.9963	99.63	assumed collection delay, in mths: 1.60 based on the premium lag analysis
[2]	Finance Fee	100.00	0.9963		n/a assumed collection delay, in michs. 1.00 based on the premium lag analysis
[3]	Total Revenue	100.00	0.5505		=[1]+[2]
	mmission Ratios				
[4]	estimated @ current rates	6.00	0.9963		Exh G-2 row [3]
[5]	at indicated target rate change	6.00	0.9963	5.98	- okay verifies commission ratio correct with Exh G-2 row [3]
[6]	at indicated rate change & alternative target	6.00	0.9963	5.98	- okay verifies commission ratio correct with Exh G-2 row [3]
[7]	at proposed rates	6.00	0.9963	5.98	- okay verifies commission ratio correct with Exh G-2 row [3]
Premium Va	riable Expenses, premium tax and S.C. non-claims fees				
[8]	Premium tax	5.00	0.9963	4.98	PwC Insurance Industry Key tax rates and updates (2017-09)
[9]	Servicing carrier operating cost	3.60	0.9963	3.59	OW question 2c
[10]	Servicing carrier fees	-	0.9963	-	OW question 2c
[11]	Premium finance admin expenses	-	0.9963	-	n/a
[12]	GISA Levy (% of ALL COVERAGES premium)	0.06	0.9963		=[33]
[13]	Rate Regulatory Levy (where it is % of ALL COVERAGES premium)	0.12	0.9963	0.12	=[36]
[14]	Health Levy (where it is % of ALL COVERAGES premium)		0.9963	-	as applicable
[15]	Total Premium Variable Expenses, premium tax and S.C. non-	8.78		8.75	=sum of rows [8] thru [14]
	claims fees, other than TPL				
[16]	Health Levy (where it is % of TPL ONLY)		0.9963	-	as applicable
[17]	Total Premium Variable Expenses, premium tax and S.C. non-	8.78		8.75	=[15]+[16]
	claims fees, TPL ONLY				
Premium Va	riable Expenses, Servicing Carrier Initial Claims Fee				
[18]	Servicing carrier claims fee reimbursement ratio	10.00	0.9725	9.73	Plan of Operation; discount rate based on earned premium flows: avg earned mth:
Fixed Expen	se				
[19]	Misc. Income/Expenses	_	0.9963	_	per FA finance
[20]	Central Office	1.80	0.9963		Exh G-2 row [7] NLTX2017
[21]	Total Fixed Expense (used directly for other than TPL)	1.80	0.5505		=[19]+[20]
	, , , , , , , , , , , , , , , , , , , ,				
[22]	TPL Written Exposures	560			Exh C-2 row [17]
[23]	On-level TPL Written Premium (\$1s)	3,507,336			Exh C-2 row [29]
[24]	Driver Record Abstracts	110.96			Driver Record Abstracts Analysis
[25]	Driver Record Abstracts Cost (total in \$s)	62,091			=[22]*[24]
[26]	Driver Record Abstracts as % of premium	1.77	0.9963	1.76	=100*[25]/[23]
[27]	Health Levy per earned vehicle				Health Care Levy Analysis, for NS need plus \$0.5 fire Dept. levy
[28]	Health Levy Cost (total in \$s)	-			=[22]*[27]
[29]	Health Levy (where it is per vehicle), as % of premium	-	0.9963	-	=100*[28]/[23]
[30]	Total Fixed Expense (used directly for TPL ONLY)	3.57		3.55	=[21]+[26]+[29]
Support for	GISA and Rate Regulator Levies				
[31]	GISA Cost	10,544,977			Total Expense from the GISA 2015 Annual Directors Report
[32]	Industry Annual Written Premium (\$1,000s)	18,470,695			2016 Industry AU11 AIX (all vehs combined)
[33]	GISA Levy as % of premium	0.06	0.9963	0.06	=100*[31]/[32]
[24]	Pote Perulator Annual Industrial and Cost (total in Co.)	F2F 622			NI DUD 2016 Appual Deposit
[34]	Rate Regulator Annual Industry Levy Cost (total in \$s)	525,623 429.044			NLPUB 2016 Annual Report 2016 Industry AU11 AIX (all vehs combined)
[35]	Industry Annual Written Premium (\$1,000s)  Rate Regulator Levy as % of premium	0.12	0.9963	0.13	=100*[34]/[35]
[30]	nate negulator Levy as % or premium	0.12	0.9963	0.12	-100 [34]\[52]

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Facility Association Residual Market (FARM) experience 2008 2013 20.0% Jurisidiction: Newfoundland & Labrador accident yr 2009 2014 20.0% 20.0% Vehicle Type: Taxi weights 2010 2015 Project ID: NL-2018Q2-TX 2011 2016 20.0% used in Exh C-1 2017 20.0% indications 2012

Jun 1 2019 jurisdiction (short form): NL major rating class: PUB dcst rate: minor rating class: TX 2.80% rating type: all

RN eff date:

Trend Basis type: Reg. Benchmark market: INDUSTRY rating class: CV as at: 30-Jun-17

Derivation	nf	Indicated	Change	in (	Iverall	Rate	evel

	of Indicated Change in Overall Rate Level		[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[0]	[1]	[K]	[L]	[M]
(\$1s) u	unless otherwise indicated		Third Party Liability	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Accident Benefits	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	TOTAL
Facility Associat	tion Exposures & Premium	FA AIX as at: Dec 31 2017	Liability		Damage		(indivisible)	Deficito	Automobile	WIOTOTISC					
[1] F	FA Written Exposures, Rolling 12	Exh C-2, row [17]	560	-	_		560	439	557	_	95	118	159		560
[2] F	FA Written Premium, Rolling 12	Exh C-2, row [20]	2,867,154	-	-	-	2,867,154	194,368	94,324	-	75,780	40,053	27,207	-	3,298,886
[3] F	FA Average Written Premium, Rolling 12, \$s	Exh C-2, row [23]	5,124	-	-	-	5,124	443	169	-	794	339	171	-	5,895
[4] F	FA Written Premium @ Current Rates, Projected to Future Period	Exh C-2, row [34]	3,528,029	-	-	-	3,528,029	231,446	137,819	-	79,754	40,573	27,103	-	4,044,724
[5] F.	FA Avg Written Premium @ Current Rates, Projected to Future Period, \$s	Exh C-2, row [35]	6,305	-	-	-	6,305	527	247	-	836	343	171	-	7,228
[6] P	Premium distribution @ current rates	([4] by coverage)/([4] total)	87.23%	-	-	-	87.23%	5.72%	3.41%	-	1.97%	1.00%	0.67%	-	100.00%
Updated Project	ted Loss Ratio (indemnity only, nominal) @ Current Rates														
[7]	Updated projected loss ratio (indemnity only, nominal), prior analysis	Exh C-2, row [14]	79.8%	79.8%	79.8%	79.8%	79.8%	90.9%	94.2%	-	60.5%	66.5%	71.6%	69.3%	80.4%
Projected Loss P	Ratio (indemnity only, nominal) based on FA experience														1
[8] F	FA projected ultimate loss ratio (indemnity only, nominal)	Exh D-1, col [17]	75.3%	75.3%	75.3%	75.3%	75.3%	113.5%	162.5%	-	107.3%	87.6%	40.2%	37.4%	81.0%
Credibility-Weig	ghted Projected Loss Ratio (indemnity only, nominal)														1
[9] F	FA experience credibility	Exh E-1, col [8]		49.6%	49.6%	49.6%	49.6%	31.3%	11.6%	-	25.1%	17.2%	8.0%	5.3%	1
[10]	Credibility-weighted projected Loss Ratio (indeminty only, nominal)	=[8]*[9]+[7]*(1-[9])	77.6%	77.6%	77.6%	77.6%	77.6%	98.0%	102.1%	-	72.2%	70.1%	69.1%	67.6%	79.4%
	Ratio (indemnity & excess legal, discounted @ 2.80%)														1
[22]	Loss discount factor	Exh F-2 (re-wghted)	0.9036	0.9036	0.9036	0.9036	0.9036	0.9281	0.9281	0.8950	0.9732	0.9694	0.9694	0.9732	0.9083
[12]	Credibility-weighted projected loss ratio (indemnity only, discounted)	=[10]*[11]	70.1%	70.1%	70.1%	70.1%	70.1%	91.0%	94.8%	-	70.3%	68.0%	67.0%	65.8%	72.1%
[]	excess legal as <u>% indemnity</u>	see note 3 below	1.9%	1.9%	1.9%	1.9%	1.9%	-							1.6%
[14]	Cred-wght'd projected loss ratio (indemnity & excess legal, discounted)	=[12]*(1+[13])	71.4%	71.4%	71.4%	71.4%	71.4%	91.0%	94.8%	-	70.3%	68.0%	67.0%	65.8%	73.2%
	renue, Expenses and Capital Costs														1
	Revenue discount factor	Exh G-1, col[C], row[3]	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963
[16] T	Total discounted fixed expenses, as % of current on-level premium	Exh G-1, col[C], row[30] for TPL, otherwise row[21]	3.55%	3,55%	3.55%	3.55%	3.55%	1.79%	1.79%	1.79%	1.79%	1.79%	1.79%	1.79%	3.33%
[17]	Discounted effective commission ratio (based on Indicated rate level change)	Exh G-1, col[C], row[5]	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%
	Total discounted variable expenses prem tax, S.C. non-claims fees, as % of premium	Exh G-1, col[C], row[17] for TPL, otherswise	3.56/6	3.3670	3.36%	3.36%	3.36%	3.3676	3.36%	3.56%	3.36%	3.3070	3.36%	3.3676	3.3676
[10]	Total discounced variable expenses premi day, s.e. non edims rees, as non premium	row[15]	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%	8.75%
[19]	Discounted variable S.C. initial claims fee, as % of premium	Exh G-1, col[C], row[18]	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%
[20] R	Retroactive claims fee adjustment (discounted), as % of premium @ target rate	goal seek to 0 on col [L], row [41]	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%
	Target Return on Premium (i.e. pre-tax return from underwriting, including associated investment income, as % of premium)	Exh H-1, row[15]	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%
Rate Indications													1.21,75		
	Indicated target rate change (12.0% ROE, leverage 2.0)	=([14]+[16])/([15]-[17]-[18]-[19]-[20]-[21])-1	10.7%	10.7%	10.7%	10.7%	10.7%	37.0%	42.6%	-	6.4%	3.0%	1.6%	(0.2%)	13.1%
	Avg WP @ Indicated target rate change (12.0% ROE, leverage 2.0)	=[5]*(1+[22])	6,980	-	-	-	6,980	722	352	-	890	353	174	-	8,175
	AWP dollar change for Indicated target rate change (12.0% ROE, leverage 2.0)	=[23]-[5]	675	-	-	-	675	195	105	-	54	10	3	-	947
	nominal indemnity LR for Indicated target rate change (12.0% ROE, leverage 2.0)	=[10]/(1+[22])	70.1%	70.1%	70.1%	70.1%	70.1%	71.5%	71.6%	-	67.9%	68.1%	68.0%	67.7%	70.2%
	nominal excess legal LR for Indicated target rate change (12.0% ROE, leverage 2.0)	=[13]*[25]	1.3%	1.3%	1.3%	1.3%	1.3%	-	-	-	-	-	-	-	1.1%
	discounted commission as % of premium, based on alternative target	Exh G-1, col[C], row[6]	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%
	Retroactive claims fee adjustment (discounted), based on alternative target	goal seek to 0 on col [L], row [42]	0.92%	0.92%	0.92%	0.92%	0.92%	0.92%	0.92%	0.92%	0.92%	0.92%	0.92%	0.92%	0.92%
[29] A	Alternative basis Return on Premium (i.e. pre-tax return from underwriting, including associated														1
	investment income, as % of premium)	Exh H-1, row[21]	-	-	-		-	-	-	-	- (0.000)	10.000	-	- (0.000)	-
[50]	Alternative rate change basis (0.0% Cost of Capital, leverage 1.84)	=([14]+[16])/([15]-[27]-[18]-[19]-[28]-[29])-1	0.9%	0.9%	0.9%	0.9%	0.9%	25.0%	30.1%	-	(2.9%)	(6.0%)	(7.4%)	(9.0%)	3.1%
[1	Avg WP @ Alternative rate change basis (0.0% Cost of Capital, leverage 1.84)	=[5]*(1+[30])	6,362	-	-	-	6,362	659	321	-	812	322	158	-	7,452
	AWP dollar change for Alternative rate change basis (0.0% Cost of Capital, leverage 1.84) nominal indemnity LR for Alternative rate change basis (0.0% Cost of Capital, leverage 1.84)	=[31]-[5]	57 76.9%	- 76.9%	76.9%	76.9%	57 76.9%	132 78.4%	74 78.5%	-	(24) 74.4%	(21) 74.6%	(13) 74.6%	74.3%	224 77.0%
[]	nominal excess legal LR for Alternative rate change basis (0.0% Cost of Capital, leverage 1.84)	=[10]/(1+[30]) =[13]*[33]	1.5%	1.5%	1.5%	1.5%	1.5%	70.4%	/6.5%		/4.4%	74.6%	/4.0%	74.3%	1.2%
	Rate change selected by FA	Alternative rate change basis (0.0% Cost of	1.376	1.376	1.370	1.3%	1.376	-	-	-	-			-	1.270
[55]	nate thange selected by FA	Capital, leverage 1.84), capped at +/-0.0% by													1
		coverage	10.5%	10.5%	10.5%	10.5%	10.5%	7.1%	15.2%		5.9%	(0.1%)	(6.2%)		10.2%
[36] A	Avg WP @ Rate change selected by FA	=[5]*(1+[35])	6,967	-	-	-	6,967	564	285	-	885	343	160	-	7,965
[]	AWP dollar change for Rate change selected by FA	=[36]-[5]	662	-	-	-	662	37	38	-	49	(0)	(11)	-	737
	Annualized Prem chg for Rate change selected by FA	=[4]*[35]	370,443	-	-	-	370,443	16,433	20,948	-	4,705	(41)	(1,680)	-	410,808
[]	nominal indemnity LR for Rate change selected by FA	=[10]/(1+[35])	70.2%	70.2%	70.2%	70.2%	70.2%	91.5%	88.6%	-	68.2%	70.2%	73.7%	67.6%	72.1%
[40] n	nominal excess legal LR for Rate change selected by FA	=[13]*[39]	1.3%	1.3%	1.3%	1.3%	1.3%	-	-		-	-	-	-	1.2%

2008 2013 20.0% RN eff date: Facility Association Residual Market (FARM) experience Trend Basis Jurisidiction: Newfoundland & Labrador accident yr 2009 2014 20.0% Jun 1 2019 jurisdiction (short form): NL 20.0% Vehicle Type: Taxi weights 2010 2015 major rating class: PUB Project ID: NL-2018Q2-TX used in 2011 2016 20.0% dcst rate: minor rating class: TX rating class: CV Exh C-1 2017 20.0% indications 2012 2.80% rating type: all as at: 30-Jun-17

type: Reg. Benchmark market: INDUSTRY

Exh C-1 Page 2 of 16

Retroactive o	laims fee adjustment	72 month LR	reimburse- ment rate LR	claims expense fee % @ reimburse- ment rate LR	minimum claims expense fee ratio	maximum claims expense fee ratio	base claims expense fee ratio	unadjusted experience claims expense fee ratio [G]	experience claims expense fee ratio (post min/max) [H]	Retroactive Adjustment	discount by 1 yr	discounted retroactive adjustment
	[72-month IBNR as % ultimate] calculated from Exh D-1: 0.0%	(see note 1)	Statistical	Accounting & Statistical Manual (see note 2)	Accounting & Statistical	Accounting & Statistical	Accounting & Statistical	={co [F],	=row[41]:col	=[H]-[C]	=1/(1+disc rate)	=[1]*[1]
[41]	Retroactive claims fee adjustment at 12.0% ROE	70.2%	67.5%	10.0%	9.0%	16.0%	3.3%	10.27%	10.27%	0.27%	0.9728	0.26%
[42]	Retroactive claims fee adjustment at Alternative Target	77.0%	67.5%	10.0%	9.0%	16.0%	3.3%	10.95%	10.95%	0.95%	0.9728	0.92%
[43]	Retroactive claims fee adjustment on Selected Rate Change	72.1%	67.5%	10.0%	9.0%	16.0%	3.3%	10.46%	10.46%	0.46%	0.9728	0.45%

Goal seek to 0.0%, on col[B], row[20]
[L]
(0.01%)
-

#### Notes:

- 1 [72mth LR] = Recorded Claims Ratio @ 72 months = Ultimate LR\*(1-[72-month IBNR as % ultimate])
- 2 (See also Bulletin "All-Canada SC2004-02" issued on Jan. 7, 2004)

3 excess legal as percent of TPL indemnity is AA Report = [ratio as % of total coverages EP] x [latest yr total coverages EP] / [latest yr TPL expected indemnity] where ratio to EP from excess legal exhibit, and latest yr EP and TPL expected indemnity from a priori exhibit

			TPL				
AA Report (FY2017)	Exh B.12.1		Exh B.8.6.1		Projected EP		Exh B.5.10.1
	pg 1 selected - cat I		prov, year		Adjustment		pg 1, col [5]
	excess ratio % total EP		AA R all coverage EP		AA R all coverage EP		AA R TPL expected indemnity
1.9% =	1.22%	x	7,327,181	x	1.000	/	4,791,000

Project ID: NL-2018Q2-TX

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all Exh C-2 Page 3 of 16

rate level factor exhibit

Exh C-2

Vehicle Type: Taxi

Derivation of Loss Ratios Underlying Current (i.e. "Expiring") Rates

Bas	is: last submitted rate filing	Formulae	Third Party Liability	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Accident Benefits	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	TOTAL
[1]	Distribution Used	Exh C-3 (option 1),													
1+1		row [6]	87.55%	-	-	-	87.55%	6.58%	2.97%	-	1.20%	0.88%	0.79%	0.04%	100.019
[2]	Projected ultimate loss ratio (nominal), prior to rate adjustment	Exh C-3 (option 1),													
		row [10]	93.4%	93.40%	93.40%	93.40%	93.40%	88.00%	110.70%	-	61.30%	59.70%	63.10%	60.80%	92.69
[3]	FA Written Rate Level Factor as at 2017-09-30	Exh C-2, row [4], last													
		submitted rate filing													
				2.7954	2.7954	2.7954	2.7954	11.8323	16.5092	1.0000	0.1964	0.2712	0.4683	0.221	
[4]	FA Written Rate Level Factor as at 2019-06-01	current rate level													
		factor look-up		3.3265	3.3265	3.3265	3.3265	13.6072	23.1459	1.0000	0.1935	0.2494	0.4233	0.212	
[5]	Estimated impact of subsequent rate changes	=[4]/[3]-1	19.0%	19.0%	19.0%	19.0%	19.0%	15.0%	40.2%	-	(1.5%)	(8.0%)	(9.6%)	(4.1%)	18.69
[6]	HST Adjustment factors for changes not considered in prior analysis in its														
	projection to average accident date	as needed		1.0053	1.0177	1.0177	1.0084	1.0142	1.0177	1.0177	1.0177	1.0177	1.0177	1.018	
[7]	loss ratio (nominal) at current rates	=[2]*[6])/(1+ [5])	79.1%	78.9%	79.9%	79.9%	79.1%	77.6%	80.4%	-	63.3%	66.0%	71.0%	64.5%	78.79
[8]	Modeled loss cost projected to average accident date, prior analysis	Exh D-5a		-	-	-	365.32	18.58	5.31	0.76	141.01	119.25	37.46	138.48	
[9]	Modeled loss cost projected to average accident date, current analysis	Exh D-5a		-	-	-	369.85	21.76	6.22	0.76	141.01	127.28	39.98	147.80	
[10]	indemnity projection factor between average accident date underlying														
	current rates and future average accident date	=[9]/[8]	1.0120	1.0124	1.0124	1.0124	1.0124	1.1712	1.1714	1.0000	1.0000	1.0673	1.0673	1.0673	1.0280
[11]	annualized indemnity change	=[10]^(365/Exh B-1,													
		row [4])-1	0.7%	0.7%	0.7%	0.7%	0.7%	10.0%	10.0%	_	_	4.0%	4.0%	4.0%	1.79
[12]	annualized premium trend factor	1+Exh D-4a, Total													
		Drift	1.0020	1.0020	1.0020	1.0020	1.0020	1.0000	1.0000	1.0000	1.0279	1.0348	1.0348	0.9960	1.0030
[13]	premium trend period in days (change in avg written date between rate														
,	programs)	Exh B-1, row [2]	609	609	609	609	609	609	609	609	609	609	609	609	609
[14]	projected indemnity loss ratio (nominal) at current rates	=[7]*[10]/{[12]^([13]	003	003	003	003	003	003	003	003	003	003	003	003	00.
[ + 7]	projected indentity 1000 radio (normital) at current rates	/365)}	79.8%	79.6%	80.6%	80.6%	79.8%	90.9%	94.2%	_	60.5%	66.5%	71.6%	69.3%	80.59

Most Current 12-Months Exposure and Premium														
(\$1s) unless otherwise indicated	-	Formulae Third Party Liability	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Accident Benefits	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	TOTAL
FA Written Exposures, Rolling 12	FA AIX	as at: Dec 31 2017												
[15]	20171	323	-	-	-	323	254	321	-	54	61	103	-	323
[16]	20172	236	-	-	-	236	186	236	-	41	58	56	-	236
[17]	TOTAL	560	-	-	-	560	439	557	-	95	118	159	-	560
FA Written Premium, Rolling 12	FA AIX	as at: Dec 31 2017												
[18]	20171	1,637,960	-	-	-	1,637,960	110,038	52,324	-	44,526	21,348	17,713	-	1,883,909
[19]	20172	1,229,194	-	-	-	1,229,194	84,330	42,000	-	31,254	18,705	9,494	-	1,414,977
[20]	TOTAL	2,867,154	-	-	-	2,867,154	194,368	94,324	-	75,780	40,053	27,207	-	3,298,886
FA Average Written Premium, Rolling 12, \$s														
[21]	20171	5,065	-	-	-	5,065	434	163	-	822	353	172	-	5,825
[22]	20172	5,205	-	-	-	5,205	454	178	-	758	324	170	-	5,991
[23]	TOTAL	5.124	-	-	-	5.124	443	169	-	794	339	171	-	5,895

Most Current 12-Months Exp	osure and Premium Adjusted to Current Rat	e Level													
(\$1s) unless otherwise indic													2/	3 CL, 1/3 CM	
FA Written Rate Level Factors															
[24]	20171			2.6114	2.6114	2.6114	2.6649	11.1352	15.3429	1.0000	0.2013	0.2728	0.4702	0.2250	
[25]	20172			2.7954	2.7954	2.7954	2.7954	11.8323	16.5092	1.0000	0.1964	0.2712	0.4683	0.2210	
[26]	FA Written Rate Level Factor as at 2019-06-01	=[4]		3.3265	3.3265	3.3265	3.3265	13.6072	23.1459	1.0000	0.1935	0.2494	0.4233	0.2120	
FA Written Premium @ Current Rates	s, Rolling 12														
[27]	20171	=[18]*[26]/[24]	2,044,607	-	-	-	2,044,607	134,466	78,935	-	42,801	19,517	15,946	-	2,336,272
[28]	20172	=[19]*[26]/[25]	1,462,729	-	-	-	1,462,729	96,980	58,884	-	30,793	17,201	8,582	-	1,675,169
[29]	TOTAL		3,507,336	-	-	-	3,507,336	231,446	137,819	-	73,594	36,718	24,528	-	4,011,441
FA Average Written Premium @ Curr	rent Rates, Rolling 12, \$s														
[30]	20171		6,322	-	-	-	6,322	530	246	-	790	323	155	-	7,224
[31]	20172		6,194	-	-	-	6,194	523	249	-	746	298	153	-	7,093
[32]	TOTAL		6,268	-	-	-	6,268	527	247	-	771	311	154	-	7,169

	nt 12-Months Exposure and Premium @ Current Rate Level, Prounless otherwise indicated	jected to Futur	e Avg Writte	n Premium											
[33]	Premium Trend Factors to 01-Dec-2019	AY 2017		1.0059	1.0059	1.0000	1.0059	1.0000	1.0000	1.0000	1.0837	1.1050	1.1050	0.9884	
[34]	FA Written Premium @ Current Rates, Projected to Future Period	=[29]*[33]	3,528,029	-	-	-	3,528,029	231,446	137,819	-	79,754	40,573	27,103	-	4,044,724
[35]	FA Avg Written Premium @ Current Rates, Projected to Future Period, \$s	=[34]/[17]	6,305	-	-	-	6,305	527	247	-	836	343	171	-	7,228

Project ID: NL-2018Q2-TX
Exh D-1

Control   Cont												_						ly)	mnity Onl	(Inde	ss Ratio (I	ovincial Lo	ed Pro	ce Projected	xperien	FA Exp
Concessed   Architect   Extract   Architect   Extract   Architect   Extract   Extrac	vel	mnity On-	ate Indemnit	mate	Ultim			evel	On-Le	Premium O	Earned					nce	perie	FA Exp					<u> </u>	31-Dec-2017	as at:	
Courting   Ar	nes Cos	her	Other	10	Catastronho			On-Level		Rating	rned	7										Farned				
Control   Cont									r-		mium	ss f	Ultimate I											ΔΥ	/erage	Cover
Clast						(%)	Load (%)		t				Costs	Ratio	Indemnity	ent Factor	me	Indemnity	Premium	ım	Premium			***	reruge	COVC
Color	deter	15 (70)	20003 (70		2000 (70)					Factor	l Factor	Le											1,0			
TOTAL  TOTAL  2008  728  729  14.12.656  1.94  1.94  1.94  1.94  1.95  1																				)			_  -			
FAME   FAME   FAME   TAME			[14]		[13]	J	[12]	[11]		[10]	[9]		[8]	[7]	[6]	[5]		[4]	[3]		[2]	[1]				
TOTAL   TOTA																tuk D.a										
TOTAL  2008  2009  706  715  1411-458  5.008  726  727  728  728  729  729  729  720  720  720  720  720			input		input	ıt	input	[2]*[9]*[10]	=[	Exh D-4a	D-3a		=[6]/[1	=[6]/[2]	=[4]*[5]			FA AIX	=[2]/[1]	Х	FA AIX	FA AIX				
TOTAL																ection c.	3									
2006 725 1412.456 1.948 2.388.731 2.388.731 19.3 12.388.731 19.3 19.3 12.388.731 19.3 19.3 12.388.731 19.3 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12	30 (712																									TOTAL
2010 780 1,586,401 2,000 1,986,401 2,000 3,189,247 8,192,247 2,201,47,76 2,201								4,903,149				0	3,294	169.1%	2,388,733		3	2,388,733	1,948	,456	1,412,45	725		2008		
2011 979 1,187,985 2,033 3,449,476 1,494,776 20.1% 4,470.29 1,440.79 1,240.20 1,240.								5,233,777				0	3,298	166.2%	2,520,358		8	2,520,358	1,985	,679	1,516,67	764		2009		
2012 816 1474159 2.054 4.978.091 2.910 5.977.94 5.74.935 5.95.358 5.748.935 5.975.980 2.014 2.015 2.014 2.015 2.014 2.015 2.014 2.015 2.014 2.015 2.014 2.015 2.01								5,365,419				2	4,092	203.9%	3,192,247		7	3,192,247	2,007	,401	1,565,40	780		2010		
2013 882 187181 2180 3170.609 3173119 170 9W 3774.39 5.584.338 3.559.166 2014 820 2,394.53 1,200 3.559.166 220 2,394.53 1,200 3.559.166 2016 795 2,489.565 3.606.39 3.555.522 3.906.99 16.55 4.595.60 5.581.507 4.481.466 2016 795 2,489.565 5.581.507 4.481.466 2.2015 795 2,489.565 5.581.507 4.481.466 2.2015 795 2,277.29 3.778 3.2017.277 3.2017								5,486,921				3	4,407	220.1%	3,494,776		6	3,494,776	2,003	,985	1,587,98	793		2011		
2014   280   2,946,98   2,920   3,86,986   3,406,890   14.28%   4,154,656   5,86,679   1,247,2456   1,247,1158   2016   712   2,727,409   3,76   3,66,958   4,657,001   148.7%   5,542,35   5,541,370   1,452,456   1,452,157   1,523,456   1,452,158   1,542,158   1,542,170   1,542,466   1,542,466   1,542,46																										
2015 755 2.138,665 3.069 3.876 1.5294,999 1.61.5% 4.956.60 5.581,5677 3.4581,567 4.4351,168 1.61.5% 4.956.60 5.581,5677 3.4581,168 1.61.5% 4.956.60 5.581,5677 3.4581,168 1.61.5% 4.61.5% 5.4582,169 1.61.5% 4.956.60 5.581,5677 3.4581,168 1.61.5% 4.61.5% 5.4582,169 1.61.5% 4.61.5% 5.4582,169 1.61.5% 4.61.5% 5.4582,169 1.61.5% 4.61.5% 5.4582,169 1.61.5% 4.61.5% 5.4582,169 1.61.5% 4.61.5% 5.4582,169 1.61.5% 4.61.5% 5.4582,169 1.61.5% 4.61.5% 5.4582,169 1.61.5% 4.61.5% 5.4582,169 1.61.5% 5												_											_ L			
2016   732   2,777,009   3,726   3,567,958   4,567,001   146.7%   5,542.85   5,161,770   7,001,702.7%   7,001,703.83,152   2,641   33,172,739   35,566,033   176.3%   4,660.05   5,562.362   4,435.207   4,058.395   7,001,702.83   7																										
Total/Wid Aleg   Total   Tot																							_			
Total/Wist Avg.   Total   To																										
The Party Liability   Table								7 7									-	-,:,:		,	-,,-		_  -			
Sum of   2008   725   1,301,390   1,795   2,230,303   2,230,393   17,496   3,076,288   4,483,405   2,446,226   1,141,141,141,141,141,141,141,141,141,1								33,023,302				-	4,000	170.5%	33,630,033		9	33,172,729	2,043	,332	20,333,33	7,094	g.			Third Da
BJPD(DPC) 2009 764 1,391,046 1,821 2,283,000 1,641% 2,988.22								4 422 405				0	2 076	171 /19/	2 220 202		2	2 220 202	1 705	200	1 201 20	725				
TPL (indivis)   2010   780																										
Total   Tota																										
Contemporary   Cont												_													1011137	2 (
Max of   2013   852   1,686,983   1,880   2,861,495   2,261,495   169,666   3,585,56   1,281,561   1																									oposure.	(for expo
Discription   2015   795   2,223,971   2,797   3,443,609   3,46,296   157,28   4,387,86   4,383,089   3,364,400   3,264,201   2,275,201																										
Text   Control   Text								5,134,711				8	3,594	134.9%	2,947,312		8	2,951,148	2,665	,608	2,185,60	820		2014	,DCPD},	{BI,PD,D
Total/Wid Avg.   Fig.								4,933,089				6	4,397	157.2%	3,496,296		9	3,443,609	2,797	,971	2,223,97	795		2015		plus
Total/Wtd Avg.   7,694												8	4,770	143.7%					3,320					2016	ndivis))	TPL (indi
Bodily Injury  BI 2008 1.0000 3.3265 1.0241 - 1.0000 - 1.0															, , , , , , , ,			_,000,000					_  _			
BI 2008 1.0000 3.3265 1.0241 1.0000 2010 1.0000 3.3265 1.0221 1.0000 3.3265 1.0200 1.0000 3.3265 1.0200 1.0000 3.3265 1.0200 1.0000 3.3265 1.0200 1.0000								47,956,844				5	4,127	172.6%	31,758,936		0	29,607,720	2,392	,630	18,401,63	7,694	g.	otal/Wtd Avg.		
2009 1.0000 3.3265 1.0221 - 1.0000 2.011 1.0000 1.0000 3.3265 1.0180 1.0000 2.012 1.0000 3.3265 1.0180 1.0000 2.012 1.0000 3.3265 1.0180 1.0000 2.013 1.0000 3.3265 1.0180 1.0000 2.013 1.0000 3.3265 1.0199 1.0000 2.014 1.0000 1.0005 2.016 1.0005 1.0005 1.0000 2.016 1.0005 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000																									Injury	
2010   -   -   1.0000   -   -   3.3265   1.0200   -   1.0000   -		-			-	-	-							-	-					-	-	-				BI
2011     -   1,0000       3,3265   1,0180   -     1,0000   -     2,012   -   -   1,0000   -     1,0000   -     2,013   -   -   1,0000   -     1,0000   -     2,014   -   -   -   1,0000   -     2,014   -   -   -   1,0000   -     2,015   -   -   -   1,01185   -   -     2,016   -   -   -   1,1328   -   -     1,8635   1,0079   -   -   1,0000   -     2,016   -   -   -   1,3328   -   -     1,3899   1,0059   -   -   1,0000   -     2,016   -   -   -   1,0000   -     2,016   -   -   -   1,0000   -     -     2,016   -   -   -   1,0000   -   -     3,3265   1,021   -   -   -   1,3422   -     -     2,016   -   -   -   1,0000   -   -   -   3,3265   1,021   -   -   -   1,3422   -     -     2,016   -   -   -   1,0000   -   -   -   3,3265   1,0189   -   -   -   1,2462   -     -     2,016   -   -   -   1,0000   -   -   -   3,3265   1,0189   -   -   -   1,2159   -     -     2,015   -   -   -   1,0000   -   -   -   3,3265   1,0199   -   -   -   1,1572   -     2,015   -   -   -   1,0000   -   -   -   3,3265   1,0199   -   -   -   1,1572   -     2,015   -   -   -   1,0000   -   -   -   1,0000   -   -   2,1964   1,0099   -   -   -   1,1014   -     -     1,1074   -     2,017   -   -   -   1,1366   -   -     1,1366   -   -     1,1366   -   -     1,1366   -		-			-	-	-	-						-	-				-	-	-	-	- 1			
2012 1.0000 3.3265 1.0159 1.0000 1.0000 2.015 1.0000 1.0		-			-	-	-	-						-	-				-	-	-	-				
2013		- 1																								
2014     - 0.9985     2.3510   1.0119   -   1.0000   -   1.0000   -     1.0000   -     1.0000   -     1.0000   -		_			_	_	_																			
2015		-			-	-	_							-	-				-	-	-	-				
2016		-			-	-	-								-			-	-	-		-				
Total/Wtd Avg.     1.9309   1.3899   1.0059   -   1.0000 -		-			-	-	-	-						-	-			-	-	-	-	-				
Property Damage  PD 2008 1,0000 3,3265 1,0241 1,3422 1,3093 1,3402 1,3093 1,2774 1,2011 1,0000 3,3265 1,0180 1,2774 1,2462 1,0000 3,3265 1,0180 1,2462 1,2462 1,0000 3,3265 1,0180 1,2462 1,2462 1,2462 1,2462 1,2462 1,2462	1.00	-			-	-	-	-	59	1.0059	1.3899			-	-	1.9309		-	-	-	-	-		2017		
PD 2008 1,0000 3,3365 1,0241 - 1,3422 - 2009 1,0000 3,3265 1,0221 1,3093 - 2010 1,0000 3,3265 1,0220 1,2774 - 2011 1,0000 3,3265 1,0180 1,2462 - 2012 1,0000 3,3265 1,0180 1,2462 - 2013 1,0000 3,3265 1,0189 1,2159 - 2013 1,0000 2,3510 1,0119 1,1572 - 2015 1,0000 2,3510 1,0119 1,1572 - 2015 1,0000 1,0000 2,1964 1,0099 1,1290 - 2016 1,1306 1,1389 1,0059 1,0059 1,0745 1,0745								-						-	-			-	-	-	-	-	g.	otal/Wtd Avg.	T	
2009 1.0000 3.3265 1.0221 1.3093 - 1.0000 1.0000 1.2774 - 1.2																								ge	rty Damag	Property
2010 1.0000 3.3265 1.0200 1.2774 - 2011 1.0000 3.3265 1.0180 1.2462 - 2012 1.0000 3.3265 1.0180 1.2462 - 2013 1.0000 3.3265 1.0159 1.2159 - 2013 1.0000 3.1881 1.0139 1.1861 - 2014 1.0000 2.3510 1.0119 1.1572 - 2015 1.0000 2.1664 1.0099 1.1290 - 2016 1.0340 1.3365 1.0079 1.1014 - 2017 1.1316 1.3899 1.0059 1.0745 1.0745 1.0745 1.0745		-			-	-	-	-						-	-			-	-	-	-	-				PD
2011 1.0000 3.3265 1.0180 1.2462 - 2012 1.0000 3.3265 1.0180 1.2462 - 2013 1.0000 3.3265 1.0159 1.2159 1.2159 1.1861 - 2014 1.0000 2.3510 1.0119 1.1861 2015 1.0000 2.3510 1.0119 1.1572 1.1200 1.1200 1.1200 1.1200 1.1306 1.3899 1.0059 1.0745 1.0745 1.0745		-			-	-	-							-	-			-	-	-	-	-	_ L			
2012 1.0000 3.3265 1.0159 1.2159 - 2013 1.0000 3.3881 1.0139 1.1861 - 2014 1.0000 2.3510 1.0119 1.1572 - 2015 1.0000 1.0000 1.18635 1.0079 1.1290 - 2016 1.0340 1.8635 1.0079 1.1014 - 2017 1.1306 1.1306 1.3899 1.0059 1.0745 1.0745		-			-	-	-							-	-			-	-	-	-	-				
2013 1.0000 3.1881 1.0139 1.1861 - 2014 1.0000 2.3510 1.0119 1.1572 - 2015 1.0000 2.1964 1.0099 1.1290 - 2016 1.0340 1.3863 1.0079 1.1014 - 2017 1.1306 1.1306 1.3899 1.0059 1.0745 1.0745 1.0745 1.0745					-	-	-							-	-								_			
2014 1.0000 2.3510 1.0119 1.1572 - 2015 1.0000 2.1964 1.0099 1.1290 1.1290 1.0000 1.0340 1.0340 1.1306 1.3899 1.0059 1.0745 - 1.0745 - 1.0745 1.0745 1.0745 1.0745 1.0745 1.0745 1.0745 1.0745					-	-	-							-	-											
2015     -     -     -     1.0000     -     -     -     2.1964     1.0099     -     -     -     1.1290     -       2016     -     -     -     1.8635     1.0079     -     -     -     1.1014     -       2017     -     -     -     1.3899     1.0059     -     -     -     1.0745     -					-	-	-							-	-				-	-	-		- 1			
2016     -     -     -     1.8635     1.0079     -     -     -     1.1014     -       2017     -     -     -     1.3899     1.0059     -     -     -     1.0745     -					-	-	-							-	-					-	-					
2017 1.1306 1.3899 1.0059 1.0745 -		-			-	-	_								-					-	-	-				
		_													-					-						
	1.07								,,	1.0033	1.3033			-	<u>:</u>	1.1300			-	-		-	g.		Т	
DCPD							-					- I											<u> </u>			DCPD

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Procession   Pro	FA Experien	nce Projected	Provincial Los	ss Ratio (Inc	demnity Onl	y)														
Course   No	as at:	31-Dec-2017				FA Expe	erience				Earne	d Premium Or	n-Level		Ultima	ate Indemnity O	n-Level			
Contract											Earned	Rating								
	6	***		Earned	Avg Earned	Recorded	Loss Develop-	Ultimate	Ultimate Loss	Ultimate Loss	Premium	Character-		Large Loss						Accident
Column   C	Coverage	AY	1 1	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On-	istic Drift		Load (%)						Year Weight
Color   Colo			(excl trailers)								Level Factor	Factor	Premium		Load (%)	Loads (%)	Factor	Losses	Ratio	-
FAIR			(1s)	(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)			(\$1s)					(\$1s)		
Face			[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
FALE   PACK   PACK   FALE   PACK   FALE																		[6]*(4   [4 2])*		
Color   Colo					ra1/r.1		Exh D-2,		f e3 /f e3	fa) (fa)			ra10ra10r. a1				Donchmark			
Dec   2008			FA AIX	FA AIX	=[2]/[1]	FA AIX	Section C.	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exn D-3a	EXN D-4a	=[2]*[9]*[10]	input	input	input	Trends (Exh		=[16]/[11]	input
2009   -   -   1,0000   -   1,1000   -   1,1265   1,0000   -   1,1274   -   -   -   1,1265   1,0000   -   1,1274   -   -   -   -   1,1265   1,0000   -   -   1,1274   -   -   -   -   -   -   1,1265   1,0000   -   -   1,1274   -   -   -   -   -   -   -   -   -																	D-5b (ALT))	4])*[15]		
2011	DCPD	2008	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.3422	-	-	-
2011 1.0000 3.3265 1.0000 - 1.2462 3.000 3.3265 1.0000 1.2462		2009	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.3093	-	-	-
2012   -		2010	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.2774	-	-	-
2014		2011	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.2462	-	-	-
2014		2012	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.2159	-	-	-
2015 11120 2.00		2013	-	-	-	-	1.0000	-	-	-	3.1881	1.0000	-	-	-	-	1.1861	-	-	20.0%
1985   1,0000   1,0		2014	-	-	-	-	0.9987	-	-	-	2.3510	1.0000	-	-	-	-	1.1572	-	-	20.0%
Total   Tota		2015	-	-	-	-	1.0153	-	-	-	2.1964	1.0000	-	-	-	-	1.1290	-	-	20.0%
Total/Windows   Tylindrivanis   Tylindrivani		2016	-	-	-	-	1.1160	-	-	-	1.8635	1.0000	-	-	-	-	1.1014	-	-	20.0%
TRI (infinite)   TRI (infinite)   2088   725   1,301,390   1,795   2,230,300   1,000   2,280,300   171,445   3,076,288   2000   760   1,301,300   1,834   3,064,392   1,000   3,064,392   1,201   3,236,300   1,000   2,280,300		2017	-	-	-	-	1.7435	-	-	-		1.0000	-	-	-	-	1.0745	-	-	20.0%
PF		Total/Wtd Avg.	-	-	-	-		-	-	-			-					-	-	100.0%
2009   764   1.391,046   1.221   2.283,000   1.000   2.283,000   164.14, 2.988.22   3.3265   1.0221   4.729,778	TPL (indivisible	2)																		
2009   764   1.391,046   1.221   2.283,000   1.000   2.283,000   164.14, 2.988.22   3.3265   1.0221   4.729,778	TPL (indivis)	2008	725	1,301,390	1,795	2,230,303	1.0000	2,230,303	171.4%	3,076.28	3.3265	1.0241	4,433,405	-	-	(0.5%)	1.0843	2,406,226	54.3%	-
2011 793 1,462,352 1,844 3,065,744 10000 3,656,744 200,6% 3,866,01 2012 2013 165 15,352,99 1,879 4,479,417 10000 4,249,417 100		2009	764	1,391,046	1,821	2,283,000	1.0000	2,283,000	164.1%	2,988.22	3.3265	1.0221	4,729,578	-	-	(0.5%)	1.0776	2,447,860	51.8%	-
2012 816 1.532,990 1.879 4,2494,17 1.000 2.84,185 1.000 2.85,145 1		2010	780	1,430,390	1,834	3,054,392	1.0000	3,054,392	213.5%	3,915.89	3.3265	1.0200	4,853,356	-	-	(0.5%)	1.0709	3,254,594	67.1%	-
2014 820 1,886,983 1,980 2,861,495 1,000 2,861,495 169.6W 3,385,86 2 2015 795 2,223,971 2,797 3,445,609 1,0133 3,496,296 157.2W 4,397.86 2015 795 2,223,971 2,797 3,445,609 1,0133 3,496,296 157.2W 4,397.86 2017 617 2,756,850 4,468 2,333,453 1,7435 4,078,836 11,745 4,078,836 11,7		2011	793	1,462,352	1,844	3,065,744	1.0000	3,065,744	209.6%	3,866.01	3.3265	1.0180	4,952,075	-	-	(0.5%)	1.0641	3,245,947	65.5%	-
2014   820   2,185,008   2,665   2,951,148   0,9987   2,947,312   134,9%   3,594,28   2,2164   1,009   4,935,689   0,05%   1,042   3,099,68   7,646   2,000   2,016   2,000		2012	816	1,532,990	1,879	4,249,417	1.0000	4,249,417	277.2%	5,207.62	3.3265	1.0159	5,180,573	-	-	(0.5%)	1.0572	4,470,021	86.3%	-
2015 2016 795 2,223,971 2,797 3,443,699 1,015 3,496,296 157.2% 4,397.86 2,1964 1,0099 4,933,889 1 1,000 1,0		2013	852	1,686,983	1,980	2,861,495	1.0000	2,861,495	169.6%	3,358.56	3.1347	1.0139	5,361,691	-	-	(0.5%)	1.0502	2,990,116	55.8%	20.0%
2016   722   2,430,050   3,320   3,129,159   1,1160   3,492,141   143.7%   4,770.68   1,3748   1,009   3,124,749   1,0216   1,162,999   1,753%   2,000   1,0		2014	820	2,185,608	2,665	2,951,148	0.9987	2,947,312	134.9%	3,594.28	2.3217	1.0119	5,134,711	-	-	(0.5%)	1.0432	3,059,263	59.6%	20.0%
Total/Wind Avg   Fig. 1		2015	795	2,223,971	2,797	3,443,609	1.0153	3,496,296	157.2%	4,397.86	2.1964	1.0099	4,933,089	-	-	(0.5%)	1.0361	3,604,400	73.1%	20.0%
2017   617   2,756,850   4,468   2,339,453   1,7435   4,078,836   148,076   6,610.76   1,3748   1,0059   3,812,479   -   1,0216   4,166,939   19,378   20,000   1,00		2016	732	2,430,050	3,320	3,129,159	1.1160	3,492,141	143.7%	4,770.68	1.8642	1.0079	4,565,887	-	-	(0.2%)	1.0288	3,583,733	78.5%	20.0%
Accident Benefits   Sum of:   2008   Sign of:   21,40   43   120,873   120,873   120,873   545,9%   232,90   301,263   316,762   366,219   90,4%		2017	617	2,756,850	4,468	2,339,453	1.7435	4,078,836	148.0%	6,610.76	1.3748	1.0059	3,812,479	-	-	Ŧ	1.0216	4,166,939	109.3%	20.0%
Sum of   2008   519   22,140   43   120,873   120,873   545,9%   232,90   301,263   316,762   286,199   90,4%	-	Total/Wtd Avg.	7,694	18,401,630	2,392	29,607,720		31,758,936	172.6%	4,127.75			47,956,844					33,229,099	75.3%	100.0%
MEDIDRS, 2009 FES.U 2010 S82 23.208 40 92.124 92.124 39.59% 158.29 Acciden (indivis) 2011 611 24.277 40 240.888 240.888 992.2% 394.25 2012 639 25.885 40 519.517 519.517 2,046.6% 813.02 2013 693 35.085 40 519.517 519.517 2,046.6% 813.02 2014 682 49.100 72 116.896 1135.518 276.0% 198.71 2015 675 55.503 173 212.192 301.567 286.4% 496.00 2016 608 105.303 173 212.192 301.567 286.4% 496.00 2016 608 105.303 173 212.192 301.567 286.4% 496.00 2017 Total/Wid Avg.  Medical Expenses Met 2009 43 - 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000	Accident Benef	fits																		
FE.SU, 2010	sum of:	2008	519	22,140	43	120,873		120,873	545.9%	232.90			301,263					377,214	125.2%	-
AccBen (indivis 2011 611 24,277 40 240,888 240,888 922.2% 394.25 2012 639 25,385 40 519,517 519,517 2,046,6% 813.02 345,419 1,107,079 320,5% 2010 2013 693 30,167 44 132,466 115,036 447,6% 194.66 2015 675 55,530 82 258,274 281.002 506,0% 416.30 340,332 238,602 449,70 72 116,896 135,518 276.0% 198.71 2017 481 171,927 357 99,425 280,806 165,4% 583.80 246,637 60,43 530,216 88 1,893,567 2,208,243 416.5% 365.42 2010 2.000 2.000 2.010	ME,DI,DB,	2009	553	23,279	42	100,912		100,912	433.5%	182.48			316,762					286,219	90.4%	-
2012 639 25.385 40 519.517 519.517 2,046.69% 813.02 2014 682 49,100 72 116,896 135,036 447.69% 194.87 2014 682 49,100 72 116,896 135,131 276.09% 198.71 356,329 2015 675 55,530 82 258,274 281,002 506.09% 416.30 340,332 449,766 132,29% 20.0 2015 6608 105,303 173 212,192 301,567 286.49% 496.00 298,618 438,327 146.89% 20.0 2017 481 171,827 357 99,425 280,806 163.49% 583.80 248,634 370,552 149,09% 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.	FE,SU,	2010	582	23,208	40	92,124		92,124	396.9%	158.29			315,796					237,538	75.2%	-
2013 693 30,167 44 123,466 135,036 447,6% 194.86 2014 682 49,100 72 116,896 135,518 276,0% 198.71 2015 675 55,530 82 258,274 281,002 506,0% 416,30 340,332 449,776 132,2% 20.00 2016 608 105,303 173 212,192 301,567 286,4% 496,00 298,618 438,327 448,327 448,327 457 49,475 49,47	AccBen (indivis	2011	611	24,277	40	240,888		240,888	992.2%	394.25			330,342					564,652	170.9%	-
2014 682 49,100 72 116,896 135,518 276,0% 198,71 2015 675 55,530 82 258,274 281,002 506,0% 416,30 2016 608 105,303 173 212,192 301,567 286,4% 496,00 298,618 438,327 146,8% 20.0 2016 1481 171,827 357 99,425 280,806 163,4% 583,80 449,600 2498,618 370,552 149,0% 20.0 2016 2009 - 42 - 1,0000 13,6072 1,0000 13,6072 1,0000 13,6072 1,0000 13,6072 1,0000 13,6072 1,0000 13,6072 1,0000 13,6072 1,0000 13,6072 1,0000		2012	639	25,385	40	519,517		519,517	2,046.6%	813.02			345,419					1,107,079	320.5%	-
2015 675 55,530 82 258,274 281,002 506.0% 416.30 2016 608 105,303 173 212,192 301,567 286.4% 496.00 298,618 340,332 2016 481 171,827 357 99,425 280,806 163.4% 583.80 748,634 370,555 149.0% 20.0 70tal/Wtd Avg. 6,043 530,216 88 1,893,567 2,208,243 416.5% 365.42 3,213,921 3,213,		2013	693	30,167	44	132,466		135,036	447.6%	194.86			360,426					261,531	72.6%	20.0%
2016 608 105,303 173 212,192 301,567 286.4% 496.00 298,618 248,634 248,634 248,634 370,552 370		2014	682		72	116,896		135,518	276.0%	198.71			356,329						67.0%	20.0%
Total/Wtd Avg.   G,043   530,216   88   1,893,567   2,208,243   416.5%   365.42     370,552   149.0%   20.0   20								281,002	506.0%	416.30									132.2%	20.0%
Total/Wtd Avg.   6,043   530,216   88   1,893,567   2,208,243   416.5%   365.42     3,213,921   3,213,921   3,213,921     3,21		2016	608	105,303		212,192		301,567	286.4%	496.00								438,327	146.8%	20.0%
Medical Expenses  ME 2008 - 43 - 1.0000 13.6072 1.0000		2017	481	171,827	357				163.4%	583.80										20.0%
ME 2008 - 43 - 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000		Total/Wtd Avg.	6,043	530,216	88	1,893,567		2,208,243	416.5%	365.42			3,213,921					4,331,490	113.5%	100.0%
2009 - 42 - 1,0000 13,6072 1,0000 13,6072 1,0000 2,011 40 - 1,0000 13,6072 1,0000 13,6072 1,0000 13,6072 1,0000	Medical Expens	ses																		
2010 - 40 - 1,0000 13,6072 1,0000 13,6072 1,0000 2011 40 - 1,0000 13,6072 1,0000	ME		-	-		-		-	-	-	13.6072		-	-	-			-	-	-
2011 - 40 - 1,0000 13,6072 1,0000 13,6072 1,0000 2012 40 - 1,0000 13,6072 1,0000		2009	-	-	42	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
2012 - 40 - 1.0000 13.6072 1.0000 20.000			-	-		-		-	-	-	13.6072		-	-	-			-	-	-
2013 - 44 - 1.0194			-	-		-		-	-	-			-	-	-			-	-	-
2014 - 72 1.1593 7 2015 - 82 1.0880 6.1288 1.0000 - 6.1288 1.0000 - 6.1288 1.0000 - 6.1288 1.0000 - 7 2016 - 173 1.4212 2.8243 7 2017 - 357 2.8243 7  Total/Wtd Avg 933 7  Disability Income		2012	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
2015 - 82 - 1.0880 6.1288 1.0000 2016 - 173 - 1.4212 2.8358 1.0000 2.000			-	-		-		-	-	-	11.9477		-	-	-			-	-	20.0%
2016 - 173 - 1.4212 2.8358 1.0000 2.00 2017 - 357 - 2.8243 1.4470 1.0000 20.0 Total/Wtd Avg 933 100.0		2014	-	-	72	-	1.1593	-	-	-	7.2572	1.0000	-	-	-			-	-	20.0%
2017         -         -         357         -         2.8243         -         -         -         1.4470         1.0000         -         -         -         -         -         20.0           Total/Wtd Avg.         -         -         933         -         -         -         -         -         -         -         100.0           Disability Income         -         -         -         -         -         -         -         -         -         100.0			-	-		-	1.0880	-	-	-	6.1288	1.0000	-	-	-			-	-	20.0%
Total/Wtd Avg.         -         933         -         -         -         100.0           Disability Income                  100.0		2016	-	-		-	1.4212	-	-	-	2.8358	1.0000	-	-	-			-	-	20.0%
Disability Income Usability Income						-	2.8243		-	-	1.4470	1.0000	-		-			-		20.0%
		Total/Wtd Avg.	-	-	933	-		-	-	-			-					-	-	100.0%
DI 2008 43 - 1.0000   13.6072 1.0000	Disability Incom	me																		
	DI	2008	-	-	43	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-

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Exh D-1

Personal Control   Personal Co			Provincial Los	s Ratio (In	demnity Onl	y)														
Controlled   Architect   Controlled   Cont	as at:	31-Dec-2017				FA Exp	erience				Earne	d Premium Or	n-Level		Ultima	ate Indemnity O	n-Level			
Controlling			Farned										On-Level		Catastrophe	Other	Loss Cost	Trended	Trended	
Part	Coverage	AY																	Ultimate Loss	Accident
18   654   1935   193			(excl trailers)	Premium	Premium	indemnity	ment Factor	indemnity	Ratio	Costs			Premium	Load (%)	Load (%)	Loads (%)	Factor	Losses	Ratio	Year Weight
Size			(1c)	(\$1c)	(\$1c)	(\$1c)		(\$1c)		(\$1e)	Level Factor	Factor	(\$1e)					(\$1c)		
FAALS PAALS   FAALS   12  1  1    AAAK   12  1  1    AAAK   12  1  1    AAAK   12  1  1    AAAK   12  1  1  1  1  1  1  1  1  1  1  1  1							[5]		[7]		[9]	[10]		[12]	[13]	[14]	[15]		[17]	[18]
FA AND   F			[±]	[2]	[5]	[-1]	[5]	[0]	[7]	[0]	[5]	[10]	[11]	[12]	[15]	[1-1]			[27]	[10]
Trans.   T			54.407	FA 411/	[2]/[4]	FA 411/	Exh D-2,	[4]+[=]	161/121	FC1 /F41	51.53	5 l D 4:	[2]*[0]*[40]						[4.6]/[4.4]	
1500   1500			FA AIX	FA AIX	=[2]/[1]	FA AIX		=[4]*[5]	=[6]/[2]	=[6]/[1]	EXN D-3a	EXN D-4a	=[2]*[9]*[10]	Input	input	input			=[16]/[11]	input
2010																	D-5b (ALT))	4]) [13]		
2011			-	-		-		-	-	-			-	-	-	+		-	-	-
2012			-	-		-		-	-	-			-	-	-	•		-	-	-
2013				-		-		-	-	-				-	-				-	-
2014				-		-		-	-	-				-	-				-	20.0%
2015			-	-		-		-	-	-			-	-	-	1		-	-	20.0%
2016								-		-										20.0%
Total/Wid Arg.			_	_		_		-	-	-			-	_	-				-	20.0%
Total/Wind May,			-			-			-	-			-	-	-			-	-	20.0%
DB 2008	Т		-	-		-		-	-	-			-					-	-	100.0%
2009   - 42	Death Benefits																			
2010   - 40	DB		-	-		-		-	-	-			-	-	-			-	-	-
2011			-	-		-		-	-	-			-	-	-	•		-	-	-
2012			-	-		-		-	-	-				-	-				-	-
2013				-				-	-	-				-	-				-	-
2014				-				-	-	-				-	-				-	- 20.00/
2015   2016   2016   2017   3   1,4212   2   2   2,8358   1,0000   2   2,8358   2,0000			-	-				-	-	-			-	-	-				-	20.0% 20.0%
2016   173   1.4112   1.470   1.0000   1.4470								-		-										20.0%
Total/Wid Avg.   -			_	_		_		-	-	-			-	_	-			-	-	20.0%
Total/Mtd Avg.  FE 2008  -			-			-			-	-			-	-	-			-	-	20.0%
FE 2008	Т	Total/Wtd Avg.	-	-					-	-			-					-	-	100.0%
2009	Funeral Expense	es																		
2010	FE		-	-		-		-	-	-			-	-	-	•		-	-	-
2011 - 40 - 1,0000 13,6072 1,0000 - 1,0000 2,013 44 - 1,0194 13,6072 1,0000 13,6072 1,0000			-	-		-		-	-	-			-	-	-			-	-	-
2012			-	-		-		-	-	-			-	-	-			-	-	-
2013			-	-				-	-	-				-	-				-	-
2014			-	-				-	-	-				-	-				-	20.0%
2015			-						-	-			-	-	-			-	-	20.0%
2016								-	-	-			-		_			-		20.0%
Total/Wtd Avg.   Tot			-	_		_		-	-	-			-	-	-				-	20.0%
Total/Wtd Avg.   -   933   -   -   -			-	-		-		-	-	-			-	-	-			-	-	20.0%
SU 2008 43 - 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000	T	otal/Wtd Avg.	-	-	933	-		-	-	-			-					-	-	100.0%
2009 42 - 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000																				
2010	SU		-	-		-		-	-	-			-	-	-			-	-	-
2011   40   - 1.0000     -   13.6072   1.0000   -     -     13.6072   1.0000   -     -     13.6072   1.0000   -     -     13.6072   1.0000   -     -     13.6072   1.0000   -     -     13.6072   1.0000   -       -     13.6072   1.0000   -       -     13.6072   1.0000   -                           -   -   -			-	-		-		-	-	-			-	-	-			-	-	-
2012			-	-		-		-	-	-			-	-	-			-	-	-
2013 44 - 1.0194 7.2572 1.0000 - 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2572 1.0000 7.2				-		-		-	-	-			-		-				-	-
2014 - 72 - 1.1593 6.1288 1.0000 - 6.1288 1.0000 - 2.2015 - 82 - 1.0880 6.1288 1.0000 - 2.2017 - 357 - 2.8243 1.4470 1.0000 - 2.2017 - 933 2.8243 1.4470 1.0000				-		-		-	-	-			-		-				-	- 20.00/
2015 82 - 1.0880 6.1288 1.0000 2.016 173 - 1.4212 2.8358 1.0000 2.8358 1.0000 2.8358 1.0000			-	-				-		-			-						-	20.0% 20.0%
2016 - 173 - 1.4212 2.8358 1.0000 - 1.4470 1.0000 - 1.44				-				-							-				-	20.0%
2017     -     357     -     2.8243     -     -     1.4470     1.0000     -       Total/Wtd Avg.     -     -     933     -     -     -     -     -     -     -     -       AccBen (indivisible)       AccBen (indivis 2008     519     22,140     43     120,873     1.000     120,873     545.9%     232.90     13.6072     1.0000     301,263     -     -     0.2%     3.1139     377,214     125.2%			-	-		-		-	-	-										20.0%
Total/Wtd Avg 933			-	_		-		-	-	-				-	-	J			-	20.0%
AccBen (indivisible) AccBen (indivis 2008 519 22,140 43 120,873 1.0000 120,873 545.9% 232.90 13.6072 1.0000 301,263 0.2% 3.1139 377,214 125.2%	Т		-	-		-		-	-	-			-			•		-	-	100.0%
****	AccBen (indivis	2008	519	22,140	43	120,873	1.0000			232.90	13.6072	1.0000	301,263	-	-	0.2%	3.1139	377,214	125.2%	-
2009   553 23,279 42   100,912 1.0000 100,912 433.5% 182.48   13.6072 1.0000 316,762   <mark>0.2%</mark> 2.8301 286,219   90.4%		2009	553	23,279	42	100,912	1.0000	100,912	433.5%	182.48	13.6072	1.0000	316,762	-	-	0.2%	2.8301	286,219	90.4%	-

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FA Experie	ence Projected	Provincial Los	ss Ratio (Inc	demnity Onl	y)														
as a	t: 31-Dec-2017				FA Expe	erience				Earne	d Premium Or	n-Level		Ultima	ate Indemnity O	n-Level			
		Formal								Earned	Rating	0.11		C. L. J.	0.1	161	Ŧ d . d	T	
6	***	Earned	Earned	Avg Earned	Recorded	Loss Develop-	Ultimate	Ultimate Loss	Ultimate Loss	Premium	Character-	On-Level	Large Loss	Catastrophe	Other	Loss Cost	Trended	Trended	Accident
Coverage	AY	Exposure	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On-	istic Drift	Earned	Load (%)	Adjustment	Adjustments /	Projection	Ultimate	Ultimate Loss	Year Weight
		(excl trailers)								Level Factor	Factor	Premium		Load (%)	Loads (%)	Factor	Losses	Ratio	
		(1s)	(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)			(\$1s)					(\$1s)		
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
																Regulatory	=[6]*(1+[12])*		
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Exh D-2,	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Benchmark	(1+[13])*(1+[1	=[16]/[11]	input
		IAAA	IAAA	-[2]/[1]	IAAA	Section C.	-[-] [3]	-[0]/[2]	-[0]/[1]	EXII D 30	EXII D 40	-[2] [3] [10]	IIIput	input	mpac	Trends (Exh	4])*[15]	-[10]/[11]	mpac
																D-5b (ALT))			
	2010	582	23,208	40	92,124	1.0000	92,124		158.29	13.6072	1.0000	315,796	-	-	0.2%	2.5728	237,538	75.2%	-
	2011	611	24,277	40	240,888	1.0000	240,888	992.2%	394.25	13.6072	1.0000	330,342	-	-	0.2%	2.3389	564,652	170.9%	-
	2012	639	25,385	40	519,517	1.0000	519,517		813.02	13.6072	1.0000	345,419	-	-	0.2%	2.1263	1,107,079	320.5%	-
	2013	693	30,167	44	132,466	1.0194	135,036		194.86	11.9477	1.0000	360,426	-	-	0.2%	1.9325	261,531	72.6%	20.0%
	2014	682	49,100	72	116,896	1.1593	135,518		198.71	7.2572	1.0000	356,329	-	-	0.2%	1.7568	238,602	67.0%	20.0%
	2015	675	55,530	82	258,274	1.0880	281,002	506.0%	416.30	6.1288	1.0000	340,332	-	-	0.2%	1.5971	449,776	132.2%	20.0%
	2016	608	105,303	173	212,192	1.4212	301,567	286.4%	496.00	2.8358	1.0000	298,618	-	-	0.1%	1.4519	438,327	146.8%	20.0%
	2017	481	171,827	357	99,425	2.8243	280,806	163.4%	583.80	1.4470	1.0000	248,634		-	-	1.3196	370,552	149.0%	20.0%
	Total/Wtd Avg.	6,043	530,216	88	1,893,567		2,208,243	416.5%	365.42			3,213,921					4,331,490	113.5%	100.0%
Uninsured Au																			
UA	2008	719	4,667	6	15,326	1.0000	15,326		21.32	23.1459	1.0000	108,022	-	-	-	3.1139	47,724	44.2%	-
	2009	758	5,162	7	102,310	1.0000	102,310		134.97	23.1459	1.0000	119,479	-	-	-	2.8301	289,548	242.3%	-
	2010	776	5,266	7	36,284	1.0000	36,284	689.0%	46.76	23.1459	1.0000	121,886	-	-	-	2.5728	93,351	76.6%	-
	2011	793	5,362	7	158,786	1.0000	158,786		200.23	23.1459	1.0000	124,108	-	-	-	2.3389	371,385	299.2%	-
	2012	816	5,532	7	37,865	1.0000	37,865		46.40	23.1459	1.0000	128,043	-	-	-	2.1263	80,512	62.9%	-
	2013	854	7,749	9	130,620	1.0000	130,620		152.95	20.0571	1.0000	155,422	-	-	-	1.9325	252,423	162.4%	20.0%
	2014	826	16,178	20	254,422	1.0200	259,510		314.18	12.2608	1.0000	198,355	-	-	-	1.7568	455,907	229.8%	20.0%
	2015	803	18,178	23	43,239	1.2644	54,671	300.8%	68.08	10.2871	1.0000	186,999	-	-	-	1.5971	87,315	46.7%	20.0%
	2016	733	39,464	54	112,472	1.3321	149,824		204.40	4.1656	1.0000	164,391	-	-	-	1.4519	217,529	132.3%	20.0%
	2017	614	80,635	131	95,054	2.8305	269,050	333.7%	438.19	1.8244	1.0000	147,110		-	-	1.3196	355,038	241.3%	20.0%
	Total/Wtd Avg.	7,692	188,193	24	986,378		1,214,246	645.2%	157.86			1,453,815					2,250,732	162.5%	100.0%
Underinsure						1.0000				4 0000	4 0000					4 0000			
UM	2008	-	-	-	-	1.0000	-	-	-	1.0000	1.0000 1.0000	-	-	-	-	1.0000 1.0000	-	-	-
	2009	-	-	-	-		-	-	-	1.0000		-	-	-	-		-	-	-
	2010	-	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	-
	2011	-	-		-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	-
	2012	-	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	- 20.00/
	2013	-	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	20.0%
	2014	-	- (4)		-	0.9985	-	-	-	1.0000	1.0000	- (4)	-	-	-	1.0000	-	-	20.0%
	2015	- (1)	(1)		-	1.0185	-	-	-	1.0000	1.0000	(1)	-	-	-	1.0000	-	-	20.0%
	2016 2017	(1)	(24)		-	1.1328 1.9309	-	-	-	1.0000 1.0000	1.0000 1.0000	(24)	-	-	-	1.0000 1.0000	-	-	20.0%
	Total/Wtd Avg.	(1)	(28)	28		1.9309	-			1.0000	1.0000	(28)				1.0000			100.0%
Collision	Total/ Wtu Avg.	(1)	(28)	20								(28)						-	100.076
CL	2008	27	35,099	1,300	11,450	1.0000	11,450	32.6%	424.07	0.5065	1.3881	24,677				1.0000	11,450	46.4%	
CL	2009	21	32,294	1,538	1,870	1.0000	1,870		89.05	0.5065	1.3505	22,090	_		_	1.0000	1,870	8.5%	
	2010	28	39,255	1,402	-	1.0000	- 1,870	3.6%	-	0.5152	1.3138	26,571	-	_	-	1.0000	-	6.5%	
	2010	36	43,999	1,402	11,380	1.0000	11,380		316.11	0.5132	1.2781	32,234	-	-	-	1.0000	11,380	35.3%	-
	2011	46	57,659	1,222	4,810	1.0000	4,810		104.57	0.5828	1.2434	41,783		-	-	1.0000	4,810	11.5%	-
	2012	49	60,424	1,233	16,908	1.0000	16,908		345.06	0.5828	1.2454	42,600	_	_	_	1.0000	16,908	39.7%	20.0%
	2013	51	65,370	1,282	29,723	1.0000	29,723	45.5%	582.80	0.6100	1.1768	46,926		-	-	1.0000	29,723	63.3%	20.0%
	2014	64	69,158	1,081	93,771	1.0000	93,771	135.6%	1,465.17	0.6133	1.1708	48,560		-	-	1.0000	93,771	193.1%	20.0%
	2016	81	81,974	1,081	63,425	0.9895	62,759		774.80	0.6754	1.1138	61,666	-	-	-	1.0000	62,759	193.1%	20.0%
	2016	93	78,599	845	120,168	0.8802	105,772		1,137.33	0.8754	1.1138	76,336		-	-	1.0000	105,772	138.6%	20.0%
	Total/Wtd Avg.	496	563,831	1,137	353,505	0.0002	338,443	60.0%	682.34	0.0302	1.0037	423,443	-	-		1.0000	338,443	107.3%	100.0%
Comp	rotal, with Avg.	430	202,031	1,137	333,303		330,443	00.0%	002.34			423,443	_				330,443	107.3%	100.0%
CM	2008	46	16,090	350	2,086	1.0000	2,086	13.0%	45.35	0.5358	1.5033	12,960			_	1.5959	3,329	25.7%	
CIVI	2009	52	21,392	411	17,353	1.0000	17,353	81.1%	333.71	0.5358	1.4529	16,653		_		1.5343	26,625	159.9%	
	2010	62	24,008	387	2,052	1.0000	2,052		33.10	0.5547	1.4039	18,696				1.4753	3,027	16.2%	
	2010	02	27,000	507	2,002	2.0000	2,032	0.570	33.10	0.5547	2.7033	10,050				2.7733	3,027	10.270	

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	nce Projected F	TOVITICIAI LOS	s Natio (iiio	lenninty Oni	FA Expe	rionco				Farno	d Premium O	n-Lovel		Ultima	te Indemnity O	n Lovel			
as at	31-Dec-2017				FA EXP	rience				Earned	Rating								
Coverage	AY	Earned Exposure (excl trailers)	Earned Premium	Avg Earned Premium	Recorded Indemnity	Loss Develop- ment Factor	Ultimate Indemnity	Ultimate Loss Ratio	Ultimate Loss Costs	Premium Rate On- Level Factor	Character- istic Drift Factor	On-Level Earned Premium	Large Loss Load (%)	Catastrophe Adjustment Load (%)	Other Adjustments / Loads (%)	Loss Cost Projection Factor	Trended Ultimate Losses	Trended Ultimate Loss Ratio	Accident Year Weight
		(1s)	(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)			(\$1s)					(\$1s)		
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Exh D-2, Section C.	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Regulatory Benchmark Trends (Exh D-5b (ALT))	=[6]*(1+[12])* (1+[13])*(1+[1 4])*[15]	=[16]/[11]	input
	2011	67	19,150	286	1,866	1.0000	1,866	9.7%	27.85	0.7242	1.3567	18,815	-	-	-	1.4186	2,647	14.1%	-
	2012	79	22,343	283	34,001	1.0000	34,001	152.2%	430.39	0.7632	1.3110	22,355	-	-	-	1.3640	46,377	207.5%	-
	2013	100	28,908	289	8,085	1.0000	8,085	28.0%	80.85	0.7632	1.2671	27,956	-	-	-	1.3114	10,603	37.9%	20.0%
	2014	115	33,299	290	25,924	1.0000	25,924	77.9%	225.43	0.7885	1.2243	32,146	-	-	-	1.2610	32,690	101.7%	20.0%
	2015 2016	127	40,216 43,938	317 354	1,382 45,691	1.0000 1.0000	1,382 45,691	3.4% 104.0%	10.88	0.7707	1.1832 1.1434	36,673 39,056	-	-	-	1.2125 1.1658	1,676	4.6%	20.0%
	2016	124 116	39,963	345	52,798	1.0000	55,427	138.7%	368.48 477.82	0.7774 0.8942	1.1434	39,056	-	-	-	1.1058	53,267 62,128	136.4% 157.3%	20.0%
	Total/Wtd Avg.	888	289,307	345	191,238	1.0498	193,867	67.0%	218.32	0.8942	1.1050	264,797	-	-	-	1.1209	242,369	87.6%	100.0%
Specified Peri		- 000	203,307	320	131,230		133,007	07.070	210.52			204,737					242,303	67.070	100.070
SP	2008	219	31,706	145	8,695	1.0000	8,695	27.4%	39.70	0.4647	1.5033	22,149	_	_	-	1.5959	13,876	62.6%	-
	2009	254	42,622	168	14,913	1.0000	14,913	35.0%	58.71	0.4647	1.4529	28,777	_	_	_	1.5343	22,881	79.5%	-
	2010	249	41,744	168	7,395	1.0000	7,395	17.7%	29.70	0.4835	1.4039	28,335	-	-	-	1.4753	10,910	38.5%	-
	2011	241	30,887	128	16,112	1.0000	16,112	52.2%	66.85	0.6722	1.3567	28,168	-	-	-	1.4186	22,856	81.1%	-
	2012	235	29,843	127	32,391	1.0000	32,391	108.5%	137.83	0.7250	1.3110	28,365	-	-	-	1.3640	44,181	155.8%	-
	2013	231	29,306	127	15,038	1.0000	15,038	51.3%	65.10	0.7250	1.2671	26,922	-	-	-	1.3114	19,721	73.3%	20.0%
	2014	220	27,075	123	-	1.0000	-	-	-	0.7978	1.2243	26,445	-	-	-	1.2610	-	-	20.0%
	2015	226	25,539	113	13,377	1.0000	13,377	52.4%	59.19	1.0312	1.1832	31,161	-	-	-	1.2125	16,220	52.1%	20.0%
	2016	206	26,263	127	5,019	1.0000	5,019	19.1%	24.36	1.0612	1.1434	31,867	-	-	-	1.1658	5,851	18.4%	20.0%
	2017	177	27,713	157	12,561	1.1574	14,538	52.5%	82.14	0.9295	1.1050	28,464	-	-	-	1.1209	16,296	57.3%	20.0%
	Total/Wtd Avg.	2,258	312,698	138	125,501		127,478	40.8%	56.46			280,653					172,792	40.2%	100.0%
All Perils	2000		4.264	4.254		4 0000				0.5476	0.0534	672				4 5050			
AP	2008 2009	1 1	1,364 884	1,364 884	-	1.0000 1.0000	•	-	-	0.5176 0.5176	0.9534 0.9572	673 438	-	-	-	1.5959 1.5343	-	-	-
	2010	1	1,530	1,530	-	1.0000	-	-	-	0.5299	0.9610	779	-	-	-	1.4753	-	-	-
	2011	2	1,958	979		1.0000	_	_		0.6240	0.9649	1,179		_		1.4186			
	2012	2	2,407	1,204	-	1.0000	-	-		0.6421	0.9688	1,497				1.3640		_	-
	2012	8	13,644	1,706	5,997	1.0000	5,997	44.0%	749.63	0.6421	0.9726	8,521		_	-	1.3114	7,864	92.3%	20.0%
	2013	12	18,003	1,500	8,823	1.0000	8,823	49.0%	735.25	0.6693	0.9766	11,767	_	_	_	1.2610	11,126	94.6%	20.0%
	2015	6	7,274	1,212	-	1.0000	-	-	-	0.6666	0.9805	4,754	-	-	-	1.2125	,-20	-	20.0%
	2016	-	441	441	-	1.0000	-	-	-	0.7120	0.9844	309	-	-	-	1.1658	-	-	20.0%
	2017	-	-	-	_	1.0000	-	-	-	0.8953	0.9884	-	-	_	_	1.1209	-	-	20.0%
	Total/Wtd Avg.	33	47,505	1,440	14,820		14,820	31.2%	449.09			29,917					18,990	37.4%	100.0%

Exh D-2

Loss Develor	pment Factors			Val Market:	FARM	,	Val Jurisdiction:	NL	Val Bu	siness Segment:	non-PPV						
as at:	31-Dec-2017	A. Selected Ult	imate Indemnit	y by Minor Cov	erage Type												
	Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils
-		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
		2017 Q4	2017 Q4	2017 Q4		2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4 FARM	2017 Q4	2017 Q4	2017 Q4	2017 Q4
	(\$1s)	FARM	FARM	FARM	=sum([1]to[3])	FARM	FARM	FARM	FARM	FARM	FARM	FARM	valuation	FARM	FARM	FARM	FARM
_		valuation	valuation	valuation		valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation
	2008	2,812,640	371,054	-	3,183,694						161,065	49,800	-	100,812	20,439	32,767	46,266
	2009	2,531,941	464,019	-	2,995,960						163,932	102,310	-	65,577	96,295	29,002	18,724
	2010	3,661,926	459,985	-	4,121,911						323,108	234,666	500,150	36,290	7,541	37,965	69,890
	2011	3,685,228	735,945	-	4,421,173						313,280	242,343	-	52,393	289,554	149,787	35,728
	2012	5,179,476	613,466	-	5,792,942						743,320	37,865	-	176,944	134,406	139,454	50,445
	2013	3,097,152	512,552	-	3,609,704						210,718	130,620	-	176,134	70,920	61,131	37,462
	2014	3,240,945	747,417	-	3,988,362						196,439	305,422	4,000	110,186	81,905	37,028	21,534
	2015	4,524,817	931,641	-	5,456,458						531,551	90,862	10,000	213,734	117,304	87,170	494,385
	2016	4,546,338	851,802	-	5,398,140						442,050	252,698	19,000	282,616	221,484	51,530	-
	2017	4,109,004	735,857	-	4,844,861						421,095	269,054	27,000	286,612	210,866	95,585	-
diagonal:	31-Dec-2017	B. Pecorded In	demnity by Min	or Coverage Tv	ine.												
diagonai:	31-Det-2017	B. Recorded III		or Coverage Ty	pe l	Medical	Disability		Funaral		AccBen	Uninsured	Underingured			Specified	
	Accident Year	<b>Bodily Injury</b>	Property Damage	DCPD	TPL (indivisible)	Expenses	Income	Death Benefits	Funeral Expenses	Supp. AccBen	(indivisible)	Automobile	Underinsured Motorist	Collision	Comp	Perils	All Perils
-		[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]
		2017 Q4	2017 Q4	2017 Q4	=sum([17]to	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4 FARM	2017 Q4	2017 Q4	2017 Q4	2017 Q4
	(\$1s)	FARM Data	FARM Data	FARM Data	=sum([17]to [19])	FARM Data	FARM Data	FARM Data	FARM Data	FARM Data	FARM Data	FARM Data	Data	FARM Data	FARM Data	FARM Data	FARM Data
-	2008	2,812,640	371,054	FARIVI Data	. ,,	127,209	32,856	FARIVI Data	1,000	FARIVI Data		49,800	Data	100,812	20,439		
					3,183,694	119,184	44,748		- 1,000	-	161,065		-			32,767	46,266
	2009 2010	2,531,941 3,661,926	464,019 459,985		2,995,960 4,121,911	135,990	173,118	13,000	1,000	-	163,932 323,108	102,310 234,666	500,150	65,577 36,290	96,295 7,541	29,002 37,965	18,724 69,890
	2010	3,685,228	735,945		4,421,173	199,975	112,305	-	1,000	-	313,280	242,343	300,130	52,393	289,554	149,787	35,728
	2011	5,179,476	613,466		5,792,942	207,130	536,190		-	-	743,320	37,865		176,944	134,406	139,454	50,445
	2012	3,173,470	512,552		3,609,704	162,676	33,042	10,000	1,000	-	206,718	130,620		176,134	70,920	61,131	37,462
	2013	3,245,945	747,417		3,993,362	149,222	18,217	10,000	2,000		169,439	299,422		110,186	81,905	37,028	21,534
	2014	4,442,817	931,641		5,374,458	354,784	132,767		1,000	-	488,551	71,862		213,734	117,304	87,170	494,385
	2015	4,013,338	823,802		4,837,140	271,343	39,707		1,000		311,050	189,698		285,616	221,484	51,530	494,363
	2017	2,128,004	650,857		2,778,861	120,277	28,818				149,095	95,054		325,612	200,866	82,585	-
=	2017	2,128,004	030,837		2,776,801	120,277	20,010				149,093	93,034		323,012	200,800	62,363	
		C. Implied Loss	Development F	actor													
	Accident Year	Bodily Injury	Property	DCPD	TPL (indivisible)	Medical	Disability	Death Benefits	Funeral	Supp. AccBen	AccBen	Uninsured	Underinsured	Collision	Comp	Specified	All Perils
_	Accident real		Damage		, ,	Expenses	Income		Expenses	Зарр. Ассьен	(indivisible)	Automobile	Motorist		· ·	Perils	
		[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]	[47]	[48]
			=if(or([5]=0,[1					=if(or([5]=0,[2				-if([27]-0 [42]	=if([28]=0,[33],[				
		7]=0),[36],[1]/[	8]=0),[36],[2]/[	9]=0),[36],[3]/[	=[4]/[20]	1]=0),[42],[5]/[	2]=0),[42],[6]/	[ 3]=0),[42],[7]/[	4]=0),[42],[8]/	[ 5]=0),[42],[9]/[	=[10]/[26]	[11]/[27])	12]/[28])	=[13]/[29]	=[14]/[30]	=[15]/[31]	=[16]/[32]
_		17])	18])	19])		21])	22])	23])	24])	25])							
	2008	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	2009	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	2010	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	2011	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	2012	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	2013	1.0000	1.0000	1.0000	1.0000	1.0194	1.0194	1.0194	1.0194	1.0194	1.0194	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	2014	0.9985	1.0000	0.9987	0.9987	1.1593	1.1593	1.1593	1.1593	1.1593	1.1593	1.0200	0.9985	1.0000	1.0000	1.0000	1.0000
	2015	1.0185	1.0000	1.0153	1.0153	1.0880	1.0880	1.0880	1.0880	1.0880	1.0880	1.2644	1.0185	1.0000	1.0000	1.0000	1.0000
	2016	1.1328	1.0340	1.1160	1.1160	1.4212	1.4212	1.4212	1.4212	1.4212	1.4212	1.3321	1.1328	0.9895	1.0000	1.0000	1.0000
_	2017	1.9309	1.1306	1.7435	1.7435	2.8243	2.8243	2.8243	2.8243	2.8243	2.8243	2.8305	1.9309	0.8802	1.0498	1.1574	1.0000
_																	

Exh D-5a

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

2022

Vehicle Type: Taxi Project ID: NL-2018Q2-TX

type: Reg. Benchmark market: INDUSTRY rating class: CV as at: 30-Jun-17

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all

Exh D-5a Page 10 of 16

## **Summary - Loss Cost Projection Factors**

Loss Cost Proje	ction Factors to	29-May-2020			As per Exh D-5b	(ALT)				
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b (ALT),	Exh D-5b	Exh D-5b	Exh D-5b
	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	column[7]	(ALT),	(ALT),	(ALT),
	column[1]	column[2]	column[3]	column[4]	column[5]	column[6]	column[/]	column[8]	column[9]	column[10]
2008	1.0000	1.3422	1.3422	1.0843	3.1139	3.1139	1.0000	1.0000	1.5959	1.5959
2009	1.0000	1.3093	1.3093	1.0776	2.8301	2.8301	1.0000	1.0000	1.5343	1.5343
2010	1.0000	1.2774	1.2774	1.0709	2.5728	2.5728	1.0000	1.0000	1.4753	1.4753
2011	1.0000	1.2462	1.2462	1.0641	2.3389	2.3389	1.0000	1.0000	1.4186	1.4186
2012	1.0000	1.2159	1.2159	1.0572	2.1263	2.1263	1.0000	1.0000	1.3640	1.3640
2013	1.0000	1.1861	1.1861	1.0502	1.9325	1.9325	1.0000	1.0000	1.3114	1.3114
2014	1.0000	1.1572	1.1572	1.0432	1.7568	1.7568	1.0000	1.0000	1.2610	1.2610
2015	1.0000	1.1290	1.1290	1.0361	1.5971	1.5971	1.0000	1.0000	1.2125	1.2125
2016	1.0000	1.1014	1.1014	1.0288	1.4519	1.4519	1.0000	1.0000	1.1658	1.1658
2017	1.0000	1.0745	1.0745	1.0216	1.3196	1.3196	1.0000	1.0000	1.1209	1.1209

Medical	Disability	Death Benefits	Funeral	Supp. AccBen	All Perils	І т
Expenses	Income	Death benefits	Expenses	зарр. Ассьен	All Fellis	
[11]	[12]	[13]	[14]	[15]	[16]	
Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Ex
(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	
column[11]	column[12]	column[13]	column[14]	column[15]	column[16]	(ALT)
					1.5959	
					1.5343	
					1.4753	
					1.4186	
					1.3640	
					1.3114	
					1.2610	
					1.2125	
					1.1658	
					1.1209	

	Total
	[17]
	Exh D-5b (ALT), column
)	0.1293
3	0.1298
3	0.1349
5	0.1384
)	0.1433
ļ	0.1505
)	0.1590
5	0.1677
3	0.1731
)	0.1845

#### **Modeled Loss Cost** As per Exh D-5b (ALT) (1s) unless otherwise indicated

Accident Year	Dodily Injury	Property	DCPD	TPL	AccBen	Uninsured	Underinsured	Collision	Comn	Specified
Accident rear	Bodily Injury	Damage	DCPD	(indivisible)	(indivisible)	Automobile	Motorist	Collision	Comp	Perils
	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]
	LC Model	LC Model	LC Model	=sum([18] to	LC Model Output +	LC Model	LC Model	LC Model	LC Model	LC Model
	Output	Output	Output	[20])	sum([28] to [32])	Output	Output	Output	Output	Output
2008	257.02	84.08	-	341.10	6.98	2.00	0.76	141.01	79.75	25.0
2009	257.02	86.19	-	343.21	7.68	2.20	0.76	141.01	82.95	26.0
2010	257.02	88.34	-	345.36	8.45	2.42	0.76	141.01	86.27	27.0
2011	257.02	90.55		347.57	9.29	2.66	0.76	141.01	89.72	28.1

[18]	[19]	[20]	[21]	[22] LC Model	[23]	[24]	[25]	[26]	[27]
LC Model	LC Model	LC Model	=sum([18] to	Output +	LC Model				
Output	Output	Output	[20])	sum([28] to [32])	Output	Output	Output	Output	Output
257.02	84.08	-	341.10	6.98	2.00	0.76	141.01	79.75	25.04
257.02	86.19	-	343.21	7.68	2.20	0.76	141.01	82.95	26.05
257.02	88.34	-	345.36	8.45	2.42	0.76	141.01	86.27	27.09
257.02	90.55	-	347.57	9.29	2.66	0.76	141.01	89.72	28.17
257.02	92.81	-	349.83	10.22	2.93	0.76	141.01	93.31	29.30
257.02	95.14	-	352.16	11.25	3.22	0.76	141.01	97.05	30.48
257.02	97.52	-	354.54	12.38	3.54	0.76	141.01	100.93	31.70
257.02	99.96		356.98	13.62	3.89	0.76	141.01	104.97	32.97
257.02	102.46	-	359.48	14.98	4.28	0.76	141.01	109.17	34.29
257.02	105.02		362.04	16.48	4.71	0.76	141.01	113.54	35.66
257.02	107.64	-	364.66	18.13	5.18	0.76	141.01	118.08	37.09
257.02	110.33		367.35	19.94	5.70	0.76	141.01	122.81	38.58
257.02	113.08	-	370.10	21.94	6.27	0.76	141.01	127.72	40.12
257.02	115.91		372.93	24.14	6.90	0.76	141.01	132.85	41.73
257.02	118.82	-	375.84	26.56	7.59	0.76	141.01	138.16	43.40

2019 24.7%

Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	All Perils	Total
[28]	[29]	[30]	[31]	[32]	[33]	[34]
LC Model Output	LC Model Output	LC Model Output	LC Model Output	LC Model Output	=2/3*[25] + 1/3*[26])	average using FARM exposures
					92.61	366.08
					96.33	369.26
					100.18	374.77
					104.18	380.19
					108.35	386.45
					112.70	393.36
					117.20	401.55
					121.89	410.89
					126.77	419.95
-	-	-	-	-	131.85	432.41
					137.12	438.04
					142.61	443.98
					148.31	450.22
					154.27	456.82
					160.43	463.78

@ projected avg accident date:			As	s per Exh D-5b (A	LT)					
orior analysis 30-Sep-2018 257.02	108.30	-	365.32	18.58	5.31	0.76	141.01	119.25	37.46	138.

current analysis	S										
29-May-2020	257.02	112.83	369.85	21.76	6.22	0.76	141.01	127.28	39.98	147.80	449.66

75.3%

weights by AY: 2018

439.51

Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi

Loss Cost Projection Factors to 29-May-2020

Project ID: NL-2018Q2-TX Exh D-5b (ALT)

Summary - Loss Cost Projection Factors (ALTERNATIVE BASIS - CONSISTENT WITH REGULATORY BENCHMARKS)

AccBen

=(1+trend rate)^([May 29 2020]-[average AY loss date])/365)

Uninsured Underinsured

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all

Funeral

Exh D-5b (ALT) Page 11 of 16

Specified

Medical

INDUSTRY Rating Class:

Disability

as at: 30-Jun-2017

Accident Year	Bodily Injury	Property	DCPD	TPL	AccBen	Uninsured	Underinsured	Collision	Comp	Specified	Medical	Disability	Death Benefits	Funeral	Supp. AccBen	All Perils	TOTAL
	fe1	Damage	[2]	(indivisible)	(indivisible)	Automobile	Motorist	[0]	ro1	Perils	Expenses		[40]	Expenses	[ae]	[4.6]	famil
2000	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]
2008	1.0000	1.3422	1.3422	1.0843	3.1139	3.1139	1.0000	1.0000	1.5959	1.5959						1.5959	0.1293
2009	1.0000	1.3093	1.3093	1.0776	2.8301	2.8301	1.0000	1.0000	1.5343	1.5343						1.5343	0.1298
2010	1.0000	1.2774	1.2774	1.0709	2.5728	2.5728	1.0000	1.0000	1.4753	1.4753						1.4753	0.1349
2011	1.0000	1.2462	1.2462	1.0641	2.3389	2.3389	1.0000	1.0000	1.4186	1.4186						1.4186	0.1384
2012	1.0000	1.2159	1.2159	1.0572	2.1263	2.1263	1.0000	1.0000	1.3640	1.3640						1.3640	0.1433
2013	1.0000	1.1861	1.1861	1.0502	1.9325	1.9325	1.0000	1.0000	1.3114	1.3114						1.3114	0.1505
2014	1.0000	1.1572	1.1572	1.0432	1.7568	1.7568	1.0000	1.0000	1.2610	1.2610						1.2610	0.1590
2015	1.0000	1.1290	1.1290	1.0361	1.5971	1.5971	1.0000	1.0000	1.2125	1.2125						1.2125	0.1677
2016	1.0000	1.1014	1.1014	1.0288	1.4519	1.4519	1.0000	1.0000	1.1658	1.1658						1.1658	0.1731
2017	1.0000	1.0745	1.0745	1.0216	1.3196	1.3196	1.0000	1.0000	1.1209	1.1209						1.1209	0.1845
2018	1.0000	1.0483	1.0483	1.0142	1.1996	1.1996	1.0000	1.0000	1.0778	1.0778						1.0778	0.1821
2019	1.0000	1.0227	1.0227	1.0068	1.0906	1.0906	1.0000	1.0000	1.0363	1.0363						1.0363	0.1797
2020	1.0000	0.9978	0.9978	0.9993	0.9914	0.9914	1.0000	1.0000	0.9965	0.9965						0.9965	0.1772
2021	1.0000	0.9734	0.9734	0.9917	0.9011	0.9011	1.0000	1.0000	0.9580	0.9580						0.9580	0.1747
2022	1.0000	0.9496	0.9496	0.9841	0.8191	0.8191	1.0000	1.0000	0.9212	0.9212						0.9212	0.1721
trend rate  Estimated Loss (1s)	Amount	<b>2.50%</b> Exh D-5b, FARN	<b>2.50%</b> A exposure x Inc		<b>10.00%</b> loss cost	10.00%	<b>0.00%</b> uses AY 2017 fro	0.00% m Exh D-5b as st	4.00% tarting point	4.00%						4.00%	
		Property	DCPD	TPL	AccBen	Uninsured	Underinsured	C-III-i	C	Specified	Medical	Disability	Darah Barafia	Funeral	C A D	All Davila	TOTAL
Accident Year	Bodily Injury	Damage	DCPD	(indivisible)	(indivisible)	Automobile	Motorist	Collision	Comp	Perils	Expenses	Income	Death Benefits	Expenses	Supp. AccBen	All Perils	TOTAL
	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34]
																	average using
	calculated	calculated	calculated	calculated	calculated		calculated from	calculated	calculated	calculated	calculated		calculated	calculated	calculated	calculated	FARM
	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-	5b from Exh D-5	b from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	exposures
2008	257.02	84.08	-	341.10	6.98	2.00	0.76	141.01	79.75	25.04						92.61	366.08
2009	257.02	86.19	-	343.21	7.68	2.20	0.76	141.01	82.95	26.05						96.33	369.26
2010	257.02	88.34	-	345.36	8.45	2.42	0.76	141.01	86.27	27.09						100.18	374.77
2011	257.02	90.55	_	347.57	9.29	2.66	0.76	141.01	89.72	28.17						104.18	380.19
2012	257.02	92.81	-	349.83	10.22	2.93	0.76	141.01	93.31	29.30						108.35	386.45
2013	257.02	95.14	-	352.16	11.25	3.22	0.76	141.01	97.05	30.48						112.70	393.36
2014	257.02	97.52		354.54	12.38	3.54	0.76	141.01	100.93	31.70						117.20	401.55
2015	257.02	99.96	_	356.98	13.62	3.89	0.76	141.01	104.97	32.97						121.89	410.89
2015	257.02	102.46	-	359.48	14.98	4.28	0.76	141.01	109.17	34.29						126.77	419.95
2017	257.02	105.02		362.04	16.48	4.28	0.76	141.01	113.54	35.66	_					131.85	432.41
2017	257.02	107.64	_	364.66	18.13	5.18	0.76	141.01	118.08	37.09	_					137.12	438.04
2018	257.02	110.33		367.35	19.94	5.70	0.76	141.01	122.81	38.58						142.61	443.98
2019	257.02	113.08	-	370.10	21.94	6.27	0.76	141.01	127.72	40.12						142.61	450.22
2020	257.02	115.08	-	370.10	21.94	6.27	0.76	141.01	132.85	41.73						154.27	456.82
2021	257.02	113.91	-	375.84	26.56	7.59	0.76	141.01	138.16	43.40						160.43	463.78
	vg accident date			365.32	18.58	5.31	0.76	141.01	119.25	37.46						138.48	439.51
											_						
	weights by AY:	2018	75.3%		2019	24.7%											
current analysi	ic																
29-May-2020	257.02	112.83	-	369.85	21.76	6.22	0.76	141.01	127.28	39.98						147.80	449.66
29-1VIdy-2020	257.02	112.83	-	309.85	21./6	0.22	0.76	141.01	127.28	39.98						147.80	449.66
	weights by AY:	2019	9.0%		2020	91.0%											

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all

Exh D-5b (ALT) Page 12 of 16

Vehicle Type: Taxi Project ID: NL-2018Q2-TX

Exh D-5b (ALT)

Summary - Loss Cost Projection Factors (ALTERNATIVE BASIS - CONSISTENT WITH REGULATORY BENCHMARKS)

INDUSTRY Rating Class:

<b>Earned Exposu</b>	re (excl trailers)		FARM		as at:	31-Dec-2017						
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	Medical Expenses	Disability Income
	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]
	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	EADA4 AIV	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX
	data	data	data	data	data	data	FARM AIX data	data	data	data	data	data
2008	-	-	-	725	519	719	-	27	46	219	-	-
2009	-	-	-	764	553	758	-	21	52	254	-	-
2010	-	-	-	780	582	776	-	28	62	249	-	-
2011	-	-	-	793	611	793	-	36	67	241	-	-
2012	-	-	-	816	639	816	-	46	79	235	-	-
2013	-	-	-	852	693	854	-	49	100	231	-	-
2014	-	-	-	820	682	826	-	51	115	220	-	-
2015	-	-	-	795	675	803	-	64	127	226	-	-
2016	-	-	-	732	608	733	(1)	81	124	206	-	-
2017	-	-		617	481	614	-	93	116	177	-	-
2018	-	-	-	617	481	614	-	93	116	177	-	-
2019	-	-	-	617	481	614	-	93	116	177	-	-
2020	-	-	-	617	481	614	-	93	116	177	-	-
2021	-	-		617	481	614	-	93	116	177	-	-
2022	-	-	-	617	481	614	-	93	116	177	-	-

Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	All Perils
[45] FARM AIX data	[46] FARM AIX data	[47] FARM AIX data	[48] FARM AIX data	[49] FARM AIX data	[50] FARM AIX data
-	-		-		1
	-	-		-	1
	-	-		-	1
	-	-		-	2
-	-	-	-	-	2
-	-	-	-	-	8
	-	-	-	-	12
-	-	-	-	-	6
	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

Facility Association Residual Market (FARM)

Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi Project ID: NL-2018Q2-TX

jurisdiction (short form): NL major rating class: PUB

> minor rating class: TX rating type: all

## Exh F-1 **Interest Rate Selection for Discount and Cost of Capital Calculations**

**Based on Canadian Treasury and Canada Bonds Yields** 

**Historical Yields** 1-3 yr 91-day 3-5 yr 5-10 yr 10+ yr Year [1] [2] [4] [5] [3] 2008 2.41 2.66 2.96 3.36 4.04 2009 0.35 1.21 2.15 2.84 3.89 2010 0.60 1.48 2.21 2.88 3.66 2011 0.92 1.38 1.85 2.47 3.21 2012 0.98 1.12 1.30 1.63 2.33 0.97 1.12 1.48 1.99 2.72 2013 2014 0.91 1.05 1.38 1.87 2.60 2015 0.50 0.53 0.66 1.19 2.02 2016 0.58 0.68 1.02 1.80 0.50 2017 0.71 1.10 1.31 1.61 2.18 5-yr avg 2008-2012 1.05 1.57 2.09 2.64 3.43 0.72 0.88 2.26 2013-2017 1.10 1.54 5-yr std dev 2008-2012 0.80 0.63 0.60 0.65 0.69 2013-2017 0.22 0.29 0.40 0.42 0.39

Above from the Canadian Institute of Actuary

Report on Canadian Economic Statistics, 1924-2017, Table 4A

<b>Current Risk Free Yield</b>	ds (basis points)				wgt	ed avg
4/30/2018	1.20	1.88	2.12	2.30	2.45	1.94
weights:	9.0%	51.0%	28.0%	10.0%	2.0%	
avg maturity:	3.2 years	(weig	thted based on clain	ns payment patterns)		
	578	3,197	1,769	654	64	6,262

BoC at 2018-04-30 http://www.bankofcanada.ca/rates/interest-rates

Selected Gross Yield:	2.95%
<b>Investment Expenses (rounded):</b>	0.15%
Selected Net Yield:	2.80%

Exh F-1 Page 13 of 16

jurisdiction (short form): NL Exh F-2 major rating class: PUB Page 14 of 16

Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi
Project ID: NL-2018Q2-TX

Exh F-2

#### Present Value Factors - Claim Amounts - Facility Association

Discount Rate 2.80%

Accident Yea	ar Estimated	Payment Pa	ttern by Dev	elopment Ag	ge	Val Market:	FARM		Val Jurisdiction:	NL	Val Bu	siness Segment:	non-PPV			as at:	Dec 31 201
Development Age	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	Present Val Factor
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]
	Emergence Model Output	=[5]	=[1]	Emergence Model Output	Emergence Model Output	=[9]	=[8]	Emergence Model Output	=(1+[dsct rate])^{-1' ([dev'l age] 6)/12}								
12	2.0%	61.2%	100.0%	10.2%	19.8%	19.8%	2.0%	94.3%	87.0%	87.0%	94.3%	100.0%	100.0%	100.0%	100.0%	100.0%	0.986
24	15.7%	34.3%	-	18.4%	37.7%	37.7%	15.7%	8.5%	13.0%	13.0%	8.5%	-	-	-	-	-	0.95
36	28.4%	2.8%	-	24.7%	18.4%	18.4%	28.4%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.93
48	24.9%	0.4%	-	21.4%	9.9%	9.9%	24.9%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.90
60	13.9%	0.4%	-	12.0%	4.5%	4.5%	13.9%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.88
72	6.6%	0.4%	-	5.7%	7.3%	7.3%	6.6%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.85
84	4.6%	0.4%	-	4.0%	2.4%	2.4%	4.6%	-	-	-	-	-	-	-	-	-	0.83
96	1.9%	0.1%	-	1.7%	-	-	1.9%	-	-	-	-	-	-	-	-	-	0.81
108	0.4%	-	-	0.3%	-	-	0.4%	-	-	-	-	-	-	-	-	-	0.79
120	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.76
132	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.74
144	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.72
156	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.70
168	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.68
180	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.67
192	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.65
204	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.63
216	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.61
228	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.60
240	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.58
252	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.56
264	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.55
276	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.53
288	0.2%	-	-	0.2%	-	-	0.2%	-	-	-	-	-	-	-	-	-	0.52
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

minor rating class: TX

rating type: all

jurisdiction (short form): NL Exh F-2 major rating class: PUB Page 15 of 16

Jurisidiction: Newfoundland & Labrador Vehicle Type: Taxi Project ID: NL-2018Q2-TX

Exh F-2

### Present Value Factors - Claim Amounts - Facility Association

Discount Rate 2.80%

Policy Year Estimated Payment Pattern by Development Age

Development Age	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	Present Valu Factor
7.60	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34]
	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	=(1+[dsct rate])^{-1*
	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	([dev'l age] 6)/12}
12	0.6%	30.4%	50.0%	4.8%	9.7%	9.7%	0.6%	47.2%	43.5%	43.5%	47.2%	50.0%	50.0%	50.0%	50.0%	50.0%	0.986
24	8.9%	47.8%	50.0%	14.3%	28.8%	28.8%	8.9%	51.4%	50.0%	50.0%	51.4%	50.0%	50.0%		50.0%	50.0%	0.959
36	22.1%	18.6%	-	21.6%	28.1%	28.1%	22.1%	3.9%	6.5%	6.5%	3.9%	-	-	-	-	-	0.933
48	26.7%	1.6%		23.1%	14.2%	14.2%	26.7%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.907
60	19.4%	0.4%	-	16.7%	7.2%	7.2%	19.4%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.883
72	10.3%	0.4%	-	8.9%	5.9%	5.9%	10.3%	(0.7%)	-		(0.7%)	-	-		-	-	0.859
84	5.6%	0.4%	-	4.9%	4.9%	4.9%	5.6%	(0.4%)	-	-	(0.4%)	-	-	-	-	-	0.835
96	3.3%	0.3%	-	2.9%	1.2%	1.2%	3.3%	-	-	-	-	-	-	-	-	-	0.812
108	1.2%	0.1%	-	1.0%	-	-	1.2%	-	-	-	-	-	-	-	-	-	0.790
120	0.3%	-	-	0.2%	-	-	0.3%	-	-	-	-	-	-	-	-	-	0.769
132	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.748
144	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.727
156	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.708
168	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.688
180	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.670
192	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.651
204	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.634
216	0.1%	-	-	0.1%	-	-	0.1%	-	-			-	-		-	-	0.616
228	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.600
240	0.1%	-	-	0.1%	-	-	0.1%	-	-			-	-		-	-	0.583
252	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.567
264	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.552
276	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.537
288	0.2%	-	-	0.2%	-	-	0.2%	-	-	-	-	-	-	-	-	-	0.522
300	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.508
TOTAL	99.9%	100.0%	100.0%	99.9%	100.0%	100.0%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
V factor	0.8950	0.9601	0.9729	0.9036	0.9281	0.9281	0.8950	0.9732	0.9694	0.9694	0.9732	0.9729	0.9729	0.9729	0.9729	0.9729	

minor rating class: TX

rating type: all

jurisdiction (short form): NL major rating class: PUB minor rating class: TX

rating type: all

Exh G-1 Page 16 of 16

Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi Project ID: NL-2018Q2-TX

Exh G-1

#### **Development of Present Value Factors - Premium and Expense**

#### Assuming 2.80% Annual Rate of Return

_	<u>-</u>				
	_		Percentage of Premium		•
		Nominal [A]	Discount Factor [B]	Discounted [C]	
		[A]	[6]	=[A]*[B]	
Revenue	Describes	400.00	0.0053	00.63	4.00 hand a the street being
[1] [2]	Premium Finance Fee	100.00	0.9963 0.9963	99.63	assumed collection delay, in mths:  1.60 based on the premium lag analysis n/a
[3]	Total Revenue	100.00	0.9963		=[1]+[2]
[5]	Total nevenue	100.00		99.03	-[4] [4]
	mmission Ratios				
[4]	estimated @ current rates	6.00	0.9963		Exh G-2 row [3]
[5]	at indicated target rate change	6.00	0.9963	5.98	- okay verifies commission ratio correct with Exh G-2 row [3]
[6]	at indicated rate change & alternative target	6.00	0.9963	5.98	- okay verifies commission ratio correct with Exh G-2 row [3]
[7]	at proposed rates	6.00	0.9963	5.98	- okay verifies commission ratio correct with Exh G-2 row [3]
Premium Va	riable Expenses, premium tax and S.C. non-claims fees				
[8]	Premium tax	5.00	0.9963	4.98	PwC Insurance Industry Key tax rates and updates (2017-09)
[9]	Servicing carrier operating cost	3.60	0.9963	3.59	OW question 2c
[10]	Servicing carrier fees	-	0.9963	-	OW question 2c
[11]	Premium finance admin expenses	-	0.9963	-	n/a
[12]	GISA Levy (% of ALL COVERAGES premium)	0.06	0.9963	0.06	=[33]
[13]	Rate Regulatory Levy (where it is % of ALL COVERAGES	0.12	0.9963		=[36]
	premium)				
[14]	Health Levy (where it is % of ALL COVERAGES premium)	0.70	0.9963		as applicable
[15]	Total Premium Variable Expenses, premium tax and S.C. non- claims fees, other than TPL	8.78		8.75	=sum of rows [8] thru [14]
	dams rees, other than The				
[16]	Health Levy (where it is % of TPL ONLY)		0.9963		as applicable
[17]	Total Premium Variable Expenses, premium tax and S.C. non-	8.78		8.75	=[15]+[16]
	claims fees, TPL ONLY				
Premium Va	riable Expenses, Servicing Carrier Initial Claims Fee				
[18]	Servicing carrier claims fee reimbursement ratio	10.00	0.9725	9.73	Plan of Operation; discount rate based on earned premium flows: avg earned mth: 1
Fixed Expen	se				
[19]	Misc. Income/Expenses	_	0.9963	_	per FA finance
[20]	Central Office	1.80	0.9963		Exh G-2 row [7] NLTX2017
[21]	Total Fixed Expense (used directly for other than TPL)	1.80	0.9903		=[19]+[20]
	, , , , , , , , , , , , , , , , , , , ,				
[22]	TPL Written Exposures	560			Exh C-2 row [17]
[23]	On-level TPL Written Premium (\$1s)	3,507,336			Exh C-2 row [29]
[24]	Driver Record Abstracts	110.96			Driver Record Abstracts Analysis
[25]	Driver Record Abstracts Cost (total in \$s)	62,091			=[22]*[24]
[26]	Driver Record Abstracts as % of premium	1.77	0.9963	1.76	=100*[25]/[23]
[27]					Health Constant Applied for NC and delay CO.F.C.
[27]	Health Levy per earned vehicle	-			Health Care Levy Analysis, for NS need plus \$0.5 fire Dept. levy
[28]	Health Levy Cost (total in \$s)	-	2 2252		=[22]*[27]
[29]	Health Levy (where it is per vehicle), as % of premium  Total Fixed Expense (used directly for TPL ONLY)	3.57	0.9963		=100*[28]/[23] =[21]+[26]+[29]
[50]	Total Fined Expense (used directly for the Otter)	3.37		3.33	[ [62].[60].[62]
	GISA and Rate Regulator Levies				
[31]	GISA Cost	10,544,977			Total Expense from the GISA 2015 Annual Directors Report
[32]	Industry Annual Written Premium (\$1,000s)	18,470,695			2016 Industry AU11 AIX (all vehs combined)
[33]	GISA Levy as % of premium	0.06	0.9963	0.06	=100*[31]/[32]
[34]	Rate Regulator Annual Industry Levy Cost (total in \$s)	525,623			NLPUB 2016 Annual Report
[35]	Industry Annual Written Premium (\$1,000s)	429,044			2016 Industry AU11 AIX (all vehs combined)
[36]	Rate Regulator Levy as % of premium	0.12	0.9963	0.12	=100*[34]/[35]
()	-0	UILE	2.2200	5.12	

Exh C-1 Page 1 of 16

Facility Association Residual Market (FARM) experience 2008 2013 Jurisidiction: Newfoundland & Labrador accident yr 2009 2014 20.0% 20.0% Vehicle Type: Taxi weights 2010 2015 Project ID: NL-2018Q2-TX 2011 2016 20.0% used in Exh C-1 2017 20.0% indications 2012

Jun 1 2019 jurisdiction (short form): NL major rating class: PUB dcst rate: minor rating class: TX 2.80% rating type: all

RN eff date:

20.0%

type: Reg. Benchmark market: INDUSTRY rating class: CV as at: 30-Jun-17

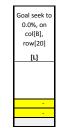
Trend Basis

Derivation of Indicated Change in Overall Rate Lev	
	vel

[\$1s] unless otherwise indicated  Facility Association Exposures & Premium  [1] FA Written Exposures, Rolling 12  [2] FA Written Premium, Rolling 12  [3] FA Average Written Premium, Rolling 12  [4] FA Written Premium, Rolling 12  [5] FA Average Written Premium, Rolling 12, \$5  [6] FA Written Premium @ Current Rates, Projected to Future Period  [7] FA Written Premium @ Current Rates, Projected to Future Period, \$5  [8] FA Average Written Premium @ Current Rates, Projected to Future Period, \$5  [9] Premium distribution @ current rates  [10] Updated Projected Loss Ratio (indemnity only, nominal) @ Current Rates  [17] Updated Projected Loss Ratio (indemnity only, nominal), prior analysis  [18] FA projected sultimate loss ratio (indemnity only, nominal), prior analysis  [19] FA projected Uses Ratio (indemnity only, nominal)  [10] Credibility-Weighted Projected Loss Ratio (indemnity only, nominal)  [10] Credibility-Weighted Projected Loss Ratio (indemnity only, nominal)  [10] Credibility-Weighted Projected Loss Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)  [10] Projected Loss Ratio (indemnity & Ratio (indemnity only, nominal)	Third Party Liability  560 2,867,154 5,124 3,528,029 6,305 87.23% 79.8%	Bodily Injury	Property Damage		TPL (indivisible)  560 2,867,154 5,124 3,528,029 6,305 87.23%	Accident Benefits 439 194,368 443 231,446 527	Uninsured Automobile 557 94,324 169 137,819 247	Underinsured Motorist	95 75,780 794 79,754	118 40,053 339 40,573	159 27,207 171 27,103	All Perils	560 3,298,886 5,895
FA Written Exposures, Rolling 12	5600 2,867,154 5,124 3,528,029 6,305 87.23%	-	-	- - -	560 2,867,154 5,124 3,528,029 6,305	439 194,368 443 231,446 527	557 94,324 169 137,819	- - -	75,780 794 79,754	40,053 339 40,573	27,207 171 27,103	-	3,298,886 5,895
[2] FA Written Premium, Rolling 12 [3] FA Average Written Premium, Rolling 12, 5s [4] FA Written Premium @ Current Rates, Projected to Future Period [5] FA Written Premium @ Current Rates, Projected to Future Period, 5s [6] Premium distribution @ current Rates, Projected to Future Period, 5s [6] Premium distribution @ current rates [7] Updated Projected Loss Ratio (indemnity only, nominal) @ Current Rates [7] Updated Projected loss ratio (indemnity only, nominal) prior analysis [8] Projected Loss Ratio (indemnity only, nominal) prior analysis [9] Exh C-2, row [14] [9] FA projected ultimate loss ratio (indemnity only, nominal) [9] FA projected Loss Ratio (indemnity only, nominal) [9] FA experience credibility [10] Credibility-weighted projected Loss Ratio (indemnity only, nominal) [10] Credibility-weighted projected Loss Ratio (indemnity only, nominal) [10] Credibility-weighted projected Loss Ratio (indemnity only, nominal) [11] [12] [13]	2,867,154 5,124 3,528,029 6,305 87.23% 79.8%	-	-	- - -	2,867,154 5,124 3,528,029 6,305	194,368 443 231,446 527	94,324 169 137,819	- - -	75,780 794 79,754	40,053 339 40,573	27,207 171 27,103	-	3,298,886 5,895
[2] FA Written Premium, Rolling 12 [3] FA Average Written Premium, Rolling 12, \$s Exh C-2, row [20] [4] FA Written Premium @ Current Rates, Projected to Future Period Exh C-2, row [34] [5] FA Average Written Premium @ Current Rates, Projected to Future Period, \$s Exh C-2, row [35] [6] Premium distribution @ Current Rates, Projected to Future Period, \$s Exh C-2, row [35] [6] Premium distribution @ Current Rates ([4] by coverage)/[4] total)  Updated Projected Loss Ratio (indemnity only, nominal) @ Current Rates [7] Updated Projected Joss Ratio (indemnity only, nominal), projected Loss Ratio (indemnity only, nominal), projected Loss Ratio (indemnity only, nominal)  Projected Loss Ratio (indemnity only, nominal) Exh D-1, col [17]  Credibility-Weighted Projected Loss Ratio (indemnity only, nominal) [9] FA experience credibility [10] Exh D-1, col [8] [11] Exh D-1, col [8]	5,124 3,528,029 6,305 87.23%	-	-	- - -	5,124 3,528,029 6,305	231,446 527	94,324 169 137,819		75,780 794 79,754	339 40,573	171 27,103	-	5,895
[4] FA Written Premium @ Current Rates, Projected to Future Period	3,528,029 6,305 87.23% <b>79.8%</b>	-	-	-	3,528,029 6,305	231,446 527	137,819		79,754	40,573	27,103	-	
[4] FA Written Premium © Current Rates, Projected to Future Period, \$\$ Exh C-2, row [34] [5] FA Avg Written Premium @ Current Rates, Projected to Future Period, \$\$ Exh C-2, row [35] [6] Premium distribution @ current rates ((4) by coverage)/(4) total)  Updated Projected Loss Ratio (indemnity only, nominal) @ Current Rates  [7] Updated projected Loss Ratio (indemnity only, nominal) prior analysis	6,305 87.23% <b>79.8%</b>	-	-	-	6,305	527		-				-	4.044.724
[5] FA Avg Written Premium @ Current Rates, Projected to Future Period, \$s	87.23% 79.8%			-	-,		247						4,044,724
Updated Projected Loss Ratio (indemnity only, nominal) @ Current Rates  [7] Updated projected loss ratio (indemnity only, nominal) prior analysis  Exh C-2, row [14]  Projected Loss Ratio (indemnity only, nominal) based on FA experience  [8] FA projected utilimate loss ratio (indemnity only, nominal)  Credibility-Weighted Projected Loss Ratio (indemnity only, nominal)  [9] FA experience credibility  [10] Credibility-weighted projected Loss Ratio (indemnity only, nominal)  [11] Exh E-1, col [8]	79.8%			-	87.23%			- 1	836	343	171	-	7,228
[7] Updated projected loss ratio (indemnity only, nominal), prior analysis  Projected Loss Ratio (indemnity only, nominal) based on FA experience  [8] FA projected ultimate loss ratio (indemnity only, nominal)  Credibility-Weighted Projected Loss Ratio (indemnity only, nominal)  [9] FA experience credibility  [10] Credibility-weighted projected Loss Ratio (indemnity only, nominal)  [10] Credibility-weighted projected Loss Ratio (indemnity only, nominal)  [11] Credibility-weighted projected Loss Ratio (indemnity only, nominal)  [12] Credibility-weighted projected Loss Ratio (indemnity only, nominal)		79.8%	79.8%			5.72%	3.41%	-	1.97%	1.00%	0.67%	-	100.00%
Projected Loss Ratio (indemnity only, nominal) based on FA experience  [8] FA projected ultimate loss ratio (indemnity only, nominal)  [9] FA experience credibility  [9] FA experience credibility  [10] Credibility-weighted projected Loss Ratio (indemnity only, nominal)		79.8%	79.8%										
[8] FA projected ultimate loss ratio (indemnity only, nominal)  Credibility-Weighted Projected Loss Ratio (indemnity only, nominal)  [9] FA experience credibility  [10] Credibility-weighted projected Loss Ratio (indemnity only, nominal)  [10] Credibility-weighted projected Loss Ratio (indemnity only, nominal)  [10]	75.3%			79.8%	79.8%	90.9%	94.2%	-	60.5%	66.5%	71.6%	69.3%	80.4%
Credibility-Weighted Projected Loss Ratio (indemnity only, nominal)  [9] FA experience credibility  [10] Exh E-1, col [8]  [10] Credibility-weighted projected Loss Ratio (indeminty only, nominal)  [10] = [8]*[9]+[7]*(1-[9])	75.3%												
[9] FA experience credibility  Exh E-1, col [8]  [10] Credibility-weighted projected Loss Ratio (indeminty only, nominal) =[8]*[9]+[7]*(1-[9])		75.3%	75.3%	75.3%	75.3%	113.5%	162.5%	-	107.3%	87.6%	40.2%	37.4%	81.0%
[10] Credibility-weighted projected Loss Ratio (indeminty only, nominal) =[8]*[9]+[7]*(1-[9])													1
[]		49.6%	49.6%	49.6%	49.6%	31.3%	11.6%	-	25.1%	17.2%	8.0%	5.3%	1
Projected Loss Ratio (indemnity & excess legal, discounted @ 2,80%)	77.6%	77.6%	77.6%	77.6%	77.6%	98.0%	102.1%	-	72.2%	70.1%	69.1%	67.6%	79.4%
. rojected 2000 natio (machinity & excess regal) discounited & 2.00/0/													1
[11] Loss discount factor Exh F-2 (re-wghted)	0.9036	0.9036	0.9036	0.9036	0.9036	0.9281	0.9281	0.8950	0.9732	0.9694	0.9694	0.9732	0.9083
[12] Credibility-weighted projected loss ratio (indemnity only, discounted) =[10]*[11]	70.1%	70.1%	70.1%	70.1%	70.1%	91.0%	94.8%	-	70.3%	68.0%	67.0%	65.8%	72.1%
[13] excess legal as % indemnity see note 3 below	1.9%	1.9%	1.9%	1.9%	1.9%	-							1.6%
[14] Cred-wght'd projected loss ratio (indemnity & excess legal, discounted) =[12]*(1+[13])	71.4%	71.4%	71.4%	71.4%	71.4%	91.0%	94.8%	-	70.3%	68.0%	67.0%	65.8%	73.2%
Discounted Revenue, Expenses and Capital Costs													1
[15] Revenue discount factor Exh G-1, col[C], row[3]	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963	0.9963
[16] Total discounted fixed expenses, as % of current on-level premium Exh G-1, col[C], row[30] for TPL, oth		2.550/	2.550/	2.550/	2.550/	4.700/	4.700/	4.700/	1 700/	4.700/	4.700/	4.700/	2 220/
row[21] [17] Discounted effective commission ratio (based on Indicated rate level change)  Exh G-1, col[C], row[5]	3.55% 5.98%	3.55% 5.98%	3.55% 5.98%	3.55% 5.98%	3.55% 5.98%	1.79% 5.98%	1.79% 5.98%	1.79%	1.79%	1.79%	1.79% 5.98%	1. <b>79%</b> 5.98%	3.33% 5.98%
		3.96%	3.96%	3.96%	3.96%	3.96%	3.96%	5.98%	5.98%	5.98%	3.96%	3.96%	5.96%
[18] Total discounted variable expenses prem tax, S.C. non-claims fees, as % of premium  Exh G-1, col[C], row[17] for TPL, oth row[15]	15.13%	15.13%	15.13%	15.13%	15.13%	15.13%	15.13%	15.13%	15.13%	15.13%	15.13%	15.13%	15.13%
[19] Discounted variable S.C. initial claims fee, as % of premium Exh G-1, col[C], row[18]	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%	9.73%
[20] Retroactive claims fee adjustment (discounted), as % of premium @ target rate goal seek to 0 on col [L], row [41]	(0.32%	(0.32%)	(0.32%)	(0.32%)	(0.32%)	(0.32%)	(0.32%)	(0.32%)	(0.32%)	(0.32%)	(0.32%)	(0.32%)	(0.32%)
[21] Target Return on Premium (i.e. pre-tax return from underwriting, including associated investment income, as % of premium) Exh H-1, row[15]	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%	7.17%
Rate Indications	7.1770	7.1770	7.1770	7.1770	7.1770	7.1770	7.1770	7.1770	7.1770	7.1770	7.1770	7.17/0	7.1770
[22] Indicated target rate change (12.0% ROE, leverage 2.0) =([14]+[16])/([15]-[17]-[18]-[19]-[20	0]-[21])-1 21.0%	21.0%	21.0%	21.0%	21.0%	49.8%	55.9%	-	16.4%	12.7%	11.1%	9.1%	23.6%
[23] Avg WP @ Indicated target rate change (12.0% ROE, leverage 2.0) =[5]*(1+[22])	7,629	-	-	-	7,629	789	385	-	973	387	190	-	8,934
[24] AWP dollar change for Indicated target rate change (12.0% ROE, leverage 2.0) =[23]-[5]	1,324	_	_	_	1,324	262	138	_	137	44	19	-	1,706
[25] nominal indemnity LR for Indicated target rate change (12.0% ROE, leverage 2.0) =[10]/(1+[22])	64.1%	64.1%	64.1%	64.1%	64.1%	65.4%	65.5%	_	62.0%	62.2%	62.2%	62.0%	64.2%
[26] nominal excess legal LR for Indicated target rate change (12.0% ROE, leverage 2.0) =[13]*[25]	1.2%	1.2%	1.2%	1.2%	1.2%			-				-	1.0%
[27] discounted commission as % of premium, based on alternative target Exh G-1, col[C], row[6]	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%	5.98%
[28] Retroactive claims fee adjustment (discounted), based on alternative target goal seek to 0 on col [L], row [42]	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%
[29] Alternative basis Return on Premium (i.e. pre-tax return from underwriting, including associated													1
investment income, as % of premium) Exh H-1, row[21]	-	-	-	-	-	-	-	-	-	-	-	-	-
[30] Alternative rate change basis (0.0% Cost of Capital, leverage 1.83) =([14]+[16])/([15]-[27]-[18]-[19]-[28		9.5%	9.5%	9.5%	9.5%	35.6%	41.1%	-	5.3%	2.0%	0.5%	(1.3%)	11.9%
[31] Avg WP @ Alternative rate change basis (0.0% Cost of Capital, leverage 1.83) =[5]*(1+[30])	6,904	-	-	-	6,904	715	349	-	880	350	172	-	8,088
[32] AWP dollar change for Alternative rate change basis (0.0% Cost of Capital, leverage 1.83) =[31]-[5]	599	70.00	- 70.00	70.00	599	188	102	-	60.60	7	1 1		860
[33] nominal indemnity LR for Alternative rate change basis (0.0% Cost of Capital, leverage 1.83) =[10]/(1+[30])	70.9%	70.9%	70.9%	70.9%	70.9%	72.3%	72.4%	-	68.6%	68.7%	68.8%	68.5%	71.0%
[34] nominal excess legal LR for Alternative rate change basis (0.0% Cost of Capital, leverage 1.83) =[13]*[33]	1.3%	1.3%	1.3%	1.3%	1.3%	-	-	-	-		-	-	1.1%
[35] Rate change selected by FA Alternative rate change basis (0.0% Capital, leverage 1.83), capped at +,													1
coverage	10.5%	10.5%	10.5%	10.5%	10.5%	7.1%	15.2%		5.9%	(0.1%)	(6.2%)		10.2%
[36] Avg WP @ Rate change selected by FA =[5]*(1+[35])	6,967	-	-	-	6,967	564	285	-	885	343	160	-	7,965
[37] AWP dollar change for Rate change selected by FA =[36]-[5]	662	-	-	-	662	37	38	-	49	(0)	(11)	-	737
[38] Annualized Prem chg for Rate change selected by FA =[4]*[35]	370,443	-	-	-	370,443	16,433	20,948	-	4,705	(41)	(1,680)	-	410,808
[39] nominal indemnity LR for Rate change selected by FA =[10]/(1+[35])	70.2%	70.2%	70.2%	70.2%	70.2%	91.5%	88.6%	-	68.2%	70.2%	73.7%	67.6%	72.1%
[40] nominal excess legal LR for Rate change selected by FA =[13]*[39]	1.3%	1.3%	1.3%	1.3%	1.3%	-			-	-		-	1.2%

2008 2013 20.0% RN eff date: Facility Association Residual Market (FARM) experience Trend Basis type: Reg. Benchmark Jurisidiction: Newfoundland & Labrador accident yr 2009 2014 20.0% Jun 1 2019 jurisdiction (short form): NL 20.0% Vehicle Type: Taxi weights 2010 2015 major rating class: PUB market: INDUSTRY Project ID: NL-2018Q2-TX used in 2011 2016 20.0% dcst rate: minor rating class: TX rating class: CV Exh C-1 2017 20.0% indications 2012 2.80% rating type: all as at: 30-Jun-17

Retroactive cl	aims fee adjustment	72 month LR	reimburse- ment rate LR	claims expense fee % @ reimburse- ment rate LR	minimum claims expense fee ratio	maximum claims expense fee ratio	base claims expense fee ratio	unadjusted experience claims expense fee ratio	experience claims expense fee ratio (post min/max)	Retroactive Adjustment	discount by 1 yr	discounted retroactive adjustment
		[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[1]	[1]	[K]
	[72-month IBNR as % ultimate] calculated from Exh D-1: 0.0%	(see note 1)	Accounting & Statistical Manual (see note 2)	Statistical	Statistical	Statistical	Accounting & Statistical Manual (see note 2)	={co [F],	=row[41]:col [H] s.t. max / min, cols [D] & [E]	=[H]-[C]	=1/(1+disc rate)	=[1]*[J]
[41]	Retroactive claims fee adjustment at 12.0% ROE	64.2%	67.5%	10.0%	9.0%	16.0%	3.3%	9.67%	9.67%	(0.33%)	0.9728	(0.32%)
[42]	Retroactive claims fee adjustment at Alternative Target	71.0%	67.5%	10.0%	9.0%	16.0%	3.3%	10.35%	10.35%	0.35%	0.9728	0.34%
[43]	Retroactive claims fee adjustment on Selected Rate Change	72.1%	67.5%	10.0%	9.0%	16.0%	3.3%	10.46%	10.46%	0.46%	0.9728	0.45%



Exh C-1

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#### Notes:

- 1 [72mth LR] = Recorded Claims Ratio @ 72 months = Ultimate LR\*(1-[72-month IBNR as % ultimate])
- 2 (See also Bulletin "All-Canada SC2004-02" issued on Jan. 7, 2004)

3 excess legal as percent of TPL indemnity is AA Report = [ratio as % of total coverages EP] x [latest yr total coverages EP] / [latest yr TPL expected indemnity] where ratio to EP from excess legal exhibit, and latest yr EP and TPL expected indemnity from a priori exhibit

			TPL				
AA Report (FY2017)	Exh B.12.1		Exh B.8.6.1		Projected EP		Exh B.5.10.1
	pg 1 selected - cat I		prov, year		Adjustment		pg 1, col [5]
	excess ratio % total EP		AA R all coverage EP		AA R all coverage EP		AA R TPL expected indemnity
1.9% =	= 1.22%		7,327,181	×	1.000	/	4,791,000

rate level factor exhibit

Vehicle Type: Taxi Project ID: NL-2018Q2-TX

Exh C-2

Derivation of Loss Ratios Underlying Current (i.e. "Expiring") Rates

Ba	sis: last submitted rate filing	Formulae	Third Party Liability	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Accident Benefits	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	TOTAL
[1]	Distribution Used	Exh C-3 (option 1), row [6]	87.55%	_	-	_	87.55%	6.58%	2.97%	-	1.20%	0.88%	0.79%	0.04%	100.01%
[2]	Projected ultimate loss ratio (nominal), prior to rate adjustment	Exh C-3 (option 1), row [10]	93.4%	93.40%	93.40%	93.40%	93.40%	88.00%	110.70%	_	61.30%	59.70%	63.10%	60.80%	92.6%
[3]	FA Written Rate Level Factor as at 2017-09-30	Exh C-2, row [4], last submitted rate filing		2,7954	2.7954	2,7954	2.7954	11.8323	16.5092	1.0000	0.1964	0.2712	0.4683	0.221	
[4]	FA Written Rate Level Factor as at 2019-06-01	current rate level		3.3265	3.3265	3.3265	3.3265	13.6072	23.1459	1.0000	0.1935	0.2494		0.212	
[5]	Estimated impact of subsequent rate changes	=[4]/[3]-1	19.0%	19.0%	19.0%	19.0%	19.0%	15.0%	40.2%	-	(1.5%)	(8.0%		(4.1%)	18.6%
[6]	HST Adjustment factors for changes not considered in prior analysis in its										(,	(	, (2 220,	` '	
	projection to average accident date	as needed		1.0053	1.0177	1.0177	1.0084	1.0142	1.0177	1.0177	1.0177	1.0177	1.0177	1.018	
[7]	loss ratio (nominal) at current rates	=[2]*[6])/(1+[5])	79.1%	78.9%	79.9%	79.9%	79.1%	77.6%	80.4%	-	63.3%	66.0%	71.0%	64.5%	78.7%
[8]	Modeled loss cost projected to average accident date, prior analysis	Exh D-5a		-	-	-	365.32	18.58	5.31	0.76	141.01	119.25	37.46	138.48	
[9]	Modeled loss cost projected to average accident date, current analysis	Exh D-5a		-	-	-	369.85	21.76	6.22	0.76	141.01	127.28	39.98	147.80	
[10]	indemnity projection factor between average accident date underlying current rates and future average accident date	=[9]/[8]	1.0120	1.0124	1.0124	1.0124	1.0124	1.1712	1.1714	1.0000	1.0000	1.0673	1.0673	1.0673	1.0280
[11]	annualized indemnity change	=[10]^(365/Exh B-1, row [4])-1	0.7%	0.7%	0.7%	0.7%	0.7%	10.0%	10.0%	_	-	4.0%	4.0%	4.0%	1.7%
[12]	annualized premium trend factor	1+Exh D-4a, Total Drift	1.0020	1.0020	1.0020	1.0020	1.0020	1.0000	1.0000	1.0000	1.0279	1.0348		0.9960	1.0030
[13]	premium trend period in days (change in avg written date between rate programs)	Exh B-1, row [2]	609	609	609	609	609	609	609	609	609	609		609	609
[14]	projected indemnity loss ratio (nominal) at current rates	=[7]*[10]/{[12]^([13] /365)}	79.8%	79.6%	80.6%	80.6%	79.8%	90.9%	94.2%	-	60.5%	66.5%		69.3%	80.5%

Most Current 12-Months Exposure and Premium														
(\$1s) unless otherwise indicated	Formulae	Third Party Liability	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Accident Benefits	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	TOTAL
FA Written Exposures, Rolling 12	FA AIX as at: Dec 3	1 2017												
[15]	20171	323	-	-	-	323	254	321	-	54	61	103	-	323
[16]	20172	236	-	-	-	236	186	236	-	41	58	56	-	236
[17]	TOTAL	560	-	=	-	560	439	557	-	95	118	159	-	560
FA Written Premium, Rolling 12	FA AIX as at: Dec 3	1 2017												
[18]	20171	1,637,960	-	-	-	1,637,960	110,038	52,324	-	44,526	21,348	17,713	-	1,883,909
[19]	20172	1,229,194	-	-	-	1,229,194	84,330	42,000	-	31,254	18,705	9,494	-	1,414,977
[20]	TOTAL	2,867,154	-	-	-	2,867,154	194,368	94,324	-	75,780	40,053	27,207	-	3,298,886
FA Average Written Premium, Rolling 12, \$s														
[21]	20171	5,065	-	-	-	5,065	434	163	-	822	353	172	-	5,825
[22]	20172	5,205	-	=	-	5,205	454	178	-	758	324	170	-	5,991
[23]	TOTAL	5,124	-	-	-	5,124	443	169	-	794	339	171	-	5,895

Most Current 12-Months Expos	sure and Premium Adjusted to Current Rat	e Level													
(\$1s) unless otherwise indicat	ted												2/:	3 CL, 1/3 CM	
FA Written Rate Level Factors															
[24]	20171			2.6114	2.6114	2.6114	2.6649	11.1352	15.3429	1.0000	0.2013	0.2728	0.4702	0.2250	
[25]	20172			2.7954	2.7954	2.7954	2.7954	11.8323	16.5092	1.0000	0.1964	0.2712	0.4683	0.2210	
[26]	FA Written Rate Level Factor as at 2019-06-01	=[4]		3.3265	3.3265	3.3265	3.3265	13.6072	23.1459	1.0000	0.1935	0.2494	0.4233	0.2120	
FA Written Premium @ Current Rates, I	Rolling 12														
[27]	20171	=[18]*[26]/[24]	2,044,607	-	-	-	2,044,607	134,466	78,935	-	42,801	19,517	15,946	-	2,336,272
[28]	20172	=[19]*[26]/[25]	1,462,729	-	-	-	1,462,729	96,980	58,884	-	30,793	17,201	8,582	-	1,675,169
[29]	TOTAL		3,507,336	-	-	-	3,507,336	231,446	137,819	-	73,594	36,718	24,528	-	4,011,441
FA Average Written Premium @ Curren	nt Rates, Rolling 12, \$s														
[30]	20171		6,322	-	-	-	6,322	530	246	-	790	323	155	-	7,224
[31]	20172		6,194	-	-	-	6,194	523	249	-	746	298	153	-	7,093
[32]	TOTAL		6,268	-	=	-	6,268	527	247	-	771	311	154	-	7,169

Most Curren	at 12-Months Exposure and Premium @ Current Rate Level, Pro	iected to Futu	re Avg Writte	n Premium											
	unless otherwise indicated	,													
[33]	Premium Trend Factors to 01-Dec-2019	AY 2017		1.0059	1.0059	1.0000	1.0059	1.0000	1.0000	1.0000	1.0837	1.1050	1.1050	0.9884	
[34]	FA Written Premium @ Current Rates, Projected to Future Period	=[29]*[33]	3,528,029	-	-	-	3,528,029	231,446	137,819	-	79,754	40,573	27,103	-	4,044,724
[35]	FA Avg Written Premium @ Current Rates, Projected to Future Period, \$s	=[34]/[17]	6,305	-	-	-	6,305	527	247	-	836	343	171	-	7,228

Exh C-2

Page 3 of 16

jurisdiction (short form): NL

major rating class: PUB

rating type: all

minor rating class: TX

Exh D-1

Control   Cont												_						ly)	mnity Onl	(Inde	ss Ratio (I	ovincial Lo	ed Pro	ce Projected	xperien	FA Exp
Concessed   Architect   Extract   Architect   Extract   Architect   Extract   Extrac	vel	mnity On-	ate Indemnit	mate	Ultim			evel	On-Le	Premium O	Earned					nce	perie	FA Exp					<u> </u>	31-Dec-2017	as at:	
Courting   Ar	nes Cos	her	Other	10	Catastronho			On-Level		Rating	rned	7										Farned				
Control   Cont									r-		mium	ss f	Ultimate I											ΔΥ	/erage	Cover
Clast						(%)	Load (%)		t				Costs	Ratio	Indemnity	ent Factor	me	Indemnity	Premium	ım	Premium			***	reruge	COVC
Color	deter	15 (70)	20003 (70		2000 (70)					Factor	l Factor	Le											1,0			
TOTAL  TOTAL  2008  728  729  14.12.656  1.94  1.94  1.94  1.94  1.95  1																				)			_  -			
FAME   FAME   FAME   TAME			[14]		[13]	J	[12]	[11]		[10]	[9]		[8]	[7]	[6]	[5]		[4]	[3]		[2]	[1]				
TOTAL   TOTA																tuk D.a										
TOTAL  2008  2009  706  715  1411-458  5.008  726  727  728  728  729  729  729  720  720  720  720  720			input		input	ıt	input	[2]*[9]*[10]	=[	Exh D-4a	D-3a		=[6]/[1	=[6]/[2]	=[4]*[5]			FA AIX	=[2]/[1]	Х	FA AIX	FA AIX				
TOTAL																ection c.	3									
2006 725 1412.456 1.948 2.388.731 2.388.731 19.3 12.388.731 19.3 19.3 12.388.731 19.3 19.3 12.388.731 19.3 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12	30 (712																									TOTAL
2010 780 1,586,401 2,000 1,986,401 2,000 3,189,247 8,192,247 2,201,47,76 2,201								4,903,149				0	3,294	169.1%	2,388,733		3	2,388,733	1,948	,456	1,412,45	725		2008		
2011 979 1,187,985 2,033 3,449,476 1,494,776 20.1% 4,470.29 1,440.79 1,240.20 1,240.								5,233,777				0	3,298	166.2%	2,520,358		8	2,520,358	1,985	,679	1,516,67	764		2009		
2012 816 1474159 2.054 4.978.091 2.910 5.977.94 5.74.935 5.95.358 5.748.935 5.975.980 2.014 2.015 2.014 2.015 2.014 2.015 2.014 2.015 2.014 2.015 2.014 2.015 2.01								5,365,419				2	4,092	203.9%	3,192,247		7	3,192,247	2,007	,401	1,565,40	780		2010		
2013 882 187181 2180 3170.609 3173119 170 9W 3774.39 5.584.338 3.559.166 2014 820 2,394.53 1,200 3.559.166 220 2,394.53 1,200 3.559.166 2016 795 2,489.565 3.606.39 3.555.522 3.906.99 16.55 4.595.60 5.581.507 4.481.466 2016 795 2,489.565 5.581.507 4.481.466 2.2015 795 2,489.565 5.581.507 4.481.466 2.2015 795 2,277.29 3.778 3.2017.277 3.2017								5,486,921				3	4,407	220.1%	3,494,776		6	3,494,776	2,003	,985	1,587,98	793		2011		
2014   280   2,344,638   2,920   3,386,916   3,406,801   14.23%   4,154,65   5,806,679   3,272,311   2,006   732   2,727,609   3,726   3,669,958   4,657,001   148.7%   5,542,35   5,541,570   3,464,466   1,772   7,776,75   7,777																										
2015 755 2.138,665 3.069 3.876 1.529,499 1.61.5% 4.956.60 5.581,567 3.42.51.00 4.253,158 4.253,1												_											_ L			
2016   732   2,777,009   3,726   3,567,958   4,567,001   146.7%   5,542.85   5,161,770   7,001,702.7%   7,001,703.83,152   2,641   33,172,739   35,566,033   176.3%   4,660.05   5,562.362   4,435.207   4,058.395   7,001,702.83   7																										
Total/Wid Aleg   Total   Tot																							_			
Total/Wistary   Total   Tota																										
The Party Liability   Table								7 7									-	-,:,:		,	-,,-		_  -			
Sum of   2008   725   1,301,390   1,795   2,230,303   2,230,393   17,496   3,076,288   4,483,405   2,446,226   17,146,127   17,147   17,								33,023,302				-	4,000	170.5%	33,630,033		9	33,172,729	2,043	,332	20,333,33	7,094	g.			Third Da
BJPD(DPC) 2009 764 1,391,046 1,821 2,283,000 1,641% 2,988.22								4 422 405				0	2 076	171 /19/	2 220 202		2	2 220 202	1 705	200	1 201 20	725				
TPL (indivis)   2010   780																										
Total   Tota																										
Contemporary   Cont												_													1011137	2 (
Max of   2013   852   1,686,983   1,880   2,861,495   2,261,495   169,666   3,585,56   1,286,149   1																									oposure.	(for expo
Discription   2015   795   2,223,971   2,797   3,443,609   3,46,296   157,28   4,387,86   4,383,089   3,364,400   3,264,201   2,275,201																										
Text   Control   Text								5,134,711				8	3,594	134.9%	2,947,312		8	2,951,148	2,665	,608	2,185,60	820		2014	,DCPD},	{BI,PD,D
Total/Wid Avg.   Fig.								4,933,089				6	4,397	157.2%	3,496,296		9	3,443,609	2,797	,971	2,223,97	795		2015		plus
Total/Wtd Avg.   7,694												8	4,770	143.7%					3,320					2016	ndivis))	TPL (indi
Bodily Injury  BI 2008 1.0000 3.3265 1.0241 - 1.0000 - 1.0000 - 2.010 1.0000 3.3265 1.0221 - 1.0000 - 2.011 1.0000 3.3265 1.0221 - 1.0000 - 2.012 - 1.0000 - 2.012 - 1.0000 3.3265 1.0180 - 1.0000 - 2.013 1.0000 3.3265 1.0189 - 1.0000 - 2.015 1.0000 - 1.0085 2.1564 1.0099 - 1.0000 - 2.017 Total/Wid Ays.  Property Damage  PD 2008 1.0000 3.3265 1.0241 - 1.0059 - 1.0000 - 2.016 - 1.0000 3.3265 1.0200 - 1.0000 - 2.017 - 1.0000 3.3265 1.0241 - 3.3265 1.															, , , , , , , ,			_,000,000					_  _			
BI 2008 1.0000 3.3265 1.0241 1.0000 2010 1.0000 3.3265 1.0221 1.0000 3.3265 1.0200 1.0000 3.3265 1.0200 1.0000 3.3265 1.0200 1.0000 3.3265 1.0200 1.0000								47,956,844				5	4,127	172.6%	31,758,936		0	29,607,720	2,392	,630	18,401,63	7,694	g.	otal/Wtd Avg.		
2009 1.0000 3.3265 1.0221 - 1.0000 2.011 1.0000 1.0000 3.3265 1.0180 1.0000 2.012 1.0000 3.3265 1.0180 1.0000 2.012 1.0000 3.3265 1.0180 1.0000 2.013 1.0000 3.3265 1.0180 1.0000 2.013 1.0000 3.3265 1.0199 1.0000 2.014 1.0000 1.0185 2.1964 1.0099 1.0000 2.016 1.1328 1.8655 1.0079 1.0000 2.017 1.9309 1.9309																									Injury	
2010   -   -   1.0000   -   -   3.3265   1.0200   -   1.0000   -		-			-	-	-							-	-					-	-	-				BI
2011     -   1,0000       3,3265   1,0180   -     1,0000   -     2,012   -   -   1,0000   -     1,0000   -     2,013   -   -   1,0000   -     1,0000   -     2,014   -   -   -   1,0000   -     2,014   -   -   -   1,0000   -     2,015   -   -   -   1,01185   -   -     2,016   -   -   -   1,1328   -   -     1,8635   1,0079   -   -   1,0000   -     2,016   -   -   -   1,3328   -   -     1,3899   1,0059   -   -   1,0000   -     2,016   -   -   -   1,0000   -     2,016   -   -   -   1,0000   -     -     2,016   -   -   -   1,0000   -   -     3,3265   1,021   -   -   -   1,3422   -     -     2,016   -   -   -   1,0000   -   -   -   3,3265   1,021   -   -   -   1,3422   -     -     2,016   -   -   -   1,0000   -   -   -   3,3265   1,0189   -   -   -   1,2462   -     -     2,016   -   -   -   1,0000   -   -   -   3,3265   1,0189   -   -   -   1,2159   -     -     2,015   -   -   -   1,0000   -   -   -   3,3265   1,0199   -   -   -   1,1572   -     2,015   -   -   -   1,0000   -   -   -   3,3265   1,0199   -   -   -   1,1572   -     2,015   -   -   -   1,0000   -   -   -   1,0000   -   -   2,1964   1,0099   -   -   -   1,1014   -     -     1,1074   -     2,017   -   -   -   1,1366   -   -     1,1366   -   -     1,1366   -   -     1,1366   -		-			-	-	-	-						-	-				-	-	-	-	- 1			
2012 1.0000 3.3265 1.0159 1.0000 1.0000 2.015 1.0000 1.0		-			-	-	-	-						-	-				-	-	-	-				
2013		- 1																								
2014     - 0.9985     2.3510   1.0119   -   1.0000   -   1.0000     1.0000     1.0000     1.0000   -   1.0000     1.0000     1.0000   -   1.0000   -   1.0000   -   1.0000   -   1.0000   -   1.0000   -   1.0000   -     1.0000   -   1.0000   -   1.0000   -   1.0000   -   1.0000		_			_	_	_																			
2015		-			-	-	_							-	-				-	-	-	-				
2016		-			-	-	-								-			-	-	-		-				
Total/Wtd Avg.     1.9309   1.3899   1.0059   -   1.0000 -		-			-	-	-	-						-	-			-	-	-	-	-				
Property Damage  PD 2008 1,0000 3,3265 1,0241 1,3422 1,0000 1,3422 1,0000 1,3265 1,0221 1,3093 1,2774 1,2774 1,2774 1,2774 1,2774	1.00	-			-	-	-	-	59	1.0059	1.3899			-	-	1.9309		-	-	-	-	-		2017		
PD 2008 1,0000 3,3365 1,0241 - 1,3422 - 2009 1,0000 3,3265 1,0221 1,3093 - 2010 1,0000 3,3265 1,0220 1,2774 - 2011 1,0000 3,3265 1,0180 1,2462 - 2012 1,0000 3,3265 1,0180 1,2462 - 2013 1,0000 3,3265 1,0189 1,2159 - 2013 1,0000 2,3510 1,0119 1,1572 - 2015 1,0000 2,3510 1,0119 1,1572 - 2015 1,0000 1,0000 2,1964 1,0099 1,1290 - 2016 1,1306 1,1389 1,0059 1,0059 1,0745 1,0745								-						-	-			-	-	-	-	-	g.	otal/Wtd Avg.	T	
2009 1.0000 3.3265 1.0221 1.3093 - 1.0000 1.0000 1.2774 - 1.2																								ge	rty Damag	Property
2010 1.0000 3.3265 1.0200 1.2774 - 2011 1.0000 3.3265 1.0180 1.2462 - 2012 1.0000 3.3265 1.0180 1.2462 - 2013 1.0000 3.3265 1.0159 1.2159 - 2013 1.0000 3.1881 1.0139 1.1861 - 2014 1.0000 2.3510 1.0119 1.1572 - 2015 1.0000 2.1648 1.0099 1.1290 - 2016 1.0340 1.3365 1.0079 1.1014 - 2017 1.1316 1.3899 1.0059 1.0745 1.0745 1.0745 1.0745		-			-	-	-	-						-	-			-	-	-	-	-				PD
2011 1.0000 3.3265 1.0180 1.2462 - 2012 1.0000 3.3265 1.0180 1.2462 - 2013 1.0000 3.3265 1.0159 1.2159 1.2159 1.1861 - 2014 1.0000 2.3510 1.0119 1.1861 2015 1.0000 2.3510 1.0119 1.1572 1.1200 1.1200 1.1200 1.1200 1.1306 1.3899 1.0059 1.0745 1.0745 1.0745		-			-	-	-							-	-			-	-	-	-	-	_ L			
2012 1.0000 3.3265 1.0159 1.2159 - 2013 1.0000 3.3881 1.0139 1.1861 - 2014 1.0000 2.3510 1.0119 1.1572 - 2015 1.0000 1.0000 1.18635 1.0079 1.1290 - 2016 1.0340 1.8635 1.0079 1.1014 - 2017 1.1306 1.1306 1.3899 1.0059 1.0745 1.0745		-			-	-	-							-	-			-	-	-	-	-				
2013 1.0000 3.1881 1.0139 1.1861 - 2014 1.0000 2.3510 1.0119 1.1572 - 2015 1.0000 2.1964 1.0099 1.1290 - 2016 1.0340 1.3863 1.0079 1.1014 - 2017 1.1306 1.1306 1.3899 1.0059 1.0745 1.0745 1.0745 1.0745					-	-	-							-	-								_			
2014 1.0000 2.3510 1.0119 1.1572 - 2015 1.0000 2.1964 1.0099 1.1290 - 1.1290 - 1.0000 1.1306 1.1365 1.0079 1.1014 - 1.1306 1.13899 1.0059 1.0745 - 1.0745 - 1.0745 1.0745 1.0745 1.0745 1.0745 1.0745 1.0745 1.0745					-	-	-							-	-											
2015     -     -     -     1.0000     -     -     -     2.1964     1.0099     -     -     -     1.1290     -       2016     -     -     -     1.8635     1.0079     -     -     -     1.1014     -       2017     -     -     -     1.3899     1.0059     -     -     -     1.0745     -					-	-	-							-	-				-	-	-		- 1			
2016     -     -     -     1.8635     1.0079     -     -     -     1.1014     -       2017     -     -     -     1.3899     1.0059     -     -     -     1.0745     -					-	-	-							-	-					-	-					
2017 1.1306 1.3899 1.0059 1.0745 -		-			-	-	_								-					-	-	-				
		_													-					-						
	1.07								,,	1.0033	1.3033			-	<u>:</u>	1.1300			-	-		-	g.		Т	
DCPD							-					- I											<u> </u>			DCPD

Project ID: NL-2018Q2-TX Exh D-1

2014 820 2,185,608 2,665 2,951,148 0,9987 2,947,312 134,9% 3,594,28 2,3217 1,0119 5,134,711 0,0540 1,0432 3,059,263 1,0452 3,	FA Experier	nce Projected	Provincial Los	ss Ratio (Ind	demnity On	ly)														
Contract   Free	as at:	31-Dec-2017				FA Expe	erience				Earne	d Premium O	n-Level		Ultima	ate Indemnity O	n-Level			
Control   Property   Control   Property   Control   Property   P		<u>.</u>	Farned										On-Level		Catastronhe	Other	Loss Cost	Trended	Trended	
Column   C	Coverage	AY																		
Change   C			1	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs				Load (%)						Year Weight
			(15)	(¢1e)	(¢1c)	(¢1c)		(¢1c)		(¢1c)	Level Factor	Factor	(¢1c)					(¢1c)		
PAME   PAME   PAME   12  1    PAME   EAD 2.   16  12    16  12							[5]		[7]		[0]	[10]		[12]	[12]	[14]	[15]		[17]	[10]
Property			[1]	[2]	[5]	[4]	[5]	[o]	[7]	[o]	[5]	[10]	[11]	[12]	[15]	[14]			[17]	[10]
Color							Fxh D-2.													
Color   Colo			FA AIX	FA AIX	=[2]/[1]	FA AIX		=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input			=[16]/[11]	input
2009																		4])*[15]		
2019	DCPD	2008	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.3422	-	-	-
2011		2009	-	-	-	-	1.0000	-	-	-	3.3265	1.0000	-	-	-	-	1.3093	-	-	-
2012   -   -     1,000   -   -     1,376   1,000   -     1,125   -   2,200     2,200			-	-	-	-		-	-	-			-	-	-	-		-	-	-
2013 1,0000 3,1881 1,0000 - 1,1891 - 2,200 2014 0,9987 2,200 2015 1,1192 1,1193 1,200 1,1192 2,000 2018 1,1196 1,200 1,1192 2,000 2018 1,1196 1,1196 1,1196 2,200 2019 1,1196 1,1196 1,1196 2,200 2019			-	-	-	-		-	-	-				-	-	-		-	-	-
2014			-	-	-	-		-	-	-				-	-	-			-	-
2016			-	-	-	-		-	-	-				-	-	-			-	
2016   1.004   1.005   1.005   1.006   1.007			-	-	-	-		-	-	-				-	-	-			-	
Total			-	-		-		-		-				-	-	-			-	
Total/Wild Args   Total   To			-	-		-		-		-				-	-	-			-	
The (Includes)			-			-	1.7455				1.5699	1.0000		-	-	-	1.0743			
TPL (inclived)   2008   725   1.101.390   1.759   2.230.503   1.0000   2.283.003   1.00000   2.283.003   1.00000   2.283.003   1.0000											_								_	100.070
2009 764 1.391,066 1.821 2.283,000 1.0000 2.283,000 1.0000 3.064,392 3.0000 3.064,392 3.0000 3.064,392 3.0000 3.064,392 3.0000 3.064,392 3.0000 3.064,392 3.00000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.0000 3.00000 3.0000 3.000000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.000000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.00000 3.000000 3.000000 3.000000 3.000000 3.000000 3.000000 3.00000000			725	1.301.390	1.795	2,230,303	1.0000	2.230.303	171.4%	3.076.28	3,3265	1.0241	4.433.405	_	-	(0.5%)	1.0843	2,406,226	54.3%	-
2010   780   1.430,390   1.884   3,054,392   1.000   3,054,392   215,576   3,915.89   3,915.89   2011   793   1.462,525   1.884   3,054,392   1.000   3,055,344   2.09.69   3,815.89   3,3265   1.000   4,853,356   1.000   4,85														_	-					-
2011														-	-					-
2012 816 1,532,990 1,879 4,269,417 1,000 2,861,495 1,0676 3,356,55 2,076,62 2 3,326 1,019 5,180,573 - 0,05% 1,05% 2,076,02 1 55,86 2,00   2014 820 2,185,508 2,665 2,951,148 0,997 2,247,312 134,994 3,954,248 2,119 5,134,711 - 0,05% 1,05% 2,090,66 1 0,05% 1,05% 2,091,148 2,099,7 2,079 795 2,223,771 2,779 3,445,609 1,103 3,465,69 1,103 3														-	-					-
2014   520   2,185,608   2,665   2,551,148   0,987   2,947,312   134,974   34,978,66   13,042   2,194   1,099   4,931,089   - 0,594   1,0432   3,059,628   5,964   20,000   2,016   2,021,72   2,400,50   3,220   3,221,91   2,190   3,243,009   3,2		2012	816	1,532,990	1,879	4,249,417	1.0000	4,249,417	277.2%	5,207.62	3.3265	1.0159	5,180,573	-	-	(0.5%)	1.0572		86.3%	-
2015 795 2,223,971 2,797 3,444,509 1,0153 3,496,296 157,276 4,397,86 2,1964 1,0099 4,933,089 - 10,591 1,0361 3,604,400 73,114 20,00   2017 617 2,756,850 4,468 2,338,453 1,743 4,078,836 118,006 6,610,76 13,748 1,0059 3,812,479    Total/WidAys, 7,694 18,401,630 2,392 29,607,720 31,758,936 172,66 141,775    Accident Benefits sum of 2008   ME.DI.D.B. 2009 553 22,379 42 100,912 10,912 10,912 433,556 182,48   ME.DI.D.B. 2009 553 22,379 42 100,912 10,912 10,912 433,556 182,48   ME.D.D.B. 2010 682 22,808 40 92,124 996,124 396,912 10,912 10,912 433,556 182,91   2012 693 23,85 40 519,877,158,977 2,406,86 133,036 182,48   2013 2014 692 23,85 40 519,877 519,877 2,406,86 135,036 447,676 19,867 19,87		2013	852	1,686,983	1,980	2,861,495	1.0000	2,861,495	169.6%	3,358.56	3.1347	1.0139	5,361,691	-	-	(0.5%)	1.0502	2,990,116	55.8%	20.0%
2016   732   2,480,050   3,320   3,129,159   1,116   3,492,141   143,7%   4,770,68   1,864   1,0079   4,565,887   1,016   4,165,939   10,938   1,938   2,000		2014		2,185,608	2,665	2,951,148	0.9987	2,947,312	134.9%	3,594.28	2.3217	1.0119	5,134,711	-	-	(0.5%)	1.0432	3,059,263	59.6%	20.0%
Total/Wid Avg   Total/Wid Av														-	-					20.0%
Total/Wrid Avg.  Total/														-	-	(0.3%)				20.0%
Accident Recents							1.7435				1.3748	1.0059		-	-		1.0216			
Sum of   2008   519   22,140   43   120,873			7,694	18,401,630	2,392	29,607,720		31,758,936	172.6%	4,127.75			47,956,844					33,229,099	75.3%	100.0%
MEDIDB, 2009 FESU: 2010 ACCBER (indivis) 2011 ACCBER (indivis) 2012 ACCBER (indivis) 201			F10	22 140	42	120 072		120 972	E4E 09/	222.00			201 262					277 214	125 20/	
FE.SU, 2010 AccBen (Indivis 2011 611 24,277 40 240,888 240,88 292,2% 394,25 2013 639 25,365 40 519,517 519,517 2,046,6% 813.02 345,419 2013 693 30,167 44 132,466 135,036 447,6% 194,86 360,426 2215,331 72,6% 20,000 2015 675 55,530 82 258,274 281,002 560,6% 416,30 2017 481 171,827 357 99,425 280,806 163,4% 583,80 240,88 496,00 296,618 2017 481 171,827 357 99,425 280,806 163,4% 583,80 240,88 40,600 296,618 2017 481 171,827 357 99,425 280,806 163,4% 583,80 240,88 40,600 296,618 2016 2016 2016 2016 2016 2016 2016 2016																				
AccBen (indivis 2011   611   24,277   40   240,888   240,888   240,888   292,2%   394,25   330,342   1,64,079   1,64,079   2013   693   25,385   40   519,517   519,517   519,517   2,046,6%   813,02   345,419   1,64,079   320,5%   261,531   72,6%   20,0%   2014   682   491,00   72   116,896   135,518   276,0%   198,71   356,329   238,602   238,602   67,0%   20,0%   2016   2016   608   105,303   173   212,192   301,567   286,4%   496,00   298,618   438,327   146,8%   20,0%   20,0%   105,40%   20,0%																				
2012 639 25,385 40 515,517 519,517 2,046,6% 813,02 2014 682 49,100 72 116,896 135,518 276,0% 198,71 356,229 2015 675 55,530 82 258,274 281,002 506,0% 416,30 340,332 449,776 132,2% 20,0% 2017 481 171,827 357 99,425 280,806 163,4% 583,80 248,634 370,552 149,0% 20,0% 2018 2008 4 43 - 1,000 13,6072 1,000 2010 40 - 1,0000 13,6072 1,000 2011 40 - 1,0000 13,6072 1,000 2012 40 - 1,000 13,6072 1,000 2012 40 - 1,000 13,6072 1,000 2012 40 - 1,000 13,6072 1,000 2013 44 - 1,0194 13,6072 1,000 2013 44 - 1,0194 13,6072 1,000 2016 40 - 1,000 13,6072 1,000																				
2013 693 30,167 44 132,466 135,036 447,6% 194,86 2014 682 49,100 72 116,996 135,18 276,0% 198,71 356,329 238,602 67,0% 20,0% 2																				-
2014 682 49,100 72 116,896 135,518 276.0% 198.71 2015 665 55,530 82 258,274 281,002 506.0% 416.30 340,332 449,776 2016 608 105,303 173 212,192 301,567 286.4% 496.00 298,618 438,327 146.8% 20.0% 2017 481 171,827 357 99,425 280,806 163.4% 583.80 248,634 370,552 149.0% 20.0% 2016 2008 2008 2009 2009 2009 2009 2009 2009		2013	693		44															20.0%
2016 608 105,303 173 212,192 301,567 286.4% 496.00 298,618 248,634 370,552 146.8% 20.0% 248,634 370,552 280,806 163.4% 583.80 248,634 370,552 32,000 4 331,400 20.0% 248,634 370,552 32,000 4 331,400 20.0% 248,634 370,552 32,000 4 331,400 20.0% 248,634 370,552 32,000 4 331,400 20.0% 248,634 370,552 32,000 4 331,400 20.0% 248,634 370,552 32,000 4 331,400 20.0% 248,634 370,552 32,000 4 331,400 20.0% 248,634 370,552 32,000 4 331,400 20.0% 248,634 370,552 32,000 4 331,400 20.0% 248,634 370,552 32,000 4 331,400 20.0% 249,634 370,552 32,000 4 32		2014	682		72	116,896							356,329							20.0%
Total/Wtd Avg.   Tota		2015	675	55,530	82	258,274		281,002	506.0%	416.30			340,332					449,776	132.2%	20.0%
Total/Wtd Avg. 6,043 530,216 88 1,893,567 2,208,243 416.5% 365.42  Medical Expenses  ME 2008 43 - 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000 13.6072 1.0000																				20.0%
Medical Expenses  ME 2008 - 43 - 1.0000 13.6072 1.0000 13.6072 1.0000																				20.0%
ME 2008			6,043	530,216	88	1,893,567		2,208,243	416.5%	365.42			3,213,921					4,331,490	113.5%	100.0%
2009																				
2010	ME		-	-		-		-	-	-			-	-	-	- 1		-	-	-
2011			-	-				-	-	-				-	-	- 1		-	-	-
2012 - 40 - 1.0000 13.6072 1.0000 2.00% 2013 - 44 - 1.0194 11.9477 1.0000 20.0% 2014 - 72 - 1.1593 7.2572 1.0000 20.0% 2015 - 82 - 1.0880 6.128 1.0000 20.0% 2016 - 173 - 1.4212 2.8358 1.0000 20.0% 2017 - 357 - 2.8243 1.4470 1.0000 20.0%  Total/Wtd Avg 933			-	-				-	-	-				-	-	- 1		-	-	-
2013 44 - 1.0194 11.9477 1.0000 20.0% 2014 72 - 1.1593 7.2572 1.0000 20.0% 2015 - 82 - 1.0880 6.1288 1.0000 20.0% 2016 - 173 - 1.4212 2.8358 1.0000 20.0% 2017 357 - 2.8243 1.4470 1.0000 20.0%  Total/Wtd Avg 933									-						-	1				-
2014 - 72 - 1.1593 7.2572 1.0000 2.015 - 82 - 1.0880 6.1288 1.0000 2.00%									-						_					20.0%
2015 - 82 - 1.0880 6.1288 1.0000 20.0% - 2016 - 173 - 1.4212 2.8358 1.0000 20.0%			_	-		_		-	-						-					20.0%
2016 - 173 - 1.4212 2.8358 1.0000 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0% 20.0%			-			-			-					_	-					20.0%
2017   357   - 2.8243     1.4470   1.0000   -     - 20.0%								-						_	-					20.0%
Total/Wtd Avg.         -         933         -         -         -         100.0%           Disability Income                 100.0%			-	-		-		-	-				-	-	-			-	-	20.0%
Disability Income			-	-		-		-	-	-			-					-	-	100.0%
	DI	2008	-	-	43	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-

rating type: all

Project ID: NL-2018Q2-TX

Exh D-1

	ce Projected	Provincial Los	ss Ratio (In	demnity Onl															
as at:	31-Dec-2017				FA Exp	erience					d Premium Or	n-Level		Ultima	ate Indemnity O	n-Level			
		Earned								Earned	Rating	On-Level	1	Catastrophe	Other	Loss Cost	Trended	Trended	
Coverage	AY	Exposure	Earned	Avg Earned	Recorded	Loss Develop-	Ultimate		Ultimate Loss	Premium	Character-	Earned	Large Loss	Adjustment	Adjustments /	Projection	Ultimate	Ultimate Loss	Accident
		(excl trailers)	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On-	istic Drift	Premium	Load (%)	Load (%)	Loads (%)	Factor	Losses	Ratio	Year Weight
		(1-)	(\$1s)	(61-)	(¢1-)		(¢1-)		(61-)	Level Factor	Factor	(61-)					(\$1s)		
		(1s)		(\$1s)	(\$1s)	[F]	(\$1s)	[2]	(\$1s)	[O]	[10]	(\$1s)	[42]	[12]	[4.4]	[45]		[47]	[10]
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15] Regulatory	[16]	[17]	[18]
						Exh D-2,										Benchmark	=[6]*(1+[12])*		
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Section C.	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Trends (Exh	(1+[13])*(1+[1	=[16]/[11]	input
						Section C.										D-5b (ALT))	4])*[15]		
	2009	_		42	_	1.0000				13.6072	1.0000		_			D-30 (ALI))	-	_	
	2010			40	_	1.0000		_		13.6072	1.0000			_				_	
	2011	_	_	40	_	1.0000		_		13.6072	1.0000		_	_				_	
	2012	_		40	_	1.0000	_	-	-	13.6072	1.0000		_	_			-	_	-
	2013	-	_	44	_	1.0194		-	-	11.9477	1.0000	-	_	_			-	-	20.0%
	2014	_	_	72	_	1.1593	-	-	-	7.2572	1.0000	-	_	_			-	_	20.0%
	2015	-	_	82	_	1.0880		-	-	6.1288	1.0000	-	_	_			-	-	20.0%
	2016	_	_	173	_	1.4212	-	-	-	2.8358	1.0000	-	_	_			_	_	20.0%
	2017	-	-	357	-	2.8243	-	-	-	1.4470	1.0000		-	-			-	-	20.0%
-	Total/Wtd Avg.	-	-	933	-		-	-	-			-					-	-	100.0%
Death Benefits																			
DB	2008	-	-	43	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2009	-	-	42	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2010	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2011	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2012	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-	-		-	-	-
	2013	-	-	44	-	1.0194	-	-	-	11.9477	1.0000	-	-	-			-	-	20.0%
	2014	-	-	72	-	1.1593	-	-	-	7.2572	1.0000	-	-	-			-	-	20.0%
	2015	-	-	82	-	1.0880	-	-	-	6.1288	1.0000	-	-	-			-	-	20.0%
	2016	-	-	173	-	1.4212	-	-	-	2.8358	1.0000	-	-	-			-	-	20.0%
	2017		-	357	-	2.8243	-	-	-	1.4470	1.0000	-	_	-			-	-	20.0%
	Total/Wtd Avg.	-	-	933	-		-	-	-			-					-	-	100.0%
Funeral Expens				42		4 0000				42.6072	4 0000								
FE	2008	-	-	43	-	1.0000	•	-	-	13.6072	1.0000	-	-	-			-	-	-
	2009	-	-	42	-	1.0000 1.0000	-	-	-	13.6072 13.6072	1.0000 1.0000	-	-	-	1		-	-	-
	2010 2011	-		40 40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-	1		-	-	-
	2011	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2012	_	-	40	-	1.0000	-	-	-	11.9477	1.0000	-	-	-	1		-	-	20.0%
	2013			72		1.1593		_		7.2572	1.0000	-					-		20.0%
	2014			82	_	1.0880	-	_		6.1288	1.0000	-	_	_			-		20.0%
	2016	_		173	_	1.4212		-	_	2.8358	1.0000	-		_			_		20.0%
	2017	_	_	357	_	2.8243	-	-		1.4470	1.0000	-	_	_			_	_	20.0%
	Total/Wtd Avg.	_	_	933	-		-	_	-			-					-	_	100.0%
Supp. AccBen																			
SU	2008	-	-	43	-	1.0000	-	-	-	13.6072	1.0000		-	-			-	-	-
	2009	-	_	42	_	1.0000		-	-	13.6072	1.0000	-	_	_			-	-	-
	2010	-	-	40	-	1.0000	-	-	-	13.6072	1.0000	-	-	-			-	-	-
	2011	-	-	40	-	1.0000	-	-	-	13.6072	1.0000		-	-			-	-	-
	2012	-	-	40	-	1.0000		-	-	13.6072	1.0000	-	-	-			-	-	-
	2013	-	-	44	-	1.0194	-	-	-	11.9477	1.0000	-	-	-			-	-	20.0%
	2014	-	-	72	-	1.1593	-	-	-	7.2572	1.0000	-	-	-			-	-	20.0%
	2015	-	-	82	-	1.0880		-	-	6.1288	1.0000	-	-	-			-	-	20.0%
	2016	-	-	173	-	1.4212		-	-	2.8358	1.0000	-	-	-			-	-	20.0%
	2017	-	-	357	-	2.8243	-	-	-	1.4470	1.0000	-	-	-			-	-	20.0%
	Total/Wtd Avg.	-	-	933	-		-	-	-			-					-	-	100.0%
AccBen (indivisi	ible)																		
AccBen (indivis	2008	519	22,140	43	120,873	1.0000	120,873	545.9%	232.90	13.6072	1.0000	301,263	-	-	0.2%	3.1139	377,214	125.2%	-
	2009	553	23,279	42	100,912	1.0000	100,912	433.5%	182.48	13.6072	1.0000	316,762	-	-	0.2%	2.8301	286,219	90.4%	-

rating type: all

Project ID: NL-2018Q2-TX
Exh D-1

FA Experie	ence Projected	Provincial Los	ss Ratio (Inc	demnity Onl	y)														
as a	t: 31-Dec-2017				FA Expe	erience				Earne	d Premium Or	n-Level		Ultima	ate Indemnity O	n-Level			
		Formal								Earned	Rating	0.11		C. L. J.	0.1	161	<b>*</b>	T	
6	***	Earned	Earned	Avg Earned	Recorded	Loss Develop-	Ultimate	Ultimate Loss	Ultimate Loss	Premium	Character-	On-Level	Large Loss	Catastrophe	Other	Loss Cost	Trended	Trended	Accident
Coverage	AY	Exposure	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On-	istic Drift	Earned	Load (%)	Adjustment	Adjustments /	Projection	Ultimate	Ultimate Loss	Year Weight
		(excl trailers)								Level Factor	Factor	Premium		Load (%)	Loads (%)	Factor	Losses	Ratio	
		(1s)	(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)			(\$1s)					(\$1s)		
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
																Regulatory	=[6]*(1+[12])*		
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Exh D-2,	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Benchmark	(1+[13])*(1+[1	=[16]/[11]	input
		IAAA	IAAA	-[2]/[1]	IAAA	Section C.	-[-] [3]	-[0]/[2]	-[0]/[1]	EXII D 30	EXII D 40	-[2] [3] [10]	IIIput	input	mpac	Trends (Exh	4])*[15]	-[10]/[11]	mpac
																D-5b (ALT))			
	2010	582	23,208	40	92,124	1.0000	92,124		158.29	13.6072	1.0000	315,796	-	-	0.2%	2.5728	237,538	75.2%	-
	2011	611	24,277	40	240,888	1.0000	240,888	992.2%	394.25	13.6072	1.0000	330,342	-	-	0.2%	2.3389	564,652	170.9%	-
	2012	639	25,385	40	519,517	1.0000	519,517		813.02	13.6072	1.0000	345,419	-	-	0.2%	2.1263	1,107,079	320.5%	-
	2013	693	30,167	44	132,466	1.0194	135,036		194.86	11.9477	1.0000	360,426	-	-	0.2%	1.9325	261,531	72.6%	20.0%
	2014	682	49,100	72	116,896	1.1593	135,518		198.71	7.2572	1.0000	356,329	-	-	0.2%	1.7568	238,602	67.0%	20.0%
	2015	675	55,530	82	258,274	1.0880	281,002	506.0%	416.30	6.1288	1.0000	340,332	-	-	0.2%	1.5971	449,776	132.2%	20.0%
	2016	608	105,303	173	212,192	1.4212	301,567	286.4%	496.00	2.8358	1.0000	298,618	-	-	0.1%	1.4519	438,327	146.8%	20.0%
	2017	481	171,827	357	99,425	2.8243	280,806	163.4%	583.80	1.4470	1.0000	248,634		-	-	1.3196	370,552	149.0%	20.0%
	Total/Wtd Avg.	6,043	530,216	88	1,893,567		2,208,243	416.5%	365.42			3,213,921					4,331,490	113.5%	100.0%
Uninsured Au																			
UA	2008	719	4,667	6	15,326	1.0000	15,326		21.32	23.1459	1.0000	108,022	-	-	-	3.1139	47,724	44.2%	-
	2009	758	5,162	7	102,310	1.0000	102,310		134.97	23.1459	1.0000	119,479	-	-	-	2.8301	289,548	242.3%	-
	2010	776	5,266	7	36,284	1.0000	36,284	689.0%	46.76	23.1459	1.0000	121,886	-	-	-	2.5728	93,351	76.6%	-
	2011	793	5,362	7	158,786	1.0000	158,786		200.23	23.1459	1.0000	124,108	-	-	-	2.3389	371,385	299.2%	-
	2012	816	5,532	7	37,865	1.0000	37,865		46.40	23.1459	1.0000	128,043	-	-	-	2.1263	80,512	62.9%	-
	2013	854	7,749	9	130,620	1.0000	130,620		152.95	20.0571	1.0000	155,422	-	-	-	1.9325	252,423	162.4%	20.0%
	2014	826	16,178	20	254,422	1.0200	259,510		314.18	12.2608	1.0000	198,355	-	-	-	1.7568	455,907	229.8%	20.0%
	2015	803	18,178	23	43,239	1.2644	54,671	300.8%	68.08	10.2871	1.0000	186,999	-	-	-	1.5971	87,315	46.7%	20.0%
	2016	733	39,464	54	112,472	1.3321	149,824		204.40	4.1656	1.0000	164,391	-	-	-	1.4519	217,529	132.3%	20.0%
	2017	614	80,635	131	95,054	2.8305	269,050	333.7%	438.19	1.8244	1.0000	147,110		-	-	1.3196	355,038	241.3%	20.0%
	Total/Wtd Avg.	7,692	188,193	24	986,378		1,214,246	645.2%	157.86			1,453,815					2,250,732	162.5%	100.0%
Underinsure						1.0000				4 0000	4 0000					4 0000			
UM	2008	-	-	-	-	1.0000	-	-	-	1.0000	1.0000 1.0000	-	-	-	-	1.0000 1.0000	-	-	-
	2009	-	-	-	-		-	-	-	1.0000		-	-	-	-		-	-	-
	2010	-	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	-
	2011	-	-		-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	-
	2012	-	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	-
	2013	-	-	-	-	1.0000	-	-	-	1.0000	1.0000	-	-	-	-	1.0000	-	-	20.0%
	2014	-	- (4)		-	0.9985	-	-	-	1.0000	1.0000	- (4)	-	-	-	1.0000	-	-	20.0%
	2015	- (4)	(1)		-	1.0185	-	-	-	1.0000	1.0000	(1)	-	-	-	1.0000	-	-	20.0%
	2016 2017	(1)	(24)		-	1.1328 1.9309	-	-	-	1.0000 1.0000	1.0000 1.0000	(24)	-	-	-	1.0000 1.0000	-	-	20.0%
	Total/Wtd Avg.	(1)	(28)	28		1.9309	-		<del></del>	1.0000	1.0000	(28)				1.0000			100.0%
Collision	Total/ Wtu Avg.	(1)	(28)	20								(28)						-	100.076
CL	2008	27	35,099	1,300	11,450	1.0000	11,450	32.6%	424.07	0.5065	1.3881	24,677				1.0000	11,450	46.4%	
CL	2009	21	32,294	1,538	1,870	1.0000	1,870		89.05	0.5065	1.3505	22,090	_		_	1.0000	1,870	8.5%	
	2010	28	39,255	1,402	-	1.0000	- 1,870	3.6%	-	0.5152	1.3138	26,571	-	_	-	1.0000	-	6.5%	
	2010	36	43,999	1,402	11,380	1.0000	11,380		316.11	0.5132	1.2781	32,234	-	-	-	1.0000	11,380	35.3%	-
	2011	46	57,659	1,222	4,810	1.0000	4,810		104.57	0.5828	1.2434	41,783		-	-	1.0000	4,810	11.5%	-
	2012	49	60,424	1,233	16,908	1.0000	16,908		345.06	0.5828	1.2454	42,600	_	_	_	1.0000	16,908	39.7%	20.0%
	2013	51	65,370	1,282	29,723	1.0000	29,723	45.5%	582.80	0.6100	1.1768	46,926		-	-	1.0000	29,723	63.3%	20.0%
	2014	64	69,158	1,081	93,771	1.0000	93,771	135.6%	1,465.17	0.6133	1.1708	48,560			-	1.0000	93,771	193.1%	20.0%
	2016	81	81,974	1,081	63,425	0.9895	62,759		774.80	0.6754	1.1138	61,666	-	-	-	1.0000	62,759	193.1%	20.0%
	2016	93	78,599	845	120,168	0.8802	105,772		1,137.33	0.8754	1.1138	76,336		-	-	1.0000	105,772	138.6%	20.0%
	Total/Wtd Avg.	496	563,831	1,137	353,505	0.0002	338,443	60.0%	682.34	0.0302	1.0037	423,443	-	-		1.0000	338,443	107.3%	100.0%
Comp	rotal, with Avg.	430	202,031	1,137	333,303		330,443	00.0%	002.34			423,443	_				330,443	107.3%	100.0%
CM	2008	46	16,090	350	2,086	1.0000	2,086	13.0%	45.35	0.5358	1.5033	12,960			_	1.5959	3,329	25.7%	
CIVI	2009	52	21,392	411	17,353	1.0000	17,353	81.1%	333.71	0.5358	1.4529	16,653		_		1.5343	26,625	159.9%	
	2010	62	24,008	387	2,052	1.0000	2,052		33.10	0.5547	1.4039	18,696				1.4753	3,027	16.2%	
	2010	02	27,000	507	2,002	2.0000	2,032	0.570	33.10	0.5547	2.7033	10,050				2.7733	3,027	10.270	

rating type: all

Project ID: NL-2018Q2-TX

Exh D-1

	:: 31-Dec-2017		o natio (int	aciminey Oil	FA Expe	rionco				Formo	d Premium O	n Lovel		Ultimo	te Indemnity O	n Lovel			
dS dI	31-Det-2017	-			FA EXPE	rience				Earned	Rating	III-Level	-	Oitilla	ite indeminity O	II-Level			
		Earned	Earned	Avg Earned	Recorded	Loss Develop-	Ultimate	Ultimate Loss	I Iltimata Loss	Premium	Character-	On-Level	Large Loss	Catastrophe	Other	Loss Cost	Trended	Trended	Accident
Coverage	AY	Exposure	Premium	Premium	Indemnity	ment Factor	Indemnity	Ratio	Costs	Rate On-	istic Drift	Earned	Load (%)	Adjustment	Adjustments /	Projection	Ultimate	Ultimate Loss	Year Weight
		(excl trailers)	Premium	Premium	indennity	ment ractor	indemnity	Ratio	COSIS	Level Factor	Factor	Premium	LUau (%)	Load (%)	Loads (%)	Factor	Losses	Ratio	rear weight
		(1s)	(\$1s)	(\$1s)	(\$1s)		(\$1s)		(\$1s)	Level Factor	Factor	(\$1s)					(\$1s)		
	_	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]
		1-1	1-1	(-)		1-1	1-3		(-)	1-1	()	11	()	[]	13	Regulatory		1=-1	[==]
						Exh D-2,										Benchmark	=[6]*(1+[12])*		
		FA AIX	FA AIX	=[2]/[1]	FA AIX	Section C.	=[4]*[5]	=[6]/[2]	=[6]/[1]	Exh D-3a	Exh D-4a	=[2]*[9]*[10]	input	input	input	Trends (Exh	(1+[13])*(1+[1	=[16]/[11]	input
																D-5b (ALT))	4])*[15]		
	2011	67	19,150	286	1,866	1.0000	1,866	9.7%	27.85	0.7242	1.3567	18,815	-	-	-	1.4186	2,647	14.1%	-
	2012	79	22,343	283	34,001	1.0000	34,001	152.2%	430.39	0.7632	1.3110	22,355	-	-	-	1.3640	46,377	207.5%	-
	2013	100	28,908	289	8,085	1.0000	8,085	28.0%	80.85	0.7632	1.2671	27,956	-	-	-	1.3114	10,603	37.9%	20.0%
	2014	115	33,299	290	25,924	1.0000	25,924	77.9%	225.43	0.7885	1.2243	32,146	-	-	-	1.2610	32,690	101.7%	20.0%
	2015	127	40,216	317	1,382	1.0000	1,382	3.4%	10.88	0.7707	1.1832	36,673	-	-	-	1.2125	1,676	4.6%	20.0%
	2016	124	43,938	354	45,691	1.0000	45,691	104.0%	368.48	0.7774	1.1434	39,056	-	-	-	1.1658	53,267	136.4%	20.0%
	2017	116	39,963	345	52,798	1.0498	55,427	138.7%	477.82	0.8942	1.1050			-	-	1.1209	62,128	157.3%	20.0%
	Total/Wtd Avg.	888	289,307	326	191,238		193,867	67.0%	218.32			264,797					242,369	87.6%	100.0%
Specified Peri																			
SP	2008	219	31,706	145	8,695	1.0000	8,695	27.4%	39.70	0.4647	1.5033		-	-	-	1.5959	13,876	62.6%	-
	2009	254	42,622	168	14,913	1.0000	14,913	35.0%	58.71	0.4647	1.4529		-	-	-	1.5343	22,881	79.5%	-
	2010	249	41,744	168	7,395	1.0000	7,395	17.7%	29.70	0.4835	1.4039		-	-	-	1.4753	10,910	38.5%	-
	2011	241	30,887	128	16,112	1.0000	16,112	52.2%	66.85	0.6722	1.3567	28,168	-	-	-	1.4186	22,856	81.1%	-
	2012	235	29,843	127	32,391	1.0000	32,391	108.5%	137.83	0.7250	1.3110		-	-	-	1.3640	44,181	155.8%	-
	2013	231	29,306	127	15,038	1.0000	15,038	51.3%	65.10	0.7250	1.2671		-	-	-	1.3114	19,721	73.3%	20.0%
	2014	220	27,075	123	-	1.0000	-	-	-	0.7978	1.2243		-	-	-	1.2610		-	20.0%
	2015	226	25,539	113	13,377	1.0000	13,377	52.4%	59.19	1.0312	1.1832		-	-	-	1.2125	16,220	52.1%	20.0%
	2016	206	26,263	127	5,019	1.0000	5,019	19.1%	24.36	1.0612	1.1434		-	-	-	1.1658	5,851	18.4%	20.0%
	2017	177	27,713	157	12,561	1.1574	14,538	52.5%	82.14	0.9295	1.1050	28,464		-	-	1.1209	16,296	57.3%	20.0%
	Total/Wtd Avg.	2,258	312,698	138	125,501		127,478	40.8%	56.46			280,653					172,792	40.2%	100.0%
All Perils																			
AP	2008	1	1,364	1,364	-	1.0000	-	-	-	0.5176	0.9534		-	-	-	1.5959	-	-	-
	2009	1	884	884	-	1.0000	-	-	-	0.5176	0.9572		-	-	-	1.5343	-	-	-
	2010	1	1,530	1,530	-	1.0000	-	-	-	0.5299	0.9610		-	-	-	1.4753	-	-	-
	2011	2	1,958	979	-	1.0000	-	-	-	0.6240	0.9649		-	-	-	1.4186	-	-	-
	2012	2	2,407	1,204	-	1.0000	-	-	740.60	0.6421	0.9688	, .	-	-	-	1.3640	7.054	- 02.20/	-
	2013	8	13,644	1,706	5,997	1.0000	5,997	44.0%	749.63	0.6421	0.9726		-	-	-	1.3114		92.3%	20.0%
	2014	12 6	18,003	1,500	8,823	1.0000	8,823	49.0%	735.25	0.6693	0.9766		-	-	-	1.2610	11,126	94.6%	20.0%
	2015		7,274	1,212	-	1.0000	-		-	0.6666	0.9805		-	-	-	1.2125	-	-	20.0%
	2016	-	441	441	-	1.0000	-	•	-	0.7120	0.9844	309	-	-	-	1.1658	-	-	20.0%
	2017 Total/Wtd Avg.	- 33	47,505	1,440	14.820	1.0000	14.820	31.2%	449.09	0.8953	0.9884	29,917		-	-	1.1209	18.990	37.4%	20.0% 100.0%
-	TOTAL VVIU AVE.		47,303	1,440	14,020		14,020	31.2%	449.09			29,917					10,990	37.470	100.0%

Facility Association Residual Market (FARM) Jurisidiction: Newfoundland & Labrador Vehicle Type: Taxi Project ID: NL-2018Q2-TX Exh D-2

Loss Development Factors
as at: 31-Dec-2017
A. Selected Ultimate Indemnity by Minor Coverage Type

	31-Dec-2017				0 /1												
Ac	ccident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils
		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
		2017 Q4	2017 Q4	2017 Q4		2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4 FARM	2017 Q4	2017 Q4	2017 Q4	2017 Q4
	(\$1s)	FARM	FARM	FARM	=sum([1]to[3])	FARM	FARM	FARM	FARM	FARM	FARM	FARM		FARM	FARM	FARM	FARM
		valuation	valuation	valuation		valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation	valuation
	2008	2,812,640	371,054	-	3,183,694						161,065	49,800	-	100,812	20,439	32,767	46,266
	2009	2,531,941	464,019	-	2,995,960						163,932	102,310	-	65,577	96,295	29,002	18,724
	2010	3,661,926	459,985	-	4,121,911						323,108	234,666	500,150	36,290	7,541	37,965	69,890
	2011	3,685,228	735,945	-	4,421,173						313,280	242,343	-	52,393	289,554	149,787	35,728
	2012	5,179,476	613,466		5,792,942						743,320	37,865	-	176,944	134,406	139,454	50,445
	2013	3,097,152	512,552	-	3,609,704						210,718	130,620	-	176,134	70,920	61,131	37,462
	2014	3,240,945	747,417	-	3,988,362						196,439	305,422	4,000	110,186	81,905	37,028	21,534
	2015	4,524,817	931,641	-	5,456,458						531,551	90,862	10,000	213,734	117,304	87,170	494,385
	2016	4,546,338	851,802	-	5,398,140						442,050	252,698	19,000	282,616	221,484	51,530	-
	2017	4,109,004	735,857	-	4,844,861						421,095	269,054	27,000	286,612	210,866	95,585	-

diagonal: 31-Dec-201

al:	31-Dec-2017	B. Recorded Inc	lemnity by Min	or Coverage Ty	уре												
	Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils
		[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]
	(\$1s)	2017 Q4	2017 Q4	2017 Q4	=sum([17]to	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4	2017 Q4 FARM	2017 Q4	2017 Q4	2017 Q4	2017 Q4
	(\$12)	FARM Data	FARM Data	FARM Data	[19])	FARM Data	FARM Data	FARM Data	FARM Data	FARM Data	FARM Data	FARM Data	Data	FARM Data	FARM Data	FARM Data	FARM Data
	2008	2,812,640	371,054	-	3,183,694	127,209	32,856	-	1,000	-	161,065	49,800	-	100,812	20,439	32,767	46,266
	2009	2,531,941	464,019	-	2,995,960	119,184	44,748	-	-	-	163,932	102,310	-	65,577	96,295	29,002	18,724
	2010	3,661,926	459,985	-	4,121,911	135,990	173,118	13,000	1,000	-	323,108	234,666	500,150	36,290	7,541	37,965	69,890
	2011	3,685,228	735,945	-	4,421,173	199,975	112,305	-	1,000	-	313,280	242,343	-	52,393	289,554	149,787	35,728
	2012	5,179,476	613,466	-	5,792,942	207,130	536,190	-	-	-	743,320	37,865	-	176,944	134,406	139,454	50,445
	2013	3,097,152	512,552	-	3,609,704	162,676	33,042	10,000	1,000	-	206,718	130,620	-	176,134	70,920	61,131	37,462
	2014	3,245,945	747,417	-	3,993,362	149,222	18,217	-	2,000	-	169,439	299,422	-	110,186	81,905	37,028	21,534
	2015	4,442,817	931,641	-	5,374,458	354,784	132,767	-	1,000	-	488,551	71,862	-	213,734	117,304	87,170	494,385
	2016	4,013,338	823,802	-	4,837,140	271,343	39,707	-	-	-	311,050	189,698		285,616	221,484	51,530	-
	2017	2.128.004	650.857	-	2.778.861	120.277	28.818	-	-	-	149.095	95.054	-	325.612	200.866	82.585	-

	C. Implied Loss	Development F	actor													
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils
	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]	[47]	[48]
	=if(or([5]=0,[1	=if(or([5]=0,[1	=if(or([5]=0,[1		=if(or([5]=0,[2	=if(or([5]=0,[2	=if(or([5]=0,[2	=if(or([5]=0,[2	=if(or([5]=0,[2		_:f/[27]_0 [42]	-:4/[20]-0 [22] [				
	7]=0),[36],[1]/[8	3]=0),[36],[2]/[	9]=0),[36],[3]/[	=[4]/[20]	1]=0),[42],[5]/[	2]=0),[42],[6]/[	3]=0),[42],[7]/[	4]=0),[42],[8]/	[ 5]=0),[42],[9]/[	=[10]/[26]	[11]/[27])	=if([28]=0,[33],[ 12]/[28])	=[13]/[29]	=[14]/[30]	=[15]/[31]	=[16]/[32]
	17])	18])	19])		21])	22])	23])	24])	25])		[11]/[2/])	12]/[20])				
2008	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2009	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2010	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2011	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2012	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2013	1.0000	1.0000	1.0000	1.0000	1.0194	1.0194	1.0194	1.0194	1.0194	1.0194	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2014	0.9985	1.0000	0.9987	0.9987	1.1593	1.1593	1.1593	1.1593	1.1593	1.1593	1.0200	0.9985	1.0000	1.0000	1.0000	1.0000
2015	1.0185	1.0000	1.0153	1.0153	1.0880	1.0880	1.0880	1.0880	1.0880	1.0880	1.2644	1.0185	1.0000	1.0000	1.0000	1.0000
2016	1.1328	1.0340	1.1160	1.1160	1.4212	1.4212	1.4212	1.4212	1.4212	1.4212	1.3321	1.1328	0.9895	1.0000	1.0000	1.0000
2017	1.9309	1.1306	1.7435	1.7435	2.8243	2.8243	2.8243	2.8243	2.8243	2.8243	2.8305	1.9309	0.8802	1.0498	1.1574	1.0000

type: Reg. Benchmark market: INDUSTRY rating class: CV as at: 30-Jun-17 jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all Exh D-5a Page 10 of 16

Project ID: NL-2018Q2-TX Exh D-5a

#### **Summary - Loss Cost Projection Factors**

ccident Year	Padily Inium:	Property	DCPD	TPL	AccBen	Uninsured	Underinsured	Collision	Comp	Specified	Medical	Disability	Death Benefits	Funeral	Cupp AssBa-	All Perils
	Bodily Injury	Damage		(indivisible)	(indivisible)	Automobile	Motorist		· ·	Perils	Expenses	Income		Expenses	Supp. AccBen	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b (ALT),	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b	Exh D-5b
	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	column[7]	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),	(ALT),
2000	column[1]	column[2]	column[3]	column[4]	column[5]	column[6]		column[8]	column[9]	column[10]	column[11]	column[12]	column[13]	column[14]	column[15]	column[16]
2008 2009	1.0000 1.0000	1.3422 1.3093	1.3422 1.3093	1.0843 1.0776	3.1139 2.8301	3.1139 2.8301	1.0000 1.0000	1.0000 1.0000	1.5959 1.5343	1.5959 1.5343						1.5959 1.5343
2009	1.0000	1.2774	1.2774	1.0770	2.5728	2.5728	1.0000	1.0000	1.4753	1.4753						1.4753
2011	1.0000	1.2462	1.2462	1.0641	2.3389	2.3389	1.0000	1.0000	1.4186	1.4186						1.4186
2012	1.0000	1.2159	1.2159	1.0572	2.1263	2.1263	1.0000	1.0000	1.3640	1.3640						1.3640
2013	1.0000	1.1861	1.1861	1.0502	1.9325	1.9325	1.0000	1.0000	1.3114	1.3114						1.3114
2014	1.0000	1.1572	1.1572	1.0432	1.7568	1.7568	1.0000	1.0000	1.2610	1.2610						1.2610
2015	1.0000	1.1290	1.1290	1.0361	1.5971	1.5971	1.0000	1.0000	1.2125	1.2125						1.2125
2016	1.0000	1.1014	1.1014	1.0288	1.4519	1.4519	1.0000	1.0000	1.1658	1.1658						1.1658
2017	1.0000	1.0745	1.0745	1.0216	1.3196	1.3196	1.0000	1.0000	1.1209	1.1209						1.1209
(1s)	unless otherwis  Bodily Injury	Property	DCPD	TPL	As per Exh D-5i	Uninsured	Underinsured	Collision	Comp	Specified	Medical	Disability	Death Benefits	Funeral	Supp. AccBen	All Perils
		Damage		(indivisible)	(indivisible)	Automobile	Motorist			Perils	Expenses	Income		Expenses	* *	
	[18]	[19]	[20]	[21]	[22] LC Model	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]	[33]
	LC Model	LC Model	LC Model	=sum([18] to	Output +	LC Model	LC Model	LC Model	LC Model	LC Model	LC Model	=2/3*[25] +				
	Output	Output	Output	[20])	sum([28] to [32])	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output	1/3*[26])
2008	257.02	84.08	-	341.10	6.98	2.00	0.76	141.01	79.75	25.04						92.61
2009	257.02	86.19		343.21	7.68	2.20	0.76	141.01	82.95	26.05						96.33
2010	257.02	88.34	-	345.36	8.45	2.42	0.76	141.01	86.27	27.09						100.18
2011	257.02	90.55		347.57	9.29	2.66	0.76	141.01	89.72	28.17						104.18
2012	257.02	92.81	-	349.83	10.22	2.93	0.76	141.01	93.31	29.30						108.35
2013	257.02	95.14	-	352.16	11.25	3.22	0.76	141.01	97.05	30.48						112.70
2014	257.02	97.52	-	354.54	12.38	3.54	0.76	141.01	100.93	31.70						117.20
2015	257.02	99.96	-	356.98	13.62	3.89	0.76	141.01	104.97	32.97						121.89
2016	257.02	102.46	-	359.48	14.98	4.28	0.76	141.01	109.17	34.29						126.77
2017	257.02	105.02	-	362.04	16.48	4.71	0.76	141.01	113.54	35.66	-	-	-	-	-	131.85
2018	257.02 257.02	107.64		364.66	18.13 19.94	5.18 5.70	0.76	141.01	118.08	37.09 38.58						137.12 142.61
2019 2020	257.02 257.02	110.33 113.08		367.35 370.10	21.94	6.27	0.76 0.76	141.01 141.01	122.81 127.72	40.12						142.61
		115.08		370.10	21.94	6.90	0.76	141.01	132.85	41.73						154.27
2021	257.02									41.73						

Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi

Project ID: NL-2018Q2-TX

Exh D-5b (ALT)

#### Summary - Loss Cost Projection Factors (ALTERNATIVE BASIS - CONSISTENT WITH REGULATORY BENCHMARKS)

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all

INDUSTRY Rating Class: as at: 30-Jun-2017

Loss Cost Proje	ction Factors to	29-May-2020		=(1+trend rate)^([May 29 2020]-[average AY loss date])/365)								
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils		
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]		
2008	1.0000	1.3422	1.3422	1.0843	3.1139	3.1139	1.0000	1.0000	1.5959	1.5959		
2009	1.0000	1.3093	1.3093	1.0776	2.8301	2.8301	1.0000	1.0000	1.5343	1.5343		
2010	1.0000	1.2774	1.2774	1.0709	2.5728	2.5728	1.0000	1.0000	1.4753	1.4753		
2011	1.0000	1.2462	1.2462	1.0641	2.3389	2.3389	1.0000	1.0000	1.4186	1.4186		
2012	1.0000	1.2159	1.2159	1.0572	2.1263	2.1263	1.0000	1.0000	1.3640	1.3640		
2013	1.0000	1.1861	1.1861	1.0502	1.9325	1.9325	1.0000	1.0000	1.3114	1.3114		
2014	1.0000	1.1572	1.1572	1.0432	1.7568	1.7568	1.0000	1.0000	1.2610	1.2610		
2015	1.0000	1.1290	1.1290	1.0361	1.5971	1.5971	1.0000	1.0000	1.2125	1.2125		
2016	1.0000	1.1014	1.1014	1.0288	1.4519	1.4519	1.0000	1.0000	1.1658	1.1658		
2017	1.0000	1.0745	1.0745	1.0216	1.3196	1.3196	1.0000	1.0000	1.1209	1.1209		
2018	1.0000	1.0483	1.0483	1.0142	1.1996	1.1996	1.0000	1.0000	1.0778	1.0778		
2019	1.0000	1.0227	1.0227	1.0068	1.0906	1.0906	1.0000	1.0000	1.0363	1.0363		
2020	1.0000	0.9978	0.9978	0.9993	0.9914	0.9914	1.0000	1.0000	0.9965	0.9965		
2021	1.0000	0.9734	0.9734	0.9917	0.9011	0.9011	1.0000	1.0000	0.9580	0.9580		
2022	1.0000	0.9496	0.9496	0.9841	0.8191	0.8191	1.0000	1.0000	0.9212	0.9212		
trend rate	0.00%	2.50%	2.50%		10.00%	10.00%	0.00%	0.00%	4.00%	4.00%		

Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	All Perils	TOTAL
[11]	[12]	[13]	[14]	[15]	[16]	[17]
					1.5959	0.1293
					1.5343	0.1298
					1.4753	0.1349
					1.4186	0.1384
					1.3640	0.1433
					1.3114	0.1505
					1.2610	0.1590
					1.2125	0.1677
					1.1658	0.1731
					1.1209	0.1845
					1.0778	0.1821
					1.0363	0.1797
					0.9965	0.1772
					0.9580	0.1747
					0.9212	0.1721

4.00%

Exh D-5b (ALT)

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**Estimated Loss Amount** Exh D-5b, FARM exposure x Industry Modeled loss cost uses AY 2017 from Exh D-5b as starting point

(1s)			•							
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils
	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]
	calculated	calculated	calculated	calculated	calculated	calculated	calculated from	calculated	calculated	calculated
	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b	Exh D-5b	from Exh D-5b	from Exh D-5b	from Exh D-5b
2008	257.02	84.08	-	341.10	6.98	2.00	0.76	141.01	79.75	25.04
2009	257.02	86.19	-	343.21	7.68	2.20	0.76	141.01	82.95	26.05
2010	257.02	88.34	-	345.36	8.45	2.42	0.76	141.01	86.27	27.09
2011	257.02	90.55	-	347.57	9.29	2.66	0.76	141.01	89.72	28.17
2012	257.02	92.81	-	349.83	10.22	2.93	0.76	141.01	93.31	29.30
2013	257.02	95.14	-	352.16	11.25	3.22	0.76	141.01	97.05	30.48
2014	257.02	97.52	-	354.54	12.38	3.54	0.76	141.01	100.93	31.70
2015	257.02	99.96	-	356.98	13.62	3.89	0.76	141.01	104.97	32.97
2016	257.02	102.46	-	359.48	14.98	4.28	0.76	141.01	109.17	34.29
2017	257.02	105.02	-	362.04	16.48	4.71	0.76	141.01	113.54	35.66
2018	257.02	107.64	-	364.66	18.13	5.18	0.76	141.01	118.08	37.09
2019	257.02	110.33	-	367.35	19.94	5.70	0.76	141.01	122.81	38.58
2020	257.02	113.08	-	370.10	21.94	6.27	0.76	141.01	127.72	40.12
2021	257.02	115.91	-	372.93	24.14	6.90	0.76	141.01	132.85	41.73
2022	257.02	118.82	-	375.84	26.56	7.59	0.76	141.01	138.16	43.40

Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	All Perils	TOTAL
[28]	[29]	[30]	[31]	[32]	[33]	[34]
calculated from Exh D-5b	average using FARM exposures					
					92.61	366.08
					96.33	369.26
					100.18	374.77
					104.18	380.19
					108.35	386.45
					112.70	393.36
					117.20	401.55
					121.89	410.89
					126.77	419.95
-	-	-	-	-	131.85	432.41
					137.12	438.04
					142.61	443.98
					148.31	450.22
					154.27	456.82
					160.43	463.78

#### @ projected avg accident date:

weights by AY:

prior applycic

prior arrarysis	)									
30-Sep-201	.8 257.02	108.30	-	365.32	18.58	5.31	0.76	141.01	119.25	37.46

2020

91.0%

018	257.02	108.30	-	365.32	18.58	5.31	0.76	141.01	119.25	37.46	138.48
		2012	75.20/		2010	2.4.70/					

current analysis												
29-May-2020	257.02	112.83	-	369.85	21.76	6.22	0.76	141.01	127.28	39.98	147.80	449.66

439.51

jurisdiction (short form): NL major rating class: PUB minor rating class: TX rating type: all

Exh D-5b (ALT) Page 12 of 16

Vehicle Type: Taxi Project ID: NL-2018Q2-TX Exh D-5b (ALT)

Summary - Loss Cost Projection Factors (ALTERNATIVE BASIS - CONSISTENT WITH REGULATORY BENCHMARKS)

INDUSTRY Rating Class:

as at: 30-Jun-2017

Earned Exposur	re (excl trailers)		FARM		as at:	31-Dec-2017								
Accident Year	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	Medical Expenses	Disability Income	Death Benefits	I E
	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]	[47]	
	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	EADA4 AIV -l-+-	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	F
	data	data	data	data	data	data	FARM AIX data	data	data	data	data	data	data	
2008	-	-		725	519	719	-	27	46	219	-	-	-	
2009	-	-	-	764	553	758	-	21	52	254	-	-	-	
2010	-	-	-	780	582	776	-	28	62	249	-	-	-	
2011	-	-	-	793	611	793	-	36	67	241	-	-	-	
2012	-	-	-	816	639	816	-	46	79	235	-	-	-	
2013	-	-	-	852	693	854	-	49	100	231	-	-	-	
2014	-	-	-	820	682	826	-	51	115	220	-	-	-	
2015	-	-	-	795	675	803	-	64	127	226	-	-	-	
2016	-	-	-	732	608	733	(1)	81	124	206	-	-	-	
2017	-	-	-	617	481	614	-	93	116	177	-	-	-	
2018	-	-		617	481	614	-	93	116	177	-	-	-	
2019	-	-	-	617	481	614	-	93	116	177	-	-	-	
2020	-	-	-	617	481	614	-	93	116	177	-	-	-	
2021	-	-	-	617	481	614		93	116	177	-	-	-	
2022	-	-	-	617	481	614	-	93	116	177	-	-	-	

Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	All Perils
[45]	[46]	[47]	[48]	[49]	[50]
FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX	FARM AIX
data	data	data	data	data	data
-	-	-	-	-	1
-	-	-	-	-	1
-	-	-	-	-	1
-	-	-	-	-	2
-	-	-	-	-	2
-	-	-	-	-	8
-	-	-	-	-	12
-	-	-	-	-	6
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-		-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

	Total
	[51]
	=max([1] to
	[3])+[4]
1	725
1	764
1	780
2	793
2	816
8	852
2	820
6	795
	732
	617
	617
	617
	617
	617
	617

Facility Association Residual Market (FARM)

Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi

Project ID: NL-2018Q2-TX Exh F-1

jurisdiction (short form): NL major rating class: PUB

minor rating class: TX rating type: all

# Interest Rate Selection for Discount and Cost of Capital Calculations Based on Canadian Treasury and Canada Bonds Yields

		Н	listorical Yields		
Year	91-day	1-3 yr	3-5 yr	5-10 yr	10+ yr
	[1]	[2]	[3]	[4]	[5]
2008	2.41	2.66	2.96	3.36	4.04
2009	0.35	1.21	2.15	2.84	3.89
2010	0.60	1.48	2.21	2.88	3.66
2011	0.92	1.38	1.85	2.47	3.21
2012	0.98	1.12	1.30	1.63	2.33
2013	0.97	1.12	1.48	1.99	2.72
2014	0.91	1.05	1.38	1.87	2.60
2015	0.50	0.53	0.66	1.19	2.02
2016	0.50	0.58	0.68	1.02	1.80
2017	0.71	1.10	1.31	1.61	2.18
5-yr avg					
2008-2012	1.05	1.57	2.09	2.64	3.43
2013-2017	0.72	0.88	1.10	1.54	2.26
5-yr std dev					
2008-2012	0.80	0.63	0.60	0.65	0.69
2013-2017	0.22	0.29	0.40	0.42	0.39

Above from the Canadian Institute of Actuary

Report on Canadian Economic Statistics, 1924-2017, Table 4A

<b>Current Risk Free Yield</b>	ds (basis points)				wgt	ed avg
4/30/2018	1.20	1.88	2.12	2.30	2.45	1.94
weights:	9.0%	51.0%	28.0%	10.0%	2.0%	
avg maturity:	3.2 years	(weig	ghted based on clain			
	578	3,197	1,769	654	64	6,262

BoC at 2018-04-30 http://www.bankofcanada.ca/rates/interest-rates

Selected Gross Yield: 2.95%
Investment Expenses (rounded): 0.15%
Selected Net Yield: 2.80%

Exh F-1 Page 13 of 16

jurisdiction (short form): NL Exh F-2 major rating class: PUB Page 14 of 16

Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi

Exh F-2

Project ID: NL-2018Q2-TX

Present Value Factors - Claim Amounts - Facility Association

Discount Rate 2.80%

Accident Yea	ccident Year Estimated Payment Pattern by Development Age				ge	Val Market: FARM Val Jurisdiction: NL					Val Business Segment: non-PPV				as at:		: Dec 31 201
Development Age	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	Present Val Factor
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]
	Emergence Model Output	Emergence Model Output	Emergence Model Output	Emergence Model Output	Emergence Model Output	=[5]	=[1]	Emergence Model Output	Emergence Model Output	=[9]	=[8]	Emergence Model Output	=(1+[dsct rate])^{-1' ([dev'l age] 6)/12}				
12	2.0%	61.2%	100.0%	10.2%	19.8%	19.8%	2.0%	94.3%	87.0%	87.0%	94.3%	100.0%	100.0%	100.0%	100.0%	100.0%	0.986
24	15.7%	34.3%	-	18.4%	37.7%	37.7%	15.7%	8.5%	13.0%	13.0%	8.5%	-	-	-	-	-	0.95
36	28.4%	2.8%	-	24.7%	18.4%	18.4%	28.4%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.93
48	24.9%	0.4%	-	21.4%	9.9%	9.9%	24.9%	(0.7%)		-	(0.7%)	-	-	-	-	-	0.90
60	13.9%	0.4%	-	12.0%	4.5%	4.5%	13.9%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.88
72	6.6%	0.4%	-	5.7%	7.3%	7.3%	6.6%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.85
84	4.6%	0.4%	-	4.0%	2.4%	2.4%	4.6%	-	-	-	-	-	-	-	-	-	0.83
96	1.9%	0.1%	-	1.7%	-	-	1.9%	-	-	-	-	-	-	-	-	-	0.81
108	0.4%	-	-	0.3%	-	-	0.4%	-	-	-	-	-	-	-	-	-	0.79
120	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.76
132	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.74
144	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.72
156	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.70
168	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.68
180	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.67
192	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.65
204	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.63
216	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.61
228	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.60
240	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.58
252	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.56
264	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.55
276	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.53
288	0.2%	-	-	0.2%	-	-	0.2%	-	-	-	-	-	-	-	-	-	0.52
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

minor rating class: TX

rating type: all

jurisdiction (short form): NL Exh F-2 major rating class: PUB Page 15 of 16

Jurisidiction: Newfoundland & Labrador Vehicle Type: Taxi Project ID: NL-2018Q2-TX

Exh F-2

### Present Value Factors - Claim Amounts - Facility Association

Discount Rate 2.80%

Policy Year Estimated Payment Pattern by Development Age

Development Age	Bodily Injury	Property Damage	DCPD	TPL (indivisible)	AccBen (indivisible)	Uninsured Automobile	Underinsured Motorist	Collision	Comp	Specified Perils	All Perils	Medical Expenses	Disability Income	Death Benefits	Funeral Expenses	Supp. AccBen	Present Value Factor
_	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]	[27]	[28]	[29]	[30]	[31]	[32]	[33]	[34] =(1+[dsct
	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	average of AY	rate])^{-1*
	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	% by age	([dev'l age]- 6)/12}
12	0.6%	30.4%	50.0%	4.8%	9.7%	9.7%	0.6%	47.2%	43.5%	43.5%	47.2%	50.0%	50.0%	50.0%	50.0%	50.0%	0.9863
24	8.9%	47.8%	50.0%	14.3%	28.8%	28.8%	8.9%	51.4%	50.0%	50.0%	51.4%	50.0%	50.0%	50.0%	50.0%	50.0%	0.959
36	22.1%	18.6%	-	21.6%	28.1%	28.1%	22.1%	3.9%	6.5%	6.5%	3.9%	-	-	-	-	-	0.9333
48	26.7%	1.6%	-	23.1%	14.2%	14.2%	26.7%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.9079
60	19.4%	0.4%	-	16.7%	7.2%	7.2%	19.4%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.8831
72	10.3%	0.4%	-	8.9%	5.9%	5.9%	10.3%	(0.7%)	-	-	(0.7%)	-	-	-	-	-	0.8591
84	5.6%	0.4%	-	4.9%	4.9%	4.9%	5.6%	(0.4%)	-	-	(0.4%)	-	-	-	-	-	0.8357
96	3.3%	0.3%	-	2.9%	1.2%	1.2%	3.3%	-	-	-	-	-	-	-	-	-	0.8129
108	1.2%	0.1%	-	1.0%	-	-	1.2%	-	-	-	-	-	-	-	-	-	0.7908
120	0.3%	-	-	0.2%	-	-	0.3%	-	-	-	-	-	-	-	-	-	0.7692
132	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7483
144	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7279
156	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.7081
168	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6888
180	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6700
192	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6518
204	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6340
216	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6168
228	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.6000
240	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5836
252	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5677
264	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5523
276	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5372
288	0.2%	-	-	0.2%	-	-	0.2%	-	-	-	-	-	-	-	-	-	0.5226
300	0.1%	-	-	0.1%	-	-	0.1%	-	-	-	-	-	-	-	-	-	0.5084
TOTAL	99.9%	100.0%	100.0%	99.9%	100.0%	100.0%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
PV factor	0.8950	0.9601	0.9729	0.9036	0.9281	0.9281	0.8950	0.9732	0.9694	0.9694	0.9732	0.9729	0.9729	0.9729	0.9729	0.9729	

minor rating class: TX

rating type: all

jurisdiction (short form): NL major rating class: PUB minor rating class: TX

rating type: all

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Jurisidiction: Newfoundland & Labrador

Vehicle Type: Taxi
Project ID: NL-2018Q2-TX

Exh G-1

#### **Development of Present Value Factors - Premium and Expense**

#### Assuming 2.80% Annual Rate of Return

	<u>-</u>				
	-		Percentage of Premiun		•
		Nominal [A]	Discount Factor [B]	Discounted [C]	
		[A]	[6]	=[A]*[B]	
Revenue [1]	Premium	100.00	0.9963	99.63	assumed collection delay, in mths: 1.60 based on the premium lag analysis
[2]	Finance Fee	100.00	0.9963		n/a
[3]	Total Revenue	100.00	0.3303		=[1]+[2]
Effective Co.	mmission Ratios				
[4]	estimated @ current rates	6.00	0.9963	5 98	Exh G-2 row [3]
[5]	at indicated target rate change	6.00	0.9963	5.98	- okay verifies commission ratio correct with Exh G-2 row [3]
[6]	at indicated target rate change at indicated rate change & alternative target	6.00	0.9963	5.98	- okay verifies commission ratio correct with Exh G-2 row [3]
[7]	at proposed rates	6.00	0.9963	5.98	- okay verifies commission ratio correct with Exh G-2 row [3]
Dromium Va	riable Expenses, premium tax and S.C. non-claims fees				
[8]	Premium tax	5.00	0.9963	4 08	PwC Insurance Industry Key tax rates and updates (2017-09)
[9]	Servicing carrier operating cost	9.00	0.9963		Plan of Operation, Article IX, 2(a)
[10]	Servicing carrier operating cost  Servicing carrier fees	1.00	0.9963		Plan of Operation, Article IX, 2(a)
[10]	Premium finance admin expenses	1.00	0.9963		n/a
[12]	GISA Levy (% of ALL COVERAGES premium)	0.06	0.9963	0.06	·
[13]	Rate Regulatory Levy (where it is % of ALL COVERAGES	0.00	0.9963		=[36]
[13]	premium)	0.12	0.9903	0.12	-[30]
[14]	Health Levy (where it is % of ALL COVERAGES premium)		0.9963	-	as applicable
[15]	Total Premium Variable Expenses, premium tax and S.C. non-	15.18		15.13	=sum of rows [8] thru [14]
	claims fees, other than TPL				
[16]	Health Levy (where it is % of TPL ONLY)		0.9963	-	as applicable
[17]	Total Premium Variable Expenses, premium tax and S.C. non-	15.18		15.13	=[15]+[16]
	claims fees, TPL ONLY				
Premium Va	riable Expenses, Servicing Carrier Initial Claims Fee				
[18]	Servicing carrier claims fee reimbursement ratio	10.00	0.9725	9.73	Plan of Operation; discount rate based on earned premium flows: avg earned mth:
Fixed Expen					
[19]	Misc. Income/Expenses	_	0.9963	_	per FA finance
[20]	Central Office	1.80	0.9963		Exh G-2 row [7] NLTX2017
[21]	Total Fixed Expense (used directly for other than TPL)	1.80	0.9903		=[19]+[20]
	, , , , , ,				
[22]	TPL Written Exposures	560			Exh C-2 row [17]
[23]	On-level TPL Written Premium (\$1s)	3,507,336			Exh C-2 row [29]
[24]	Driver Record Abstracts	110.96			Driver Record Abstracts Analysis
[25]	Driver Record Abstracts Cost (total in \$s)	62,091			=[22]*[24]
[26]	Driver Record Abstracts as % of premium	1.77	0.9963	1.76	=100*[25]/[23]
[27]	Health Levy per earned vehicle				Health Care Levy Analysis, for NS need plus \$0.5 fire Dept. levy
[28]	Health Levy Cost (total in \$s)				=[22]*[27]
[29]	Health Levy (where it is per vehicle), as % of premium		0.9963	_	=100*[28]/[23]
[30]	Total Fixed Expense (used directly for TPL ONLY)	3.57	0.5505		=[21]+[26]+[29]
Command for	CISA and Data Deculator Louise				
	GISA and Rate Regulator Levies	10,544,977			Total Evange from the GISA 2015 Appual Directors Papert
[31]	GISA Cost				Total Expense from the GISA 2015 Annual Directors Report
[32]	Industry Annual Written Premium (\$1,000s)  GISA Levy as % of premium	18,470,695 0.06	0.9963	0.06	2016 Industry AU11 AIX (all vehs combined) =100*[31]/[32]
[33]	Sign cory as 70 or premium	0.00	0.3303	0.00	200 [52]] [52]
[34]	Rate Regulator Annual Industry Levy Cost (total in \$s)	525,623			NLPUB 2016 Annual Report
[35]	Industry Annual Written Premium (\$1,000s)	429,044			2016 Industry AU11 AIX (all vehs combined)
[36]	Rate Regulator Levy as % of premium	0.12	0.9963	0.12	=100*[34]/[35]