DELAWARE COMPENSATION RATING BUREAU, INC.

Indicated Residual Market Rate Change

Page 1 presents the overall indicated changes in rates and loss costs.

Derivation of the indemnity and medical trend factors and trended loss ratios shown on page 1 is presented on pages 2 and 3.

Page 4 shows the derivation of overall frequency trend factors for each of the latest four policy years.

INDICATED CHANGE IN RATE LEVEL

(1a) (1b) (1c) (1d) (1e)	Policy Year 2015 Loss and Loss Adjustment Expense Ratio Policy Year 2016 Loss and Loss Adjustment Expense Ratio Policy Year 2017 Loss and Loss Adjustment Expense Ratio Policy Year 2018 Loss and Loss Adjustment Expense Ratio Average (Midpoint = 7/1/2017)	Indemnity 0.3278 0.3036 0.2767 0.2580 0.2915	Medical 0.4017 0.4334 0.3939 0.3584 0.3969	Total 0.7295 0.7370 0.6706 0.6164 0.6884
(2a) (2b) (2c) (2d) (2e)	Policy Year 2015 Loss and LAE Ratio Trended to 12/1/2020 Policy Year 2016 Loss and LAE Ratio Trended to 12/1/2020 Policy Year 2017 Loss and LAE Ratio Trended to 12/1/2020 Policy Year 2018 Loss and LAE Ratio Trended to 12/1/2020 Average at 12/1/2021	0.2217 0.2194 0.2136 0.2127 0.2169	0.3863 0.4195 0.3838 0.3515 0.3853	0.6022
(3a) (3b)	Excess Loss Factor at \$1,742,306 (Post-Legislative Basis) Provision for Excess Loss (4a) - (2e)			0.0796 0.0521
(4a) (4b)	Total Trended Loss and LAE Ratio (2e) / (1.0 - (3a)) Percentage of Total	0.2226 34.02%	0.4317 65.98%	0.6543
(5)	Permissible Loss and Loss Adjustment Ratio			0.6866
(6)	Indicated Change in Rates (4a) / (5)			0.9530
(7)	Estimated Effect of the 7/1/21 Benefit Change			1.0036
(8) (8a) (8b)	Indicated Change in Residual Market Rate Level (6) * (7) Factor to Adjust for Compromise With Insurance Department Change in Residual Market Rate Level to Reflect Compromise (9) * (9a)			0.9564 0.95358 0.9120 -8.80 %
(9) (9a) (9b)	Indicated Change in Voluntary Market Loss Costs (8) * [0.7186 / 0.7411] Factor to Adjust for Compromise With Insurance Department Change in Voluntary Market Loss Cost Level to Reflect Compromise (10) * (10a)			0.9274 0.95358 0.8844 -11.56%

		Mfg.	Cont.	Other	Total
(10) (11) (12)	Current Collectible Premium Ratio Proposed Collectible Premium Ratio Change in Collectible Premium Ratio (11) / (10)	1.1130 1.0913 0.9805	1.0522 1.0498 0.9977	0.9358 0.9260 0.9895	0.9898
(13)	Change in Residual Market Manual Rate Level (8) * (12)	0.8942	0.9099	0.9024	0.9027
(14)	Change in Voluntary Market Manual Loss Cost Level (9) * (12)	0.8671	0.8823	0.8751	0.8753
(15) (16)	Current Offset for Residual Market Surcharge Proposed Offset for Residual Market Surcharge				0.9946 0.9957
(17)	Adjusted Change in Voluntary Market Manual Loss Cost Level (14) * (16) / (15)	0.8681	0.8833	0.8761	0.8763

DETERMINATION OF TREND

INDEMNITY

Policy Year		2012	2013	2014	2015	2016	2017	2018
Actual Loss Ratio		0.3625	0.4019	0.3301	0.3278	0.3036	0.2767	0.2580
Normalized Frequency		0.6879	0.7173	0.6127	0.6438	0.5637	0.5662	0.4918
Severity Loss Ratio		0.5270	0.5603	0.5387	0.5092	0.5386	0.4887	0.5246
	x	1	2	3	4	5	6	7
•	у	0.5270	0.5603	0.5387	0.5092	0.5386	0.4887	0.5246

7 Point Exponential Regression: y = 0.548347 * 0.989791 ^ x

Selected Annual Trend =

	Trend Period		
Annual	# Years	Severity	Frequency
Trend Factor	to 12/1/21	Trend Factor	Trend Factor
(4)	(0)	(0) (4) (0)	(4) 11

-1.0%

Policy	Annual	# Years	Severity	Frequency
Year	Trend Factor	to 12/1/21	Trend Factor	Trend Factor
	(1)	(2)	$(3) = (1)^{\wedge}(2)$	(4) #
2015	0.9898	5.9167	0.9411	0.7187
2016	0.9898	4.9167	0.9508	0.7600
2017	0.9898	3.9167	0.9606	0.8036
2018	0.9898	2.9167	0.9705	0.8497

Trended Loss Ratio

Policy Year	Actual Loss Ratio (5)	Combined Trend Factor (6) = (3)*(4)	Trended Loss Ratio (7) = (5)*(6)
2015	0.3278	0.6764	0.2217
2016	0.3036	0.7226	0.2194
2017	0.2767	0.7719	0.2136
2018	0.2580	0.8246	0.2127
Average			0.2169

[#] See Page 12.4 for column (4).

DETERMINATION OF TREND

MEDICAL

Policy Year		2012	2013	2014	2015	2016	2017	2018
Actual Loss Ratio		0.3679	0.4335	0.3982	0.4017	0.4334	0.3939	0.3584
Normalized Frequency		0.6879	0.7173	0.6127	0.6438	0.5637	0.5662	0.4918
Severity Loss Ratio		0.5348	0.6043	0.6499	0.6240	0.7688	0.6957	0.7287
_	x	1	2	3	4	5	6	7
_	У	0.5348	0.6043	0.6499	0.6240	0.7688	0.6957	0.7287

7 Point Exponential Regression: y = 0.537011 * 1.050439 ^ x

	Selected Annual Trend =	5.0%		
		Trend Period		
Policy	Annual	# Years	Severity	Frequency
Year	Trend Factor	to 12/1/21	Trend Factor	Trend Factor
	(1)	(2)	$(3) = (1)^{(2)}$	(4) #
2015	1.0504	5.9167	1.3380	0.7187
2016	1.0504	4.9167	1.2737	0.7600
2017	1.0504	3.9167	1.2126	0.8036
2018	1.0504	2.9167	1.1543	0.8497
Trended Loss Ratio				
Policy	Actual	Combined	Trended	
Year	Loss Ratio	Trend Factor	Loss Ratio	
	(5)	(6) = (3)*(4)	(7) = (5)*(6)	
2015	0.4017	0.9616	0.3863	
2016	0.4334	0.9680	0.4195	
2017	0.3939	0.9744	0.3838	
2018	0.3584	0.9808	0.3515	

Average

0.3853

[#] See Page 12.4 for column (4).

DETERMINATION OF TREND

CLAIM FREQUENCY

Policy Year Frequency per \$1 million of Expected Losses

	Policy		Claim		Normalized		
	Year		Frequency		Frequency		
	2006		12.24		1.0000		
	2007		11.33		0.9257		
	2008		10.04		0.8203		
	2009		9.89		0.8080		
	2010		9.95		0.8129		
	2011		9.36		0.7647		
	2012		8.42		0.6879		
	2013		8.78		0.7173		
	2014		7.50		0.6127		
	2015		7.88		0.6438		
	2016		6.90		0.5637		
	2017		6.93		0.5662		
	2018		6.02		0.4918		
Policy Year	2012	2013	2014	2015	2016	2017	2018
x	1	2	3	4	5	6	7
у	0.6879	0.7173	0.6127	0.6438	0.5637	0.5662	0.4918

7 Point (2012 - 2018) Exponential Regression: y = 0.759572 * 0.945702 ^ x

Selected Annual Trend = -5.4%

Policy Year	Annual Trend Factor (1)	# of Years to 12/1/21 (2)	Frequency Trend Factor (3) = (1)^(2)
2015	0.9457	5.9167	0.7187
2016	0.9457	4.9167	0.7600
2017	0.9457	3.9167	0.8036
2018	0.9457	2.9167	0.8497