# DELAWARE COMPENSATION RATING BUREAU, INC.

# Review of Experience Rating Plan Parameters

Page 20.1 contains Collectible Premium Ratios.

Page 20.2 contains Expected Loss Rate Factors. They are applied to residual market rates by classification to produce Table A, Expected Loss Factors, which are the basis for the calculation of Expected Losses.

Page 20.3 contains the derivation of various factors, i.e. maximum single loss size, self-rating point, that are used to produce Table B.

# **COLLECTIBLE PREMIUM RATIOS \***

Manual Years 2019 to 2021 Market Profile Report Data

			Collectible		
Manual	Premium at	Collected Premium	Premium		
Year	Manual Rates	(Excluding Constants)	Ratio (2)/(3)		
(1)	(2)	(3)	(4)		
	ΔI	L INDUSTRIES			
	712	LE INDOGRALES			
2019	406,987,562	424,669,096	0.9584		
2020	365,918,840	394,206,843	0.9282		
2021	352,049,279	385,561,352	0.9131		
TOTAL	1,124,955,681	1,204,437,291	0.9340		
	MANUFAC	TURING AND UTILITIES			
2019	52,103,450	49,266,127	1.0576		
2020	43,998,970	42,771,494	1.0287		
2021	40,148,245	36,502,768	1.0999		
TOTAL	136,250,665	128,540,389	1.0600		
	CONTRAC	TING AND QUARRYING			
2019	90,530,872	85,400,513	1.0601		
2020	80,243,623	79,426,650	1.0103		
2021	77,567,841	77,920,491	0.9955		
TOTAL	248,342,336	242,747,654	1.0230		
	ОТН	IER INDUSTRIES			
2019	264,353,240	290,002,456	0.9116		
2020	241,676,247	272,008,699	0.8885		
2021	234,333,193	271,138,093	0.8643		
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TOTAL	740,362,680	833,149,248	0.8886		

<sup>\*</sup> Excludes classifications and coverages not subject to experience rating.

### **EXPECTED LOSS RATE FACTORS**

### **CALCULATION OF EXPECTED LOSS RATE FACTORS**

Policy Year Beginning 12/1	Average Law Multiplier	Adjustment Factor	Loss Ratio Development Factor	Expense Allowance * 1 / (PLR/CPR)	Trend Factor	Product (2) * (3) * (4) * (5) * (6)	Expected Loss Rate Factor 1.0 / (7)	Factor to Reflect Approved Rate Levels**	Combined Effect (8) * (9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			Manufacturing	and Utilities					
2018	1.0320	1.0000	1.2858	1.8639	1.0436	2.5811	0.3874	1.0446	0.4047
2019	1.0250	1.0000	1.4626	1.8639	1.0324	2.8848	0.3466	1.0446	0.3621
2020	1.0190	1.0000	1.8125	1.8639	1.0214	3.5162	0.2844	1.0446	0.2971
			Contracting an	d Quarrying					
2018	1.0320	1.0000	1.3272	1.7988	1.0436	2.5712	0.3889	1.0446	0.4062
2019	1.0250	1.0000	1.4454	1.7988	1.0324	2.7513	0.3635	1.0446	0.3797
2020	1.0190	1.0000	1.7619	1.7988	1.0214	3.2986	0.3032	1.0446	0.3167
			Other Ind	<u>ustries</u>					
2018	1.0320	1.0000	1.2952	1.5625	1.0436	2.1796	0.4588	1.0446	0.4793
2019	1.0250	1.0000	1.4484	1.5625	1.0324	2.3949	0.4176	1.0446	0.4362
2020	1.0190	1.0000	1.8466	1.5625	1.0214	3.0031	0.3330	1.0446	0.3479

Permissible Loss Ratio = 0.5687
Collectible Premium Ratios
Manufacturing = 1.0600

Contracting = 1.0230 All Other = 0.8886

<sup>\*\* (12/1/22</sup> Filed Change in Manual Rate Level)/(12/1/22 Approved Change in Manual Rate Level) by Industry Group, from Exhibit 12, Page 1

### **Experience Rating Plan Parameters**

(a) Standard LR / CPR = Manual LR 0.5687 / 0.9340 = 0.6089