DELAWARE COMPENSATION RATING BUREAU, INC.

State and Hazard Group Relativities

The attached exhibit pages present an analysis of Delaware State and Hazard Group relativities.

The exhibit shows the derivation of the December 1, 2018 proposed relativities. DCRB and NCCI average costs are shown by hazard group and in total. A credibility weight is calculated for each hazard group based on the number of claims. A credibility weighted average cost is then calculated and these average costs are related to the NCCI overall average cost to generate the indicated (and selected) relativities. An adjustment has been made to recognize the impact of Senate Bill 1, Senate Bill 238, House Bill 175 and House Bill 373 on Delaware average costs.

The bottom of the exhibit presents the approved December 1, 2017 relativities.

Derivation of State Hazard Group Relativities Delaware December 1, 2018 Filing

Hazard Group	DCRB Average Cost (1)	Total	Ratio to NCCI Total (3)=(4)All/(1)i	NCCI Average Cost (4)	Ratio to NCCI Total (5)=(4)AII/(4)i	# Claims	Credibility * (7)	Cred Wtd Average Cost** (8)	Ratio to NCCI Total (9)=(4)AII/(8)i	Selected St & HG Relativity (10)
Α	56,834	1.728	1.051	37,292	1.602	672	0.066	38,582	1.548	1.548
В	74,799	1.313	0.799	45,689	1.307	1,587	0.101	48,629	1.228	1.228
С	80,639	1.218	0.741	51,116	1.169	3,633	0.153	55,633	1.074	1.074
D	94,260	1.042	0.634	60,165	0.993	909	0.077	62,790	0.951	0.951
E	121,616	0.808	0.491	71,093	0.840	1,845	0.109	76,600	0.780	0.780
F	157,690	0.623	0.379	87,212	0.685	668	0.066	91,864	0.650	0.650
G	536,748	0.183	0.111	100,004	0.597	113	0.027	111,796	0.534	0.534
All	98,219		0.608	59,736		9,427	0.247	69,241		

Delaware December 1, 2017 Filing Hazard Group Α В С D Ε F G

Approved Relativity

1.542

1.211

1.070

0.939

0.766

0.646

0.539

^{*} Credibility = [# claims by TOI / 155,000]^0.5
** DCRB Avg Cost * Cred + NCCI Avg Cost * (1-Cred)