PENNSYLVANIA COMPENSATION RATING BUREAU

State and Hazard Group Relativities

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

Page 1 shows the indicated State and Hazard Group Relativities for seven Hazard Groups.

Calculation of PA Hazard Group Relativities

Injury	(1) Incurred Losses	(2) # Claims	(3) Average Severity (1) / (2)	(4) NCCI Average Severity +	(5) Indicated Relativities (4T) / (3i)	(6) Adjusted Current Relativities Col(C) below	(7) Credibility ++	(8) Credibility Weighted Relativities (5)*(7)+(6)*[1-(7)]
(i) Hazard Group A	260,677,470	6,497	40,123		1.49	1.50	0.2047	1.50
(ii) Hazard Group B	1,443,118,400	25,574	56,429		1.06	1.04	0.4062	1.05
(iii) Hazard Group C	2,790,600,162	45,304	61,597		0.97	0.97	0.5406	0.97
(iv) Hazard Group D	1,213,747,781	18,338	66,188		0.90	0.88	0.3440	0.89
(v) Hazard Group E	2,471,358,466	29,556	83,616		0.71	0.74	0.4367	0.73
(vi) Hazard Group F	1,544,362,853	13,287	116,231		0.51	0.53	0.2928	0.52
(vii) Hazard Group G	366,456,006	2,720	134,726		0.44	0.45	0.1325	0.45
Total - All Hazard Groups	10,090,321,138	141,276	71,423	59,736				

Calculation of Current PA Adjusted Average Severities

	(A)	(B)	(C)
	PA Current	Adjustment	Adjusted
Injury	Relativity	Factor	Current Relativities
		#	(A) *(B)
(a) Hazard Group A	1.71	0.8776	1.50
(b) Hazard Group B	1.19	0.8776	1.04
(c) Hazard Group C	1.10	0.8776	0.97
(d) Hazard Group D	1.00	0.8776	0.88
(e) Hazard Group E	0.84	0.8776	0.74
(f) Hazard Group F	0.60	0.8776	0.53
(g) Hazard Group G	0.51	0.8776	0.45

Notes:

- + Countrywide Average Severity of NCCI states
- ++ Full credibility equals 155,000 claims for each Hazard Group. Z = (calculated # claims / 155,000) ^0.5
- # Change in Countrywide Overall Average Cost / Change in PA Overall Average Cost = 0.9952/1.1341