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 7 Hazard Groups.

Page 2 shows the indicated State and Hazard Group Relativities for 4 Hazard Groups.

PENNSYLVANIA State and Hazard Group Relativities April 1, 2011 Filing

Calculation of PA Hazard Group Relativities.

| Injury | (1) Incurred Losses | (2) # Claims | (3) Average Severity (1) / (2) | (4) NCCI Average Severity + | (5) Indicated Relativites (4T) / (3i) | (6) Adjusted Current Relativities Col(C) below | (7) Credibility ++ | Credibility Weighted Relativities (5)*(7)+(6)*[1-(7)] |
|----------------------|---------------------------|-----------------|---|--------------------------------------|--|---|--------------------------|---|
| (i) Hazard Group A | 347,492,978 | 8,403 | 41,353 | | 1.40 | 1.46 | 0.2328 | 1.45 |
| (ii) Hazard Group B | 2,201,377,113 | 36,716 | 59,957 | | 0.96 | 1.03 | 0.4867 | 1.00 |
| (iii) Hazard Group C | 4,465,858,036 | 69,055 | 64,671 | | 0.89 | 0.88 | 0.6675 | 0.89 |
| (iv) Hazard Group D | 1,983,342,072 | 27,934 | 71,001 | | 0.81 | 0.84 | 0.4245 | 0.83 |
| (v) Hazard Group E | 4,190,821,619 | 50,538 | 82,924 | | 0.70 | 0.71 | 0.5710 | 0.70 |
| (vi) Hazard Group F | 2,693,690,651 | 24,276 | 110,961 | | 0.52 | 0.56 | 0.3958 | 0.54 |
| (vii) Hazard Group G | 642,657,541 | 4,519 | 142,212 | | 0.41 | 0.48 | 0.1707 | 0.47 |

Total - All Hazard Groups 16,525,240,010 221,441 74,626 57,797 Calculation of Current PA Adjusted Average Severities

| Injury | (A) PA Current Relativity | (B) Adjustment Factor # | (C) Adjusted Current Relativities (A) *(B) |
|--------------------|---------------------------------|----------------------------------|---|
| (a) Hazard Group A | 1.51 | 0.9699 | 1.46 |
| (b) Hazard Group B | 1.06 | 0.9699 | 1.03 |
| (c) Hazard Group C | 0.91 | 0.9699 | 0.88 |
| (d) Hazard Group D | 0.87 | 0.9699 | 0.84 |
| (e) Hazard Group E | 0.73 | 0.9699 | 0.71 |
| (f) Hazard Group F | 0.58 | 0.9699 | 0.56 |
| (g) Hazard Group G | 0.49 | 0.9699 | 0.48 |

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 = 1.000 /1.031

PENNSYLVANIA State and Hazard Group Relativities April 1, 2011 Filing

Calculation of PA Hazard Group Relativities.

| Injury | (1) Incurred Losses | (2) # Claims | (3) Average Severity (1) / (2) | (4) NCCI Average Severity + | Weighted Relativities (From Page 1) |
|---------------------------|---------------------------|-----------------|---|--------------------------------------|--|
| (i) Hazard Group 1 | 2.548.870.091 | 45.119 | 56.492 | | 1.06 |
| (ii) Hazard Group 2 | 6,449,200,108 | 96,989 | 66,494 | | 0.87 |
| (iii) Hazard Group 3 | 6,884,512,270 | 74,814 | 92,022 | | 0.64 |
| (iv) Hazard Group 4 | 642,657,541 | 4,519 | 142,212 | | 0.47 |
| Total - All Hazard Groups | 16,525,240,010 | 221,441 | 74,626 | 57,797 | |

Notes:

+ Countrywide Average Severity of NCCI states