PENNSYLVANIA COMPENSATION RATING BUREAU F CLASS FILING

Tax Multiplier

Enclosed is a calculation of the tax multiplier for use in retrospective rating associated with F Class coverages.

CALCULATION OF TAX MULTIPLIER FOR USE IN RETROSPECTIVE RATING PLANS (U.S.L. & H.W. Act Coverages)

Expense Provisions for U.S.L. & H.W. Classes

Losses	61.14
Loss Adjustment Expense	8.53
Loss & Loss Adjustment	69.67
Premium Discount	8.1
Acquisition	6.63
General Expenses	2.91
Profit and Contingencies	(5.37)
Taxes	2.38
Security Fund	0.43
Uncollectible Premium	1.25
Federal Assessment	14.00
	30.33

<u>If</u>

T = Tax multiplier

E = Expense provision in rates (General, Acquisition, and Profit), less premium discount

L = Loss provision in rates

C = Loss conversion factor

B = Assessments made on premiums

A = Assessments made on losses (adjusted so as not to collect profit and general expense dollars on the extra premium generated by the assessments)

Using average discount (Schedules X & Y combined) this yields:

$$ACQ GEN PROFIT PREM DISC$$

$$E = (0.0393) = 0.0663 + 0.0291 + (0.0537) - 0.0810$$

$$A = 0.2387 = 0.2289 x 1 - -0.0393 - 0.0406 1 - 0.0018 - 0.0406$$

Then

$$T = \frac{E + L (1 + C + A)}{E + L (1 + C)} \times \frac{1}{1 - B}$$

$$T = \frac{-0.0393 + 0.6114 (1 + 0.1395 + 0.2387)}{-0.0393 + 0.6114 (1 + 0.1395)} \times \frac{1}{1 - 0.0406} = 1.2736$$