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	62.67
Loss Adjustment Expense	9.59
Loss & Loss Adjustment	72.26
Premium Discount	7.64
	6.40
Acquisition	
General Expenses	4.21
Profit and Contingencies	1.10
Taxes	2.31
Security Fund	-
Uncollectible Premium	1.31
Federal Assessment	3.83
	26.80

<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:

$$ACQ \qquad GEN \qquad PROFIT \qquad PREM DISC$$

$$E = 0.0407 \qquad = 0.0640 \qquad + \qquad 0.0421 \qquad + \qquad 0.0110 \qquad - \qquad 0.0764$$

$$A = 0.0587 \qquad = 0.0611 \qquad x \qquad \underbrace{1 - 0.0407 - 0.0362}_{1 - 0.0027 - 0.0362}$$

<u>Then</u>

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

$$T = \underbrace{\begin{array}{ccc} 0.0407 + 0.6267 (1 + 0.1531 + 0.0587) & x & 1 & = 1.0876 \\ 0.0407 + 0.6267 (1 + 0.1531) & & 1 - 0.0362 \end{array}}_{\label{eq:total_$$