

**PENNSYLVANIA COMPENSATION RATING BUREAU**

OCTOBER 1, 2016 F CLASS RATE FILING

INDEX TO F CLASSIFICATION EXHIBITS

- 1 Composite Pure Premium Multipliers
- 2 Per Claim and Catastrophe Limitations
- 3 Credibility - 100% Expected Loss Standard
- 4 Expected Loss Credibility Table
- 5 Payroll Conversion Factors
- 6 Payroll Credibility Table
- 7 Table V - Total
- 8 Class Book

**Pennsylvania F Class Rate Revision**  
**Proposed Effective October 1, 2016**

**Calculation of Composite Pure Premium Multiplier**

<b>Item</b>	<b>Total</b>
(1) Pure Premium Test Correction Factor	0.9994
(2) Off-Balance Factor (Collectible Prem Ratio)	1.0320
(3) Expense Provision ( $1 / 0.6752$ )	1.4810
(4) Rate Test Correction Factor	0.9609
(5) Composite Pure Premium Multiplier (1)*(2)*(3)*(4)	1.4678

## CALCULATION OF PER CLAIM AND CATASTROPHE LIMITATIONS

All Death, Permanent Total and Major Disability claims in the Pennsylvania experience for Manual Years 2008 through 2012 were translated using composite multipliers, yielding an average claim value of \$7,855. A value of \$484,652 was selected based on a review of Pennsylvania State Act coverage experience as reported in the approved 4/1/16 Loss Cost Filing. Using twice the value as unity and using the indicated Hazard Group Relativities produced the following results:

Hazard Group (1)	Hazard Group Relativities @ (2)	Per Claim Limit [ 2 * 484,652 ] * (2) (3)	Per Accident Limit (3) * 2 (4)
A	0.790	765,750	1,531,500
B	0.849	822,939	1,645,878
C	0.913	884,975	1,769,950
D	0.981	950,887	1,901,774
E	1.054	1,021,646	2,043,292
F	1.133	1,098,221	2,196,442
G	1.218	1,180,612	2,361,224

@ From Pennsylvania 4/1/15 Loss Cost Filing - Excess Loss Factor Study

## CREDIBILITY

The classification relativity criteria for 100 percent credibility for the various categories of loss are as follows:

Serious: 175 \* Average Cost of Serious Case (including Medical)  
 Non-Serious: 500 \* Average Cost of Non-Serious Case (including Medical)  
 Medical: 10 Percent of the Non-Serious

The following calculations are based on the figures in Table V, Section B.

	No. Cases	INDEMNITY AMOUNT (in hundreds)	MEDICAL AMOUNT (in hundreds)	TOTAL AMOUNT (in hundreds)	AVERAGE COST (4) / (1)
	(1)	(2)	(3)	(4)	(5)
Death	1	8,612	148	8,760	8,760
Permanent Total	0	2,008	193	2,201	0
Major	9	45,700	21,890	67,590	7,510
<b>Total Serious</b>	<b>10</b>	<b>56,320</b>	<b>22,231</b>	<b>78,551</b>	<b>7,855</b>
Minor	10	12,184	3,838	16,022	1,602
Temporary	88	34,214	13,530	47,744	543
<b>Total Non-Serious</b>	<b>98</b>	<b>46,398</b>	<b>17,368</b>	<b>63,766</b>	<b>651</b>

Accordingly, the criteria for 100 percent credibility will be:

Selected @

Serious: 175 *	7,855 =	1,374,625	84,814,100
Non-Serious: 500 *	651 =	325,500	15,734,500
Medical: .10 *	325,500 =	32,550	1,573,450

@ From PA State Act Coverage Loss Cost filing approval of 4/1/16.

**EXPECTED LOSS CREDIBILITY TABLE**

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
1.00	84,178,822	15,616,645	1,561,665
0.99	82,913,051	15,381,823	1,538,182
0.98	81,653,689	15,148,189	1,514,819
0.97	80,400,767	14,915,750	1,491,575
0.96	79,154,319	14,684,512	1,468,451
0.95	77,914,379	14,454,481	1,445,448
0.94	76,680,982	14,225,665	1,422,567
0.93	75,454,162	13,998,068	1,399,807
0.92	74,233,954	13,771,698	1,377,170
0.91	73,020,396	13,546,562	1,354,656
0.90	71,813,522	13,322,666	1,332,267
0.89	70,613,371	13,100,017	1,310,002
0.88	69,419,981	12,878,622	1,287,862
0.87	68,233,390	12,658,488	1,265,849
0.86	67,053,636	12,439,624	1,243,962
0.85	65,880,761	12,222,035	1,222,204
0.84	64,714,805	12,005,729	1,200,573
0.83	63,555,809	11,790,715	1,179,072
0.82	62,403,815	11,577,000	1,157,700
0.81	61,258,865	11,364,592	1,136,459
0.80	60,121,004	11,153,499	1,115,350
0.79	58,990,276	10,943,729	1,094,373
0.78	57,866,727	10,735,291	1,073,529
0.77	56,750,402	10,528,193	1,052,819
0.76	55,641,348	10,322,444	1,032,244
0.75	54,539,614	10,118,053	1,011,805
0.74	53,445,248	9,915,029	991,503
0.73	52,358,301	9,713,382	971,338
0.72	51,278,823	9,513,120	951,312
0.71	50,206,867	9,314,253	931,425
0.70	49,142,486	9,116,792	911,679
0.69	48,085,733	8,920,746	892,075
0.68	47,036,665	8,726,125	872,613
0.67	45,995,338	8,532,941	853,294
0.66	44,961,811	8,341,203	834,120
0.65	43,936,142	8,150,924	815,092
0.64	42,918,392	7,962,113	796,211
0.63	41,908,624	7,774,784	777,478
0.62	40,906,900	7,588,946	758,895
0.61	39,913,287	7,404,614	740,461
0.60	38,927,850	7,221,798	722,180
0.59	37,950,659	7,040,512	704,051
0.58	36,981,784	6,860,769	686,077
0.57	36,021,296	6,682,581	668,258
0.56	35,069,269	6,505,964	650,596
0.55	34,125,780	6,330,930	633,093
0.54	33,190,906	6,157,494	615,749
0.53	32,264,728	5,985,672	598,567
0.52	31,347,328	5,815,478	581,548
0.51	30,438,790	5,646,929	564,693
0.50	29,539,203	5,480,039	548,004
0.49	28,648,655	5,314,827	531,483
0.48	27,767,241	5,151,310	515,131
0.47	26,895,055	4,989,504	498,950
0.46	26,032,196	4,829,428	482,943
0.45	25,178,767	4,671,102	467,110

**EXPECTED LOSS CREDIBILITY TABLE**

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
0.44	24,334,872	4,514,545	451,455
0.43	23,500,621	4,359,777	435,978
0.42	22,676,126	4,206,819	420,682
0.41	21,861,504	4,055,692	405,569
0.40	21,056,877	3,906,420	390,642
0.39	20,262,370	3,759,025	375,903
0.38	19,478,115	3,613,532	361,353
0.37	18,704,245	3,469,965	346,997
0.36	17,940,904	3,328,352	332,835
0.35	17,188,239	3,188,720	318,872
0.34	16,446,402	3,051,096	305,110
0.33	15,715,555	2,915,511	291,551
0.32	14,995,865	2,781,996	278,200
0.31	14,287,509	2,650,583	265,058
0.30	13,590,670	2,521,308	252,131
0.29	12,905,542	2,394,204	239,420
0.28	12,232,329	2,269,312	226,931
0.27	11,571,246	2,146,669	214,667
0.26	10,922,520	2,026,319	202,632
0.25	10,286,391	1,908,306	190,831
0.24	9,663,113	1,792,677	179,268
0.23	9,052,957	1,679,482	167,948
0.22	8,456,212	1,568,776	156,878
0.21	7,873,186	1,460,614	146,061
0.20	7,304,210	1,355,059	135,506
0.19	6,749,641	1,252,177	125,218
0.18	6,209,862	1,152,038	115,204
0.17	5,685,291	1,054,721	105,472
0.16	5,176,383	960,310	96,031
0.15	4,683,635	868,897	86,890
0.14	4,207,596	780,583	78,058
0.13	3,748,874	695,482	69,548
0.12	3,308,151	613,720	61,372
0.11	2,886,194	535,440	53,544
0.10	2,483,878	460,803	46,080
0.09	2,102,214	389,998	39,000
0.08	1,742,386	323,244	32,324
0.07	1,405,812	260,803	26,080
0.06	1,094,225	202,998	20,300
0.05	809,819	150,236	15,024
0.04	555,494	103,054	10,305
0.03	335,350	62,214	6,221
0.02	155,863	28,916	2,892
0.01	29,999	5,566	557
0.00	0	0	0

## Classification Credibility Table

### Payroll Conversion Factors

Convert the Expected Loss Credibility Table to a Payroll Basis

A)	<hr/> <b>Five Year Payroll (00's)</b> <hr/>		
	9,086,365,870		
B)	<hr/> <b>Five Year Expected Losses *</b> <hr/>		
	Serious	Non-Serious	Medical Only
	5,189,656,801	4,369,046,442	825,994,020
C) =A/B	<hr/> <b>Ratio Payroll to Expected Loss</b> <hr/>		
	Serious	Non-Serious	Medical Only
	1.7509	2.0797	11.0005

\* Expected losses associated with payroll based classifications only

## PAYROLL CREDIBILITY TABLE

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
1.00	147,388,699	32,477,937	17,179,096
0.99	145,172,461	31,989,577	16,920,771
0.98	142,967,444	31,503,689	16,663,766
0.97	140,773,703	31,020,285	16,408,071
0.96	138,591,297	30,539,380	16,153,695
0.95	136,420,286	30,060,984	15,900,651
0.94	134,260,731	29,585,116	15,648,948
0.93	132,112,692	29,111,782	15,398,577
0.92	129,976,230	28,641,000	15,149,559
0.91	127,851,411	28,172,785	14,901,893
0.90	125,738,296	27,707,148	14,655,603
0.89	123,636,951	27,244,105	14,410,677
0.88	121,547,445	26,783,670	14,167,126
0.87	119,469,843	26,325,857	13,924,972
0.86	117,404,211	25,870,686	13,684,204
0.85	115,350,624	25,418,166	13,444,855
0.84	113,309,152	24,968,315	13,206,903
0.83	111,279,866	24,521,150	12,970,382
0.82	109,262,840	24,076,687	12,735,279
0.81	107,258,147	23,634,942	12,501,617
0.80	105,265,866	23,195,932	12,269,408
0.79	103,286,074	22,759,673	12,038,650
0.78	101,318,852	22,326,185	11,809,356
0.77	99,364,279	21,895,483	11,581,535
0.76	97,422,436	21,467,587	11,355,200
0.75	95,493,410	21,042,515	11,130,361
0.74	93,577,285	20,620,286	10,907,029
0.73	91,674,149	20,200,921	10,685,204
0.72	89,784,091	19,784,436	10,464,908
0.71	87,907,203	19,370,852	10,246,141
0.70	86,043,579	18,960,192	10,028,925
0.69	84,193,310	18,552,475	9,813,271
0.68	82,356,497	18,147,722	9,599,179
0.67	80,533,237	17,745,957	9,386,661
0.66	78,723,635	17,347,200	9,175,737
0.65	76,927,791	16,951,477	8,966,420
0.64	75,145,813	16,558,806	8,758,719
0.63	73,377,810	16,169,218	8,552,647
0.62	71,623,891	15,782,731	8,348,224
0.61	69,884,174	15,399,376	8,145,441
0.60	68,158,773	15,019,173	7,944,341
0.59	66,447,809	14,642,153	7,744,913
0.58	64,751,406	14,268,341	7,547,190
0.57	63,069,687	13,897,764	7,351,172
0.56	61,402,783	13,530,453	7,156,881
0.55	59,750,828	13,166,435	6,964,340
0.54	58,113,957	12,805,740	6,773,547
0.53	56,492,312	12,448,402	6,584,536
0.52	54,886,037	12,094,450	6,397,319
0.51	53,295,277	11,743,918	6,211,905
0.50	51,720,191	11,396,837	6,028,318
0.49	50,160,930	11,053,246	5,846,579
0.48	48,617,662	10,713,179	5,666,699
0.47	47,090,552	10,376,671	5,488,699
0.46	45,579,772	10,043,761	5,312,614
0.45	44,085,503	9,714,491	5,138,444
0.44	42,607,927	9,388,899	4,966,231



**PAYROLL CREDIBILITY TABLE**

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
1.00	147,388,699	32,477,937	17,179,096
0.99	145,172,461	31,989,577	16,920,771
0.43	41,147,237	9,067,028	4,795,976
0.42	39,703,629	8,748,921	4,627,712
0.41	38,277,307	8,434,623	4,461,462
0.40	36,868,486	8,124,182	4,297,257
0.39	35,477,384	7,817,644	4,135,121
0.38	34,104,232	7,515,063	3,975,064
0.37	32,749,263	7,216,486	3,817,140
0.36	31,412,729	6,921,974	3,661,351
0.35	30,094,888	6,631,581	3,507,751
0.34	28,796,005	6,345,364	3,356,363
0.33	27,516,365	6,063,388	3,207,207
0.32	26,256,260	5,785,717	3,060,339
0.31	25,016,000	5,512,417	2,915,771
0.30	23,795,904	5,243,564	2,773,567
0.29	22,596,313	4,979,226	2,633,740
0.28	21,417,585	4,719,488	2,496,354
0.27	20,260,095	4,464,428	2,361,444
0.26	19,124,240	4,214,136	2,229,053
0.25	18,010,442	3,968,704	2,099,236
0.24	16,919,145	3,728,230	1,972,038
0.23	15,850,822	3,492,819	1,847,512
0.22	14,805,982	3,262,583	1,725,736
0.21	13,785,161	3,037,639	1,606,744
0.20	12,788,941	2,818,116	1,490,634
0.19	11,817,946	2,604,153	1,377,461
0.18	10,872,847	2,395,893	1,267,302
0.17	9,954,376	2,193,503	1,160,245
0.16	9,063,329	1,997,157	1,056,389
0.15	8,200,577	1,807,045	955,833
0.14	7,367,080	1,623,378	858,677
0.13	6,563,903	1,446,394	765,063
0.12	5,792,242	1,276,353	675,123
0.11	5,053,437	1,113,555	589,011
0.10	4,349,022	958,332	506,903
0.09	3,680,766	811,079	429,020
0.08	3,050,744	672,251	355,580
0.07	2,461,436	542,392	286,893
0.06	1,915,879	422,175	223,310
0.05	1,417,912	312,446	165,272
0.04	972,614	214,321	113,360
0.03	587,164	129,386	68,434
0.02	272,901	60,137	31,813
0.01	52,525	11,576	6,127
0.00	0	0	0

TABLE V

TOTAL EXPERIENCE ALL INDUSTRIES - MANUAL YEARS 2008 - 2012

MAN YEAR	PAYROLL IN THOUS	ALL LOSSES	NO.	DEATH COMP. IN HUNDREDS	PERM. NO.	TOTAL COMP. IN HUNDREDS	MAJOR NO.	PERM. COMP. IN HUNDREDS	MINOR NO.	PERM. COMP. IN HUNDREDS	TEMPORARY NO.	TEMPORARY COMP. IN HUNDREDS	MEDICAL IN HUNDREDS	PURE PREM.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
<b>A. EXPERIENCE AS REPORTED</b>														
08	18,621	1,823,930		0		0	4	9,479	2	1,061	27	3,147	4,552	9.795
09	16,779	634,088		0		0		0	1	1,022	17	3,319	2,000	3.779
10	16,286	792,828		0		0	1	1,666	3	1,066	18	1,994	3,203	4.868
11	17,320	1,384,667	1	4,670		0	2	3,350		0	11	1,914	3,914	7.995
12	34,659	941,897		0		0		0	4	1,272	18	4,866	3,282	2.718
ALL	103,665	5,577,410	1	4,670		0	7	14,495	10	4,421	91	15,240	16,951	5.380
<b>B. REPORTED PAYROLLS, TRANSLATED LOSSES &amp; PURE PREMIUMS (EXCLUDING IBNR AND FREQUENCY TREND)</b>														
08	18,621	4,791,824		0		0	4	20,314	2	2,373	27	10,498	14,733	25.733
09	16,779	1,087,815		0		0		0	1	1,187	17	6,609	3,082	6.483
10	16,286	2,203,608		0		0	1	5,077	3	3,563	18	6,998	6,398	13.531
11	17,320	3,105,856	1	8,612		1,138	2	10,155		314	10	3,888	6,951	17.932
12	34,659	3,101,099		0		870	2	10,154	4	4,747	16	6,221	9,019	8.947
ALL	103,665	14,290,202	1	8,612		2,008	9	45,700	10	12,184	88	34,214	40,183	13.785
PURE PREMIUM		13.785		.831		.194		4.408		1.175		3.300	3.876	
<b>C. REPORTED PAYROLLS, TRANSLATED LOSSES &amp; PURE PREMIUMS (INCLUDING IBNR AND FREQUENCY TREND)</b>														
08	18,621	2,373,864		0		0	2	10,152	1	1,187	13	5,054	7,345	12.748
09	16,779	818,152		0		0		0	1	1,194	12	4,668	2,319	4.876
10	16,286	1,515,653		0		0	1	5,077	1	1,197	11	4,276	4,606	9.306
11	17,320	2,354,186		0		1,138	2	10,275		318	12	4,696	7,115	13.592
12	34,659	4,094,070		0		870	3	15,402	3	3,609	23	8,884	12,175	11.812
ALL	103,665	11,155,925		0		2,008	8	40,906	6	7,505	71	27,578	33,560	10.762
PURE PREMIUM		10.762		.000		.194		3.946		.724		2.660	3.237	

TABLE V

TOTAL MEDICAL EXPERIENCE ALL INDUSTRIES - MANUAL YEARS 2008 - 2012

MAN YEAR	PAYROLL IN THOUS	ALL LOSSES	DEATH NO.	DEATH COMP. IN HUNDREDS	PERM. NO.	TOTAL COMP. IN HUNDREDS	MAJOR NO.	PERM. COMP. IN HUNDREDS	MINOR NO.	PERM. COMP. IN HUNDREDS	TEMPORARY NO.	TEMPORARY COMP. IN HUNDREDS	MEDICAL ONLY IN HUNDREDS	PURE PREM.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
A. EXPERIENCE AS REPORTED														
08	18,621	455,206		0		0	4	2,865	2	160	27	1,431	96	2.445
09	16,779	199,988		0		0		0	1	405	17	1,475	119	1.192
10	16,286	320,260		0		0	1	530	3	1,114	18	1,369	189	1.966
11	17,320	391,357	1	60		0	2	2,760		0	11	1,011	83	2.260
12	34,659	328,175		0		0		0	4	911	18	2,197	173	.947
ALL	103,665	1,694,986	1	60		0	7	6,155	10	2,590	91	7,483	660	1.635
B. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (EXCLUDING IBNR AND FREQUENCY TREND)														
08	18,621	1,473,257		0		0	4	9,730	2	741	27	4,151	111	7.912
09	16,779	308,168		0		0		0	1	369	17	2,614	98	1.837
10	16,286	639,840		0		0	1	2,431	3	1,108	18	2,767	92	3.929
11	17,320	695,132	1	148		164	2	4,864		142	10	1,538	95	4.013
12	34,659	901,852		0		29	2	4,865	4	1,478	16	2,460	187	2.602
ALL	103,665	4,018,249	1	148		193	9	21,890	10	3,838	88	13,530	583	3.876
PURE PREMIUM		3.876		.014		.019		2.112		.370		1.305	.056	
C. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (INCLUDING IBNR AND FREQUENCY TREND)														
08	18,621	734,512		0		0	2	4,865	1	370	13	1,999	111	3.945
09	16,779	231,921		0		0		0	1	376	12	1,845	98	1.382
10	16,286	459,719		0		0	1	2,431	1	382	11	1,692	92	2.823
11	17,320	711,527		0		164	2	4,864		145	12	1,847	95	4.108
12	34,659	1,214,048		0		29	3	7,340	3	1,131	22	3,453	187	3.503
ALL	103,665	3,351,727		0		193	8	19,500	6	2,404	70	10,836	583	3.233
PURE PREMIUM		3.233		.000		.019		1.881		.232		1.045	.056	

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008	45									
2009	104									
2010	46									
2011	48									
2012	52									
<b>TOTAL</b>	<b>295</b>									

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B				
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-2,827	-1,171		
TOTAL LOSSES				
EXPECTED LOSSES	33,040	6,596	374	
CREDIBILITY	.00	.00	.00	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	.000	.000	.000	.000
INDICATED (POST-TEST)	.000	.000	.000	.000
PRES. ON RATE LEVEL	6.355	1.269	.072	7.696
DERIVED BY FORMULA	6.355	1.269	.072	7.696
UNDERLYING PRES. RATE	11.200	2.236	.127	13.563
PROPOSED	6.355	1.269	.072	7.696

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	11.296
IND. RATES				11.30	MINIMUM PREMIUM	
MAN. RATES	20.07	20.79	20.31	+ 11.30	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008	16									
2009	12									
2010	12									
2011	16									
2012	16									
<b>TOTAL</b>	<b>72</b>									

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B				
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-1,061	-312		
TOTAL LOSSES				
EXPECTED LOSSES	8,391	1,733	95	
CREDIBILITY	.00	.00	.00	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	.000	.000	.000	.000
INDICATED (POST-TEST)	.000	.000	.000	.000
PRES. ON RATE LEVEL	6.613	1.365	.074	8.052
DERIVED BY FORMULA	6.613	1.365	.074	8.052
UNDERLYING PRES. RATE	11.654	2.406	.131	14.191
PROPOSED	6.613	1.365	.074	8.052

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	11.818
IND. RATES				11.82	MINIMUM PREMIUM	
MAN. RATES	21.00	21.75	21.25	+ 11.82	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008	1,513	10,425	.689						1	1
2009	2,769									
2010	313	54,379	17.373				1			1
2011	339									
2012	315	4,455	1.414						1	1
<b>TOTAL</b>	<b>5,249</b>	<b>69,259</b>	<b>1.319</b>						<b>1</b>	<b>2</b>

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008					3,186					6,525	714
2010				21,334					32,966		79
2012					608					3,847	
<b>TOTAL</b>				<b>21,334</b>	<b>3,794</b>				<b>32,966</b>	<b>10,372</b>	<b>793</b>

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008					10,628					18,929	823
2010				68,162					31,751		38
2012		109	924	269	766		51	4,215	749	4,234	
<b>TOTAL</b>		<b>109</b>	<b>924</b>	<b>68,431</b>	<b>11,394</b>		<b>51</b>	<b>4,215</b>	<b>32,500</b>	<b>23,163</b>	<b>861</b>

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B	5,299	135,488	861	
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-107,696	-41,815		
TOTAL LOSSES		93,673	861	
EXPECTED LOSSES	755,332	170,434	10,866	
CREDIBILITY	.00	.01	.02	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	.000	1.785	.016	1.801
INDICATED (POST-TEST)	.000	.655	.030	.685
PRES. ON RATE LEVEL	8.165	1.842	.118	10.125
DERIVED BY FORMULA	8.165	1.830	.116	10.111
UNDERLYING PRES. RATE	14.390	3.247	.207	17.844
PROPOSED	8.165	1.830	.116	10.111

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	14.840
IND. RATES				14.84	MINIMUM PREMIUM	
MAN. RATES	26.29	27.28	26.72	+ 14.84	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008	68									
2009	330									
2010	140									
2011	447									
2012	44									
<b>TOTAL</b>	<b>1,029</b>									

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B				
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-49,680	-6,715		
TOTAL LOSSES				
EXPECTED LOSSES	354,912	62,799	4,281	
CREDIBILITY	.00	.00	.01	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	.000	.000	.000	.000
INDICATED (POST-TEST)	.000	.000	.000	.000
PRES. ON RATE LEVEL	19.570	3.463	.236	23.269
DERIVED BY FORMULA	19.570	3.463	.234	23.267
UNDERLYING PRES. RATE	34.491	6.103	.416	41.010
PROPOSED	19.570	3.463	.234	23.267

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	34.151
IND. RATES				34.15	MINIMUM PREMIUM	
MAN. RATES	61.34	62.86	61.41	+ 34.15	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008	355	6,597	1.858				1			1
2009	426	313	.073							
2010	304	1,205	.396							
2011	339	948	.279							
2012	7,479	319,102	4,266				4		3	7
<b>TOTAL</b>	<b>8,903</b>	<b>328,165</b>	<b>3.686</b>				<b>5</b>		<b>3</b>	<b>8</b>

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008				1,166					2,220		3,211
2009											313
2010											1,205
2011											948
2012				127,152	43,631				91,114	56,870	335
<b>TOTAL</b>				<b>128,318</b>	<b>43,631</b>				<b>93,334</b>	<b>56,870</b>	<b>6,012</b>

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008				2,608					10,287		3,699
2009											258
2010											587
2011											1,081
2012		7,801	341,946	277,873	62,076		758	308,036	116,107	66,734	362
<b>TOTAL</b>		<b>7,801</b>	<b>341,946</b>	<b>280,481</b>	<b>62,076</b>		<b>758</b>	<b>308,036</b>	<b>126,394</b>	<b>66,734</b>	<b>5,987</b>

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B	658,541	535,685	5,987	
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	584,354	15,629		
TOTAL LOSSES	1,242,895	551,314	5,987	
EXPECTED LOSSES	5,214,932	1,035,152	50,836	
CREDIBILITY	.01	.02	.03	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	13.960	6.192	.067	20.219
INDICATED (POST-TEST)	18.148	2.272	.125	20.545
PRES. ON RATE LEVEL	33.236	6.597	.324	40.157
DERIVED BY FORMULA	33.085	6.511	.318	39.914
UNDERLYING PRES. RATE	58.575	11.627	.571	70.773
PROPOSED	33.085	6.511	.318	39.914

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	58.585
IND. RATES				58.59	MINIMUM PREMIUM	
MAN. RATES	105.41	108.64	105.98	+ 58.59	PRESENT	3000

+PROPOSED



MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008	1,272									
2009	1,203	9,658	.802						1	1
2010	1,361	56,976	4.186						2	2
2011	1,242	26,174	2.107						1	1
2012	4,092	1,783	.043							
<b>TOTAL</b>	<b>9,170</b>	<b>94,591</b>	<b>1.032</b>						<b>4</b>	<b>4</b>

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2009					4,839					3,822	997
2010					10,823					44,341	1,812
2011					6,500					18,498	1,176
2012											1,783
<b>TOTAL</b>					<b>22,162</b>					<b>66,661</b>	<b>5,768</b>

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2009				64	9,636				45	6,771	823
2010				405	37,985				620	89,610	882
2011			6,434	476	13,207			5,800	920	28,153	1,341
2012											1,927
<b>TOTAL</b>			<b>6,434</b>	<b>945</b>	<b>60,828</b>			<b>5,800</b>	<b>1,585</b>	<b>124,534</b>	<b>4,973</b>

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B	12,234	187,892	4,973	
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-29,982	-26,238		
TOTAL LOSSES		161,654	4,973	
EXPECTED LOSSES	1,132,311	224,940	20,633	
CREDIBILITY	.01	.02	.03	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	.000	1.763	.054	1.817
INDICATED (POST-TEST)	.000	.647	.101	.748
PRES. ON RATE LEVEL	7.006	1.392	.128	8.526
DERIVED BY FORMULA	6.936	1.377	.127	8.440
UNDERLYING PRES. RATE	12.348	2.453	.225	15.026
PROPOSED	6.936	1.377	.127	8.440

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	12.388
IND. RATES				12.39	MINIMUM PREMIUM	
MAN. RATES	21.75	22.68	22.50	+ 12.39	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008										
2009										
2010										
2011										
2012	1,245									
<b>TOTAL</b>	<b>1,245</b>									

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B				
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	63,889	5,179		
TOTAL LOSSES	63,889	5,179		
EXPECTED LOSSES	380,746	79,307	3,710	
CREDIBILITY	.00	.01	.01	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	5.132	.416	.000	5.548
INDICATED (POST-TEST)	6.672	.153	.000	6.825
PRES. ON RATE LEVEL	17.352	3.615	.169	21.136
DERIVED BY FORMULA	17.352	3.580	.167	21.099
UNDERLYING PRES. RATE	30.582	6.370	.298	37.250
PROPOSED	17.352	3.580	.167	21.099

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	30.969
IND. RATES				30.97	MINIMUM PREMIUM	
MAN. RATES	55.13	57.10	55.78	+ 30.97	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008	4,194	779,191	18.578			2			9	11
2009	3,118	298,571	9.575					1	10	11
2010	3,514	435,725	12.399						10	11
2011	4,148	1,195,001	28.809	1		1			9	11
2012	5,454	447,654	8.207						10	10
<b>TOTAL</b>	<b>20,428</b>	<b>3,156,142</b>	<b>15.450</b>	<b>1</b>		<b>4</b>		<b>1</b>	<b>48</b>	<b>54</b>

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008			409,484		96,657			238,640		34,147	263
2009				102,164	109,976				40,545	44,068	1,818
2010			166,556		135,953			53,000		75,768	4,448
2011	467,000		204,833		183,993	6,000		251,000		81,120	1,055
2012					312,410					129,374	5,870
<b>TOTAL</b>	<b>467,000</b>		<b>780,873</b>	<b>102,164</b>	<b>838,989</b>	<b>6,000</b>		<b>542,640</b>	<b>40,545</b>	<b>364,477</b>	<b>13,454</b>

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008			877,524		322,448			810,421		99,062	303
2009				115,775	218,983				35,714	78,081	1,500
2010			507,698	13,272	477,135			243,134	2,623	153,125	2,166
2011	861,240	69,571	687,318	24,115	373,833	14,844	14,937	438,973	12,359	123,458	1,203
2012		55,855	475,029	138,852	394,966		1,723	141,749	25,144	142,383	6,345
<b>TOTAL</b>	<b>861,240</b>	<b>125,426</b>	<b>2,547,569</b>	<b>292,014</b>	<b>1,787,365</b>	<b>14,844</b>	<b>16,660</b>	<b>1,634,277</b>	<b>75,840</b>	<b>596,109</b>	<b>11,517</b>

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B	5,200,016	2,751,328	11,517	
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-488,908	-199,126		
TOTAL LOSSES	4,711,108	2,552,202	11,517	
EXPECTED LOSSES	4,616,320	1,170,729	47,598	
CREDIBILITY	.01	.03	.05	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	23.062	12.494	.056	35.612
INDICATED (POST-TEST)	29.981	4.585	.105	34.671
PRES. ON RATE LEVEL	12.822	3.252	.132	16.206
DERIVED BY FORMULA	12.994	3.292	.131	16.417
UNDERLYING PRES. RATE	22.598	5.731	.233	28.562
PROPOSED	12.994	3.292	.131	16.417

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	24.096
IND. RATES				24.10	MINIMUM PREMIUM	
MAN. RATES	42.85	44.18	42.77	+ 24.10	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL
2008	7,829	933,042	11.917			2	1	14	17
2009	5,596	258,458	4.618					3	3
2010	6,794	241,551	3.555				2	6	8
2011	7,166	159,401	2.224			1		1	2
2012	11,755	159,549	1.357					4	4
<b>TOTAL</b>	<b>39,140</b>	<b>1,752,001</b>	<b>4.476</b>			<b>3</b>	<b>3</b>	<b>28</b>	<b>34</b>

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008			538,454	104,934	143,141			47,871	13,760	79,890	4,992
2009					180,388					74,987	3,083
2010				85,280	52,622				78,469	16,802	8,378
2011			130,127		857			25,000		1,447	1,970
2012					129,921					29,628	
<b>TOTAL</b>			<b>668,581</b>	<b>190,214</b>	<b>506,929</b>			<b>72,871</b>	<b>92,229</b>	<b>202,754</b>	<b>18,423</b>

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008			1,153,907	234,737	477,518			162,570	63,764	231,760	5,751
2009				2,381	359,184				886	132,863	2,543
2010				274,434	184,677				75,810	33,957	4,080
2011		44,197	321,785	6,807	1,741		1,488	41,644	900	2,202	2,246
2012		23,229	197,550	57,751	164,251		395	32,464	5,754	32,610	
<b>TOTAL</b>		<b>67,426</b>	<b>1,673,242</b>	<b>576,110</b>	<b>1,187,371</b>		<b>1,883</b>	<b>236,678</b>	<b>147,114</b>	<b>433,392</b>	<b>14,620</b>

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B	1,979,229	2,343,987	14,620	
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-389,070	-153,271		
TOTAL LOSSES	1,590,159	2,190,716	14,620	
EXPECTED LOSSES	4,206,376	922,922	45,793	
CREDIBILITY	.02	.05	.08	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	4.063	5.597	.037	9.697
INDICATED (POST-TEST)	5.282	2.054	.069	7.405
PRES. ON RATE LEVEL	6.098	1.338	.066	7.502
DERIVED BY FORMULA	6.082	1.374	.066	7.522
UNDERLYING PRES. RATE	10.747	2.358	.117	13.222
PROPOSED	6.066	1.370	.066	7.502

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	11.011
IND. RATES				11.01	MINIMUM PREMIUM	
MAN. RATES	18.71	20.00	19.80	+ 11.01	PRESENT	3000

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008	3,125	94,675	3.029						3	3
2009	2,815	67,088	2.383						3	3
2010	3,364	2,992	.088							
2011	3,146	3,143	.099							
2012	3,933	9,354	.237							
<b>TOTAL</b>	<b>16,383</b>	<b>177,252</b>	<b>1.082</b>						<b>6</b>	<b>6</b>

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008					71,702					22,540	433
2009					36,733					24,662	5,693
2010											2,992
2011											3,143
2012											9,354
<b>TOTAL</b>					<b>108,435</b>					<b>47,202</b>	<b>21,615</b>

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
2008					239,197					65,389	499
2009				484	73,140				291	43,696	4,697
2010											1,457
2011											3,583
2012											10,112
<b>TOTAL</b>				<b>484</b>	<b>312,337</b>				<b>291</b>	<b>109,085</b>	<b>20,348</b>

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B		422,197	20,348	
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-66,562	-30,186		
TOTAL LOSSES		392,011	20,348	
EXPECTED LOSSES	661,382	164,486	6,717	
CREDIBILITY	.01	.03	.04	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	.000	2.393	.124	2.517
INDICATED (POST-TEST)	.000	.878	.232	1.110
PRES. ON RATE LEVEL	2.291	.570	.023	2.884
DERIVED BY FORMULA	2.268	.579	.031	2.878
UNDERLYING PRES. RATE	4.037	1.004	.041	5.082
PROPOSED	2.268	.579	.031	2.878

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	4.224
IND. RATES				4.22	MINIMUM PREMIUM	
MAN. RATES	7.54	7.82	7.61	+ 4.22	PRESENT	2085

+PROPOSED

MANUAL YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P . T .	MAJOR	MINOR	TEMP	ALL	
2008	204									
2009	406									
2010	438									
2011	429									
2012	274									
<b>TOTAL</b>	<b>1,751</b>									

REPORTED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

TRANSLATED LOSSES											
MANUAL YEAR	INDEMNITY					MEDICAL					
	DEATH	P . T .	MAJOR	MINOR	TEMP	DEATH	P . T .	MAJOR	MINOR	TEMP	MED. ONLY
<b>TOTAL</b>											

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANS. LOSSES PG B				
TOTAL TRANS. LOSSES PG A				
IBNR + FREQUENCY ADJUST.	-5,947	-2,170		
TOTAL LOSSES				
EXPECTED LOSSES	63,299	12,240	701	
CREDIBILITY	.00	.01	.01	
<b>PURE PREMIUMS</b>				
INDICATED (PRE-TEST)	.000	.000	.000	.000
INDICATED (POST-TEST)	.000	.000	.000	.000
PRES. ON RATE LEVEL	2.050	.397	.023	2.470
DERIVED BY FORMULA	2.050	.393	.023	2.466
UNDERLYING PRES. RATE	3.615	.699	.040	4.354
PROPOSED	2.050	.393	.023	2.466

YEAR	4-1-09	4-1-11	4-1-14	10-1-16	IND. RATE	3.619
IND. RATES				3.62	MINIMUM PREMIUM	
MAN. RATES	6.46	6.68	6.52	+ 3.62	PRESENT	1825

+PROPOSED