

PENNSYLVANIA COMPENSATION RATING BUREAU

April 1, 2023 F-CLASS RATE FILING

OTHER SUPPORTING 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 Proposed Rate Selections
- 9 Class Book

Pennsylvania F-Class Rate Revision

Proposed Effective April 1, 2023

Calculation of Composite Pure Premium Multiplier

Item	Total
(1) Pure Premium Test Correction Factor	0.9982
(2) Off-Balance Factor (Collectible Prem Ratio)	1.0346
(3) Expense Provision (= 1 / 0.7227)	1.3837
(4) Rate Test Correction Factor	0.9976
(5) Composite Pure Premium Multiplier (1)*(2)*(3)*(4)	1.4255

CALCULATION OF PER CLAIM AND CATASTROPHE LIMITATIONS

All Death, Permanent Total and Major Disability claims in the Pennsylvania experience for Manual Years 2015 through 2019 were translated using composite multipliers, yielding an average claim value of \$7,820. A value of \$560,815 was selected based on a review of Pennsylvania State Act coverage experience as reported in the proposed 4/1/23 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) * \$ 560,815]* 2 (3)	Per Accident Limit (3) * 2 (4)
A	0.83	927,367	1,854,734
B	0.88	985,013	1,970,026
C	0.93	1,046,242	2,092,484
D	0.99	1,111,277	2,222,554
E	1.05	1,180,354	2,360,708
F	1.12	1,253,726	2,507,452
G	1.19	1,331,658	2,663,316

@ From the proposed PA State Act Coverage Loss Cost filing of 4/1/23.

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	MEDICAL AMOUNT	TOTAL AMOUNT	AVERAGE COST (4) / (1)
	(1)	(2)	(3)	(4)	(5)
Death	0	0	0	0	0
Permanent Total	0	0		0	0
Major	14	76,493	32,990	109,483	7,820
Total Serious	14	76,493	32,990	109,483	7,820
Minor	30	37,719	12,526	50,245	1,675
Temporary	154	43,925	25,005	68,931	448
Total Non-Serious	184	81,645	37,531	119,176	648

Accordingly, the criteria for 100 percent credibility will be: Selected @

Serious: 175 *	7,820	1,368,500	98,142,625
Non-Serious: 500 *	648	324,000	20,513,500
Medical: .10 *	324,000	32,400	2,051,350

@ From the proposed PA State Act Coverage Loss Cost filing of 4/1/23.

EXPECTED LOSS CREDIBILITY TABLE

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
1.00	97,407,513	20,359,849	2,035,985
0.99	95,942,827	20,053,705	2,005,371
0.98	94,485,555	19,749,110	1,974,911
0.97	93,035,737	19,446,073	1,944,607
0.96	91,593,410	19,144,602	1,914,460
0.95	90,158,614	18,844,705	1,884,471
0.94	88,731,388	18,546,390	1,854,639
0.93	87,311,774	18,249,666	1,824,967
0.92	85,899,811	17,954,541	1,795,454
0.91	84,495,541	17,661,025	1,766,103
0.90	83,099,008	17,369,125	1,736,913
0.89	81,710,253	17,078,852	1,707,885
0.88	80,329,322	16,790,213	1,679,021
0.87	78,956,258	16,503,219	1,650,322
0.86	77,591,107	16,217,879	1,621,788
0.85	76,233,915	15,934,202	1,593,420
0.84	74,884,728	15,652,199	1,565,220
0.83	73,543,596	15,371,879	1,537,188
0.82	72,210,566	15,093,253	1,509,325
0.81	70,885,688	14,816,331	1,481,633
0.80	69,569,012	14,541,123	1,454,112
0.79	68,260,591	14,267,640	1,426,764
0.78	66,960,475	13,995,894	1,399,589
0.77	65,668,720	13,725,895	1,372,590
0.76	64,385,379	13,457,654	1,345,765
0.75	63,110,507	13,191,184	1,319,118
0.74	61,844,162	12,926,496	1,292,650
0.73	60,586,401	12,663,602	1,266,360
0.72	59,337,284	12,402,515	1,240,252
0.71	58,096,870	12,143,247	1,214,325
0.70	56,865,221	11,885,812	1,188,581
0.69	55,642,400	11,630,221	1,163,022
0.68	54,428,471	11,376,489	1,137,649
0.67	53,223,500	11,124,629	1,112,463
0.66	52,027,554	10,874,656	1,087,466
0.65	50,840,701	10,626,583	1,062,658
0.64	49,663,012	10,380,426	1,038,043
0.63	48,494,558	10,136,199	1,013,620
0.62	47,335,414	9,893,918	989,392
0.61	46,185,655	9,653,598	965,360
0.60	45,045,357	9,415,256	941,526
0.59	43,914,601	9,178,909	917,891
0.58	42,793,466	8,944,572	894,457
0.57	41,682,038	8,712,265	871,227
0.56	40,580,400	8,482,003	848,200
0.55	39,488,642	8,253,807	825,381
0.54	38,406,853	8,027,695	802,770
0.53	37,335,126	7,803,685	780,369
0.52	36,273,556	7,581,799	758,180
0.51	35,222,242	7,362,056	736,206
0.50	34,181,284	7,144,478	714,448
0.49	33,150,788	6,929,086	692,909
0.48	32,130,859	6,715,904	671,590
0.47	31,121,609	6,504,953	650,495
0.46	30,123,152	6,296,258	629,626
0.45	29,135,607	6,089,844	608,984
0.44	28,159,094	5,885,736	588,574

EXPECTED LOSS CREDIBILITY TABLE

Serious, Non-Serious and Medical

Credibility (1)	Serious (2)	Non-Serious (3)	Medical (4)
0.43	27,193,740	5,683,961	568,396
0.42	26,239,676	5,484,545	548,455
0.41	25,297,037	5,287,517	528,752
0.40	24,365,963	5,092,907	509,291
0.39	23,446,599	4,900,744	490,074
0.38	22,539,098	4,711,060	471,106
0.37	21,643,615	4,523,889	452,389
0.36	20,760,315	4,339,264	433,926
0.35	19,889,368	4,157,221	415,722
0.34	19,030,952	3,977,797	397,780
0.33	18,185,252	3,801,032	380,103
0.32	17,352,463	3,626,964	362,696
0.31	16,532,789	3,455,638	345,564
0.30	15,726,442	3,287,098	328,710
0.29	14,933,646	3,121,390	312,139
0.28	14,154,638	2,958,564	295,856
0.27	13,389,666	2,798,671	279,867
0.26	12,638,993	2,641,768	264,177
0.25	11,902,896	2,487,911	248,791
0.24	11,181,669	2,337,162	233,716
0.23	10,475,628	2,189,587	218,959
0.22	9,785,104	2,045,256	204,526
0.21	9,110,456	1,904,243	190,424
0.20	8,452,066	1,766,628	176,663
0.19	7,810,346	1,632,497	163,250
0.18	7,185,741	1,501,944	150,194
0.17	6,578,734	1,375,069	137,507
0.16	5,989,850	1,251,982	125,198
0.15	5,419,667	1,132,804	113,280
0.14	4,868,819	1,017,667	101,767
0.13	4,338,009	906,719	90,672
0.12	3,828,026	800,124	80,012
0.11	3,339,759	698,068	69,807
0.10	2,874,219	600,762	60,076
0.09	2,432,576	508,451	50,845
0.08	2,016,202	421,421	42,142
0.07	1,626,735	340,016	34,002
0.06	1,266,183	264,654	26,465
0.05	937,082	195,867	19,587
0.04	642,790	134,355	13,436
0.03	388,051	81,110	8,111
0.02	180,357	37,698	3,770
0.01	34,713	7,256	726
0.00	0	0	0

Classification Credibility Table

Payroll Conversion Factors

Convert the Expected Loss Credibility Table to a Payroll Basis

A)	<hr/> Five Year Payroll (00's) <hr/>		
	11,526,137,454		

B)	<hr/> Five Year Expected Losses * <hr/>		
	Serious	Non-Serious	Medical Only
	3,217,409,946	3,933,003,501	837,765,265

C) =A/B	<hr/> Ratio Payroll to Expected Loss <hr/>		
	Serious	Non-Serious	Medical Only
	3.5824	2.9306	13.7582

* Expected losses associated with payroll based classifications only

PAYROLL CREDIBILITY TABLE

Serious, Non-Serious and Medical

Credibilit (1)	Serious (2)	Non-Serious (3)	Medical (4)
1.00	348,952,675	59,666,573	28,011,489
0.99	343,705,583	58,769,388	27,590,295
0.98	338,485,052	57,876,742	27,171,221
0.97	333,291,224	56,988,662	26,754,292
0.96	328,124,232	56,105,171	26,339,524
0.95	322,984,219	55,226,292	25,926,929
0.94	317,871,324	54,352,051	25,516,494
0.93	312,785,699	53,482,471	25,108,261
0.92	307,727,483	52,617,578	24,702,215
0.91	302,696,826	51,757,400	24,298,398
0.90	297,693,886	50,901,958	23,896,796
0.89	292,718,810	50,051,284	23,497,423
0.88	287,771,763	49,205,398	23,100,307
0.87	282,852,899	48,364,334	22,705,460
0.86	277,962,382	47,528,116	22,312,884
0.85	273,100,377	46,696,772	21,922,591
0.84	268,267,050	45,870,334	21,534,610
0.83	263,462,578	45,048,829	21,148,940
0.82	258,687,132	44,232,287	20,765,595
0.81	253,940,889	43,420,740	20,384,603
0.80	249,224,029	42,614,215	20,005,964
0.79	244,536,741	41,812,746	19,629,704
0.78	239,879,206	41,016,367	19,255,825
0.77	235,251,623	40,225,108	18,884,368
0.76	230,654,182	39,439,001	18,515,304
0.75	226,087,080	38,658,084	18,148,689
0.74	221,550,526	37,882,389	17,784,537
0.73	217,044,723	37,111,952	17,422,834
0.72	212,569,886	36,346,810	17,063,635
0.71	208,126,227	35,587,000	16,706,926
0.70	203,713,968	34,832,561	16,352,735
0.69	199,333,334	34,083,526	16,001,089
0.68	194,984,555	33,339,939	15,652,002
0.67	190,667,866	32,601,838	15,305,488
0.66	186,383,509	31,869,267	14,961,575
0.65	182,131,727	31,142,264	14,620,261
0.64	177,912,774	30,420,876	14,281,603
0.63	173,726,905	29,705,145	13,945,587
0.62	169,574,387	28,995,116	13,612,253
0.61	165,455,490	28,290,834	13,281,616
0.60	161,370,487	27,592,349	12,953,703
0.59	157,319,667	26,899,711	12,628,528
0.58	153,303,313	26,212,963	12,306,118
0.57	149,321,733	25,532,164	11,986,515
0.56	145,375,225	24,857,358	11,669,705
0.55	141,464,111	24,188,607	11,355,757
0.54	137,588,710	23,525,963	11,044,670
0.53	133,749,355	22,869,479	10,736,473
0.52	129,946,387	22,219,220	10,431,192
0.51	126,180,160	21,575,241	10,128,869
0.50	122,451,032	20,937,607	9,829,518
0.49	118,759,383	20,306,379	9,533,181
0.48	115,105,589	19,681,628	9,239,870
0.47	111,490,052	19,063,415	8,949,640
0.46	107,913,180	18,451,814	8,662,520
0.45	104,375,399	17,846,897	8,378,524

PAYROLL CREDIBILITY TABLE

Serious, Non-Serious and Medical

Credibilit (1)	Serious (2)	Non-Serious (3)	Medical (4)
0.44	100,877,138	17,248,738	8,097,719
0.43	97,418,854	16,657,416	7,820,106
0.42	94,001,015	16,073,008	7,545,754
0.41	90,624,105	15,495,597	7,274,676
0.40	87,288,626	14,925,273	7,006,927
0.39	83,995,096	14,362,120	6,742,536
0.38	80,744,065	13,806,232	6,481,571
0.37	77,536,086	13,257,709	6,224,058
0.36	74,371,752	12,716,647	5,970,041
0.35	71,251,672	12,183,152	5,719,586
0.34	68,176,482	11,657,332	5,472,737
0.33	65,146,847	11,139,304	5,229,533
0.32	62,163,463	10,629,181	4,990,044
0.31	59,227,063	10,127,093	4,754,339
0.30	56,338,406	9,633,169	4,522,458
0.29	53,498,293	9,147,546	4,294,471
0.28	50,707,575	8,670,368	4,070,446
0.27	47,967,139	8,201,785	3,850,466
0.26	45,277,929	7,741,965	3,634,600
0.25	42,640,935	7,291,072	3,422,916
0.24	40,057,211	6,849,287	3,215,511
0.23	37,527,890	6,416,804	3,012,482
0.22	35,054,157	5,993,827	2,813,910
0.21	32,637,298	5,580,575	2,619,891
0.20	30,278,681	5,177,280	2,430,565
0.19	27,979,784	4,784,196	2,246,026
0.18	25,742,199	4,401,597	2,066,399
0.17	23,567,657	4,029,777	1,891,849
0.16	21,458,039	3,669,058	1,722,499
0.15	19,415,415	3,319,795	1,558,529
0.14	17,442,057	2,982,375	1,400,131
0.13	15,540,483	2,657,231	1,247,484
0.12	13,713,520	2,344,843	1,100,821
0.11	11,964,353	2,045,758	960,419
0.10	10,296,602	1,760,593	826,538
0.09	8,714,460	1,490,067	699,536
0.08	7,222,842	1,235,016	579,798
0.07	5,827,615	996,451	467,806
0.06	4,535,974	775,595	364,111
0.05	3,357,003	574,008	269,482
0.04	2,302,731	393,741	184,855
0.03	1,390,154	237,701	111,593
0.02	646,111	110,478	51,868
0.01	124,356	21,264	9,988
0.00	0	0	0

TABLE V
Total Experience All Industries - Policy Years 2015 - 2019

PY (1)	Payroll (in 1,000's) (2)	All Losses (3)	<u>Death</u>		<u>Permanent Total</u>		<u>Major Perm Partial</u>		<u>Minor Perm Partial</u>		<u>Temporary Total</u>		<u>Medical</u>	Pure Premium (15)
			No. (4)	Amounts (in 100's) (5)	No. (6)	Amounts (in 100's) (7)	No. (8)	Amounts (in 100's) (9)	No. (10)	Amounts (in 100's) (11)	No. (12)	Amounts (in 100's) (13)	Amounts (in 100's) (14)	
A. LOSS EXPERIENCE AS REPORTED														
2015	66,212	3,412,593	0	0	0	0	5	16,384	7	3,562	40	3,104	11,077	5.154
2016	74,033	2,477,240	0	0	0	0	2	4,598	7	4,406	42	8,130	7,638	3.346
2017	80,746	3,595,208	0	0	0	0	6	16,160	6	2,365	22	3,892	13,535	4.457
2018	64,225	971,455	0	0	0	0	0	0	3	2,698	24	3,504	3,513	1.513
2019	58,362	1,327,027	0	0	0	0	1	2,317	7	4,137	26	2,561	4,256	2.272
Total	343,578	11,783,523	0	0	0	0	14	39,459	30	17,167	154	21,191	40,019	3.430
B. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (EXCLUDING IBNR AND FREQUENCY TREND)														
2015	66,212	5,865,174	0	0	0	0	5	28,769	7	6,254	40	5,451	18,177	8.858
2016	74,033	4,423,676	0	0	0	0	2	8,490	7	8,135	42	15,012	12,600	5.975
2017	80,746	6,885,623	0	0	0	0	6	32,250	6	4,719	22	7,767	24,121	8.528
2018	64,225	2,109,816	0	0	0	0	0	0	3	6,142	24	7,976	6,979	3.285
2019	58,362	3,852,778	0	0	0	0	1	6,984	7	12,468	26	7,719	11,357	6.602
Total	343,578	23,137,067	0	0	0	0	14	76,493	30	37,719	154	43,925	73,233	6.734
Pure Premium		6.734		0.000		0.000		2.226		1.098		1.278	2.131	
C. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (INCLUDING IBNR AND FREQUENCY TREND)														
2015	66,212	5,865,174	0	0	0	0	5	28,769	7	6,254	40	5,451	18,177	8.858
2016	74,033	4,423,676	0	0	0	0	2	8,490	7	8,135	42	15,012	12,600	5.975
2017	80,746	6,885,623	0	0	0	0	6	32,250	6	4,719	22	7,767	24,121	8.528
2018	64,225	2,109,816	0	0	0	0	0	0	3	6,142	24	7,976	6,979	3.285
2019	58,362	3,852,778	0	0	0	0	1	6,984	7	12,468	26	7,719	11,357	6.602
Total	343,578	23,137,067	0	0	0	0	14	76,493	30	37,719	154	43,925	73,233	6.734
Pure Premium		6.734		0.000		0.000		2.226		1.098		1.278	2.131	

TABLE V
Total Medical Experience All Industries - Policy Years 2015 - 2019

PY (1)	Payroll (in 1,000's) (2)	All Losses (3)	Death		Permanent Total		Major Perm Partial		Minor Perm Partial		Temporary Total		Medical Only	Pure Premium (15)
			No. (4)	Amounts (in 100's) (5)	No. (6)	Amounts (in 100's) (7)	No. (8)	Amounts (in 100's) (9)	No. (10)	Amounts (in 100's) (11)	No. (12)	Amounts (in 100's) (13)	Amounts (in 100's) (14)	
A. LOSS EXPERIENCE AS REPORTED														
2015	66,212	1,107,650	0	0	0	0	5	6,188	7	1,826	40	2,421	641	1.673
2016	74,033	763,823	0	0	0	0	2	1,031	7	1,256	42	4,534	818	1.032
2017	80,746	1,353,526	0	0	0	0	6	10,131	6	1,362	22	1,614	428	1.678
2018	64,225	351,293	0	0	0	0	0	0	3	858	24	2,403	252	0.547
2019	58,362	425,600	0	0	0	0	1	955	7	1,132	26	1,954	214	0.729
Total	343,578	4,001,892	0	0	0	0	14	18,305	30	6,435	154	12,927	2,352	1.165
B. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (EXCLUDING IBNR AND FREQUENCY TREND)														
2015	66,212	1,817,694	0	0	0	0	5	10,340	7	3,052	40	4,046	739	2.745
2016	74,033	1,259,965	0	0	0	0	2	1,762	7	2,146	42	7,749	943	1.702
2017	80,746	2,412,064	0	0	0	0	6	18,262	6	2,455	22	2,910	493	2.987
2018	64,225	697,949	0	0	0	0	0	0	3	1,760	24	4,929	290	1.087
2019	58,362	1,135,669	0	0	0	0	1	2,625	7	3,112	26	5,372	247	1.946
Total	343,578	7,323,341	0	0	0	0	14	32,990	30	12,526	154	25,005	2,712	2.131
Pure Premium		2.131		0.000		0.000		0.960		0.365		0.728	0.079	
C. REPORTED PAYROLLS, TRANSLATED LOSSES & PURE PREMIUMS (INCLUDING IBNR AND FREQUENCY TREND)														
2015	66,212	1,817,694	0	0	0	0	5	10,340	7	3,052	40	4,046	739	2.745
2016	74,033	1,259,965	0	0	0	0	2	1,762	7	2,146	42	7,749	943	1.702
2017	80,746	2,412,064	0	0	0	0	6	18,262	6	2,455	22	2,910	493	2.987
2018	64,225	697,949	0	0	0	0	0	0	3	1,760	24	4,929	290	1.087
2019	58,362	1,135,669	0	0	0	0	1	2,625	7	3,112	26	5,372	247	1.946
Total	343,578	7,323,341	0	0	0	0	14	32,990	30	12,526	154	25,005	2,712	2.131
Pure Premium		2.131		0.000		0.000		0.960		0.365		0.728	0.079	

PENNSYLVANIA COMPENSATION RATING BUREAU, INC.
APRIL 1, 2023 F-CLASS RATE FILING
RATE SELECTIONS

<u>Code</u>	<u>Selection</u>	<u>Basis for Rate Selection</u>
6824F	11.06	Based on Filing Exhibit 10, Derivation of F-Class Rates
6826F	9.74	Based on Filing Exhibit 10, Derivation of F-Class Rates
6843F	13.47	Based on Filing Exhibit 10, Derivation of F-Class Rates
6872F	26.26	Based on Filing Exhibit 10, Derivation of F-Class Rates
7309F	41.63	Based on Filing Exhibit 10, Derivation of F-Class Rates
7313F	9.45	Based on Filing Exhibit 10, Derivation of F-Class Rates
7317F	23.85	Based on Filing Exhibit 10, Derivation of F-Class Rates
7327F	24.06	Based on Filing Exhibit 10, Derivation of F-Class Rates
7366F	12.37	Based on Filing Exhibit 10, Derivation of F-Class Rates
8709F	6.68	Based on Filing Exhibit 10, Derivation of F-Class Rates
8726F	3.39	Based on Filing Exhibit 10, Derivation of F-Class Rates

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	51	0	0.000	0	0	0	0	0	0
2016	4	0	0.000	0	0	0	0	0	0
2017	31	0	0.000	0	0	0	0	0	0
2018	40	0	0.000	0	0	0	0	0	0
2019	52	21,766	41.858	0	0	0	0	1	1
TOTAL	178	21,766	12.228	0	0	0	0	1	1

REPORTED LOSSES											
POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	1,349	0	0	0	0	20,417	0
TOTAL	0	0	0	0	1,349	0	0	0	0	20,417	0

TRANSLATED LOSSES											
POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	4,066	0	0	0	0	56,122	0
TOTAL	0	0	0	0	4,066	0	0	0	0	56,122	0

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	0	60,188	0	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	0	60,188	0	
EXPECTED LOSSES	11,281	2,252	130	
CREDIBILITY	0.00	0.00	0.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	0.000	33.814	0.000	33.814
INDICATED (POST-TEST)	0.000	21.002	0.000	21.002
PRESENT ON RATE LEVEL	6.085	1.215	0.070	7.370
DERIVED BY FORMULA	6.085	1.215	0.070	7.370
UNDERLYING PRESENT RATE	6.338	1.265	0.073	7.676
PROPOSED	6.085	1.215	0.070	7.370

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	10.506
IND. RATE				10.51		
MAN. RATE	11.30	9.93	10.98	+ 10.51		

+ PROPOSED

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	29	0	0.000	0	0	0	0	0	0
2016	49	0	0.000	0	0	0	0	0	0
2017	52	0	0.000	0	0	0	0	0	0
2018	40	78,566	196,415	0	0	0	0	1	1
2019	35	178,229	509,226	0	0	0	1	0	1
TOTAL	205	256,795	125,266	0	0	0	1	1	2

REPORTED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	16,693	0	0	0	0	61,873	0
2019	0	0	0	130,367	0	0	0	0	47,862	0	0
TOTAL	0	0	0	130,367	16,693	0	0	0	47,862	61,873	0

TRANSLATED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	38,003	0	0	0	0	126,914	0
2019	0	0	0	392,952	0	0	0	0	131,563	0	0
TOTAL	0	0	0	392,952	38,003	0	0	0	131,563	126,914	0

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	0	689,432	0	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	0	689,432	0	
EXPECTED LOSSES	12,217	2,521	137	
CREDIBILITY	0.00	0.00	0.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	0.000	336.309	0.000	336.309
INDICATED (POST-TEST)	0.000	208.881	0.000	208.881
PRESENT ON RATE LEVEL	5.722	1.181	0.064	6.967
DERIVED BY FORMULA	5.722	1.181	0.064	6.967
UNDERLYING PRESENT RATE	5.960	1.230	0.067	7.257
PROPOSED	5.722	1.181	0.064	6.967

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	9.932
IND. RATE				9.93		
MAN. RATE	11.82	10.39	10.38	+ 9.93		

+ PROPOSED

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	12,971	0	0.000	0	0	0	0	0	0
2016	22,588	459,348	2.034	0	0	0	1	16	17
2017	19,849	1,332,493	6.713	0	0	2	0	4	6
2018	123	0	0.000	0	0	0	0	0	0
2019	96	0	0.000	0	0	0	0	0	0
TOTAL	55,627	1,791,841	3.221	0	0	2	1	20	23

REPORTED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	124,115	166,705	0	0	0	27,886	130,249	10,393
2017	0	0	730,144	0	34,655	0	0	544,822	0	18,061	4,811
2018	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	730,144	124,115	201,360	0	0	544,822	27,886	148,310	15,204

TRANSLATED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	573,006	0	230,392	0	0	310,540	0	144,264	6,335
2016	0	0	0	229,166	307,804	0	0	0	47,660	222,609	11,983
2017	0	0	1,204,470	0	69,158	0	0	730,277	0	32,557	5,547
2018	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	1,777,476	229,166	607,354	0	0	1,040,817	47,660	399,429	23,865

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	2,818,293	1,283,609	23,865	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	2,818,293	1,283,609	23,865	
EXPECTED LOSSES	4,234,411	1,012,187	57,839	
CREDIBILITY	0.01	0.04	0.07	

PURE PREMIUMS

INDICATED (PRE-TEST)	5.066	2.308	0.043	7.417
INDICATED (POST-TEST)	16.253	1.433	0.062	17.748
PRESENT ON RATE LEVEL	7.308	1.747	0.100	9.155
DERIVED BY FORMULA	7.398	1.734	0.097	9.230
UNDERLYING PRESENT RATE	7.612	1.820	0.104	9.536
PROPOSED	7.398	1.734	0.097	9.230

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	13.157
IND. RATE				13.16		
MAN. RATE	14.84	13.17	13.64	+ 13.16		

+ PROPOSED

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	158	0	0.000	0	0	0	0	0	0
2016	43	0	0.000	0	0	0	0	0	0
2017	271	16,479	6.081	0	0	0	0	1	1
2018	83	0	0.000	0	0	0	0	0	0
2019	132	0	0.000	0	0	0	0	0	0
TOTAL	687	16,479	2.399	0	0	0	0	1	1

REPORTED LOSSES											
POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	2,944	0	0	0	0	13,535	0
2018	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	2,944	0	0	0	0	13,535	0

TRANSLATED LOSSES											
POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	5,875	0	0	0	0	24,398	0
2018	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	5,875	0	0	0	0	24,398	0

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	0	30,273	0	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	0	30,273	0	
EXPECTED LOSSES	116,276	20,572	1,378	
CREDIBILITY	0.00	0.00	0.00	
PURE PREMIUMS				
INDICATED (PRE-TEST)	0.000	4.407	0.000	4.407
INDICATED (POST-TEST)	0.000	2.737	0.000	2.737
PRESENT ON RATE LEVEL	16.250	2.875	0.193	19.317
DERIVED BY FORMULA	16.250	2.875	0.193	19.317
UNDERLYING PRESENT RATE	16.925	2.994	0.201	20.120
PROPOSED	16.250	2.875	0.193	19.317

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	27.537
IND. RATE				27.54		
MAN. RATE	34.15	30.02	28.78	+ 27.54		
				+ PROPOSED		

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES						
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL	
2015	8,606	0	0.000	0	0	0	0	0	0	0
2016	9,158	706,007	7.709	0	0	1	2	4	7	
2017	8,549	286,995	3.357	0	0	0	1	6	7	
2018	8,033	15,366	0.191	0	0	0	0	1	1	
2019	8,679	191,895	2.211	0	0	0	4	4	8	
TOTAL	43,025	1,200,263	2.790	0	0	1	7	15	23	

REPORTED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	159,870	187,648	114,932	0	0	62,098	66,512	107,158	7,789
2017	0	0	0	54,994	114,579	0	0	0	74,592	31,325	11,505
2018	0	0	0	0	12,500	0	0	0	0	2,500	366
2019	0	0	0	66,000	62,321	0	0	0	3,500	59,401	673
TOTAL	0	0	159,870	308,642	304,332	0	0	62,098	144,604	200,384	20,333

TRANSLATED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	2,000,818	363,826	101,809	0	0	688,071	186,743	145,581	11,320
2016	0	0	295,184	346,473	212,210	0	0	106,132	113,676	183,144	8,981
2017	0	0	0	109,746	228,654	0	0	0	134,460	56,466	13,265
2018	0	0	0	0	28,458	0	0	0	0	5,128	422
2019	0	0	0	198,937	187,848	0	0	0	9,621	163,281	776
TOTAL	0	0	2,296,002	1,018,982	758,979	0	0	794,203	444,499	553,601	34,764

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	3,090,205	2,776,060	34,764	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	3,090,205	2,776,060	34,764	
EXPECTED LOSSES	11,759,421	2,215,698	107,765	
CREDIBILITY	0.01	0.04	0.06	

PURE PREMIUMS

INDICATED (PRE-TEST)	7.182	6.452	0.081	13.715
INDICATED (POST-TEST)	23.040	4.007	0.117	27.165
PRESENT ON RATE LEVEL	26.241	4.944	0.240	31.426
DERIVED BY FORMULA	26.209	4.907	0.233	31.349
UNDERLYING PRESENT RATE	27.332	5.150	0.250	32.732
PROPOSED	26.209	4.907	0.233	31.349

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	44.688
IND. RATE				44.69		
MAN. RATE	58.59	51.11	46.82	+ 44.69		

+ PROPOSED

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	12,614	0	0.000	0	0	0	0	0	0
2016	9,485	54,321	0.573	0	0	0	0	2	2
2017	14,499	0	0.000	0	0	0	0	0	0
2018	12,228	79,371	0.649	0	0	0	1	2	3
2019	8,897	77,269	0.868	0	0	0	0	2	2
TOTAL	57,723	210,961	0.365	0	0	0	1	6	7

REPORTED LOSSES											
POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	8,887	0	0	0	0	33,715	11,719
2017	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	35,568	6,261	0	0	0	0	28,115	9,427
2019	0	0	0	0	27,097	0	0	0	0	48,375	1,797
TOTAL	0	0	0	35,568	42,245	0	0	0	0	110,205	22,943

TRANSLATED LOSSES											
POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	112,340	7,846	0	0	0	71,203	2,508	1,937
2016	0	0	0	0	16,409	0	0	0	0	57,622	13,512
2017	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	80,974	14,254	0	0	0	0	57,669	10,869
2019	0	0	0	0	81,676	0	0	0	0	132,973	2,072
TOTAL	0	0	0	193,314	120,184	0	0	0	71,203	250,773	28,390

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	0	635,475	28,390	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	0	635,475	28,390	
EXPECTED LOSSES	3,435,687	650,161	62,558	
CREDIBILITY	0.01	0.05	0.07	
PURE PREMIUMS				
INDICATED (PRE-TEST)	0.000	1.101	0.049	1.150
INDICATED (POST-TEST)	0.000	0.684	0.071	0.755
PRESENT ON RATE LEVEL	5.715	1.081	0.104	6.900
DERIVED BY FORMULA	5.657	1.062	0.102	6.821
UNDERLYING PRESENT RATE	5.952	1.126	0.108	7.187
PROPOSED	5.657	1.062	0.102	6.821

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	9.723
IND. RATE				9.72		
MAN. RATE	12.39	10.75	10.28	+ 9.72		

+ PROPOSED

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	1,592	0	0.000	0	0	0	0	0	0
2016	1,619	1,173	0.072	0	0	0	0	0	0
2017	1,715	77,744	4.533	0	0	0	2	0	2
2018	1,749	2,529	0.145	0	0	0	0	1	1
2019	2,093	532	0.025	0	0	0	0	0	0
TOTAL	8,768	81,978	0.935	0	0	0	2	1	3

REPORTED LOSSES											
POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	1,173
2017	0	0	0	35,260	0	0	0	38,888	0	0	3,596
2018	0	0	0	0	1,416	0	0	0	0	645	468
2019	0	0	0	0	0	0	0	0	0	0	532
TOTAL	0	0	0	35,260	1,416	0	0	0	38,888	645	5,769

TRANSLATED LOSSES											
POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	84
2016	0	0	0	0	0	0	0	0	0	0	1,352
2017	0	0	0	70,365	0	0	0	70,100	0	0	4,146
2018	0	0	0	0	3,224	0	0	0	0	1,323	540
2019	0	0	0	0	0	0	0	0	0	0	613
TOTAL	0	0	0	70,365	3,224	0	0	0	70,100	1,323	6,736

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	0	145,011	6,736	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	0	145,011	6,736	
EXPECTED LOSSES	1,320,146	268,455	12,479	
CREDIBILITY	0.00	0.01	0.02	

PURE PREMIUMS				
INDICATED (PRE-TEST)	0.000	1.654	0.077	1.731
INDICATED (POST-TEST)	0.000	1.027	0.111	1.139
PRESENT ON RATE LEVEL	14.456	2.940	0.137	17.532
DERIVED BY FORMULA	14.456	2.920	0.136	17.512
UNDERLYING PRESENT RATE	15.056	3.062	0.142	18.260
PROPOSED	14.456	2.920	0.136	17.512

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	24.964
IND. RATE				24.96		
MAN. RATE	30.97	27.20	26.12	+ 24.96		

+ PROPOSED

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	7,017	481,010	6.855	0	0	1	1	11	13
2016	7,370	1,053,709	14.297	0	0	1	2	17	20
2017	9,757	595,437	6.103	0	0	1	1	6	8
2018	9,255	206,411	2.230	0	0	0	0	10	10
2019	10,253	243,557	2.375	0	0	0	1	7	8
TOTAL	43,652	2,580,124	5.911	0	0	3	5	51	59

REPORTED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	172,620	85,000	92,800	0	0	21,206	28,283	56,824	24,277
2016	0	0	299,929	74,470	466,320	0	0	40,972	19,492	139,467	13,059
2017	0	0	166,166	116,776	184,408	0	0	32,077	15,000	70,457	10,553
2018	0	0	0	0	136,392	0	0	0	0	65,409	4,610
2019	0	0	0	108,270	83,425	0	0	0	19,560	28,392	3,910
TOTAL	0	0	638,715	384,516	963,345	0	0	94,255	82,335	360,549	56,409

TRANSLATED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	303,121	149,260	162,957	0	0	35,435	47,261	94,953	27,991
2016	0	0	553,789	137,501	861,013	0	0	70,025	33,314	238,363	15,057
2017	0	0	331,601	233,038	368,005	0	0	57,822	27,039	127,006	12,168
2018	0	0	0	0	310,510	0	0	0	0	134,167	5,315
2019	0	0	0	326,347	251,460	0	0	0	53,767	78,044	4,508
TOTAL	0	0	1,188,510	846,147	1,953,944	0	0	163,282	161,380	672,533	65,040

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	1,351,793	3,634,004	65,040	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	1,351,793	3,634,004	65,040	
EXPECTED LOSSES	5,641,939	1,637,113	63,366	
CREDIBILITY	0.01	0.04	0.06	

PURE PREMIUMS

INDICATED (PRE-TEST)	3.097	8.325	0.149	11.571
INDICATED (POST-TEST)	9.934	5.171	0.216	15.321
PRESENT ON RATE LEVEL	12.409	3.601	0.139	16.149
DERIVED BY FORMULA	12.384	3.664	0.144	16.192
UNDERLYING PRESENT RATE	12.925	3.750	0.145	16.820
PROPOSED	12.352	3.654	0.144	16.149

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	23.021
IND. RATE				23.02		
MAN. RATE	24.10	21.91	24.06	+ 23.02		

+ PROPOSED

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	18,115	32,392	0.179	0	0	0	0	3	3
2016	19,617	130,726	0.666	0	0	0	2	1	3
2017	21,555	633,414	2.939	0	0	2	2	4	8
2018	26,692	501,441	1.879	0	0	0	2	7	9
2019	23,060	613,697	2.661	0	0	1	1	12	14
TOTAL	109,039	1,911,670	1.753	0	0	3	7	27	37

REPORTED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	17,956	0	0	0	0	7,583	6,853
2016	0	0	0	54,355	6,921	0	0	0	11,700	22,655	35,095
2017	0	0	392,525	29,439	32,608	0	0	133,412	7,717	28,055	9,658
2018	0	0	0	234,237	133,108	0	0	0	85,809	38,637	9,650
2019	0	0	231,692	109,014	81,892	0	0	95,514	42,295	38,849	14,441
TOTAL	0	0	624,217	427,045	272,485	0	0	228,926	147,521	135,779	75,697

TRANSLATED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	31,531	0	0	0	0	12,671	7,902
2016	0	0	0	100,361	12,779	0	0	0	19,996	38,720	40,465
2017	0	0	783,323	58,748	65,073	0	0	240,488	13,911	50,572	11,136
2018	0	0	0	533,264	303,034	0	0	0	176,011	79,252	11,126
2019	0	0	698,366	328,590	246,839	0	0	262,549	116,260	106,788	16,650
TOTAL	0	0	1,481,689	1,020,963	659,255	0	0	503,037	326,179	288,003	87,279

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	1,984,726	2,294,400	87,279	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	1,984,726	2,294,400	87,279	
EXPECTED LOSSES	7,525,060	1,669,064	90,589	
CREDIBILITY	0.02	0.07	0.11	

PURE PREMIUMS

INDICATED (PRE-TEST)	1.820	2.104	0.080	4.004
INDICATED (POST-TEST)	5.839	1.307	0.116	7.262
PRESENT ON RATE LEVEL	6.626	1.470	0.080	8.175
DERIVED BY FORMULA	6.610	1.458	0.084	8.152
UNDERLYING PRESENT RATE	6.901	1.531	0.083	8.515
PROPOSED	6.610	1.458	0.084	8.152

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	11.621
IND. RATE				11.62		
MAN. RATE	12.53	10.87	12.18	+ 11.62		

+ PROPOSED

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	4,691	24,645	0.525	0	0	0	0	3	3
2016	3,697	71,956	1.946	0	0	0	0	2	2
2017	4,149	652,646	15.730	0	0	1	0	1	2
2018	5,890	87,771	1.490	0	0	0	0	2	2
2019	5,072	82	0.002	0	0	0	0	0	0
TOTAL	23,499	837,100	3.562	0	0	1	0	8	9

REPORTED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	6,022	0	0	0	0	2,747	15,876
2016	0	0	0	0	49,265	0	0	0	0	20,127	2,564
2017	0	0	327,184	0	20,000	0	0	302,814	0	0	2,648
2018	0	0	0	0	43,987	0	0	0	0	43,131	653
2019	0	0	0	0	0	0	0	0	0	0	82
TOTAL	0	0	327,184	0	119,274	0	0	302,814	0	66,005	21,823

TRANSLATED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	10,575	0	0	0	0	4,590	18,305
2016	0	0	0	0	90,963	0	0	0	0	34,399	2,956
2017	0	0	652,928	0	39,912	0	0	545,853	0	0	3,053
2018	0	0	0	0	100,141	0	0	0	0	88,470	753
2019	0	0	0	0	0	0	0	0	0	0	95
TOTAL	0	0	652,928	0	241,590	0	0	545,853	0	127,460	25,162

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	1,198,781	369,050	25,162	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	1,198,781	369,050	25,162	
EXPECTED LOSSES	814,145	227,252	13,291	
CREDIBILITY	0.01	0.02	0.04	

PURE PREMIUMS

INDICATED (PRE-TEST)	5.101	1.570	0.107	6.779
INDICATED (POST-TEST)	16.365	0.975	0.155	17.496
PRESENT ON RATE LEVEL	3.326	0.928	0.054	4.309
DERIVED BY FORMULA	3.457	0.929	0.058	4.445
UNDERLYING PRESENT RATE	3.465	0.967	0.057	4.488
PROPOSED	3.457	0.929	0.058	4.445

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	6.336
IND. RATE				6.34		
MAN. RATE	6.46	5.61	6.42	+ 6.34		

+ PROPOSED

POLICY YEAR	PAYROLL IN THOUS	TOTAL REPT. LOSSES	PURE PREM. REPORTED	NUMBER OF CASES					
				DEATH	P. T.	MAJOR	MINOR	TEMP	ALL
2015	370	0	0.000	0	0	0	0	0	0
2016	403	0	0.000	0	0	0	0	0	0
2017	228	0	0.000	0	0	0	0	0	0
2018	90	0	0.000	0	0	0	0	0	0
2019	38	0	0.000	0	0	0	0	0	0
TOTAL	1,129	0	0.000	0	0	0	0	0	0

REPORTED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0

TRANSLATED LOSSES

POLICY YEAR	INDEMNITY					MEDICAL					
	DEATH	P. T.	MAJOR	MINOR	TEMP	DEATH	P. T.	MAJOR	MINOR	TEMP	MED. ONLY
2015	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0

	SERIOUS	NON-SERIOUS	MED. ONLY	TOTAL
TOTAL TRANSLATED LOSSES	0	0	0	
IBNR + FREQUENCY ADJUSTMENT	0	0	0	
TOTAL LOSSES	0	0	0	

EXPECTED LOSSES	22,582	4,249	241	
CREDIBILITY	0.00	0.00	0.01	

PURE PREMIUMS

INDICATED (PRE-TEST)	0.000	0.000	0.000	0.000
INDICATED (POST-TEST)	0.000	0.000	0.000	0.000
PRESENT ON RATE LEVEL	1.920	0.361	0.020	2.302
DERIVED BY FORMULA	1.920	0.361	0.020	2.302
UNDERLYING PRESENT RATE	2.000	0.376	0.021	2.398
PROPOSED	1.920	0.361	0.020	2.302

YEAR	4-1-16	4-1-18	4-1-21	4-1-23	IND. RATE	3.282
IND. RATE				3.28		
MAN. RATE	3.62	3.18	3.43	+ 3.28		

+ PROPOSED