



NORTH CAROLINA
Rate Bureau

4140 Parklake Ave, Ste 320
Raleigh, NC 27612

ncrb.org/ncrb

August 30, 2024

The Honorable Mike Causey
Commissioner
North Carolina Dept. of Insurance
1201 Mail Service Center
Raleigh, NC 27699-1201

Re: Workers Compensation Insurance
2024 Loss Cost Filing

Commissioner Causey:

Pursuant to the provisions of Article 36, Chapter 58 of the General Statutes of North Carolina, enclosed is the filing for workers compensation insurance prospective advisory loss costs, rating values, and miscellaneous values applicable to new and renewal policies becoming effective on or after April 1, 2025.

The enclosed memoranda, exhibits, testimony, and other supporting detail explain the calculations underlying, on average, a decrease of 5.2% from loss costs approved effective April 1, 2024. By industry group, the changes are: Manufacturing 2.6% decrease; Contracting 5.0% decrease; Office & Clerical 8.0% decrease; Goods & Services 6.2% decrease; and Miscellaneous 4.7% decrease. Within each industry group, the change will vary from the average by classification depending upon the volume and character of the particular classification experience.

The advisory loss costs for classifications which contemplate exposure under the United States Longshore and Harbor Workers' Compensation Act ("F" classifications) are also included. Appendix B-V sets forth and explains the calculations which produce a 12.6% decrease from the "F" classification advisory loss costs approved effective April 1, 2024.

The prospective advisory loss costs are based on historical data that have been developed and trended to their ultimate values and, except for loss adjustment expenses which are specifically authorized by statute to be included in the loss costs, include no provision for expenses, dividends, profit, or contingencies.

In addition to the loss cost changes, this filing proposes updates to the Experience Rating Plan.

Information and statistical data required pursuant to NCGS §58-36-15 and 11 NCAC 10.1111 are submitted. Additionally, the prefiled testimony of (1) Joanna Biliouris, General Manager — North Carolina Rate Bureau, (b) Brett Foster, FCAS, MAAA — National Council on Compensation Insurance, Inc., and (c) Stephen Koca, FCAS, MAAA — Milliman, Inc. are enclosed.

Subsequent to the approval of the loss costs reference filing, a copy of the approved reference filing will be provided to our member companies.

Sincerely,

A handwritten signature in black ink that reads "Joanna Biliouris". The signature is written in a cursive, flowing style.

Joanna Biliouris
General Manager

JB:ko
Enclosures

NORTH CAROLINA - LOSS COSTS

SUMMARY

Proposed Effective Date

April 1, 2025

I. Industrial Classifications

Overall Proposed Change in Lost Cost Level

- New and Renewal Policies -5.2%

By Industry Group

Manufacturing -2.6%

Contracting -5.0%

Office and Clerical -8.0%

Goods and Services -6.2%

Miscellaneous -4.7%

Overall -5.2%

II. Federal Classifications

Overall Proposed Change in Lost Cost Level

- New and Renewal Policies -12.6%

III. Summary of Miscellaneous Changes

	<u>Current</u>	<u>Proposed</u>
- USL&HW %	56%	56%
- Experience Rating Split Point	\$25,000	\$25,500
- Experience Rating Premium Eligibility Thresholds		
Column A	\$13,500	\$14,500
Column B	\$6,750	\$7,250

NORTH CAROLINA – LOSS COSTS

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NORTH CAROLINA

EXHIBIT I

Determination of Indicated Loss Cost Level Change

Section A - Policy Year 2022 Experience

Premium:

(1) Standard Earned Premium Developed to Ultimate (Appendix A-II)	\$919,936,349
(2) Premium On-level Factor (Appendix A-I)	0.798
(3) Premium Available for Benefit Costs = (1) x (2)	\$734,109,207

Indemnity Benefit Cost:

(4) Limited Indemnity Losses Developed to Ultimate (Appendix A-II)	\$363,074,203
(5) Indemnity Loss On-level Factor (Appendix A-I)	1.000
(6) Factor to Include Loss Adjustment Expense (Exhibit II)	1.200
(7) Composite Adjustment Factor = (5) x (6)	1.200
(8) Adjusted Limited Indemnity Losses = (4) x (7)	\$435,689,044
(9) Adjusted Limited Indemnity Cost Ratio excluding Trend and Benefits = (8) / (3)	0.593
(10) Factor to Reflect Indemnity Trend (Appendix A-III)	0.874
(11) Projected Limited Indemnity Cost Ratio = (9) x (10)	0.518
(12) Factor to Adjust Indemnity Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012
(13) Projected Indemnity Cost Ratio = (11) x (12)	0.524
(14) Factor to Reflect Proposed Changes in Indemnity Benefits (Appendix C)	1.000
(15) Projected Indemnity Cost Ratio including Benefit Changes = (13) x (14)	0.524

Medical Benefit Cost:

(16) Limited Medical Losses Developed to Ultimate (Appendix A-II)	\$295,106,675
(17) Medical Loss On-level Factor (Appendix A-I)	1.004
(18) Factor to Include Loss Adjustment Expense (Exhibit II)	1.200
(19) Composite Adjustment Factor = (17) x (18)	1.205
(20) Adjusted Limited Medical Losses = (16) x (19)	\$355,603,543
(21) Adjusted Limited Medical Cost Ratio excluding Trend and Benefits = (20) / (3)	0.484
(22) Factor to Reflect Medical Trend (Appendix A-III)	0.859
(23) Projected Limited Medical Cost Ratio = (21) x (22)	0.416
(24) Factor to Adjust Medical Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012
(25) Projected Medical Cost Ratio = (23) x (24)	0.421
(26) Factor to Reflect Proposed Changes in Medical Benefits (Appendix C)	1.004
(27) Projected Medical Cost Ratio including Benefit Changes = (25) x (26)	0.423

Total Benefit Cost:

(28) Indicated Change Based on Experience, Trend and Benefits = (15) + (27)	0.947
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EXHIBIT I

Determination of Indicated Loss Cost Level Change

Section B - Policy Year 2021 Experience

Premium:

(1) Standard Earned Premium Developed to Ultimate (Appendix A-II)	\$877,569,087
(2) Premium On-level Factor (Appendix A-I)	0.759
(3) Premium Available for Benefit Costs = (1) x (2)	\$666,074,937

Indemnity Benefit Cost:

(4) Limited Indemnity Losses Developed to Ultimate (Appendix A-II)	\$337,371,620
(5) Indemnity Loss On-level Factor (Appendix A-I)	1.000
(6) Factor to Include Loss Adjustment Expense (Exhibit II)	1.200
(7) Composite Adjustment Factor = (5) x (6)	1.200
(8) Adjusted Limited Indemnity Losses = (4) x (7)	\$404,845,944
(9) Adjusted Limited Indemnity Cost Ratio excluding Trend and Benefits = (8) / (3)	0.608
(10) Factor to Reflect Indemnity Trend (Appendix A-III)	0.839
(11) Projected Limited Indemnity Cost Ratio = (9) x (10)	0.510
(12) Factor to Adjust Indemnity Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012
(13) Projected Indemnity Cost Ratio = (11) x (12)	0.516
(14) Factor to Reflect Proposed Changes in Indemnity Benefits (Appendix C)	1.000
(15) Projected Indemnity Cost Ratio including Benefit Changes = (13) x (14)	0.516

Medical Benefit Cost:

(16) Limited Medical Losses Developed to Ultimate (Appendix A-II)	\$284,675,527
(17) Medical Loss On-level Factor (Appendix A-I)	1.009
(18) Factor to Include Loss Adjustment Expense (Exhibit II)	1.200
(19) Composite Adjustment Factor = (17) x (18)	1.211
(20) Adjusted Limited Medical Losses = (16) x (19)	\$344,742,063
(21) Adjusted Limited Medical Cost Ratio excluding Trend and Benefits = (20) / (3)	0.518
(22) Factor to Reflect Medical Trend (Appendix A-III)	0.820
(23) Projected Limited Medical Cost Ratio = (21) x (22)	0.425
(24) Factor to Adjust Medical Cost Ratio to an Unlimited Basis (Appendix A-II)	1.012
(25) Projected Medical Cost Ratio = (23) x (24)	0.430
(26) Factor to Reflect Proposed Changes in Medical Benefits (Appendix C)	1.004
(27) Projected Medical Cost Ratio including Benefit Changes = (25) x (26)	0.432

Total Benefit Cost:

(28) Indicated Change Based on Experience, Trend and Benefits = (15) + (27)	0.948
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NORTH CAROLINA

EXHIBIT I

Determination of Indicated Loss Cost Level Change

Section C - Indicated Change Based on Experience, Trend, and Benefits

(1) Policy Year 2022 Indicated Change Based on Experience, Trend, and Benefits	0.947 (-5.3%)
(2) Policy Year 2021 Indicated Change Based on Experience, Trend, and Benefits	0.948 (-5.2%)
(3) Indicated Change Based on Experience, Trend, and Benefits* = (1) x 50.0% + (2) x 50.0%	0.948 (-5.2%)

* The weight applied to each loss ratio in the experience period does not vary by year.

Section D - Distribution of Overall Loss Cost Level Change to Industry Groups

Industry Group Differentials (Appendix A-V):

Manufacturing	1.027
Contracting	1.002
Office & Clerical	0.970
Goods & Services	0.989
Miscellaneous	1.005

Applying these industry group differentials to the final overall loss cost level change produces the changes in loss cost level proposed for each group as shown:

Industry Group	(1) Final Overall Loss Cost Level Change	(2) Industry Group Differential	(3) = (1) x (2) Final Loss Cost Level Change by Industry Group	
Manufacturing	0.948	1.027	0.974	(-2.6%)
Contracting	0.948	1.002	0.950	(-5.0%)
Office & Clerical	0.948	0.970	0.920	(-8.0%)
Goods & Services	0.948	0.989	0.938	(-6.2%)
Miscellaneous	0.948	1.005	0.953	(-4.7%)
Overall	0.948	1.000	0.948	(-5.2%)

North Carolina

Loss Adjustment Expense Provision

	<u>Current Provision</u>	<u>Selected Provision</u>
Loss Adjustment Expense (See Exhibit II-A, Sheet 1)	20.0%	20.0%

North Carolina

Derivation of Loss Adjustment Expense Provision

(1) Calendar/ Accident <u>Year</u>	(2) Calendar Year <u>LAE Ratio*</u>	(3) Accident Year Developed <u>AOE Ratio+</u>	(4) Policy Year <u>Year</u>	(5) Policy Year Developed <u>DCCE Ratio^</u>
2019	21.9%	9.6%	2018	11.0%
2020	18.1%	10.2%	2019	10.2%
2021	18.2%	9.9%	2020	9.9%
2022	23.2%	9.7%	2021	10.0%
2023	21.8%	9.9%	2022	10.9%

Current North Carolina Loss Adjustment Expense Provision 20.0%

Selected North Carolina Loss Adjustment Expense Provision 20.0%

* Source: NCCI Call for Calendar Year Expense (Financial Call 14)

+ Source: NCCI Call for Loss Adjustment Expense (See Exhibit RB-4)

^ Exhibit II-A, Sheet 2

North Carolina

Selection of DCCE Provision

	(1)	(2)	(3)
<u>Policy Year</u>	<u>Reported Ratio of Paid DCCE to Paid Losses</u>	<u>Age to Ultimate Development Factor</u>	<u>Ultimate DCCE Ratio (1) x (2)</u>
2018	11.1%	0.990	11.0%
2019	10.3%	0.987	10.2%
2020	10.0%	0.985	9.9%
2021	10.1%	0.987	10.0%
2022	10.1%	1.077	10.9%

Summary of Paid DCCE to Paid Loss Ratio Development Factors

<u>Report</u>	<u>DCCE Ratio Development</u>	
	<u>To Next Report</u>	<u>To Ultimate</u>
1st	1.091	1.077
2nd	1.002	0.987
3rd	0.998	0.985
4th	0.997	0.987
5th	0.998	0.990
6th	0.998	0.992
7th	0.999	0.994
8th	0.998	0.995
9th	1.000	0.997
10th	0.999	0.997
11th	0.999	0.998
12th	0.999	0.999
13th	1.000	1.000
14th	1.000	1.000
15th	1.000	1.000
16th	1.000	1.000
17th	1.000	1.000
18th	1.000	1.000
19th		1.000*

(1) Selected two-year average

(2) = Cumulative upward product of column (1)

* Selection

ADVISORY LOSS COSTS - NOT RATES

NORTH CAROLINA

Advisory loss costs exclude all expense provisions except loss adjustment expense.

Exhibit III

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Effective April 1, 2025

CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO
0005	1.16	0.86	0.45	2089	1.01	0.74	0.45	2835	0.99	0.78	0.49
0008	0.92	0.68	0.45	2095	1.19	0.84	0.42	2836	1.09	0.86	0.49
0016	1.67	1.06	0.38	2105	1.62	1.28	0.49	2841	1.42	1.06	0.45
0034	1.49	1.06	0.42	2110	1.40	1.03	0.45	2881	1.19	0.94	0.49
0035	0.96	0.69	0.42	2111	0.91	0.67	0.45	2883	1.51	1.12	0.45
0036	1.62	1.18	0.45	2112	1.94	1.43	0.45	2915	1.16	0.73	0.38
0037	1.48	0.94	0.38	2114	0.89	0.71	0.49	2916	1.41	0.90	0.38
0042	1.93	1.37	0.42	2121	0.60	0.47	0.49	2923	0.73	0.57	0.49
0050	2.67	1.68	0.38	2130	0.97	0.69	0.42	2960	1.85	1.31	0.42
0059	-	-	-	2131	0.73	0.54	0.45	3004	0.72	0.42	0.34
0065	-	-	-	2143	1.11	0.88	0.49	3018	1.33	0.78	0.34
0066	-	-	-	2157	1.58	1.15	0.45	3022	1.76	1.30	0.45
0067	-	-	-	2172	0.84	0.52	0.38	3027	0.91	0.57	0.38
0079	0.89	0.63	0.42	2174	1.48	1.10	0.45	3028	1.34	0.85	0.38
0083	1.77	1.26	0.42	2211	3.12	1.97	0.38	3030	1.87	1.18	0.38
0106	4.80	2.80	0.34	2220	1.21	0.86	0.42	3040	1.70	1.20	0.42
0113	1.60	1.18	0.45	2286	-	0.86	0.42	3041	1.43	1.01	0.42
0170	0.99	0.73	0.45	2288	1.81	1.34	0.45	3042	1.26	0.89	0.42
0251	1.97	1.40	0.42	2302	0.91	0.65	0.42	3064	1.32	0.94	0.42
0401	3.22	1.88	0.34	2305	1.18	0.74	0.38	3076	1.07	0.78	0.45
0771N	0.20	-	-	2361	0.87	0.62	0.42	3081	1.45	1.02	0.42
0908P	70.00	49.93	0.42	2362	1.15	0.85	0.45	3082	1.71	1.08	0.38
0913P	176.00	124.23	0.42	2380	0.91	0.68	0.45	3085	2.07	1.48	0.42
0917	1.55	1.23	0.49	2388	0.53	0.42	0.49	3110	1.49	1.06	0.42
1005	3.01	1.56	0.32	2402	0.97	0.61	0.38	3111	1.12	0.83	0.45
1164	1.65	0.87	0.32	2413	1.05	0.74	0.42	3113	0.77	0.55	0.42
1165X	1.32	0.69	0.32	2416	1.14	0.84	0.45	3114	1.04	0.74	0.42
1320	0.86	0.50	0.34	2417	0.69	0.51	0.45	3118	0.76	0.60	0.49
1322	3.92	2.05	0.32	2501	1.01	0.75	0.45	3119	0.29	0.24	0.51
1430	2.44	1.54	0.38	2503	0.51	0.38	0.45	3122	0.94	0.74	0.49
1438	1.55	0.97	0.38	2570	1.48	1.09	0.45	3126	0.69	0.49	0.42
1452	0.88	0.55	0.38	2585	1.36	0.96	0.42	3131	0.62	0.44	0.42
1463	3.38	1.78	0.32	2586	1.69	1.25	0.45	3132	0.97	0.72	0.45
1472	1.25	0.78	0.38	2587	1.34	0.98	0.45	3145	0.74	0.52	0.42
1624	1.29	0.74	0.34	2589	0.79	0.57	0.42	3146	0.79	0.56	0.42
1642	1.20	0.76	0.38	2600	1.88	1.37	0.45	3169	0.98	0.72	0.45
1654	3.26	2.03	0.38	2623	2.31	1.46	0.38	3179	0.72	0.52	0.45
1699	1.23	0.78	0.38	2651	0.58	0.43	0.45	3180	0.89	0.66	0.45
1701	1.08	0.63	0.34	2660	0.95	0.76	0.49	3188	0.65	0.46	0.42
1710	1.91	1.20	0.38	2670	-	0.69	0.45	3220	0.89	0.63	0.42
1747	1.23	0.77	0.38	2683	-	0.75	0.45	3224	1.38	1.08	0.49
1748	1.87	1.19	0.38	2688	0.93	0.69	0.45	3227	1.50	1.10	0.45
1803	2.59	1.64	0.38	2702	9.52	5.05	0.32	3240	-	0.94	0.45
1924	1.39	1.02	0.45	2705X*	24.62	14.24	0.34	3241	1.28	0.94	0.45
1925	1.63	1.16	0.42	2709	3.27	1.89	0.34	3255	1.02	0.81	0.49
2002	1.55	1.14	0.45	2710	2.76	1.74	0.38	3257	1.28	0.94	0.45
2003	1.47	1.03	0.42	2714	1.83	1.36	0.45	3270	0.89	0.66	0.45
2014	2.02	1.28	0.38	2727X	4.36	2.53	0.34	3300	1.70	1.35	0.49
2016	1.17	0.85	0.45	2731	1.86	1.37	0.45	3303	1.12	0.83	0.45
2021	1.45	1.02	0.42	2735	1.95	1.45	0.45	3307	1.06	0.75	0.42
2039	1.33	0.98	0.45	2759	2.33	1.72	0.45	3315	1.43	1.06	0.45
2041	1.07	0.78	0.45	2790	0.79	0.63	0.49	3334	1.73	1.20	0.42
2065	0.95	0.67	0.42	2797	1.66	1.32	0.49	3336	1.05	0.74	0.42
2070	2.35	1.64	0.42	2799	3.45	2.43	0.42	3365	2.53	1.45	0.34
2081	1.60	1.26	0.49	2802	1.90	1.34	0.42	3372	1.16	0.82	0.42

* Refer to the Footnotes Page for additional information on this class code.

ADVISORY LOSS COSTS - NOT RATES

NORTH CAROLINA

Advisory loss costs exclude all expense provisions except loss adjustment expense.

Exhibit III

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Effective April 1, 2025

CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO
3373	1.65	1.22	0.45	4207	0.88	0.51	0.34	5020	2.51	1.45	0.34
3383	0.60	0.44	0.45	4239	1.15	0.67	0.34	5022	3.16	1.68	0.32
3385	0.45	0.34	0.45	4240	1.09	0.87	0.49	5037	3.76	1.98	0.32
3400	1.16	0.85	0.45	4243	0.88	0.62	0.42	5040	3.41	1.80	0.32
3507	0.90	0.64	0.42	4244	1.00	0.63	0.38	5057	1.95	1.04	0.32
3515	0.71	0.50	0.42	4250	0.80	0.57	0.42	5059	6.46	3.43	0.32
3548	0.67	0.50	0.45	4251	1.25	0.92	0.45	5102	2.60	1.51	0.34
3559	0.83	0.58	0.42	4263	1.48	1.04	0.42	5146	2.08	1.30	0.38
3574	0.41	0.30	0.45	4273	1.05	0.74	0.42	5160	1.10	0.58	0.32
3581	0.45	0.33	0.45	4279	1.32	0.83	0.38	5183	1.46	0.84	0.34
3612	0.68	0.48	0.42	4283	0.85	0.62	0.45	5188	1.64	0.95	0.34
3620	1.16	0.73	0.38	4299	0.79	0.56	0.42	5190	1.48	0.86	0.34
3629	0.63	0.44	0.42	4304	2.01	1.42	0.42	5191	0.40	0.25	0.38
3632	0.89	0.63	0.42	4307	0.67	0.53	0.49	5192	1.21	0.85	0.42
3634	0.67	0.47	0.42	4351	0.65	0.47	0.45	5213	2.62	1.39	0.32
3635	0.60	0.42	0.42	4352	0.60	0.44	0.45	5215	1.97	1.23	0.38
3638	0.77	0.57	0.45	4360	-	0.16	0.38	5221	1.67	0.97	0.34
3642	0.66	0.49	0.45	4361	0.35	0.26	0.45	5222	3.12	1.64	0.32
3643	0.73	0.45	0.38	4410	1.25	0.91	0.45	5223	1.83	1.15	0.38
3647	1.08	0.76	0.42	4420	1.45	0.84	0.34	5348	1.67	1.04	0.38
3648	0.45	0.36	0.49	4431	0.52	0.41	0.49	5402	2.89	2.14	0.45
3681	0.31	0.23	0.45	4432	0.53	0.42	0.49	5403	2.42	1.40	0.34
3685	0.40	0.29	0.45	4452	1.04	0.73	0.42	5437	2.21	1.28	0.34
3719	0.46	0.24	0.32	4459	1.21	0.76	0.38	5443	1.60	1.13	0.42
3724	1.68	0.89	0.32	4470	1.05	0.74	0.42	5445	4.06	2.15	0.32
3726	1.73	0.92	0.32	4484	1.04	0.76	0.45	5462	2.50	1.57	0.38
3803	1.04	0.76	0.45	4493	0.89	0.63	0.42	5472	3.00	1.59	0.32
3807	0.71	0.52	0.45	4511	0.17	0.12	0.42	5473	4.58	2.43	0.32
3808	2.81	1.97	0.42	4557	0.99	0.62	0.38	5474	2.90	1.54	0.32
3821	2.32	1.46	0.38	4558	0.80	0.57	0.42	5478	1.41	0.81	0.34
3822X	1.85	1.38	0.45	4568	1.11	0.70	0.38	5479	2.65	1.67	0.38
3824X	1.59	1.17	0.45	4581	0.36	0.21	0.34	5480	2.65	1.52	0.34
3826	0.31	0.22	0.42	4583	2.15	1.26	0.34	5491	1.10	0.64	0.34
3827	0.72	0.52	0.45	4611	0.39	0.28	0.45	5506	2.14	1.23	0.34
3830	0.62	0.43	0.42	4635	1.31	0.76	0.34	5507	1.89	1.09	0.34
3851	0.76	0.56	0.45	4653	1.07	0.79	0.45	5508	-	1.09	0.34
3865	1.16	0.91	0.49	4665	3.75	2.36	0.38	5535	3.26	1.74	0.32
3881	1.44	1.02	0.42	4670	-	1.08	0.42	5537	1.85	1.16	0.38
4000	2.32	1.34	0.34	4683	1.53	1.08	0.42	5551	6.85	3.65	0.32
4021	1.49	1.05	0.42	4686	0.83	0.52	0.38	5606	0.40	0.21	0.32
4024	1.44	0.91	0.38	4692	0.29	0.21	0.45	5610	2.12	1.33	0.38
4034	3.05	1.93	0.38	4693	0.39	0.28	0.45	5645	6.64	3.54	0.32
4036	0.94	0.59	0.38	4703	0.67	0.47	0.42	5703	6.54	4.17	0.38
4038	1.08	0.85	0.49	4717	0.89	0.71	0.49	5705	8.27	5.24	0.38
4062	1.04	0.73	0.42	4720	0.80	0.57	0.42	5951	0.21	0.15	0.45
4101	1.14	0.81	0.42	4740	0.52	0.28	0.32	6003	2.37	1.37	0.34
4109	0.22	0.16	0.45	4741	1.21	0.85	0.42	6005	2.57	1.62	0.38
4110	0.32	0.23	0.45	4751	1.80	1.14	0.38	6018	1.52	0.94	0.38
4111	0.95	0.69	0.45	4771N	1.14	0.65	0.34	6045	2.08	1.30	0.38
4114	1.21	0.85	0.42	4777	1.34	0.78	0.34	6204	3.03	1.74	0.34
4130	1.43	1.05	0.45	4825	0.37	0.23	0.38	6206	1.23	0.65	0.32
4131	3.37	2.51	0.45	4828	0.80	0.46	0.34	6213	0.96	0.51	0.32
4133	1.09	0.87	0.49	4829	0.54	0.31	0.34	6214	0.68	0.39	0.34
4149	0.33	0.26	0.49	4902	0.83	0.61	0.45	6216	3.11	1.65	0.32
4206	1.02	0.75	0.45	4923	0.44	0.31	0.42	6217	2.07	1.10	0.32

* Refer to the Footnotes Page for additional information on this class code.

ADVISORY LOSS COSTS - NOT RATES

NORTH CAROLINA

Advisory loss costs exclude all expense provisions except loss adjustment expense.

Exhibit III

Page S3

Effective April 1, 2025

CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO
6229	1.78	1.11	0.38	7350F	4.68	2.38	0.30	8047	0.37	0.27	0.45
6233	0.86	0.45	0.32	7360	2.27	1.42	0.38	8058	0.93	0.69	0.45
6235	2.48	1.30	0.32	7370	2.47	1.81	0.45	8072	0.34	0.28	0.49
6236	2.45	1.53	0.38	7380	2.53	1.58	0.38	8102	0.82	0.61	0.45
6237	0.73	0.42	0.34	7382	2.71	1.90	0.42	8103	1.05	0.75	0.42
6251	1.96	1.13	0.34	7390	1.86	1.36	0.45	8106	1.47	0.93	0.38
6252	1.55	0.81	0.32	7394M	2.32	1.20	0.32	8107	1.22	0.71	0.34
6306	1.88	1.09	0.34	7395M	2.58	1.34	0.32	8111	0.89	0.63	0.42
6319	1.47	0.78	0.32	7398M	3.66	1.84	0.32	8116	0.87	0.61	0.42
6325	1.71	0.91	0.32	7402	0.06	0.04	0.45	8203	2.94	2.07	0.42
6400	1.84	1.16	0.38	7403	1.96	1.43	0.45	8204	1.68	1.20	0.42
6503	1.07	0.78	0.45	7405N	0.74	0.54	0.45	8209	1.47	1.08	0.45
6504	1.34	0.99	0.45	7420	3.55	1.84	0.32	8215	1.38	0.87	0.38
6702M*	1.91	1.19	0.38	7421	0.31	0.20	0.38	8227	1.72	1.00	0.34
6703M*	3.01	1.82	0.38	7422	0.50	0.29	0.34	8232	2.28	1.44	0.38
6704M*	2.12	1.32	0.38	7425	1.10	0.62	0.34	8233	1.54	0.95	0.38
6801F	3.09	1.67	0.35	7431N	0.49	0.28	0.34	8235	1.69	1.19	0.42
6811	2.06	1.30	0.38	7445N	0.25	-	-	8236X	2.16	1.25	0.34
6824F	3.34	1.80	0.35	7453N	0.16	-	-	8263	2.50	1.77	0.42
6826F	1.87	1.01	0.35	7502	1.00	0.63	0.38	8264	1.99	1.25	0.38
6834	1.18	0.87	0.45	7515	0.52	0.28	0.32	8265	2.28	1.32	0.34
6836	1.29	0.91	0.42	7520	1.10	0.78	0.42	8279	2.66	1.55	0.34
6843F	4.01	1.91	0.28	7529X	4.61	2.42	0.32	8288	2.73	1.95	0.42
6845F	3.67	1.75	0.28	7538	1.41	0.75	0.32	8291X	1.57	1.11	0.42
6854	2.41	1.39	0.34	7539	0.72	0.42	0.34	8292X	1.44	1.06	0.45
6872F	4.13	1.97	0.28	7540	1.81	0.96	0.32	8293X	3.12	2.28	0.45
6874F	7.22	3.44	0.28	7580	1.26	0.79	0.38	8304	2.27	1.32	0.34
6882	1.37	0.79	0.34	7590	1.70	1.06	0.38	8350	3.02	1.75	0.34
6884	1.49	0.85	0.34	7600	2.41	1.49	0.38	8380	0.84	0.60	0.42
7016M	1.91	1.00	0.32	7605	1.13	0.66	0.34	8381	0.76	0.54	0.42
7024M	2.12	1.11	0.32	7610	0.25	0.16	0.38	8385	1.10	0.77	0.42
7038M	3.19	1.75	0.32	7705	2.44	1.72	0.42	8392	0.88	0.70	0.49
7046M	2.81	1.50	0.32	7710	1.97	1.14	0.34	8393	0.73	0.45	0.38
7047M	3.01	1.53	0.32	7711	1.97	1.14	0.34	8500	2.56	1.63	0.38
7050M	5.03	2.67	0.32	7720X	1.40	0.88	0.38	8601	0.12	0.07	0.34
7090M	3.54	1.94	0.32	7723X	0.95	0.55	0.34	8602	0.56	0.36	0.38
7098M	3.12	1.66	0.32	7855	1.57	0.98	0.38	8603	0.03	0.02	0.45
7099M	4.43	2.28	0.32	8001	0.93	0.69	0.45	8606	0.59	0.35	0.34
7133	1.48	0.87	0.34	8002	0.82	0.61	0.45	8709F	1.89	0.90	0.28
7151M	1.80	1.05	0.34	8006	0.97	0.76	0.49	8719	0.76	0.44	0.34
7152M	2.84	1.61	0.34	8008	0.47	0.37	0.49	8720	0.43	0.25	0.34
7153M	2.00	1.17	0.34	8010	0.71	0.52	0.45	8721	0.12	0.08	0.38
7219	4.27	2.44	0.34	8013	0.14	0.10	0.42	8723	0.05	0.03	0.42
7222X	3.74	2.13	0.34	8015	0.33	0.24	0.42	8725	0.78	0.49	0.38
7225	3.58	2.23	0.38	8017	0.65	0.51	0.49	8726F	1.00	0.54	0.35
7230X	4.01	2.80	0.42	8018	1.40	1.02	0.45	8734M	0.15	0.09	0.38
7231	4.26	2.97	0.42	8021	0.99	0.73	0.45	8737M	0.13	0.08	0.38
7232X	5.23	2.97	0.34	8031	0.77	0.57	0.45	8738M	0.21	0.13	0.38
7309F	4.13	1.97	0.28	8032	0.76	0.56	0.45	8742	0.11	0.07	0.38
7313F	1.82	0.87	0.28	8033	0.78	0.62	0.49	8745	1.69	1.21	0.42
7317F	3.49	1.66	0.28	8037	0.69	0.57	0.51	8748	0.21	0.12	0.34
7327F	7.49	3.57	0.28	8039	0.81	0.65	0.49	8755	0.14	0.08	0.38
7333M	1.31	0.69	0.32	8044	1.11	0.81	0.45	8799	0.23	0.17	0.45
7335M	1.46	0.76	0.32	8045	0.32	0.24	0.45	8800	0.72	0.53	0.45
7337M	2.07	1.05	0.32	8046	1.04	0.77	0.45	8803	0.02	0.01	0.38

* Refer to the Footnotes Page for additional information on this class code.

ADVISORY LOSS COSTS - NOT RATES

NORTH CAROLINA

Advisory loss costs exclude all expense provisions except loss adjustment expense.

Exhibit III

Page S4

Effective April 1, 2025

CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO
8805M	0.07	0.05	0.45	9410	1.06	0.79	0.45				
8810	0.05	0.03	0.45	9501	1.21	0.76	0.38				
8814M	0.06	0.05	0.45	9505	1.53	1.09	0.42				
8815M	0.10	0.06	0.45	9516	0.97	0.68	0.42				
8820	0.04	0.03	0.38	9519	1.81	1.14	0.38				
8824	1.02	0.85	0.51	9521	1.32	0.83	0.38				
8825	-	0.66	0.49	9522	0.88	0.69	0.49				
8826	0.82	0.66	0.49	9534	2.33	1.24	0.32				
8831	0.52	0.44	0.51	9554	3.79	2.20	0.34				
8832	0.13	0.10	0.45	9586	0.19	0.15	0.49				
8833	0.44	0.32	0.45	9600	0.93	0.68	0.45				
8835	0.91	0.66	0.45	9620	0.66	0.42	0.38				
8842X	0.89	0.74	0.51								
8848	-	0.85	0.51								
8849	-	0.85	0.51								
8855	0.04	0.03	0.45								
8856	0.25	0.18	0.45								
8864X	0.41	0.32	0.49								
8868	0.20	0.16	0.49								
8869	0.45	0.36	0.49								
8871	0.02	0.02	0.45								
8901	0.08	0.05	0.38								
9012	0.37	0.23	0.38								
9014	1.13	0.83	0.45								
9015	1.14	0.80	0.42								
9016	0.81	0.61	0.45								
9019	1.55	0.98	0.38								
9033	0.82	0.58	0.42								
9040	1.17	0.92	0.49								
9044	0.53	0.42	0.49								
9052	0.59	0.47	0.49								
9058	0.59	0.49	0.51								
9060	0.57	0.46	0.49								
9061	0.48	0.38	0.49								
9062	0.49	0.39	0.49								
9063	0.29	0.23	0.49								
9077F	3.09	1.86	0.42								
9082	0.48	0.40	0.51								
9083	0.50	0.42	0.51								
9084	0.49	0.39	0.49								
9089	0.40	0.32	0.49								
9093	0.51	0.41	0.49								
9101	1.23	0.98	0.49								
9102	1.21	0.85	0.42								
9154	0.70	0.52	0.45								
9156	0.79	0.62	0.49								
9170	4.04	2.34	0.34								
9178	2.56	2.22	0.51								
9179	8.07	6.67	0.51								
9180	1.90	1.36	0.42								
9182	0.90	0.67	0.45								
9186	3.66	2.15	0.34								
9220	1.97	1.40	0.42								
9402	2.35	1.35	0.34								
9403	3.45	1.98	0.34								

* Refer to the Footnotes Page for additional information on this class code.

Effective April 1, 2025

FOOTNOTES

- F Advisory loss cost provides for coverage under the United States Longshore and Harbor Workers Compensation Act and its extensions. Loss cost contains a provision for USL&HW Assessment.
- M Risks are subject to Admiralty Law or Federal Employers Liability Act (FELA). However, the published loss cost is for risks that voluntarily purchase standard workers compensation and employers liability coverage. A provision for the USL&HW Assessment is included for those classifications under Program II USL Act.
- N This code is part of a ratable / non-ratable group shown below. The statistical non-ratable code and corresponding advisory loss cost are applied in addition to the basic classification when determining premium.

Class Code	Non-Ratable Element Code
4771	0771
7405	7445
7431	7453

- P Classification is computed on a per capita basis.
- X Refer to special classification phraseology in these pages which is applicable in this state.

*** Class Codes with Specific Footnotes**

- 2705 An upset payroll of \$4.00 per cord shall be used for premium computation purposes in all instances.
- 6702 Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way - no work on elevated railroads. Otherwise, assign appropriate construction or erection code loss cost and elr each x 1.215.
- 6703 Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way - no work on elevated railroads. Otherwise, assign appropriate construction or erection class loss cost x 1.917 and elr x 1.856.
- 6704 Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way - no work on elevated railroads. Otherwise, assign appropriate construction or erection class loss cost and elr each x 1.35.

Effective April 1, 2025

ADVISORY MISCELLANEOUS VALUES

Advisory Loss Elimination Ratios - The following percentages represent the portion of total loss eliminated per claim and are applicable by hazard group. They do not include a safety factor.

Deductible Amount	Advisory Loss Elimination Ratios						
	HAZARD GROUP						
	A	B	C	D	E	F	G
\$100	1.3%	1.0%	0.7%	0.6%	0.4%	0.2%	0.2%
\$200	2.3%	1.9%	1.3%	1.1%	0.7%	0.5%	0.3%
\$300	3.3%	2.6%	1.9%	1.5%	1.0%	0.7%	0.5%
\$400	4.1%	3.3%	2.4%	1.9%	1.3%	0.9%	0.7%
\$500	4.8%	3.8%	2.8%	2.3%	1.6%	1.1%	0.8%
\$1,000	7.6%	6.1%	4.6%	3.8%	2.7%	1.9%	1.4%
\$1,500	9.8%	7.7%	6.0%	5.0%	3.6%	2.6%	2.0%
\$2,000	11.5%	9.2%	7.2%	6.0%	4.4%	3.2%	2.5%
\$2,500	13.0%	10.4%	8.2%	6.9%	5.2%	3.8%	3.0%
\$5,000	18.6%	15.2%	12.4%	10.7%	8.2%	6.3%	5.1%

Basis of premium applicable in accordance with **Basic Manual** footnote instructions for Code 7370 --"Taxicab Co.":

Employee operated vehicle.....	\$94,300
Leased or rented vehicle.....	\$62,900

Catastrophe (other than Certified Acts of Terrorism) - (Advisory Loss Cost)..... \$0.01

Maximum Weekly Payroll applicable in accordance with **Basic Manual** Rule 2-E-1 -- "Executive Officers" and the **Basic Manual** footnote instructions for Code 9178 -- "Athletic Sports or Park: Non-Contact Sports," and Code 9179 -- "Athletic Sports or Park: Contact Sports"..... \$2,400

Minimum Weekly Payroll applicable in accordance with **Basic Manual** Rule 2-E-1 -- "Executive Officers" \$1,200

Premium Determination for Partners and Sole Proprietors in accordance with **Basic Manual** Rule 2-E-3 (Annual Payroll)..... \$62,900

Terrorism - (Advisory Loss Cost) \$0.005

United States Longshore and Harbor Workers' Compensation Coverage Percentage applicable only in connection with **Basic Manual** Rule 3-A-4..... 56%

(Multiply a Non-F classification loss cost by a factor of 1.56 to adjust for differences in benefits and loss-based expenses. This factor is the product of the adjustment for differences in benefits (1.50) and the adjustment for differences in loss-based expenses (1.038).)

Experience Rating Eligibility

A risk is eligible for experience rating when the payrolls or other exposures developed in the last year or last two years of the experience period produced a premium of at least \$14,500. If more than two years, an average annual premium of at least \$7,250 is required. These amounts are applicable for ratings effective April 1, 2025, and subsequent. The **Experience Rating Plan Manual** should be referenced for the latest approved eligibility amounts by state.

Effective April 1, 2025
TABLE OF WEIGHTING VALUES
APPLICABLE TO ALL POLICIES

Expected Losses		Weighting Values	Expected Losses		Weighting Values		
0	--	2,466	0.14	1,390,327	--	1,460,259	0.49
2,467	--	6,947	0.15	1,460,260	--	1,533,955	0.50
6,948	--	11,536	0.16	1,533,956	--	1,611,724	0.51
11,537	--	16,236	0.17	1,611,725	--	1,693,915	0.52
16,237	--	17,876	0.18	1,693,916	--	1,780,918	0.53
17,877	--	20,218	0.17	1,780,919	--	1,873,168	0.54
20,219	--	23,417	0.16	1,873,169	--	1,971,155	0.55
23,418	--	28,231	0.15	1,971,156	--	2,075,433	0.56
28,232	--	37,391	0.14	2,075,434	--	2,186,627	0.57
37,392	--	85,924	0.13	2,186,628	--	2,305,451	0.58
85,925	--	115,464	0.14	2,305,452	--	2,432,717	0.59
115,465	--	141,261	0.15	2,432,718	--	2,569,361	0.60
141,262	--	166,075	0.16	2,569,362	--	2,716,457	0.61
166,076	--	190,691	0.17	2,716,458	--	2,875,255	0.62
190,692	--	215,468	0.18	2,875,256	--	3,047,208	0.63
215,469	--	240,610	0.19	3,047,209	--	3,234,023	0.64
240,611	--	266,254	0.20	3,234,024	--	3,437,715	0.65
266,255	--	292,502	0.21	3,437,716	--	3,660,678	0.66
292,503	--	319,438	0.22	3,660,679	--	3,905,785	0.67
319,439	--	347,136	0.23	3,905,786	--	4,176,508	0.68
347,137	--	374,448	0.24	4,176,509	--	4,477,082	0.69
374,449	--	401,289	0.25	4,477,083	--	4,812,738	0.70
401,290	--	428,975	0.26	4,812,739	--	5,189,997	0.71
428,976	--	457,553	0.27	5,189,998	--	5,617,105	0.72
457,554	--	487,071	0.28	5,617,106	--	6,104,642	0.73
487,072	--	517,583	0.29	6,104,643	--	6,666,411	0.74
517,584	--	549,142	0.30	6,666,412	--	7,320,764	0.75
549,143	--	581,807	0.31	7,320,765	--	8,092,646	0.76
581,808	--	615,641	0.32	8,092,647	--	9,016,845	0.77
615,642	--	650,710	0.33	9,016,846	--	10,143,385	0.78
650,711	--	687,085	0.34	10,143,386	--	11,546,886	0.79
687,086	--	724,844	0.35	11,546,887	--	13,343,804	0.80
724,845	--	764,068	0.36	13,343,805	--	15,726,521	0.81
764,069	--	804,846	0.37	15,726,522	--	19,037,288	0.82
804,847	--	847,273	0.38	19,037,289	--	23,949,440	0.83
847,274	--	891,455	0.39	23,949,441	--	31,995,477	0.84
891,456	--	937,504	0.40	31,995,478	--	47,579,284	0.85
937,505	--	985,540	0.41	47,579,285	--	90,627,030	0.86
985,541	--	1,035,698	0.42	90,627,031	--	772,105,754	0.87
1,035,699	--	1,088,121	0.43	772,105,755	--	AND OVER	0.88
1,088,122	--	1,142,969	0.44				
1,142,970	--	1,200,413	0.45				
1,200,414	--	1,260,645	0.46				
1,260,646	--	1,323,873	0.47				
1,323,874	--	1,390,326	0.48				

(a) G	11.40
(b) State Per Claim Accident Limitation	\$185,000
(c) State Multiple Claim Accident Limitation	\$370,000
(d) USL&HW Per Claim Accident Limitation	\$308,500
(e) USL&HW Multiple Claim Accident Limitation	\$617,000
(f) Employers Liability Accident Limitation	\$55,000
(g) Primary/Excess Loss Split Point	\$25,500
(h) USL&HW Act -- Expected Loss Factor -- Non-F Classes	1.50
<i>(Multiply a Non-F classification ELR by the USL&HW Act - Expected Loss Factor of 1.50.)</i>	

Effective April 1, 2025

**TABLE OF BALLAST VALUES
APPLICABLE TO ALL POLICIES**

Expected Losses	Ballast Values	Expected Losses	Ballast Values	Expected Losses	Ballast Values
0 -- 411,346	52,440	3,863,518 -- 3,965,276	251,940	7,425,522 -- 7,527,300	451,440
411,347 -- 511,284	58,140	3,965,277 -- 4,067,037	257,640	7,527,301 -- 7,629,078	457,140
511,285 -- 611,814	63,840	4,067,038 -- 4,168,799	263,340	7,629,079 -- 7,730,857	462,840
611,815 -- 712,692	69,540	4,168,800 -- 4,270,562	269,040	7,730,858 -- 7,832,636	468,540
712,693 -- 813,792	75,240	4,270,563 -- 4,372,326	274,740	7,832,637 -- 7,934,415	474,240
813,793 -- 915,041	80,940	4,372,327 -- 4,474,090	280,440	7,934,416 -- 8,036,195	479,940
915,042 -- 1,016,397	86,640	4,474,091 -- 4,575,856	286,140	8,036,196 -- 8,137,974	485,640
1,016,398 -- 1,117,829	92,340	4,575,857 -- 4,677,623	291,840	8,137,975 -- 8,239,754	491,340
1,117,830 -- 1,219,320	98,040	4,677,624 -- 4,779,391	297,540	8,239,755 -- 8,341,534	497,040
1,219,321 -- 1,320,856	103,740	4,779,392 -- 4,881,159	303,240	8,341,535 -- 8,443,313	502,740
1,320,857 -- 1,422,427	109,440	4,881,160 -- 4,982,928	308,940	8,443,314 -- 8,545,094	508,440
1,422,428 -- 1,524,027	115,140	4,982,929 -- 5,084,698	314,640	8,545,095 -- 8,646,874	514,140
1,524,028 -- 1,625,650	120,840	5,084,699 -- 5,186,468	320,340	8,646,875 -- 8,748,654	519,840
1,625,651 -- 1,727,292	126,540	5,186,469 -- 5,288,239	326,040	8,748,655 -- 8,850,435	525,540
1,727,293 -- 1,828,950	132,240	5,288,240 -- 5,390,010	331,740	8,850,436 -- 8,952,215	531,240
1,828,951 -- 1,930,621	137,940	5,390,011 -- 5,491,782	337,440	8,952,216 -- 9,053,996	536,940
1,930,622 -- 2,032,304	143,640	5,491,783 -- 5,593,555	343,140	9,053,997 -- 9,155,777	542,640
2,032,305 -- 2,133,996	149,340	5,593,556 -- 5,695,328	348,840	9,155,778 -- 9,257,558	548,340
2,133,997 -- 2,235,697	155,040	5,695,329 -- 5,797,101	354,540	9,257,559 -- 9,359,339	554,040
2,235,698 -- 2,337,405	160,740	5,797,102 -- 5,898,875	360,240	9,359,340 -- 9,461,120	559,740
2,337,406 -- 2,439,120	166,440	5,898,876 -- 6,000,649	365,940	9,461,121 -- 9,562,901	565,440
2,439,121 -- 2,540,840	172,140	6,000,650 -- 6,102,424	371,640	9,562,902 -- 9,664,682	571,140
2,540,841 -- 2,642,566	177,840	6,102,425 -- 6,204,199	377,340	9,664,683 -- 9,766,464	576,840
2,642,567 -- 2,744,295	183,540	6,204,200 -- 6,305,974	383,040	9,766,465 -- 9,868,245	582,540
2,744,296 -- 2,846,029	189,240	6,305,975 -- 6,407,750	388,740	9,868,246 -- 9,970,027	588,240
2,846,030 -- 2,947,767	194,940	6,407,751 -- 6,509,526	394,440	9,970,028 -- 10,070,760	593,940
2,947,768 -- 3,049,507	200,640	6,509,527 -- 6,611,302	400,140		
3,049,508 -- 3,151,251	206,340	6,611,303 -- 6,713,078	405,840		
3,151,252 -- 3,252,997	212,040	6,713,079 -- 6,814,855	411,540		
3,252,998 -- 3,354,745	217,740	6,814,856 -- 6,916,632	417,240		
3,354,746 -- 3,456,496	223,440	6,916,633 -- 7,018,410	422,940		
3,456,497 -- 3,558,249	229,140	7,018,411 -- 7,120,187	428,640		
3,558,250 -- 3,660,003	234,840	7,120,188 -- 7,221,965	434,340		
3,660,004 -- 3,761,759	240,540	7,221,966 -- 7,323,743	440,040		
3,761,760 -- 3,863,517	246,240	7,323,744 -- 7,425,521	445,740		

For Expected Losses greater than \$10,070,760, the Ballast Value can be calculated using the following formula (rounded to the nearest 1):

$$\text{Ballast} = (0.056)(\text{Expected Losses}) + 2876.4(\text{Expected Losses})(11.40) / (\text{Expected Losses} + (600)(11.40))$$

G = 11.40

**RETROSPECTIVE RATING PLAN MANUAL
STATE SPECIAL RATING VALUES**

**NORTH CAROLINA
RR 1**

Effective April 1, 2025

Exhibit III

1. Average Cost per Case by Hazard Group

A	B	C	D	E	F	G
7,513	9,135	13,208	16,518	24,885	38,906	54,884

Average Cost per Case including ALAE by Hazard Group

A	B	C	D	E	F	G
8,368	10,161	14,670	18,334	27,543	43,010	60,646

2.

Excess Loss Pure Premium Factors
(Applicable to New and Renewal Policies)

Per Accident Limitation	Hazard Groups						
	A	B	C	D	E	F	G
\$10,000	0.614	0.649	0.679	0.697	0.726	0.747	0.762
\$15,000	0.566	0.604	0.639	0.659	0.694	0.719	0.737
\$20,000	0.527	0.567	0.605	0.627	0.667	0.694	0.716
\$25,000	0.494	0.535	0.576	0.599	0.642	0.672	0.696
\$30,000	0.466	0.507	0.550	0.575	0.621	0.653	0.678
\$35,000	0.441	0.483	0.527	0.552	0.601	0.634	0.662
\$40,000	0.420	0.462	0.507	0.532	0.583	0.618	0.647
\$50,000	0.383	0.425	0.472	0.498	0.552	0.588	0.619
\$75,000	0.319	0.359	0.406	0.432	0.491	0.529	0.564
\$100,000	0.275	0.314	0.361	0.386	0.446	0.485	0.521
\$125,000	0.243	0.281	0.327	0.350	0.412	0.451	0.486
\$150,000	0.219	0.254	0.299	0.322	0.384	0.422	0.458
\$175,000	0.199	0.233	0.277	0.299	0.361	0.399	0.433
\$200,000	0.182	0.215	0.259	0.280	0.341	0.378	0.412
\$225,000	0.168	0.200	0.243	0.263	0.324	0.361	0.394
\$250,000	0.157	0.188	0.229	0.248	0.309	0.345	0.378
\$275,000	0.147	0.176	0.217	0.236	0.296	0.331	0.363
\$300,000	0.138	0.167	0.206	0.224	0.284	0.318	0.350
\$325,000	0.130	0.158	0.197	0.214	0.273	0.307	0.338
\$350,000	0.123	0.150	0.188	0.205	0.263	0.296	0.327
\$375,000	0.117	0.143	0.181	0.197	0.254	0.287	0.316
\$400,000	0.111	0.137	0.174	0.189	0.246	0.278	0.307
\$425,000	0.106	0.131	0.167	0.182	0.238	0.270	0.298
\$450,000	0.102	0.126	0.161	0.176	0.231	0.262	0.290
\$475,000	0.097	0.121	0.156	0.170	0.225	0.255	0.282
\$500,000	0.093	0.117	0.151	0.165	0.219	0.248	0.275
\$600,000	0.081	0.102	0.134	0.147	0.198	0.226	0.251
\$700,000	0.071	0.091	0.121	0.132	0.181	0.208	0.231
\$800,000	0.064	0.082	0.111	0.121	0.168	0.193	0.215
\$900,000	0.058	0.075	0.102	0.112	0.157	0.180	0.201
\$1,000,000	0.053	0.069	0.095	0.104	0.147	0.170	0.189
\$2,000,000	0.029	0.039	0.057	0.062	0.094	0.110	0.124
\$3,000,000	0.019	0.027	0.040	0.045	0.069	0.083	0.093
\$4,000,000	0.014	0.020	0.031	0.035	0.054	0.066	0.075
\$5,000,000	0.011	0.016	0.024	0.028	0.044	0.054	0.062
\$6,000,000	0.009	0.013	0.020	0.023	0.037	0.045	0.052
\$7,000,000	0.007	0.010	0.016	0.019	0.031	0.039	0.045
\$8,000,000	0.006	0.009	0.014	0.016	0.026	0.033	0.039
\$9,000,000	0.005	0.007	0.012	0.013	0.022	0.029	0.034
\$10,000,000	0.004	0.006	0.010	0.012	0.019	0.025	0.030

Effective April 1, 2025

**Excess Loss and Allocated
Expense Pure Premium Factors**
(Applicable to New and Renewal Policies)

Per Accident Limitation	Hazard Groups						
	A	B	C	D	E	F	G
\$10,000	0.693	0.730	0.762	0.781	0.811	0.834	0.849
\$15,000	0.641	0.682	0.719	0.741	0.777	0.804	0.823
\$20,000	0.599	0.642	0.683	0.707	0.748	0.778	0.801
\$25,000	0.563	0.607	0.651	0.677	0.722	0.754	0.780
\$30,000	0.532	0.578	0.623	0.650	0.699	0.733	0.761
\$35,000	0.506	0.551	0.599	0.626	0.678	0.714	0.743
\$40,000	0.482	0.528	0.576	0.604	0.658	0.696	0.727
\$50,000	0.442	0.488	0.538	0.566	0.624	0.663	0.697
\$75,000	0.370	0.415	0.466	0.494	0.557	0.599	0.637
\$100,000	0.322	0.364	0.415	0.443	0.508	0.551	0.590
\$125,000	0.286	0.327	0.377	0.403	0.470	0.512	0.552
\$150,000	0.258	0.297	0.347	0.372	0.439	0.481	0.520
\$175,000	0.236	0.274	0.322	0.346	0.413	0.455	0.493
\$200,000	0.217	0.254	0.301	0.325	0.391	0.432	0.470
\$225,000	0.202	0.237	0.283	0.306	0.372	0.412	0.450
\$250,000	0.188	0.222	0.268	0.290	0.355	0.395	0.432
\$275,000	0.177	0.210	0.254	0.275	0.341	0.379	0.415
\$300,000	0.166	0.199	0.242	0.263	0.327	0.365	0.401
\$325,000	0.157	0.189	0.232	0.251	0.315	0.353	0.387
\$350,000	0.149	0.180	0.222	0.241	0.304	0.341	0.375
\$375,000	0.142	0.172	0.213	0.232	0.294	0.330	0.364
\$400,000	0.135	0.164	0.205	0.223	0.285	0.320	0.353
\$425,000	0.130	0.158	0.198	0.215	0.276	0.311	0.343
\$450,000	0.124	0.152	0.191	0.208	0.268	0.303	0.334
\$475,000	0.119	0.146	0.185	0.201	0.261	0.295	0.326
\$500,000	0.115	0.141	0.179	0.195	0.254	0.287	0.318
\$600,000	0.099	0.124	0.160	0.174	0.230	0.262	0.290
\$700,000	0.088	0.110	0.144	0.157	0.212	0.241	0.268
\$800,000	0.079	0.100	0.132	0.144	0.196	0.225	0.249
\$900,000	0.072	0.091	0.122	0.133	0.183	0.210	0.234
\$1,000,000	0.065	0.084	0.113	0.124	0.172	0.198	0.220
\$2,000,000	0.035	0.048	0.068	0.075	0.110	0.129	0.145
\$3,000,000	0.024	0.033	0.048	0.054	0.082	0.097	0.110
\$4,000,000	0.018	0.025	0.037	0.041	0.064	0.078	0.088
\$5,000,000	0.014	0.019	0.030	0.033	0.052	0.064	0.073
\$6,000,000	0.011	0.016	0.024	0.027	0.044	0.054	0.062
\$7,000,000	0.009	0.013	0.020	0.023	0.037	0.046	0.053
\$8,000,000	0.007	0.011	0.017	0.019	0.032	0.040	0.046
\$9,000,000	0.006	0.009	0.014	0.017	0.027	0.035	0.041
\$10,000,000	0.005	0.008	0.012	0.014	0.024	0.030	0.036

3.

Retrospective Pure Premium Development Factors

With Loss Limit			Without Loss Limit			4th & Subsequent Adjustment
1st Adj.	2nd Adj.	3rd Adj.	1st Adj.	2nd Adj.	3rd Adj.	
0.05	0.03	0.02	0.18	0.10	0.07	0.00

NATIONAL COUNCIL ON COMPENSATION INSURANCE, INC.

NORTH CAROLINA—UPDATE TO EXPERIENCE RATING PREMIUM ELIGIBILITY AMOUNTS

EXPERIENCE RATING PLAN MANUAL—2003 EDITION RULE 2—EXPERIENCE RATING ELEMENTS AND FORMULA A. PREMIUM ELIGIBILITY

2. State Subject Premium Eligibility Amounts

A risk qualifies for experience rating when its subject premium, developed in its experience period, meets or exceeds the minimum eligibility amount shown in the State Table of Subject Premium Eligibility Amounts in Rule 2-A-2-c. *Refer to Rule 2-E-1 to determine a risk's experience period.*

- a. A risk qualifies for experience rating if its data within the most recent 24 months of the experience period develops a subject premium of at least the amount shown in Column A.
- b. A risk may not qualify according to Rule 2-A-2-a. If it has more than the amount of experience referenced in Rule 2-A-2-a, then to qualify for experience rating the risk must develop an average annual subject premium of at least the amount shown in Column B. *Refer to Rule 2-A-3 to determine average annual subject premium.*
- c. A risk's rating effective date determines the applicable Column A and Column B subject premium eligibility amounts required to qualify for experience rating. *Refer to Rule 2-B for rating effective date determination.*

State Table of Subject Premium Eligibility Amounts

State	Rating Effective Date	Column A (\$)	Column B (\$)
NC	<u>4/1/25 and after</u>	<u>14,500</u>	<u>7,250</u>
	<u>4/1/24 - 3/31/25</u>	13,500	6,750
	4/1/23 - 3/31/24	12,500	6,250

NOTE: This exhibit revises the North Carolina experience rating subject premium eligibility amounts shown in the State Table of Subject Premium Eligibility Amounts in NCCI's *Experience Rating Plan Manual* national Rule 2-A-2-c. The content shown in this table is not a complete replacement of the existing State Table of Subject Premium Eligibility Amounts. The premium eligibility amounts are applicable to all policies.

NORTH CAROLINA

APPENDIX A-I

Determination of Policy Year On-level Factors

Section A - Factor Adjusting 2022 Policy Year Assigned Risk Premium to Present Assigned Risk Level

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Rate Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)	Adj. For Expense Constant Removal @	Adj. For Expense Removal	Adj. For MPM Removal*	Premium Adjustment Factor (5)x(6)x(7)x(8)
Date									
NR 04/01/21	Base	1.000	0.306	0.306	0.840	0.942	0.858	0.949	0.644
NR 04/01/22	1.020	1.020	0.694	0.708					
NR 04/01/23	0.992	1.012							
NR 04/01/24	0.842	0.852							
				<u>1.014</u>					

Section B - Factor Adjusting 2022 Policy Year Voluntary Premium to Present Voluntary Level

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Loss Cost Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)	Adj. For Expense Constant Removal @	Adj. For MPM Removal*	Premium Adjustment Factor (5)x(6)x(7)
Date								
NR 04/01/21	Base	1.000	0.306	0.306	0.845	1.000	1.000	0.845
NR 04/01/22	0.947	0.947	0.694	0.657				
NR 04/01/23	0.952	0.902						
NR 04/01/24	0.902	0.814						
				<u>0.963</u>				

Section C - Factor Adjusting 2022 Policy Year Assigned Risk Premium and Voluntary Premium to Present Statewide Level

(1) Assigned Risk Market Share PY 2022	0.080
(2) Voluntary Market Share PY 2022	0.920
(3) Assigned Risk Standard Premium Adjustment Factor (See Sec. A)	0.644
(4) Voluntary Standard Premium Adjustment Factor (See Sec. B)	0.845
(5) Premium Adjustment Factor = [(1)x(3)]/2.476+(2)x(4) #	0.798

NR New and renewal business.

@ Eliminates premium derived from expense constants.

Current premium index (assigned risk-to-voluntary) = 2.476

* Eliminates premium derived from minimum premiums.

NORTH CAROLINA

APPENDIX A-I

Determination of Policy Year On-level Factors

Section D - Factor Adjusting 2022 Policy Year Indemnity Losses to Present Benefit Level

	(1)	(2)	(3)	(4)	(5)
Date	Benefit Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)
01/01/22	Base	1.000	0.356	0.356	1.000
10/01/22	1.000	1.000	0.234	0.234	
01/01/23	1.000	1.000	0.410	<u>0.410</u>	
				1.000	

Section E - Factor Adjusting 2022 Policy Year Medical Losses to Present Benefit Level

	(1)	(2)	(3)	(4)	(5)
Date	Benefit Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)
01/01/22	Base	1.000	0.356	0.356	1.004
10/01/22	1.002	1.002	0.234	0.234	
01/01/23	1.004	1.006	0.410	<u>0.412</u>	
				1.002	

NORTH CAROLINA

APPENDIX A-I

Determination of Policy Year On-level Factors

Section F - Factor Adjusting 2021 Policy Year Assigned Risk Premium to Present Assigned Risk Level

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Rate Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)	Adj. For Expense Constant Removal @	Adj. For Expense Removal	Adj. For MPM Removal*	Premium Adjustment Factor (5)x(6)x(7)x(8)
Date									
NR 04/01/20	Base	1.000	0.306	0.306	0.840	0.938	0.858	0.949	0.642
NR 04/01/21	0.958	0.958	0.694	0.665					
NR 04/01/22	1.020	0.977							
NR 04/01/23	0.992	0.969							
NR 04/01/24	0.842	0.816							
				<u>0.971</u>					

Section G - Factor Adjusting 2021 Policy Year Voluntary Premium to Present Voluntary Level

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Loss Cost Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)	Adj. For Expense Constant Removal @	Adj. For MPM Removal*	Premium Adjustment Factor (5)x(6)x(7)
Date								
NR 04/01/20	Base	1.000	0.306	0.306	0.803	1.000	1.000	0.803
NR 04/01/21	0.961	0.961	0.694	0.667				
NR 04/01/22	0.947	0.910						
NR 04/01/23	0.952	0.866						
NR 04/01/24	0.902	0.781						
				<u>0.973</u>				

Section H - Factor Adjusting 2021 Policy Year Assigned Risk Premium and Voluntary Premium to Present Statewide Level

(1) Assigned Risk Market Share PY 2021	0.081
(2) Voluntary Market Share PY 2021	0.919
(3) Assigned Risk Standard Premium Adjustment Factor (See Sec. F)	0.642
(4) Voluntary Standard Premium Adjustment Factor (See Sec. G)	0.803
(5) Premium Adjustment Factor = [(1)x(3)]/2.476+(2)x(4) #	0.759

NR New and renewal business.

@ Eliminates premium derived from expense constants.

Current premium index (assigned risk-to-voluntary) = 2.476

* Eliminates premium derived from minimum premiums.

NORTH CAROLINA

APPENDIX A-I

Determination of Policy Year On-level Factors

Section I - Factor Adjusting 2021 Policy Year Indemnity Losses to Present Benefit Level

	(1)	(2)	(3)	(4)	(5)
Date	Benefit Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)
01/01/21	Base	1.000	0.356	0.356	1.000
10/01/21	1.000	1.000	0.234	0.234	
01/01/22	1.000	1.000	0.394	0.394	
10/01/22	1.000	1.000	0.016	0.016	
01/01/23	1.000	1.000		<u>1.000</u>	

Section J - Factor Adjusting 2021 Policy Year Medical Losses to Present Benefit Level

	(1)	(2)	(3)	(4)	(5)
Date	Benefit Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)
01/01/21	Base	1.000	0.356	0.356	1.009
10/01/21	1.002	1.002	0.234	0.234	
01/01/22	1.003	1.005	0.394	0.396	
10/01/22	1.002	1.007	0.016	0.016	
01/01/23	1.004	1.011		<u>1.002</u>	

NORTH CAROLINA

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section A - Premium and Loss Summary Valued as of 12/31/2023

Policy Year 2022

(1) Standard Earned Premium	\$906,341,231
(2) Factor to Develop Premium to Ultimate	1.015
(3) Standard Earned Premium Developed to Ultimate = (1)x(2)	\$919,936,349
(4) Limited Indemnity Paid Losses	\$132,106,800
(5) Limited Indemnity Paid Development Factor to Ultimate	2.800
(6) Limited Indemnity Paid Losses Developed to Ultimate = (4)x(5)	\$369,899,040
(7) Limited Indemnity Paid+Case Losses	\$241,688,851
(8) Limited Indemnity Paid+Case Development Factor to Ultimate	1.474
(9) Limited Indemnity Paid+Case Losses Developed to Ultimate = (7)x(8)	\$356,249,366
(10) Policy Year 2022 Limited Indemnity Losses Developed to Ultimate = [(6)+(9)]/2	\$363,074,203
(11) Limited Medical Paid Losses	\$174,570,094
(12) Limited Medical Paid Development Factor to Ultimate	1.696
(13) Limited Medical Paid Losses Developed to Ultimate = (11)x(12)	\$296,070,879
(14) Limited Medical Paid+Case Losses	\$311,591,600
(15) Limited Medical Paid+Case Development Factor to Ultimate	0.944
(16) Limited Medical Paid+Case Losses Developed to Ultimate = (14)x(15)	\$294,142,470
(17) Policy Year 2022 Limited Medical Losses Developed to Ultimate = [(13)+(16)]/2	\$295,106,675

Policy Year 2021

(1) Standard Earned Premium	\$876,692,395
(2) Factor to Develop Premium to Ultimate	1.001
(3) Standard Earned Premium Developed to Ultimate = (1)x(2)	\$877,569,087
(4) Limited Indemnity Paid Losses	\$222,027,702
(5) Limited Indemnity Paid Development Factor to Ultimate	1.520
(6) Limited Indemnity Paid Losses Developed to Ultimate = (4)x(5)	\$337,482,107
(7) Limited Indemnity Paid+Case Losses	\$291,748,384
(8) Limited Indemnity Paid+Case Development Factor to Ultimate	1.156
(9) Limited Indemnity Paid+Case Losses Developed to Ultimate = (7)x(8)	\$337,261,132
(10) Policy Year 2021 Limited Indemnity Losses Developed to Ultimate = [(6)+(9)]/2	\$337,371,620
(11) Limited Medical Paid Losses	\$224,926,571
(12) Limited Medical Paid Development Factor to Ultimate	1.279
(13) Limited Medical Paid Losses Developed to Ultimate = (11)x(12)	\$287,681,084
(14) Limited Medical Paid+Case Losses	\$295,251,541
(15) Limited Medical Paid+Case Development Factor to Ultimate	0.954
(16) Limited Medical Paid+Case Losses Developed to Ultimate = (14)x(15)	\$281,669,970
(17) Policy Year 2021 Limited Medical Losses Developed to Ultimate = [(13)+(16)]/2	\$284,675,527

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Determination of Premium and Losses Developed to an Ultimate Report

Section B - Premium Development Factors

<u>Policy Year</u>	<u>1st/2nd</u>	<u>Policy Year</u>	<u>2nd/3rd</u>	<u>Policy Year</u>	<u>3rd/4th</u>	<u>Policy Year</u>	<u>4th/5th</u>
2019	1.004	2018	1.000	2017	1.000	2016	1.000
2020	1.012	2019	1.001	2018	1.001	2017	1.000
2021	1.025	2020	1.001	2019	1.000	2018	1.000
Average	1.014	Average	1.001	Average	1.000	Average	1.000

Summary of Premium Development Factors

<u>1st/5th</u>	<u>2nd/5th</u>	<u>3rd/5th</u>	<u>4th/5th</u>
1.015	1.001	1.000	1.000

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Determination of Premium and Losses Developed to an Ultimate Report

Section C1 - Limited Indemnity Paid Loss Development Factors

<u>Policy Year</u>	<u>1st/2nd</u>	<u>Policy Year</u>	<u>2nd/3rd</u>	<u>Policy Year</u>	<u>3rd/4th</u>	<u>Policy Year</u>	<u>4th/5th</u>
2020	1.828	2019	1.241	2018	1.078	2017	1.033
2021	1.856	2020	1.233	2019	1.094	2018	1.037
Average	1.842	Average	1.237	Average	1.086	Average	1.035
<u>Policy Year</u>	<u>5th/6th</u>	<u>Policy Year</u>	<u>6th/7th</u>	<u>Policy Year</u>	<u>7th/8th</u>	<u>Policy Year</u>	<u>8th/9th</u>
2016	1.017	2015	1.010	2014	1.007	2013	1.003
2017	1.019	2016	1.012	2015	1.008	2014	1.010
Average	1.018	Average	1.011	Average	1.008	Average	1.007
<u>Policy Year</u>	<u>9th/10th</u>	<u>Policy Year</u>	<u>10th/11th</u>	<u>Policy Year</u>	<u>11th/12th</u>	<u>Policy Year</u>	<u>12th/13th</u>
2012	1.003	2011	1.002	2010	1.004	2009	1.004
2013	1.004	2012	1.003	2011	1.002	2010	1.003
Average	1.004	Average	1.003	Average	1.003	Average	1.004
<u>Policy Year</u>	<u>13th/14th</u>	<u>Policy Year</u>	<u>14th/15th</u>	<u>Policy Year</u>	<u>15th/16th</u>	<u>Policy Year</u>	<u>16th/17th</u>
2008	1.002	2007	1.001	2006	1.001	2005	1.001
2009	1.002	2008	1.001	2007	1.001	2006	1.005
Average	1.002	Average	1.001	Average	1.001	Average	1.003
<u>Policy Year</u>	<u>17th/18th</u>	<u>Policy Year</u>	<u>18th/19th</u>				
2004	1.002	2003	1.002				
2005	1.001	2004	1.004				
Average	1.002	Average	1.003				

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APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section C1 - Limited Medical Paid Loss Development Factors

<u>Policy Year</u>	<u>1st/2nd</u>	<u>Policy Year</u>	<u>2nd/3rd</u>	<u>Policy Year</u>	<u>3rd/4th</u>	<u>Policy Year</u>	<u>4th/5th</u>
2020	1.285	2019	1.101	2018	1.027	2017	1.022
2021	1.367	2020	1.074	2019	1.054	2018	1.034
Average	1.326	Average	1.088	Average	1.041	Average	1.028
<u>Policy Year</u>	<u>5th/6th</u>	<u>Policy Year</u>	<u>6th/7th</u>	<u>Policy Year</u>	<u>7th/8th</u>	<u>Policy Year</u>	<u>8th/9th</u>
2016	1.007	2015	1.005	2014	1.005	2013	1.001
2017	1.011	2016	1.009	2015	1.006	2014	1.006
Average	1.009	Average	1.007	Average	1.006	Average	1.004
<u>Policy Year</u>	<u>9th/10th</u>	<u>Policy Year</u>	<u>10th/11th</u>	<u>Policy Year</u>	<u>11th/12th</u>	<u>Policy Year</u>	<u>12th/13th</u>
2012	1.003	2011	1.001	2010	1.007	2009	1.003
2013	1.004	2012	1.007	2011	1.002	2010	1.008
Average	1.004	Average	1.004	Average	1.005	Average	1.006
<u>Policy Year</u>	<u>13th/14th</u>	<u>Policy Year</u>	<u>14th/15th</u>	<u>Policy Year</u>	<u>15th/16th</u>	<u>Policy Year</u>	<u>16th/17th</u>
2008	1.002	2007	1.004	2006	1.002	2005	1.002
2009	1.003	2008	1.002	2007	1.004	2006	1.002
Average	1.003	Average	1.003	Average	1.003	Average	1.002
<u>Policy Year</u>	<u>17th/18th</u>	<u>Policy Year</u>	<u>18th/19th</u>				
2004	1.007	2003	1.003				
2005	1.002	2004	1.005				
Average	1.005	Average	1.004				

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APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section C2 - Limited Indemnity Paid + Case Loss Development Factors

<u>Policy Year</u>	<u>1st/2nd</u>	<u>Policy Year</u>	<u>2nd/3rd</u>	<u>Policy Year</u>	<u>3rd/4th</u>	<u>Policy Year</u>	<u>4th/5th</u>
2017	1.253	2016	1.082	2015	1.016	2014	1.011
2018	1.286	2017	1.060	2016	1.026	2015	1.021
2019	1.251	2018	1.068	2017	1.029	2016	1.012
2020	1.275	2019	1.082	2018	1.026	2017	1.009
2021	1.309	2020	1.093	2019	1.024	2018	1.008
Average	1.275	Average	1.077	Average	1.024	Average	1.012
<u>Policy Year</u>	<u>5th/6th</u>	<u>Policy Year</u>	<u>6th/7th</u>	<u>Policy Year</u>	<u>7th/8th</u>	<u>Policy Year</u>	<u>8th/9th</u>
2013	1.008	2012	1.001	2011	1.007	2010	1.004
2014	1.007	2013	1.004	2012	1.002	2011	1.005
2015	1.005	2014	1.003	2013	1.000	2012	1.002
2016	1.013	2015	1.001	2014	1.003	2013	1.001
2017	1.005	2016	1.004	2015	1.002	2014	1.002
Average	1.008	Average	1.003	Average	1.003	Average	1.003
<u>Policy Year</u>	<u>9th/10th</u>	<u>Policy Year</u>	<u>10th/11th</u>	<u>Policy Year</u>	<u>11th/12th</u>	<u>Policy Year</u>	<u>12th/13th</u>
2009	0.999	2008	0.998	2007	1.000	2006	1.000
2010	1.006	2009	1.002	2008	1.001	2007	1.000
2011	1.001	2010	1.007	2009	1.001	2008	1.002
2012	1.001	2011	1.000	2010	1.000	2009	1.001
2013	1.000	2012	0.999	2011	1.002	2010	1.000
Average	1.001	Average	1.001	Average	1.001	Average	1.001
<u>Policy Year</u>	<u>13th/14th</u>	<u>Policy Year</u>	<u>14th/15th</u>	<u>Policy Year</u>	<u>15th/16th</u>	<u>Policy Year</u>	<u>16th/17th</u>
2005	1.001	2004	1.000	2003	1.001	2002	1.003
2006	1.003	2005	1.002	2004	1.002	2003	1.002
2007	0.999	2006	1.002	2005	1.001	2004	1.000
2008	0.998	2007	1.000	2006	0.998	2005	1.000
2009	1.001	2008	1.002	2007	1.000	2006	1.004
Average	1.000	Average	1.001	Average	1.000	Average	1.002
<u>Policy Year</u>	<u>17th/18th</u>	<u>Policy Year</u>	<u>18th/19th</u>				
2001	1.001	2000	1.002				
2002	1.002	2001	1.001				
2003	1.000	2002	0.999				
2004	1.000	2003	1.000				
2005	1.000	2004	1.003				
Average	1.001	Average	1.001				

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Determination of Premium and Losses Developed to an Ultimate Report

Section C2 - Limited Medical Paid + Case Loss Development Factors

<u>Policy Year</u>	<u>1st/2nd</u>	<u>Policy Year</u>	<u>2nd/3rd</u>	<u>Policy Year</u>	<u>3rd/4th</u>	<u>Policy Year</u>	<u>4th/5th</u>
2017	0.942	2016	0.957	2015	0.994	2014	0.973
2018	0.990	2017	0.987	2016	0.994	2015	0.990
2019	1.003	2018	0.991	2017	0.987	2016	1.000
2020	0.996	2019	0.996	2018	0.988	2017	1.000
2021	1.018	2020	0.986	2019	0.962	2018	0.980
Average	0.990	Average	0.983	Average	0.985	Average	0.989
<u>Policy Year</u>	<u>5th/6th</u>	<u>Policy Year</u>	<u>6th/7th</u>	<u>Policy Year</u>	<u>7th/8th</u>	<u>Policy Year</u>	<u>8th/9th</u>
2013	0.994	2012	0.993	2011	0.999	2010	1.001
2014	1.000	2013	0.999	2012	0.999	2011	0.998
2015	1.003	2014	0.999	2013	1.000	2012	1.001
2016	0.995	2015	1.004	2014	1.001	2013	1.001
2017	1.000	2016	1.005	2015	0.999	2014	0.992
Average	0.998	Average	1.000	Average	1.000	Average	0.999
<u>Policy Year</u>	<u>9th/10th</u>	<u>Policy Year</u>	<u>10th/11th</u>	<u>Policy Year</u>	<u>11th/12th</u>	<u>Policy Year</u>	<u>12th/13th</u>
2009	0.994	2008	0.998	2007	1.001	2006	0.999
2010	0.998	2009	1.000	2008	1.000	2007	1.004
2011	0.997	2010	0.999	2009	1.012	2008	1.000
2012	0.998	2011	1.002	2010	1.001	2009	0.999
2013	1.000	2012	0.998	2011	1.000	2010	1.006
Average	0.997	Average	0.999	Average	1.003	Average	1.002
<u>Policy Year</u>	<u>13th/14th</u>	<u>Policy Year</u>	<u>14th/15th</u>	<u>Policy Year</u>	<u>15th/16th</u>	<u>Policy Year</u>	<u>16th/17th</u>
2005	1.001	2004	0.997	2003	0.999	2002	1.000
2006	1.003	2005	1.002	2004	1.001	2003	0.997
2007	1.001	2006	0.997	2005	1.001	2004	1.001
2008	0.998	2007	0.997	2006	0.996	2005	0.995
2009	0.999	2008	1.001	2007	0.999	2006	0.999
Average	1.000	Average	0.999	Average	0.999	Average	0.998
<u>Policy Year</u>	<u>17th/18th</u>	<u>Policy Year</u>	<u>18th/19th</u>				
2001	1.001	2000	1.005				
2002	1.003	2001	1.000				
2003	0.998	2002	1.003				
2004	1.003	2003	0.999				
2005	1.000	2004	1.004				
Average	1.001	Average	1.002				

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Determination of Premium and Losses Developed to an Ultimate Report

Section D - Determination of Policy Year Loss Development Factors (19th-to-Ultimate Report)

Indemnity Paid+Case Data for Matching Companies

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Policy Year	<u>Losses for Policy Year</u>		<u>Losses for All Prior Policy Years</u>		Factor to Adjust Losses for Prior Policy Years	Indicated 19th-to-Ult Development for Policy Year
	19th Report	20th Report	Previous	Current		
1994	121,415,191	121,362,701	2,514,518,376	2,516,147,929	1.481	1.009
1995	120,320,721	120,313,375	2,628,720,234	2,631,729,350	1.514	1.016
1996	140,561,670	140,846,248	2,748,072,811	2,749,956,102	1.300	1.012
1997	168,276,290	168,572,574	2,889,696,284	2,892,384,446	1.094	1.016
1998	236,447,182	236,461,091	2,832,350,416	2,833,534,413	0.730	1.007
1999	262,564,092	262,756,023	3,282,717,373	3,286,678,665	0.703	1.022
2000	268,776,813	268,900,177	3,548,938,318	3,550,856,384	0.700	1.011
2001	271,321,733	271,812,145	3,819,306,641	3,821,016,909	0.686	1.011
2002	278,198,849	278,587,594	4,051,024,016	4,052,141,343	0.646	1.008
2003	307,321,802	307,614,662	4,330,728,937	4,334,172,885	0.614	1.019
Selected Indemnity 19th-to-Ultimate Loss Development Factor						1.013

Medical Paid+Case Data for Matching Companies

(8)	(9)	(10)	(11)	(12)	(13)	(14)
Policy Year	<u>Losses for Policy Year</u>		<u>Losses for All Prior Policy Years</u>		Factor to Adjust Losses for Prior Policy Years	Indicated 19th-to-Ult Development for Policy Year
	19th Report	20th Report	Previous	Current		
1994	98,591,984	98,817,836	2,038,496,870	2,042,982,162	1.512	1.032
1995	106,697,873	106,566,043	2,134,670,213	2,137,491,625	1.422	1.017
1996	116,708,208	116,823,153	2,240,048,543	2,240,606,977	1.317	1.005
1997	133,792,125	134,081,591	2,356,505,757	2,354,698,250	1.160	0.991
1998	178,924,920	178,376,967	2,306,065,591	2,306,610,568	0.818	1.001
1999	203,212,240	203,223,116	2,656,882,396	2,657,454,263	0.782	1.004
2000	207,759,056	207,781,159	2,860,677,379	2,858,765,005	0.730	0.987
2001	210,172,050	211,697,692	3,066,152,644	3,065,194,166	0.753	1.001
2002	225,628,500	225,621,346	3,232,744,660	3,224,061,541	0.662	0.942
2003	248,277,383	248,474,060	3,449,682,887	3,453,231,954	0.628	1.024
Selected Medical 19th-to-Ultimate Loss Development Factor						1.000

(7) = 1 + [(3) - (2) + ((5) - (4)) / (6)] / (2)

(14) = 1 + [(10) - (9) + ((12) - (11)) / (13)] / (9)

Columns (4) and (11) are valued as of the date at which the given policy year is at a 19th report.

Columns (5) and (12) are valued as of the date at which the given policy year is at a 20th report.

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APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section E - Derivation of Policy Year Limited 19th-to-Ultimate Loss Development Factors

Policy Year	Indemnity Paid-to- Paid + Case Ratio <u>19th Report</u>	Medical Paid-to- Paid + Case Ratio <u>19th Report</u>
2000	0.984	0.948
2001	0.993	0.985
2002	0.985	0.969
2003	0.986	0.969
2004	0.990	0.974
Selected	0.988	0.969

	<u>Indemnity</u>	<u>Medical</u>
(1) Paid+Case 19th-to-Ultimate Loss Development Factor (Section D)	1.013	1.000
(2) Factor to Adjust 19th-to-Ultimate Development Factor to a Limited Basis	0.768	0.768
(3) Limited Paid+Case 19th-to-Ultimate Loss Development Factor = [(1) - 1] x (2) + 1	1.010	1.000
(4) Limited Paid-to-Paid+Case Ratio	0.988	0.969
(5) Limited Paid 19th-to-Ultimate Loss Development Factor = (3) / (4)	1.022	1.032

Section F1 - Summary of Limited Paid Loss Development Factors

Report	(1) <u>Indemnity Paid Loss Development</u>		Report	(3) <u>Medical Paid Loss Development</u>	
	<u>to Next Report</u>	<u>to Ultimate</u>		<u>to Next Report</u>	<u>to Ultimate</u>
1st	1.842	2.800	1st	1.326	1.696
2nd	1.237	1.520	2nd	1.088	1.279
3rd	1.086	1.229	3rd	1.041	1.176
4th	1.035	1.132	4th	1.028	1.130
5th	1.018	1.094	5th	1.009	1.099
6th	1.011	1.075	6th	1.007	1.089
7th	1.008	1.063	7th	1.006	1.081
8th	1.007	1.055	8th	1.004	1.075
9th	1.004	1.048	9th	1.004	1.071
10th	1.003	1.044	10th	1.004	1.067
11th	1.003	1.041	11th	1.005	1.063
12th	1.004	1.038	12th	1.006	1.058
13th	1.002	1.034	13th	1.003	1.052
14th	1.001	1.032	14th	1.003	1.049
15th	1.001	1.031	15th	1.003	1.046
16th	1.003	1.030	16th	1.002	1.043
17th	1.002	1.027	17th	1.005	1.041
18th	1.003	1.025	18th	1.004	1.036
19th	1.022	1.022	19th	1.032	1.032

(2) = Cumulative upward product of column (1).

(4) = Cumulative upward product of column (3).

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Determination of Premium and Losses Developed to an Ultimate Report

Section F2 - Summary of Limited Paid+Case Loss Development Factors

Report	(1)	(2)	Report	(3)	(4)
	<u>Indemnity Paid+Case Loss Development</u>	<u>to Next Report</u>		<u>to Ultimate</u>	<u>Medical Paid+Case Loss Development</u>
1st	1.275	1.474	1st	0.990	0.944
2nd	1.077	1.156	2nd	0.983	0.954
3rd	1.024	1.073	3rd	0.985	0.971
4th	1.012	1.048	4th	0.989	0.986
5th	1.008	1.036	5th	0.998	0.997
6th	1.003	1.028	6th	1.000	0.999
7th	1.003	1.025	7th	1.000	0.999
8th	1.003	1.022	8th	0.999	0.999
9th	1.001	1.019	9th	0.997	1.000
10th	1.001	1.018	10th	0.999	1.003
11th	1.001	1.017	11th	1.003	1.004
12th	1.001	1.016	12th	1.002	1.001
13th	1.000	1.015	13th	1.000	0.999
14th	1.001	1.015	14th	0.999	0.999
15th	1.000	1.014	15th	0.999	1.000
16th	1.002	1.014	16th	0.998	1.001
17th	1.001	1.012	17th	1.001	1.003
18th	1.001	1.011	18th	1.002	1.002
19th		1.010	19th		1.000

(2) = Cumulative upward product of column (1).

(4) = Cumulative upward product of column (3).

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APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section G - Factor to Adjust Limited Losses to an Unlimited Basis

(1) Threshold at the Midpoint of the Loss Cost Effective Period*	11,479,501
(2) Statewide Excess Ratio for (1)	0.012
(3) Market Share for Carriers Missing from Large Loss and Catastrophe Call	0.000
(4) Factor to Adjust Limited Losses to an Unlimited Basis = $1.0 / \{1.0 - [(2) \times (1.0 - (3))]\}$	1.012

Section H - Policy Year Large Loss Limits

Experience Year	Policy Year Detrended Limit
2022	10,121,376
2021	9,560,964
2020	8,935,644
2019	8,420,045
2018	8,072,685
2017	7,792,884
2016	7,516,015
2015	7,337,874
2014	7,152,648
2013	6,939,820
2012	6,790,636
2011	6,639,031
2010	6,471,851
2009	6,267,818
2008	6,175,309
2007	6,106,373
2006	5,932,534
2005	5,707,212
2004	5,504,849
2003	5,311,079
2002	5,149,333
2001	5,041,867
2000	4,918,924

* March 20, 2026 is the midpoint of the effective period for which the revised loss costs are being proposed.

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APPENDIX A-III

Policy Year Trend

Section A - Summary of Annual Trends

(1)	(2)	(3)	(4)	(5)	(6)
Policy Year	Lost-Time	Indemnity		Medical	
	Claim Frequency*	Avg Cost Per Case*^	Loss Ratio^	Avg Cost Per Case*^	Loss Ratio^
2015	17.4	38,953	0.678	35,246	0.613
2016	16.9	36,964	0.624	31,721	0.536
2017	16.4	36,641	0.602	30,764	0.505
2018	16.1	37,687	0.606	32,498	0.522
2019	14.5	39,476	0.573	34,524	0.501
2020	14.8	36,398	0.539	31,458	0.466
2021	14.3	35,458	0.507	30,202	0.432
2022	13.6	36,253	0.495	29,584	0.404

* Figures have been adjusted to the current wage level.

^ Based on an average of paid and paid+case losses.

	<u>Indemnity</u>	<u>Medical</u>
(1) Current Approved Annual Loss Ratio Trend Factor	0.960	0.960
(2) Range of Indicated Annual Trend Factors Based on Frequency and Severity Analysis		
Lower estimate:	0.930	0.926
Upper estimate:	0.972	0.966
(3) Selected Annual Loss Ratio Trend Factor	0.960	0.955
(4) Length of Trend Period from Midpoint of Policy Year to Midpoint of Effective Period:		
	<u>Years</u>	
Policy Year 2022	3.307	
Policy Year 2021	4.307	
(5) Trend Factor Applied to Experience Year = (3) ^ (4)		
	<u>Indemnity</u>	<u>Medical</u>
Policy Year 2022	0.874	0.859
Policy Year 2021	0.839	0.820

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APPENDIX A-III

Policy Year Trend

Section B - Summary of Data Points Underlying Trend Analysis

Policy Year	<u>Paid Indemnity Loss Ratio</u>	<u>Paid Medical Loss Ratio</u>	<u>Paid+Case Indemnity Loss Ratio</u>	<u>Paid+Case Medical Loss Ratio</u>	<u>Claim Frequency</u>	<u>Paid Indemnity Avg. Cost Per Case</u>	<u>Paid Medical Avg. Cost Per Case</u>	<u>Paid+Case Indemnity Avg. Cost Per Case</u>	<u>Paid+Case Medical Avg. Cost Per Case</u>
2015	0.684	0.627	0.671	0.599	17.4	39,339	36,062	38,567	34,429
2016	0.626	0.545	0.621	0.526	16.9	37,119	32,272	36,809	31,170
2017	0.607	0.516	0.597	0.494	16.4	36,968	31,424	36,315	30,103
2018	0.610	0.533	0.601	0.511	16.1	37,969	33,189	37,406	31,808
2019	0.577	0.508	0.568	0.494	14.5	39,799	34,986	39,153	34,062
2020	0.542	0.475	0.536	0.457	14.8	36,589	32,072	36,207	30,844
2021	0.507	0.436	0.506	0.427	14.3	35,470	30,521	35,447	29,883
2022	0.504	0.405	0.485	0.402	13.6	36,935	29,681	35,572	29,488

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Loss Ratio Trend Supporting Information
Financial Data is Valued as of December 31, 2023

Section C - Premium

Policy Year	(1) Policy Year Premium	(2) Premium Devel Factor	(3) Ultimate Premium (1) x (2)	(4) On-level Factor	(5) On-level Devel Prem (3) x (4)
2015	1,124,654,898	xxx	1,124,654,898	0.380	427,368,861
2016	1,109,865,010	xxx	1,109,865,010	0.412	457,264,384
2017	1,032,813,315	xxx	1,032,813,315	0.470	485,422,258
2018	983,939,125	xxx	983,939,125	0.534	525,423,493
2019	900,018,388	1.000	900,018,388	0.626	563,411,511
2020	828,984,177	1.000	828,984,177	0.712	590,236,734
2021	876,692,395	1.001	877,569,087	0.759	666,074,937
2022	906,341,231	1.015	919,936,349	0.798	734,109,207

Section D - Paid Loss Ratios

Policy Year	(1) Paid Indemnity Losses	(2) Loss Devel Factor	(3) Ultimate Ind. Loss (1) x (2)	(4) On-level Factor	(5) On-level Devel Ind. Loss (3) x (4)	(6) Paid Ind. Loss Ratio (5)/[Section C (5)]
2015	277,230,143	1.055	292,477,801	1.000	292,477,801	0.684
2016	269,429,505	1.063	286,403,564	1.000	286,403,564	0.626
2017	274,207,690	1.075	294,773,267	1.000	294,773,267	0.607
2018	293,098,841	1.094	320,650,132	1.000	320,650,132	0.610
2019	287,313,566	1.132	325,238,957	1.000	325,238,957	0.577
2020	260,320,984	1.229	319,934,489	1.000	319,934,489	0.542
2021	222,027,702	1.520	337,482,107	1.000	337,482,107	0.507
2022	132,106,800	2.800	369,899,040	1.000	369,899,040	0.504

Policy Year	(7) Paid Medical Losses	(8) Loss Devel Factor	(9) Ultimate Med. Loss (7) x (8)	(10) On-level Factor	(11) On-level Devel Med. Loss (9) x (10)	(12) Paid Med. Loss Ratio (11)/[Section C (5)]
2015	236,227,512	1.075	253,944,575	1.056	268,165,471	0.627
2016	218,208,124	1.081	235,882,982	1.056	249,092,429	0.545
2017	218,489,036	1.089	237,934,560	1.053	250,545,092	0.516
2018	244,687,280	1.099	268,911,321	1.042	280,205,596	0.533
2019	245,266,103	1.130	277,150,696	1.032	286,019,518	0.508
2020	233,724,816	1.176	274,860,384	1.020	280,357,592	0.475
2021	224,926,571	1.279	287,681,084	1.009	290,270,214	0.436
2022	174,570,094	1.696	296,070,879	1.004	297,255,163	0.405

Section E - Paid+Case Loss Ratios

Policy Year	(1) Paid+Case Indemnity Losses	(2) Loss Devel Factor	(3) Ultimate Ind. Loss (1) x (2)	(4) On-level Factor	(5) On-level Devel Ind. Loss (3) x (4)	(6) Paid+Case Ind. Loss Ratio (5)/[Section C (5)]
2015	280,564,780	1.022	286,737,205	1.000	286,737,205	0.671
2016	277,089,391	1.025	284,016,626	1.000	284,016,626	0.621
2017	281,684,950	1.028	289,572,129	1.000	289,572,129	0.597
2018	304,912,637	1.036	315,889,492	1.000	315,889,492	0.601
2019	305,304,519	1.048	319,959,136	1.000	319,959,136	0.568
2020	295,053,513	1.073	316,592,419	1.000	316,592,419	0.536
2021	291,748,384	1.156	337,261,132	1.000	337,261,132	0.506
2022	241,688,851	1.474	356,249,366	1.000	356,249,366	0.485

Policy Year	(7) Paid+Case Medical Losses	(8) Loss Devel Factor	(9) Ultimate Med. Loss (7) x (8)	(10) On-level Factor	(11) On-level Devel Med. Loss (9) x (10)	(12) Paid+Case Med. Loss Ratio (11)/[Section C (5)]
2015	242,690,421	0.999	242,447,731	1.056	256,024,804	0.599
2016	228,056,135	0.999	227,828,079	1.056	240,586,451	0.526
2017	228,156,524	0.999	227,928,367	1.053	240,008,570	0.494
2018	258,500,755	0.997	257,725,253	1.042	268,549,714	0.511
2019	273,667,818	0.986	269,836,469	1.032	278,471,236	0.494
2020	272,228,215	0.971	264,333,597	1.020	269,620,269	0.457
2021	295,251,541	0.954	281,669,970	1.009	284,205,000	0.427
2022	311,591,600	0.944	294,142,470	1.004	295,319,040	0.402

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Frequency and Severity Trend Supporting Information
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Section F - Claim Frequency

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			= (1)x(2)			= (4)x(5)			= (6)x(7)x(8)	= (3)/(9)
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Policy Year Premium	Premium Devel Factor	Ultimate Premium	On-level Factor	Factor to Adjust to 2022 Wage Levels	On-level Devel Prem Adj to 2022 Wage Level	Claim Freq Per Million of On-level Premium
2015	10,260	1.000	10,260	1,124,654,898	1.000	1,124,654,898	0.380	1.380	589,319,167	17.4
2016	10,401	1.000	10,401	1,109,865,010	1.000	1,109,865,010	0.412	1.348	615,975,081	16.9
2017	10,358	1.000	10,358	1,032,813,315	1.000	1,032,813,315	0.470	1.299	631,048,935	16.4
2018	10,590	1.000	10,590	983,939,125	1.000	983,939,125	0.534	1.254	659,239,214	16.1
2019	9,831	1.000	9,831	900,018,388	1.000	900,018,388	0.626	1.203	677,713,846	14.5
2020	9,907	1.000	9,907	828,984,177	1.000	828,984,177	0.712	1.133	668,990,231	14.8
2021	10,046	1.003	10,076	876,692,395	1.001	877,569,087	0.759	1.059	705,565,546	14.3
2022	9,714	1.031	10,015	906,341,231	1.015	919,936,349	0.798	1.000	734,109,207	13.6

Section G - Paid Severity

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			= (1)x(2)			= (4)x(5)			= (6)x(7)x(8)	= (9)/(3)
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Paid Indemnity Losses	Paid Indemnity LDF	Ultimate Indemnity Losses	On-level Factor	Factor to Adjust to 2022 Wage Levels	On-level Devel Indemnity Losses Adj to 2022 Wage Level	Indemnity Average Claim Severity
2015	10,260	1.000	10,260	277,230,143	1.055	292,477,801	1.000	1.380	403,619,365	39,339
2016	10,401	1.000	10,401	269,429,505	1.063	286,403,564	1.000	1.348	386,072,004	37,119
2017	10,358	1.000	10,358	274,207,690	1.075	294,773,267	1.000	1.299	382,910,474	36,968
2018	10,590	1.000	10,590	293,098,841	1.094	320,650,132	1.000	1.254	402,095,266	37,969
2019	9,831	1.000	9,831	287,313,566	1.132	325,238,957	1.000	1.203	391,262,465	39,799
2020	9,907	1.000	9,907	260,320,984	1.229	319,934,489	1.000	1.133	362,485,776	36,589
2021	10,046	1.003	10,076	222,027,702	1.520	337,482,107	1.000	1.059	357,393,551	35,470
2022	9,714	1.031	10,015	132,106,800	2.800	369,899,040	1.000	1.000	369,899,040	36,935

	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
			= (11)x(12)			= (14)x(15)			= (16)x(17)x(18)	= (19)/(13)
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Paid Medical Losses	Paid Medical LDF	Ultimate Medical Losses	On-level Factor	Factor to Adjust to 2022 Wage Levels	On-level Devel Medical Losses Adj to 2022 Wage Level	Medical Average Claim Severity
2015	10,260	1.000	10,260	236,227,512	1.075	253,944,575	1.056	1.380	369,997,246	36,062
2016	10,401	1.000	10,401	218,208,124	1.081	235,882,982	1.056	1.348	335,661,483	32,272
2017	10,358	1.000	10,358	218,489,036	1.089	237,934,560	1.053	1.299	325,494,478	31,424
2018	10,590	1.000	10,590	244,687,280	1.099	268,911,321	1.042	1.254	351,467,097	33,189
2019	9,831	1.000	9,831	245,266,103	1.130	277,150,696	1.032	1.203	343,944,014	34,986
2020	9,907	1.000	9,907	233,724,816	1.176	274,860,384	1.020	1.133	317,738,604	32,072
2021	10,046	1.003	10,076	224,926,571	1.279	287,681,084	1.009	1.059	307,531,079	30,521
2022	9,714	1.031	10,015	174,570,094	1.696	296,070,879	1.004	1.000	297,255,163	29,681

Section H - Paid+Case Severity

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
			= (1)x(2)			= (4)x(5)			= (6)x(7)x(8)	= (9)/(3)
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Paid+Case Indemnity Losses	Paid+Case Indemnity LDF	Ultimate Indemnity Losses	On-level Factor	Factor to Adjust to 2022 Wage Levels	On-level Devel Indemnity Losses Adj to 2022 Wage Level	Indemnity Average Claim Severity
2015	10,260	1.000	10,260	280,564,780	1.022	286,737,205	1.000	1.380	395,697,343	38,567
2016	10,401	1.000	10,401	277,089,391	1.025	284,016,626	1.000	1.348	382,854,412	36,809
2017	10,358	1.000	10,358	281,684,950	1.028	289,572,129	1.000	1.299	376,154,196	36,315
2018	10,590	1.000	10,590	304,912,637	1.036	315,889,492	1.000	1.254	396,125,423	37,406
2019	9,831	1.000	9,831	305,304,519	1.048	319,959,136	1.000	1.203	384,910,841	39,153
2020	9,907	1.000	9,907	295,053,513	1.073	316,592,419	1.000	1.133	358,699,211	36,207
2021	10,046	1.003	10,076	291,748,384	1.156	337,261,132	1.000	1.059	357,159,539	35,447
2022	9,714	1.031	10,015	241,688,851	1.474	356,249,366	1.000	1.000	356,249,366	35,572

	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
			= (11)x(12)			= (14)x(15)			= (16)x(17)x(18)	= (19)/(13)
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Paid+Case Medical Losses	Paid+Case Medical LDF	Ultimate Medical Losses	On-level Factor	Factor to Adjust to 2022 Wage Levels	On-level Devel Medical Losses Adj to 2022 Wage Level	Medical Average Claim Severity
2015	10,260	1.000	10,260	242,690,421	0.999	242,447,731	1.056	1.380	353,246,344	34,429
2016	10,401	1.000	10,401	228,056,135	0.999	227,828,079	1.056	1.348	324,199,356	31,170
2017	10,358	1.000	10,358	228,156,524	0.999	227,928,367	1.053	1.299	311,806,006	30,103
2018	10,590	1.000	10,590	258,500,755	0.997	257,725,253	1.042	1.254	336,846,906	31,808
2019	9,831	1.000	9,831	273,667,818	0.986	269,836,469	1.032	1.203	334,867,058	34,062
2020	9,907	1.000	9,907	272,228,215	0.971	264,333,597	1.020	1.133	305,569,638	30,844
2021	10,046	1.003	10,076	295,251,541	0.954	281,669,970	1.009	1.059	301,105,198	29,883
2022	9,714	1.031	10,015	311,591,600	0.944	294,142,470	1.004	1.000	295,319,040	29,488

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APPENDIX A-IV

NCRB and NCCI maintain several data reporting initiatives and programs to assist carriers to report data and to ensure that the data that is reported is complete, accurate, and reported in a timely fashion. Occasionally, a particular carrier's data submission is not available for use in a filing either because the data was not reported prior to the filing, was not accurate, or NCCI determined that the data that was reported should not be included in the filing based on NCCI's actuarial judgment.

All carriers writing more than one-tenth of one percent of the North Carolina workers compensation written premium volume and whose aggregate financial data is not included in this filing are listed below. The listing is separated between policy years 2022 and 2021 aggregate data.

Carriers not included in policy year experience valued as of December 31, 2023

Policy Year 2022

Name of Carrier
None

Percentage of
Premium Volume

Policy Year 2021

Name of Carrier
None

Percentage of
Premium Volume

Note: Based on 2022 and 2021 data from the NAIC.

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APPENDIX A-V

Derivation of Industry Group Differentials

Industry group differentials are used to more equitably distribute the overall loss cost level change based on the individual experience of each industry group. The payroll, losses and claim counts used in the calculations below are from the North Carolina Workers Compensation Statistical Plan ("Workers Compensation Statistical Plan" or "WCSP") data.

I. Expected Losses

The current expected losses (columns (1) and (2)) are the payroll extended by the pure premiums underlying the latest approved loss costs. The proposed expected losses (3) are the current expected losses adjusted to the proposed level. These adjustments include the proposed experience, trend, benefit and, if applicable, loss-based expense changes as well as any miscellaneous premium adjustments.

Industry Group	(1) Latest Year Current Expected Losses Prior to Adjustment for Change in Off-Balance	(2) Five Year Current Expected Losses Prior to Adjustment for Change in Off-Balance	(3) Five Year Proposed Expected Losses Prior to Adjustment for Change in Off-Balance	(4) Current Ratio of Manual to Standard Premium	(5) Proposed Ratio of Manual to Standard Premium
Manufacturing	193,817,797	875,835,721	830,422,540	1.103	1.102
Contracting	233,655,015	1,012,301,591	959,791,014	1.090	1.091
Office & Clerical	106,695,606	435,357,986	412,629,061	1.131	1.128
Goods & Services	320,983,065	1,384,384,566	1,312,159,069	1.047	1.043
Miscellaneous	220,764,890	943,913,617	895,835,279	1.043	1.042
Statewide	1,075,916,373	4,651,793,480	4,410,836,962		

Industry Group	(6) Latest Year Current Expected Losses Adjusted for Change in Off-Balance (1)x(4)/(5)	(7) Five Year Current Expected Losses Adjusted for Change in Off-Balance (2)x(4)/(5)	(8) Five Year Proposed Expected Losses Adjusted for Change in Off-Balance (3)x(4)/(5)	(9) Current/ Proposed (7)/(8)	(10) Adjustment to Proposed for Current Relativity (9)IG/(9)SW
Manufacturing	193,993,676	876,630,490	831,176,099	1.055	1.000
Contracting	233,440,849	1,011,373,725	958,911,279	1.055	1.000
Office & Clerical	106,979,371	436,515,853	413,726,478	1.055	1.000
Goods & Services	322,214,064	1,389,693,807	1,317,191,319	1.055	1.000
Miscellaneous	220,976,756	944,819,484	896,695,006	1.054	0.999
Statewide	1,077,604,716	4,659,033,359	4,417,700,181	1.055	

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APPENDIX A-V

II. Industry Group Differentials

To calculate the converted indicated balanced losses (11) the reported losses are limited to \$500,000 for a single claim occurrence and \$1,500,000 for each multiple claim occurrence. After the application of limited development, trend and benefit factors, the limited losses are brought to an unlimited level through the application of the expected excess provision. The expected excess loss provisions are non-catastrophe and the excess ratios at a loss limit of \$50 million are set equal to zero. The proposed experience change, applicable loss-based expenses and any miscellaneous premium adjustments are applied to calculate the indicated losses. These indicated losses are then balanced to the expected losses using the factors shown in Appendix B-I, Section A-3.

Industry Group	(11) Converted Indicated Balanced Losses	(12) Indicated/ Expected Ratio (11)/[(8)x(10)]	(13) Indicated Differential (12)IG/(12)SW	(14) Lost-Time Claim Counts
Manufacturing	853,774,318	1.027	1.027	17,941
Contracting	960,731,986	1.002	1.002	12,688
Office & Clerical	399,352,977	0.965	0.965	8,829
Goods & Services	1,302,593,801	0.989	0.989	34,757
Miscellaneous	900,571,035	1.005	1.005	14,464
Statewide	4,417,024,117	1.000		

Industry Group	(15) Full Credibility Standard for Lost-Time Claim Counts	(16) Credibility Minimum of 1.000 and ((14)/(15))^0.5	(17) Credibility Weighted Indicated/Expected Ratio [(16)IGx(12)IG] + [1-(16)IG]x(12)SW*	(18) Final Industry Group Differential (17)IG/(17)SW
Manufacturing	12,000	1.00	1.027	1.027
Contracting	12,000	1.00	1.002	1.002
Office & Clerical	12,000	0.86	0.970	0.970
Goods & Services	12,000	1.00	0.989	0.989
Miscellaneous	12,000	1.00	1.005	1.005
Statewide			1.000	1.000

*Statewide ratio (column 17) = $\sum_{IG} [(6)x(17)] \div \sum_{IG} (6)$

North Carolina

APPENDIX A-V

III. Description of Industry Group Differentials

Column (2) reflects the indemnity and medical combined expected losses calculated as five years of payroll (in hundreds) extended separately by indemnity and medical pure premiums underlying the latest approved loss costs. Column (3) adjusts the current expected losses to the proposed level by applying the components of the proposed loss cost level change. These components are applied separately for indemnity and medical, where possible. These adjustments are reflected in Appendix B-I, Section B.

Column (4) shows the current manual premium to standard premium ratios that were calculated using the latest five years of WCSP data used in the currently approved North Carolina filing. Column (5) shows the proposed manual premium to standard premium ratios calculated using the latest five years of manual premium and experience modification factors reported in the WCSP data used in the proposed North Carolina filing. "Proposed" ratio refers to the fact that these ratios are based on the latest available WCSP data in the proposed filing, and they are used to adjust the proposed industry group differentials to reflect the latest available impact of experience rating by industry group. The differences between columns (4) and (5) relate to the different periods of data being used, which are rolling 5-year periods.

Columns (6), (7), and (8) are based on columns (1), (2), and (3), respectively, and include an adjustment for the change in the average experience rating off-balance by Industry Group (IG). The adjustment for the change in the average experience rating off-balance by IG is reflected by multiplying columns (1), (2), and (3) by the ratio of column (4) to column (5). The ratio of column (4) to column (5) adjusts the current and proposed expected losses (and therefore the IG differentials) to reflect the latest available impact of experience rating by industry group.

The expected losses in column (6) are used as the IG weights when determining the statewide average Credibility Weighted Indicated-to-Expected Ratio in column (17).

The expected losses in columns (7) and (8) are used to determine the relative IG changes from the prior filing to the proposed filing in column (9). Since the indicated IG relativities in column (9) reflect a statewide average that differs from 1.000, the calculation in column (10) ensures that the indicated changes by IG balance to the overall proposed statewide loss cost level change.

Column (13) normalizes the indicated to expected ratios determined in column (12) to determine differentials before credibility weighting. The credibilities are calculated for each industry group using actual lost-time cases (column (14)) and the full credibility standard. The full credibility standard (column (15)) is determined based on an analysis of five successive years of five industry group differential fluctuations across 36 states. In column (16), the credibility is 1.00 when lost-time claims exceed 12,000. The final differentials reflected in column (18) are the normalized credibility weighted industry group differentials calculated in column (17).

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APPENDIX B-I

Distribution of Loss Cost Level Change to Occupational Classification

After determining the required changes in the overall loss cost level for the state and by industry group, the next step in the ratemaking procedure is to distribute these changes among the various occupational classifications. In order to do this, the pure premiums by classification must be adjusted, by policy period, industry group, or on an overall basis, to incorporate the changes proposed in the filing. There are three sets of pure premiums for each classification: indicated, present on rate level, and national pure premiums.

Section A – Calculation of Indicated Pure Premiums

The indicated pure premiums are calculated from the payroll and loss data reported, by class code and policy period, in the Workers Compensation Statistical Plan (WCSP) for the latest available five policy periods. Various adjustments are made to these pure premiums to put them at the level proposed in this filing (Sections A-1 to A-3).

Section A-1 – Calculation of Primary Conversion Factors

1. Limited Loss Development Factors*

The following factors are applied to develop the losses from first through fifth report to an ultimate basis.

Policy Period	Indemnity		Medical	
	Likely-to-Develop	Not-Likely-to-Develop	Likely-to-Develop	Not-Likely-to-Develop
1/17-12/17	1.058	1.021	1.009	1.002
1/18-12/18	1.078	1.034	1.008	1.000
1/19-12/19	1.124	1.061	1.006	0.998
1/20-12/20	1.276	1.138	0.993	0.987
1/21-12/21	1.957	1.438	0.988	0.953

*The likely/not-likely development factors reflect a 60% likely / 40% not-likely distribution of the total tail development.

2. Factors to Adjust to the Proposed Trend Level

The proposed trend factors are applied to adjust the losses to the proposed level.

Policy Period	Indemnity	Medical
1/17-12/17	0.713	0.683
1/18-12/18	0.742	0.715
1/19-12/19	0.773	0.748
1/20-12/20	0.806	0.784
1/21-12/21	0.839	0.821

3. Factors to Adjust to the Proposed Benefit Level

The following factors are applied to adjust the losses to the proposed benefit level.

Policy Period	Fatal	Permanent Total (P.T.)	Permanent Partial (P.P.)	Temporary Total (T.T.)	Medical
1/17-12/17	1.000	1.000	1.000	1.000	1.057
1/18-12/18	1.000	1.000	1.000	1.000	1.046
1/19-12/19	1.000	1.000	1.000	1.000	1.036
1/20-12/20	1.000	1.000	1.000	1.000	1.024
1/21-12/21	1.000	1.000	1.000	1.000	1.013

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4. Primary Conversion Factors: Indicated Pure Premiums

The factors above, contained within Section A-1, are combined multiplicatively, resulting in the following factors for the Likely-to-Develop (L) and Not-Likely-to-Develop (NL) groupings.

Policy Period	Fatal (L)	Fatal (NL)	P.T.*	P.P. (L)	P.P. (NL)	T.T. (L)	T.T. (NL)	Medical (L)	Medical (NL)
1/17-12/17	0.754	0.728	0.754	0.754	0.728	0.754	0.728	0.728	0.723
1/18-12/18	0.800	0.767	0.800	0.800	0.767	0.800	0.767	0.754	0.748
1/19-12/19	0.869	0.820	0.869	0.869	0.820	0.869	0.820	0.780	0.773
1/20-12/20	1.028	0.917	1.028	1.028	0.917	1.028	0.917	0.797	0.792
1/21-12/21	1.642	1.206	1.642	1.642	1.206	1.642	1.206	0.822	0.793

* Permanent total losses are always assigned to the Likely-to-Develop grouping.

Section A-2 – Expected Excess Provision and Redistribution

After the application of the primary conversion factors, the limited losses are brought to an expected unlimited level through the application of excess loss factors by hazard group. The expected excess loss provisions are non-catastrophe and the excess ratios at a loss limit of \$50 million are set equal to zero. These factors are shown below.

Hazard Group	A	B	C	D	E	F	G
(1) Excess Ratios	0.106	0.134	0.174	0.191	0.256	0.292	0.325
(2) Excess Factors 1/(1-(1))	1.119	1.155	1.211	1.236	1.344	1.412	1.481

As the excess loss factors are on a combined (indemnity and medical) basis, a portion (40%) of the indemnity expected excess losses are redistributed to medical in order to more accurately allocate expected excess losses. Since a portion of the expected excess losses are redistributed in an additive manner, the expected excess factors shown above cannot be combined multiplicatively with either the primary or secondary loss conversion factors.

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Section A-3 – Calculation of Secondary Conversion Factors

1. Factors to Adjust for Proposed Industry Group Differentials

The following factors are applied to adjust the indicated industry group differentials for the effects of credibility weighting the industry group differentials and weighting the differentials by the latest year expected losses.

	Manufacturing	Contracting	Office and Clerical	Goods and Services	Miscellaneous
(1) Indicated Differentials*	1.027	1.002	0.965	0.989	1.005
(2) Final Differentials**	1.027	1.002	0.970	0.989	1.005
(3) Adjustment (2)/(1)	1.000	1.000	1.005	1.000	1.000

*See Appendix A-V, column (13).

**See Appendix A-V, column (18).

2. Factors to Balance Indicated to Expected Losses

The expected losses are calculated as the pure premium underlying the current loss costs, adjusted to the proposed level and adjusted for the Experience Rating Plan off-balance. The indicated losses are balanced to the expected losses by applying the following factors.

Policy Period	(1) Adjustment of Indicated Losses to Pure Premium at Proposed Level	(2) Current Ratio of Manual to Standard Premium	(3) Proposed Ratio of Manual to Standard Premium	(4) Off-balance Adjustment (2)/(3)	(5) Balancing Indicated to Expected Losses (1)x(4)
1/17-12/17	0.845	1.074	1.081	0.994	0.840
1/18-12/18	0.810	1.074	1.084	0.991	0.803
1/19-12/19	0.839	1.074	1.073	1.001	0.840
1/20-12/20	0.842	1.074	1.066	1.008	0.849
1/21-12/21	0.846	1.074	1.063	1.010	0.854

3. Adjustment for Experience Change

A factor of 0.955 is applied to adjust for the experience change in the proposed loss cost level.

4. Factor to Reflect the Proposed Loss-Based Expense Provisions

A factor of 1.200 is applied to include the proposed loss-based expense provisions.

5. Secondary Conversion Factors: Indicated Pure Premiums

The factors above, contained within section A-3, are combined multiplicatively, resulting in the following factors:

Policy Period	Manufacturing	Contracting	Office and Clerical	Goods and Services	Miscellaneous
1/17-12/17	0.963	0.963	0.967	0.963	0.963
1/18-12/18	0.920	0.920	0.925	0.920	0.920
1/19-12/19	0.963	0.963	0.967	0.963	0.963
1/20-12/20	0.973	0.973	0.978	0.973	0.973
1/21-12/21	0.979	0.979	0.984	0.979	0.979

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Section B – Calculation of Present on Rate Level Pure Premiums

The present on rate level pure premiums are the pure premiums underlying the current loss costs, adjusted to the proposed level. The data sources for the above-captioned pure premiums are the partial pure premiums underlying the current loss costs.

1. Adjustment for Experience Change

A factor of 0.955 is applied to adjust for the experience change in the proposed loss cost level.

2. Factors to Adjust to the Proposed Trend Level

The pure premiums underlying the current loss costs contain the current trend. The change in trend factors, 1.000 and 0.980, for indemnity and medical, respectively, are applied to adjust to the proposed trend level.

3. Factors to Adjust to the Proposed Benefit Level

The following factors are applied to adjust the pure premiums underlying the current loss costs to the proposed benefit level.

Effective Date	Indemnity	Medical
October 1, 2023 (Appendix C-I)	1.000	1.002
January 1, 2024 (Appendix C-I)	1.000	0.997
March 9, 2024 (Appendix C-I)	1.000	1.005
Combined Benefit Adjustment	1.000	1.004

4. Factors to Include the Proposed Loss-Based Expense Provisions

The pure premiums underlying the current loss costs include the current loss-based expense provisions and must be adjusted to the proposed level.

	(a) Current		(b) Proposed	
	Indemnity	Medical	Indemnity	Medical
(1) Loss Adjustment Expense	1.200	1.200	1.200	1.200
(2) Loss-based Assessment	1.000	1.000	1.000	1.000
(3) = (1) + (2) – 1.000	1.200	1.200	1.200	1.200
(4) Overall Change (3b)/(3a)			1.000	1.000

5. Adjustment to Obtain Expected Losses

The pure premiums underlying the current loss costs reflect the current Experience Rating Plan off-balance. The change in off-balance must be applied.

Industry Group	(1) Current Ratio of Manual to Standard Premium	(2) Proposed Ratio of Manual to Standard Premium	(3) Off-balance Adjustment (1)/(2)
Manufacturing	1.103	1.102	1.001
Contracting	1.090	1.091	0.999
Office & Clerical	1.131	1.128	1.003
Goods & Services	1.047	1.043	1.004
Miscellaneous	1.043	1.042	1.001

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6. Factors to Adjust for Proposed Industry Group Differentials

The pure premiums underlying the current loss costs are adjusted by the proposed industry group differentials.

Industry Group	(1) Final Differential*	(2) Adjustment to Proposed for Current Relativities**	(3) Adjusted Differential (1)x(2)
Manufacturing	1.027	1.000	1.027
Contracting	1.002	1.000	1.002
Office & Clerical	0.970	1.000	0.970
Goods & Services	0.989	1.000	0.989
Miscellaneous	1.005	0.999	1.004

*See Appendix A-V, column (18).

**See Appendix A-V, column (10).

7. Combined Conversion Factors

The factors above, contained within Section B, are combined multiplicatively, resulting in the following factors.

Industry Group	Indemnity	Medical
Manufacturing	0.982	0.966
Contracting	0.956	0.941
Office & Clerical	0.929	0.915
Goods & Services	0.948	0.933
Miscellaneous	0.960	0.945

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Section C – Calculation of National Pure Premiums

Finally, there are the national pure premiums, which reflect the countrywide experience for each classification adjusted to state conditions. These pure premiums reflect the countrywide experience for each classification as indicated by the latest available individual classification experience for all states for which the National Council on Compensation Insurance compiles workers compensation data.

Countrywide data is adjusted to North Carolina conditions in four steps. First, statewide indicated pure premiums are determined for North Carolina. Second, using North Carolina payrolls as weights, corresponding statewide-average pure premiums are computed for each remaining state. Third, the ratios of North Carolina statewide pure premiums to those for other states are used as adjustment factors to convert losses for other states to a basis that is consistent with the North Carolina indicated pure premiums. The quotient of the countrywide total of such adjusted losses divided by the total countrywide payroll for the classification is the initial pure premium indicated by national relativity. Finally, national pure premiums are balanced to the level of the state indicated pure premiums to ensure unbiased derived by formula pure premiums. Indemnity and medical pure premiums are computed separately.

Section D – Calculation of Derived by Formula Pure Premiums

The indicated, present on rate level and national pure premiums are credibility weighted, and the resulting derived by formula pure premiums are used to determine the final class loss costs.

As for the preceding pure premiums, separate computations are performed for each partial pure premium: indemnity and medical. Each partial formula pure premium is derived by the weighting of the indicated, present on rate level and national partial pure premiums. The weight assigned to the policy year indicated pure premium varies in one-percent intervals from zero percent to one hundred percent, depending upon the volume of expected losses (i.e. the product of the underlying pure premiums and the payroll in hundreds). To achieve full state credibility, a classification must have expected losses of at least: \$47,245,972 for indemnity and \$17,573,652 for medical.

The partial credibilities formula is:

$$z = [(\text{expected losses}) / (\text{full credibility standard})]^{0.5}$$

For the national pure premiums, credibility is determined from the number of lost-time claims. Full credibility standards are: 2,300 lost-time claims for indemnity and 2,000 lost-time claims for medical.

Partial credibilities are assigned using a credibility formula similar to that used for indicated pure premiums but based on the number of national cases. In no case is the national credibility permitted to exceed 50% of the complement of the state credibility.

National Credibility equals the smaller of:

$$[(\text{national cases}) / (\text{full credibility standard})]^{0.5} \text{ and } [(1 - \text{state credibility}) / 2]$$

The residual credibility (100% minus the sum of the state and national credibilities) is assigned to the present on rate level pure premium.

For example, if the state credibility is 40%, the national pure premium is assigned a maximum credibility of 30% $((100 - 40) / 2)$. The remainder is assigned to the present on rate level pure premium.

The total pure premium shown on the attached Appendix B-IV is obtained by adding the indemnity and medical partial pure premiums obtained above and rounding the sum to two decimal places.

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Appendix B-II

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CLASS 0005		FARM: NURSERY EMPLOYEES & DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	103,862,767	4	23,869	18	164,039	57,829	242,937	488,674	0.47	
1/18 through 12/18	99,814,355	7	309,545	23	191,389	336,195	658,760	1,495,889	1.50	
1/19 through 12/19	116,767,692	4	27,206	24	550,943	36,964	713,869	1,328,982	1.14	
1/20 through 12/20	119,394,902	1	3,944	26	533,680	12,500	522,610	1,072,734	0.90	
1/21 through 12/21	137,321,967	3	347,346	21	207,846	449,131	363,424	1,367,747	1.00	
5 YR. TOTAL	577,161,683	19	711,910	112	1,647,897	892,619	2,501,600	5,754,026	1.00	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		26%	0.409	45%	0.588	1.00				
Pure Premium Indicated by National Relativity		37%	0.610	27%	0.557	1.17				
Pure Premium Present on Rate Level		37%	0.555	28%	0.620	1.18				
Pure Premium Derived by Formula		0.537			0.589		1.13			

CLASS 0008		FARM: GARDENING-MARKET OR TRUCK-& DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	102,916,182	2	97,039	17	238,941	63,196	223,950	623,126	0.61	
1/18 through 12/18	101,737,528	2	58,265	15	208,993	118,273	231,328	616,859	0.61	
1/19 through 12/19	118,525,726	7	224,958	19	126,278	684,943	516,077	1,552,256	1.31	
1/20 through 12/20	128,043,574	4	472,916	14	355,468	195,510	329,576	1,353,470	1.06	
1/21 through 12/21	148,587,189	0	0	7	33,955	0	94,950	128,905	0.09	
5 YR. TOTAL	599,810,199	15	853,178	72	963,635	1,061,922	1,395,881	4,274,616	0.71	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		24%	0.303	40%	0.410	0.71				
Pure Premium Indicated by National Relativity		38%	0.504	30%	0.514	1.02				
Pure Premium Present on Rate Level		38%	0.434	30%	0.468	0.90				
Pure Premium Derived by Formula		0.429			0.459		0.89			

CLASS 0016		FARM - ORCHARD OR GROVE & DRIVERS								
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	3,580,806	0	0	1	18,102	0	37,982	56,084	1.57	
1/18 through 12/18	3,998,920	0	0	1	10,668	0	18,327	28,995	0.73	
1/19 through 12/19	4,309,554	0	0	0	0	0	1,606	1,606	0.04	
1/20 through 12/20	4,358,483	0	0	1	1,845	0	8,975	10,820	0.25	
1/21 through 12/21	4,491,806	0	0	1	2,974	0	4,510	7,484	0.17	
5 YR. TOTAL	20,739,569	0	0	4	33,589	0	71,400	104,989	0.51	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		6%	0.162	10%	0.344	0.51				
Pure Premium Indicated by National Relativity		47%	0.815	45%	0.894	1.71				
Pure Premium Present on Rate Level		47%	0.818	45%	0.912	1.73				
Pure Premium Derived by Formula		0.777			0.847		1.62			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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EFFECTIVE 4/1/2025

CLASS 0034		FARM: POULTRY OR EGG PRODUCER & DRIVERS								
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	108,201,163	6	345,551	28	378,523	182,956	338,587	1,245,617	1.15	
1/18 through 12/18	119,309,015	5	265,727	45	1,029,167	279,654	1,345,042	2,919,590	2.45	
1/19 through 12/19	132,752,671	4	57,003	37	1,291,704	31,929	1,006,293	2,386,929	1.80	
1/20 through 12/20	143,847,401	9	396,445	31	757,840	167,803	612,067	1,934,155	1.34	
1/21 through 12/21	145,841,562	3	149,865	24	778,324	93,173	552,473	1,573,835	1.08	
5 YR. TOTAL	649,951,812	27	1,214,591	165	4,235,558	755,515	3,854,462	10,060,126	1.55	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		32%	0.839	53%	0.709	1.55				
Pure Premium Indicated by National Relativity		34%	0.707	23%	0.620	1.33				
Pure Premium Present on Rate Level		34%	0.720	24%	0.746	1.47				
Pure Premium Derived by Formula		0.754			0.697		1.45			

CLASS 0035		FARM: FLORIST & DRIVERS								
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	57,090,731	0	0	24	200,733	0	287,611	488,344	0.86	
1/18 through 12/18	59,440,371	2	30,544	16	127,521	49,918	221,716	429,699	0.72	
1/19 through 12/19	63,716,565	1	21,165	22	355,764	3,002	444,683	824,614	1.30	
1/20 through 12/20	69,536,347	2	141,204	21	206,252	162,611	426,560	936,627	1.35	
1/21 through 12/21	68,908,105	1	46,802	18	269,457	75,394	408,508	800,161	1.16	
5 YR. TOTAL	318,692,119	6	239,715	101	1,159,727	290,925	1,789,078	3,479,445	1.09	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		16%	0.439	30%	0.653	1.09				
Pure Premium Indicated by National Relativity		42%	0.422	35%	0.431	0.85				
Pure Premium Present on Rate Level		42%	0.391	35%	0.493	0.88				
Pure Premium Derived by Formula		0.412			0.519		0.93			

CLASS 0036		FARM: DAIRY & DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	13,388,400	0	0	3	13,968	0	43,691	57,659	0.43	
1/18 through 12/18	15,595,760	1	24,871	1	2,471	4,416	8,717	40,475	0.26	
1/19 through 12/19	15,960,984	0	0	3	264,241	0	63,321	327,562	2.05	
1/20 through 12/20	17,154,432	0	0	3	71,697	0	194,626	266,323	1.55	
1/21 through 12/21	18,106,095	0	0	4	26,611	0	48,441	75,052	0.42	
5 YR. TOTAL	80,205,671	1	24,871	14	378,988	4,416	358,796	767,071	0.96	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		12%	0.504	17%	0.453	0.96				
Pure Premium Indicated by National Relativity		44%	1.095	41%	0.742	1.84				
Pure Premium Present on Rate Level		44%	0.871	42%	0.626	1.50				
Pure Premium Derived by Formula		0.926			0.644		1.57			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 0037		FARM: FIELD CROPS & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	247,723,765	13	222,506	45	1,015,049	562,488	1,271,588	3,071,631	1.24
1/18 through 12/18	240,679,353	7	820,079	44	922,803	634,631	1,336,750	3,714,263	1.54
1/19 through 12/19	238,448,887	6	329,858	46	560,503	369,678	881,040	2,141,079	0.90
1/20 through 12/20	243,811,087	13	843,809	39	987,931	1,318,746	1,093,512	4,243,998	1.74
1/21 through 12/21	270,638,073	3	520,709	41	693,377	558,137	921,665	2,693,888	1.00
5 YR. TOTAL	1,241,301,165	42	2,736,961	215	4,179,663	3,443,680	5,504,555	15,864,859	1.28
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		43%	0.557	73%	0.721	1.28			
Pure Premium Indicated by National Relativity		28%	0.946	13%	0.807	1.75			
Pure Premium Present on Rate Level		29%	0.690	14%	0.758	1.45			
Pure Premium Derived by Formula		0.704			0.737			1.44	

CLASS 0042		LANDSCAPE GARDENING & DRIVERS							
Industry Group: Contracting Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	282,271,730	22	991,227	124	2,106,351	644,327	2,307,613	6,049,518	2.14
1/18 through 12/18	301,065,172	15	517,044	106	1,292,957	343,832	1,579,348	3,733,181	1.24
1/19 through 12/19	336,033,106	14	616,332	112	2,303,647	617,463	1,680,874	5,218,316	1.55
1/20 through 12/20	369,737,486	20	1,103,688	116	2,831,707	1,307,491	2,850,656	8,093,542	2.19
1/21 through 12/21	421,474,344	13	632,017	97	2,204,249	255,496	2,368,527	5,460,289	1.30
5 YR. TOTAL	1,710,581,838	84	3,860,308	555	10,738,911	3,168,609	10,787,018	28,554,846	1.67
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		59%	0.853	91%	0.816	1.67			
Pure Premium Indicated by National Relativity		20%	1.285	4%	1.035	2.32			
Pure Premium Present on Rate Level		21%	0.972	5%	0.850	1.82			
Pure Premium Derived by Formula		0.964			0.826			1.79	

CLASS 0050		FARM MACHINERY OPERATION-BY CONTRACTOR-& DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	11,513,531	0	0	5	141,424	0	276,628	418,052	3.63
1/18 through 12/18	14,027,934	0	0	5	170,104	0	217,974	388,078	2.77
1/19 through 12/19	12,555,123	2	103,721	2	10,327	30,501	12,554	157,103	1.25
1/20 through 12/20	14,770,760	1	126,242	5	126,503	43,276	148,068	444,089	3.01
1/21 through 12/21	16,258,211	0	0	5	82,890	0	143,464	226,354	1.39
5 YR. TOTAL	69,125,559	3	229,963	22	531,248	73,777	798,688	1,633,676	2.36
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	1.101	21%	1.262	2.36			
Pure Premium Indicated by National Relativity		43%	1.383	39%	1.036	2.42			
Pure Premium Present on Rate Level		43%	1.378	40%	1.166	2.54			
Pure Premium Derived by Formula		1.341			1.135			2.48	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 0079		FARM: BERRY OR VINEYARD & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	26,611,811	0	0	2	8,164	0	13,285	21,449	0.08
1/18 through 12/18	30,846,552	0	0	3	1,514	0	12,902	14,416	0.05
1/19 through 12/19	32,675,063	0	0	2	31,009	0	33,355	64,364	0.20
1/20 through 12/20	32,566,641	0	0	4	163,540	0	71,375	234,915	0.72
1/21 through 12/21	33,914,774	0	0	1	26,943	0	46,858	73,801	0.22
5 YR. TOTAL	156,614,841	0	0	12	231,170	0	177,775	408,945	0.26
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		13%	0.148	19%	0.114			0.26	
Pure Premium Indicated by National Relativity		27%	0.617	29%	0.536			1.15	
Pure Premium Present on Rate Level		60%	0.470	52%	0.405			0.88	
Pure Premium Derived by Formula		0.468			0.388		0.86		

CLASS 0083		FARM: CATTLE OR LIVESTOCK RAISING NOC & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	168,877,536	7	191,176	57	824,310	200,716	785,477	2,001,679	1.19
1/18 through 12/18	170,202,560	8	557,768	47	734,780	406,132	859,746	2,558,426	1.50
1/19 through 12/19	176,444,916	7	506,795	46	968,039	368,065	1,544,116	3,387,015	1.92
1/20 through 12/20	182,831,788	12	291,029	62	802,251	198,069	1,303,485	2,594,834	1.42
1/21 through 12/21	179,278,645	7	160,983	39	1,161,407	108,160	1,159,583	2,590,133	1.45
5 YR. TOTAL	877,635,445	41	1,707,751	251	4,490,787	1,281,142	5,652,407	13,132,087	1.50
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		41%	0.706	66%	0.790			1.50	
Pure Premium Indicated by National Relativity		29%	1.145	17%	1.025			2.17	
Pure Premium Present on Rate Level		30%	0.878	17%	0.853			1.73	
Pure Premium Derived by Formula		0.885			0.841		1.73		

CLASS 0106		TREE PRUNING, SPRAYING, REPAIRING -- ALL OPERATIONS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	39,499,915	6	210,405	31	811,272	265,702	831,265	2,118,644	5.36
1/18 through 12/18	48,669,504	9	292,485	25	766,255	461,363	523,287	2,043,390	4.20
1/19 through 12/19	53,849,109	5	392,332	24	804,669	520,935	469,176	2,187,112	4.06
1/20 through 12/20	57,450,944	2	177,805	28	721,844	460,139	651,538	2,011,326	3.50
1/21 through 12/21	67,376,188	5	318,778	33	1,243,075	767,205	1,220,012	3,549,070	5.27
5 YR. TOTAL	266,845,660	27	1,391,805	141	4,347,115	2,475,344	3,695,278	11,909,542	4.46
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		37%	2.151	63%	2.312			4.46	
Pure Premium Indicated by National Relativity		31%	2.558	18%	2.023			4.58	
Pure Premium Present on Rate Level		32%	2.408	19%	2.601			5.01	
Pure Premium Derived by Formula		2.359			2.315		4.67		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 0113		FARM: FISH HATCHERY & DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	2,532,692	0	0	2	24,064	0	26,562	50,626	2.00	
1/18 through 12/18	2,468,132	0	0	0	0	0	3,009	3,009	0.12	
1/19 through 12/19	2,661,109	0	0	1	4,712	0	13,975	18,687	0.70	
1/20 through 12/20	2,842,354	0	0	1	1,700	0	16,199	17,899	0.63	
1/21 through 12/21	3,002,095	0	0	1	65,269	0	56,895	122,164	4.07	
5 YR. TOTAL	13,506,382	0	0	5	95,745	0	116,640	212,385	1.57	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		5%	0.709	8%	0.864	1.57				
Pure Premium Indicated by National Relativity		25%	0.831	27%	0.559	1.39				
Pure Premium Present on Rate Level		70%	0.795	65%	0.822	1.62				
Pure Premium Derived by Formula		0.800			0.754		1.55			

CLASS 0170		FARM: ANIMAL RAISING & DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	677,348	1	88	0	0	4,960	0	5,048	0.75	
1/18 through 12/18	821,832	0	0	0	0	0	0	0	0.00	
1/19 through 12/19	938,014	0	0	1	1,271	0	4,254	5,525	0.59	
1/20 through 12/20	609,834	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	436,631	0	0	1	89,344	0	50,149	139,493	31.95	
5 YR. TOTAL	3,483,659	1	88	2	90,615	4,960	54,403	150,066	4.31	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		2%	2.604	3%	1.704	4.31				
Pure Premium Indicated by National Relativity		11%	0.339	12%	0.281	0.62				
Pure Premium Present on Rate Level		87%	0.508	85%	0.405	0.91				
Pure Premium Derived by Formula		0.531			0.429		0.96			

CLASS 0251		IRRIGATION WORKS OPERATION & DRIVERS								
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	494,298	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	811,809	0	0	1	6,445	0	2,388	8,833	1.09	
1/19 through 12/19	690,226	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	212,175	0	0	1	31,781	0	40,393	72,174	34.02	
1/21 through 12/21	278,271	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	2,486,779	0	0	2	38,226	0	42,781	81,007	3.26	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		2%	1.537	4%	1.720	3.26				
Pure Premium Indicated by National Relativity		31%	0.980	33%	0.870	1.85				
Pure Premium Present on Rate Level		67%	0.989	63%	0.898	1.89				
Pure Premium Derived by Formula		0.997			0.922		1.92			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 0401		COTTON GIN OPERATION & LOCAL MANAGERS, DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	7,979,950	1	5,897	2	5,628	44,346	21,359	77,230	0.97
1/18 through 12/18	8,870,310	0	0	7	58,323	0	138,114	196,437	2.22
1/19 through 12/19	10,864,649	0	0	3	74,496	0	113,642	188,138	1.73
1/20 through 12/20	8,632,905	0	0	0	0	0	5,211	5,211	0.06
1/21 through 12/21	10,431,187	0	0	2	27,839	0	19,963	47,802	0.46
5 YR. TOTAL	46,779,001	1	5,897	14	166,286	44,346	298,289	514,818	1.10
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		12%	0.368	21%	0.732			1.10	
Pure Premium Indicated by National Relativity		21%	1.976	23%	2.290			4.27	
Pure Premium Present on Rate Level		67%	1.541	56%	1.703			3.24	
Pure Premium Derived by Formula		1.492			1.634		3.13		

CLASS 0908 + +		DOMESTIC WORKERS - RESIDENCES - PART-TIME							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	EXPOSURE	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,065	0	0	3	54,904	0	47,059	101,963	101.30
1/18 through 12/18	14,234	0	0	4	96,174	0	107,690	203,864	143.22
1/19 through 12/19	15,748	0	0	0	0	0	0	0	0.00
1/20 through 12/20	19,767	0	0	2	11,906	0	39,962	51,868	26.24
1/21 through 12/21	20,705	1	5,286	0	0	9,726	0	15,012	7.25
5 YR. TOTAL	80,519	1	5,286	9	162,984	9,726	194,711	372,707	46.29
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.**	CRED.	PURE PREM.**			PURE PREM.**	
Indicated Pure Premium		8%	20.898	13%	25.390			46.29	
Pure Premium Indicated by National Relativity		18%	39.822	19%	30.145			69.97	
Pure Premium Present on Rate Level		74%	37.004	68%	34.069			71.07	
Pure Premium Derived by Formula		36.223			32.195		68.42		

CLASS 0913 + +		DOMESTIC WORKERS - RESIDENCES - FULL-TIME							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	EXPOSURE	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	11,709	0	0	1	1,529	0	20,919	22,448	19.17
1/18 through 12/18	14,850	2	136,883	1	4,563	130,086	10,271	281,803	189.77
1/19 through 12/19	17,043	0	0	5	29,072	0	32,670	61,742	36.23
1/20 through 12/20	17,896	1	11,510	0	0	5,925	2,827	20,262	11.32
1/21 through 12/21	19,429	1	302,676	2	111,577	86,462	161,954	662,669	341.07
5 YR. TOTAL	80,927	4	451,069	9	146,741	222,473	228,641	1,048,924	129.61
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.**	CRED.	PURE PREM.**			PURE PREM.**	
Indicated Pure Premium		13%	73.870	19%	55.743			129.61	
Pure Premium Indicated by National Relativity		34%	107.059	36%	78.327			185.39	
Pure Premium Present on Rate Level		53%	97.093	45%	77.571			174.66	
Pure Premium Derived by Formula		97.462			73.696		171.16		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 0917		RESIDENTIAL CLEANING SERVICES BY CONTRACTOR - INSIDE							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	22,004,040	6	96,645	10	153,425	120,629	143,352	514,051	2.34
1/18 through 12/18	24,618,581	1	16,048	10	179,254	19,894	123,994	339,190	1.38
1/19 through 12/19	28,808,900	2	101,914	14	154,800	44,103	106,512	407,329	1.41
1/20 through 12/20	33,509,327	2	15,963	9	113,404	13,081	112,356	254,804	0.76
1/21 through 12/21	43,412,769	3	278,753	14	85,643	122,033	82,864	569,293	1.31
5 YR. TOTAL	152,353,617	14	509,323	57	686,526	319,740	569,078	2,084,667	1.37
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		16%	0.785	27%	0.583			1.37	
Pure Premium Indicated by National Relativity		42%	0.847	36%	0.661			1.51	
Pure Premium Present on Rate Level		42%	0.792	37%	0.807			1.60	
Pure Premium Derived by Formula		0.814			0.694		1.51		

CLASS 1005		COAL MINING-SURFACE & DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		0%	0.000	0%	0.000			0.00	
Pure Premium Indicated by National Relativity		50%	1.990	50%	0.854			2.84	
Pure Premium Present on Rate Level		50%	2.075	50%	0.925			3.00	
Pure Premium Derived by Formula		2.033			0.890		2.92		

CLASS 1164		MINING NOC-NOT COAL-UNDERGROUND-& DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	331,799	0	0	0	0	0	0	0	0.00
1/18 through 12/18	472,539	0	0	0	0	0	0	0	0.00
1/19 through 12/19	332,967	0	0	0	0	0	0	0	0.00
1/20 through 12/20	293,125	0	0	0	0	0	0	0	0.00
1/21 through 12/21	103,598	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,534,028	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	0.000	2%	0.000			0.00	
Pure Premium Indicated by National Relativity		41%	1.020	44%	0.717			1.74	
Pure Premium Present on Rate Level		57%	0.932	54%	0.613			1.55	
Pure Premium Derived by Formula		0.949			0.647		1.60		

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** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 1165		MINING NOC-NOT COAL-SURFACE & DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	7,546,983	0	0	0	0	0	0	0	0.00
1/18 through 12/18	7,335,790	1	150,528	0	0	121,493	6,100	278,121	3.79
1/19 through 12/19	9,252,086	0	0	0	0	0	2,693	2,693	0.03
1/20 through 12/20	8,331,908	0	0	1	190,197	0	100,257	290,454	3.49
1/21 through 12/21	13,504,663	1	75,996	2	3,124	29,239	1,289	109,648	0.81
5 YR. TOTAL	45,971,430	2	226,524	3	193,321	150,732	110,339	680,916	1.48
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		9%	0.913	11%	0.568			1.48	
Pure Premium Indicated by National Relativity		37%	0.810	39%	0.502			1.31	
Pure Premium Present on Rate Level		54%	0.759	50%	0.472			1.23	
Pure Premium Derived by Formula		0.792			0.494		1.29		

CLASS 1320		OIL OR GAS LEASE OPERATOR-ALL OPERATIONS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	381,337	0	0	0	0	0	0	0	0.00
1/18 through 12/18	1,087,387	0	0	0	0	0	0	0	0.00
1/19 through 12/19	1,755,052	0	0	0	0	0	0	0	0.00
1/20 through 12/20	1,063,040	0	0	0	0	0	0	0	0.00
1/21 through 12/21	907,308	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	5,194,124	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	0.000	3%	0.000			0.00	
Pure Premium Indicated by National Relativity		49%	0.555	48%	0.328			0.88	
Pure Premium Present on Rate Level		49%	0.492	49%	0.338			0.83	
Pure Premium Derived by Formula		0.513			0.323		0.84		

CLASS 1322		OIL OR GAS - WELL - CLEANING OR SWABBING OF WELLS BY SPECIALIST CONTRACTOR - NO DRILLING & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,721	0	0	0	0	0	0	0	0.00
1/18 through 12/18	2,520	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	4,241	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		0%	0.000	0%	0.000			0.00	
Pure Premium Indicated by National Relativity		39%	2.320	41%	1.397			3.72	
Pure Premium Present on Rate Level		61%	2.242	59%	1.332			3.57	
Pure Premium Derived by Formula		2.272			1.359		3.63		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 1430		SMELTING, SINTERING OR REFINING-LEAD-& DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,073,967	0	0	0	0	0	0	0	0.00
1/18 through 12/18	1,334,330	0	0	2	123,507	0	47,092	170,599	12.79
1/19 through 12/19	723,531	0	0	1	23,480	0	7,182	30,662	4.24
1/20 through 12/20	137,938	0	0	0	0	0	0	0	0.00
1/21 through 12/21	96,753	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	3,366,519	0	0	3	146,987	0	54,274	201,261	5.98
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	4.366	5%	1.612	5.98			
Pure Premium Indicated by National Relativity		15%	0.774	16%	0.658	1.43			
Pure Premium Present on Rate Level		82%	1.113	79%	1.108	2.22			
Pure Premium Derived by Formula		1.160			1.061			2.22	

CLASS 1438		SMELTING, SINTERING OR REFINING-METALS-NOT IRON OR LEAD-NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	36,945,606	1	13,663	6	388,364	0	288,592	690,619	1.87
1/18 through 12/18	37,586,889	0	0	6	241,998	0	168,439	410,437	1.09
1/19 through 12/19	39,678,770	0	0	7	635,192	0	392,286	1,027,478	2.59
1/20 through 12/20	26,635,847	0	0	4	120,231	0	97,478	217,709	0.82
1/21 through 12/21	29,704,223	0	0	3	87,287	0	40,173	127,460	0.43
5 YR. TOTAL	170,551,335	1	13,663	26	1,473,072	0	986,968	2,473,703	1.45
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.872	25%	0.579	1.45			
Pure Premium Indicated by National Relativity		41%	0.663	37%	0.582	1.25			
Pure Premium Present on Rate Level		41%	0.908	38%	0.671	1.58			
Pure Premium Derived by Formula		0.801			0.615			1.42	

CLASS 1452		ORE MILLING & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	5,389,558	0	0	0	0	0	933	933	0.02
1/18 through 12/18	6,892,189	0	0	0	0	0	10,344	10,344	0.15
1/19 through 12/19	7,442,033	0	0	0	0	0	14,300	14,300	0.19
1/20 through 12/20	7,071,488	0	0	0	0	0	12,666	12,666	0.18
1/21 through 12/21	12,811,092	0	0	0	0	0	19	19	0.00
5 YR. TOTAL	39,606,360	0	0	0	0	0	38,262	38,262	0.10
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.000	9%	0.097	0.10			
Pure Premium Indicated by National Relativity		26%	0.471	27%	0.375	0.85			
Pure Premium Present on Rate Level		68%	0.508	64%	0.351	0.86			
Pure Premium Derived by Formula		0.468			0.335			0.80	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 1463		ASPHALT WORKS OPERATED BY PAVING CONTRACTORS - PERMANENT LOCATION & DRIVERS							
Industry Group: Manufacturing Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	38,390,823	3	165,995	11	469,151	128,828	346,459	1,110,433	2.89
1/18 through 12/18	41,150,287	2	221,493	7	302,555	72,947	259,208	856,203	2.08
1/19 through 12/19	37,431,442	2	145,375	5	156,853	127,672	139,489	569,389	1.52
1/20 through 12/20	35,115,957	3	394,850	11	255,249	105,924	225,565	981,588	2.80
1/21 through 12/21	40,133,611	1	25,995	12	778,062	45,732	506,070	1,355,859	3.38
5 YR. TOTAL	192,222,120	11	953,708	46	1,961,870	481,103	1,476,791	4,873,472	2.54
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		27%	1.517	39%	1.019				2.54
Pure Premium Indicated by National Relativity		36%	1.873	30%	1.465				3.34
Pure Premium Present on Rate Level		37%	1.902	31%	1.462				3.36
Pure Premium Derived by Formula		1.788			1.290			3.08	

CLASS 1472		DISTILLATION-WOOD-& DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	429,947	0	0	0	0	0	0	0	0.00
1/18 through 12/18	427,671	0	0	1	343	0	1,567	1,910	0.45
1/19 through 12/19	531,813	0	0	0	0	0	0	0	0.00
1/20 through 12/20	91,863	0	0	0	0	0	0	0	0.00
1/21 through 12/21	46,392	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,527,686	0	0	1	343	0	1,567	1,910	0.13
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.022	2%	0.103				0.13
Pure Premium Indicated by National Relativity		20%	0.736	21%	0.640				1.38
Pure Premium Present on Rate Level		79%	0.615	77%	0.477				1.09
Pure Premium Derived by Formula		0.633			0.504			1.14	

CLASS 1624		QUARRY NOC & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	84,304,536	3	581,887	6	94,403	117,345	125,804	919,439	1.09
1/18 through 12/18	98,072,589	2	213,928	9	211,011	50,658	202,472	678,069	0.69
1/19 through 12/19	99,690,570	2	214,805	10	570,495	74,479	274,387	1,134,166	1.14
1/20 through 12/20	159,330,041	2	16,579	10	684,371	58,909	799,130	1,558,989	0.98
1/21 through 12/21	116,519,561	0	0	7	154,354	0	212,603	366,957	0.31
5 YR. TOTAL	557,917,297	9	1,027,199	42	1,714,634	301,391	1,614,396	4,657,620	0.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		30%	0.491	41%	0.343				0.83
Pure Premium Indicated by National Relativity		35%	0.929	29%	0.717				1.65
Pure Premium Present on Rate Level		35%	0.785	30%	0.531				1.32
Pure Premium Derived by Formula		0.747			0.508			1.26	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 1642		LIME MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	398,694	0	0	0	0	0	0	0	0.00
1/18 through 12/18	426,060	0	0	0	0	0	0	0	0.00
1/19 through 12/19	371,823	0	0	0	0	0	0	0	0.00
1/20 through 12/20	301,447	0	0	0	0	0	0	0	0.00
1/21 through 12/21	78,802	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,576,826	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	2%	0.000	0.00			
Pure Premium Indicated by National Relativity		22%	0.775	23%	0.642	1.42			
Pure Premium Present on Rate Level		77%	0.559	75%	0.465	1.02			
Pure Premium Derived by Formula		0.601			0.496			1.10	

CLASS 1654		QUARRY-CEMENT ROCK-SURFACE-& DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		13%	1.181	14%	0.790	1.97			
Pure Premium Present on Rate Level		87%	2.099	86%	1.261	3.36			
Pure Premium Derived by Formula		1.980			1.195			3.18	

CLASS 1699		ROCK WOOL MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	16,162,243	0	0	4	9,871	0	15,916	25,787	0.16
1/18 through 12/18	14,386,954	0	0	5	136,792	0	66,853	203,645	1.42
1/19 through 12/19	7,454,879	0	0	3	244,573	0	273,218	517,791	6.95
1/20 through 12/20	11,397,488	0	0	2	24,317	0	31,000	55,317	0.49
1/21 through 12/21	15,003,065	1	70,715	0	0	74,287	14,979	159,981	1.07
5 YR. TOTAL	64,404,629	1	70,715	14	415,553	74,287	401,966	962,521	1.49
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.755	14%	0.739	1.49			
Pure Premium Indicated by National Relativity		23%	0.606	24%	0.511	1.12			
Pure Premium Present on Rate Level		69%	0.532	62%	0.529	1.06			
Pure Premium Derived by Formula		0.567			0.554			1.12	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 1701		CEMENT MFG								
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	6,876,788	0	0	1	3,583	0	14,742	18,325	0.27	
1/18 through 12/18	8,484,325	0	0	1	3,862	0	8,161	12,023	0.14	
1/19 through 12/19	9,675,131	0	0	1	12,059	0	4,496	16,555	0.17	
1/20 through 12/20	11,785,839	0	0	2	13,437	0	27,364	40,801	0.35	
1/21 through 12/21	9,252,092	0	0	0	0	0	3,480	3,480	0.04	
5 YR. TOTAL	46,074,175	0	0	5	32,941	0	58,243	91,184	0.20	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		7%	0.071	11%	0.126	0.20				
Pure Premium Indicated by National Relativity		42%	0.566	44%	0.484	1.05				
Pure Premium Present on Rate Level		51%	0.567	45%	0.496	1.06				
Pure Premium Derived by Formula		0.532			0.450		0.98			

CLASS 1710		STONE CRUSHING & DRIVERS								
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	4,681,339	1	4,880	1	5,865	0	15,315	26,060	0.56	
1/18 through 12/18	5,092,876	0	0	2	116,041	0	72,606	188,647	3.70	
1/19 through 12/19	10,348,660	0	0	4	110,324	0	67,087	177,411	1.71	
1/20 through 12/20	9,644,141	1	282,388	1	6,459	122,887	8,440	420,174	4.36	
1/21 through 12/21	6,304,643	0	0	2	156,138	0	49,743	205,881	3.27	
5 YR. TOTAL	36,071,659	2	287,268	10	394,827	122,887	213,191	1,018,173	2.82	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		9%	1.891	13%	0.932	2.82				
Pure Premium Indicated by National Relativity		24%	0.767	26%	0.581	1.35				
Pure Premium Present on Rate Level		67%	1.054	61%	0.852	1.91				
Pure Premium Derived by Formula		1.060			0.792		1.85			

CLASS 1747		EMERY WORKS & DRIVERS								
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	1,202,616	0	0	0	0	0	678	678	0.06	
1/18 through 12/18	1,068,647	1	84,086	0	0	0	0	84,086	7.87	
1/19 through 12/19	1,140,120	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	1,009,156	0	0	0	0	0	206	206	0.02	
1/21 through 12/21	1,329,552	0	0	0	0	0	623	623	0.05	
5 YR. TOTAL	5,750,091	1	84,086	0	0	0	1,507	85,593	1.49	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		3%	1.462	3%	0.026	1.49				
Pure Premium Indicated by National Relativity		15%	0.970	16%	0.608	1.58				
Pure Premium Present on Rate Level		82%	0.642	81%	0.383	1.03				
Pure Premium Derived by Formula		0.716			0.408		1.12			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 1748		ABRASIVE WHEEL MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/17 through 12/17	29,966	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	23,756	0	0	0	0	0	0	0	0.00
1/20 through 12/20	2,420	0	0	0	0	0	0	0	0.00
1/21 through 12/21	7,754	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	63,896	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	1%	0.000	0.00			
Pure Premium Indicated by National Relativity		13%	0.730	14%	0.708	1.44			
Pure Premium Present on Rate Level		87%	0.779	85%	0.982	1.76			
Pure Premium Derived by Formula		0.773			0.934			1.71	

CLASS 1803		STONE CUTTING OR POLISHING NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/17 through 12/17	32,944,777	3	87,204	18	357,858	103,457	426,608	975,127	2.96
1/18 through 12/18	34,683,534	3	165,723	15	574,202	209,753	306,205	1,255,883	3.62
1/19 through 12/19	39,194,779	1	83,545	9	306,156	91,093	305,691	786,485	2.01
1/20 through 12/20	40,331,817	1	75,422	7	213,221	34,662	484,033	807,338	2.00
1/21 through 12/21	45,195,283	1	48,485	10	221,385	32,572	133,765	436,207	0.97
5 YR. TOTAL	192,350,190	9	460,379	59	1,672,822	471,537	1,656,302	4,261,040	2.22
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	1.109	38%	1.106	2.22			
Pure Premium Indicated by National Relativity		38%	1.165	31%	1.052	2.22			
Pure Premium Present on Rate Level		39%	1.300	31%	1.329	2.63			
Pure Premium Derived by Formula		1.205			1.158			2.36	

CLASS 1924		WIRE DRAWING OR CABLE MFG - NOT IRON OR STEEL							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/17 through 12/17	23,131,923	3	181,819	1	1,236	45,944	9,307	238,306	1.03
1/18 through 12/18	24,867,230	2	66,178	7	271,931	65,917	148,924	552,950	2.22
1/19 through 12/19	24,303,601	3	197,130	3	206,522	126,393	100,870	630,915	2.60
1/20 through 12/20	20,463,371	2	178,569	1	31,859	46,141	23,084	279,653	1.37
1/21 through 12/21	23,531,996	1	11,911	4	130,650	10,634	87,966	241,161	1.03
5 YR. TOTAL	116,298,121	11	635,607	16	642,198	295,029	370,151	1,942,985	1.67
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	1.099	19%	0.572	1.67			
Pure Premium Indicated by National Relativity		32%	0.564	35%	0.515	1.08			
Pure Premium Present on Rate Level		55%	0.705	46%	0.572	1.28			
Pure Premium Derived by Formula		0.711			0.552			1.26	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 1925		DIE CASTING MFG								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	22,861,810	1	170,207	13	322,621	82,045	145,353	720,226	3.15	
1/18 through 12/18	21,904,937	0	0	13	206,513	0	158,260	364,773	1.67	
1/19 through 12/19	30,592,220	2	236,417	10	258,271	100,047	158,756	753,491	2.46	
1/20 through 12/20	26,807,144	3	303,162	11	206,473	96,760	307,935	914,330	3.41	
1/21 through 12/21	29,064,911	2	110,754	2	48,885	68,410	29,612	257,661	0.89	
5 YR. TOTAL	131,231,022	8	820,540	49	1,042,763	347,262	799,916	3,010,481	2.29	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		14%	1.420	25%	0.874	2.29				
Pure Premium Indicated by National Relativity		39%	0.539	37%	0.484	1.02				
Pure Premium Present on Rate Level		47%	0.771	38%	0.836	1.61				
Pure Premium Derived by Formula		0.771			0.715		1.49			

CLASS 2002		PASTA OR NOODLE MFG								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	2,210,300	0	0	0	0	0	161	161	0.01	
1/18 through 12/18	2,040,175	0	0	3	89,290	0	16,498	105,788	5.19	
1/19 through 12/19	2,238,534	0	0	1	12,428	0	0	12,428	0.56	
1/20 through 12/20	2,093,161	0	0	1	54,585	0	53,852	108,437	5.18	
1/21 through 12/21	2,746,109	0	0	1	10,639	0	1,111	11,750	0.43	
5 YR. TOTAL	11,328,279	0	0	6	166,942	0	71,622	238,564	2.11	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		4%	1.474	6%	0.632	2.11				
Pure Premium Indicated by National Relativity		28%	0.704	30%	0.667	1.37				
Pure Premium Present on Rate Level		68%	0.785	64%	0.610	1.40				
Pure Premium Derived by Formula		0.790			0.628		1.42			

CLASS 2003		BAKERY - SALESPERSONS & DRIVERS								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	251,516,359	16	787,964	52	979,371	371,029	886,304	3,024,668	1.20	
1/18 through 12/18	304,232,078	13	284,222	77	1,374,743	139,463	1,253,325	3,051,753	1.00	
1/19 through 12/19	326,268,493	12	650,245	70	1,503,675	442,941	1,144,019	3,740,880	1.15	
1/20 through 12/20	366,442,751	17	966,304	86	2,664,390	728,531	1,702,824	6,062,049	1.66	
1/21 through 12/21	428,926,569	12	1,108,530	89	2,421,239	1,170,759	1,779,494	6,480,022	1.51	
5 YR. TOTAL	1,677,386,250	70	3,797,265	374	8,943,418	2,852,723	6,765,966	22,359,372	1.33	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		49%	0.760	69%	0.573	1.33				
Pure Premium Indicated by National Relativity		25%	0.850	15%	0.643	1.49				
Pure Premium Present on Rate Level		26%	0.694	16%	0.505	1.20				
Pure Premium Derived by Formula		0.765			0.573		1.34			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2014		GRAIN OR FEED MILLING								
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	48,344,570	1	94,010	10	368,438	242,555	610,424	1,315,427	2.72	
1/18 through 12/18	48,078,929	3	81,316	8	537,982	94,927	610,765	1,324,990	2.76	
1/19 through 12/19	50,451,301	1	74,801	12	339,456	12,096	433,747	860,100	1.71	
1/20 through 12/20	51,630,545	0	0	9	136,552	0	110,339	246,891	0.48	
1/21 through 12/21	57,174,689	2	68,941	10	244,215	137,163	329,670	779,989	1.37	
5 YR. TOTAL	255,680,034	7	319,068	49	1,626,643	486,741	2,094,945	4,527,397	1.77	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		21%	0.761	36%	1.010	1.77				
Pure Premium Indicated by National Relativity		39%	1.046	32%	0.816	1.86				
Pure Premium Present on Rate Level		40%	0.876	32%	0.935	1.81				
Pure Premium Derived by Formula		0.918			0.924		1.84			

CLASS 2016		CEREAL OR BAR MFG.								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	12,665,522	0	0	4	136,699	0	156,506	293,205	2.32	
1/18 through 12/18	12,522,325	0	0	2	33,013	0	24,630	57,643	0.46	
1/19 through 12/19	12,906,888	0	0	0	0	0	290	290	0.00	
1/20 through 12/20	15,776,589	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	14,363,250	0	0	3	12,904	0	14,829	27,733	0.19	
5 YR. TOTAL	68,234,574	0	0	9	182,616	0	196,255	378,871	0.56	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		9%	0.268	12%	0.288	0.56				
Pure Premium Indicated by National Relativity		45%	0.799	44%	0.447	1.25				
Pure Premium Present on Rate Level		46%	0.593	44%	0.402	1.00				
Pure Premium Derived by Formula		0.656			0.408		1.06			

CLASS 2021		SUGAR MANUFACTURING OR REFINING FROM SUGAR CANE OR SUGAR BEETS								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	10,605,185	0	0	0	0	0	620	620	0.01	
1/18 through 12/18	10,170,574	0	0	0	0	0	228	228	0.00	
1/19 through 12/19	9,983,023	0	0	1	12,945	0	27,331	40,276	0.40	
1/20 through 12/20	10,968,155	1	1,142	0	0	20,225	9,282	30,649	0.28	
1/21 through 12/21	11,756,455	3	106,517	2	709,105	75,458	86,659	977,739	8.32	
5 YR. TOTAL	53,483,392	4	107,659	3	722,050	95,683	124,120	1,049,512	1.96	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		9%	1.551	13%	0.411	1.96				
Pure Premium Indicated by National Relativity		33%	0.696	35%	0.595	1.29				
Pure Premium Present on Rate Level		58%	0.672	52%	0.576	1.25				
Pure Premium Derived by Formula		0.759			0.561		1.32			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2039		ICE CREAM MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	3,743,436	0	0	0	0	0	2,974	2,974	0.08
1/18 through 12/18	3,589,461	0	0	0	0	0	2,600	2,600	0.07
1/19 through 12/19	2,662,425	0	0	0	0	0	1,435	1,435	0.05
1/20 through 12/20	4,699,518	0	0	4	26,911	0	31,919	58,830	1.25
1/21 through 12/21	5,574,788	0	0	5	168,046	0	84,526	252,572	4.53
5 YR. TOTAL	20,269,628	0	0	9	194,957	0	123,454	318,411	1.57
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		5%	0.962	8%	0.609			1.57	
Pure Premium Indicated by National Relativity		45%	0.746	46%	0.562			1.31	
Pure Premium Present on Rate Level		50%	0.579	46%	0.512			1.09	
Pure Premium Derived by Formula		0.673			0.543		1.22		

CLASS 2041		CANDY, CHOCOLATE AND CONFECTION MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	48,482,394	1	19,657	14	105,292	5,453	128,747	259,149	0.54
1/18 through 12/18	40,261,960	1	8,910	3	50,274	0	74,364	133,548	0.33
1/19 through 12/19	48,455,739	1	87,546	10	238,698	11,446	145,377	483,067	1.00
1/20 through 12/20	15,955,393	0	0	2	6,181	0	12,485	18,666	0.12
1/21 through 12/21	19,234,451	1	27,160	5	102,768	10,313	119,846	260,087	1.35
5 YR. TOTAL	172,389,937	4	143,273	34	503,213	27,212	480,819	1,154,517	0.67
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		14%	0.375	21%	0.295			0.67	
Pure Premium Indicated by National Relativity		43%	0.592	39%	0.473			1.07	
Pure Premium Present on Rate Level		43%	0.573	40%	0.440			1.01	
Pure Premium Derived by Formula		0.553			0.422		0.98		

CLASS 2065		MILK PRODUCTS MFG NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	281,090	1	30,050	0	0	4,653	0	34,703	12.35
1/18 through 12/18	441,498	0	0	0	0	0	0	0	0.00
1/19 through 12/19	1,246,488	0	0	0	0	0	0	0	0.00
1/20 through 12/20	868,718	0	0	0	0	0	209	209	0.02
1/21 through 12/21	4,651,544	0	0	2	102,194	0	19,324	121,518	2.61
5 YR. TOTAL	7,489,338	1	30,050	2	102,194	4,653	19,533	156,430	2.09
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	1.766	4%	0.323			2.09	
Pure Premium Indicated by National Relativity		29%	0.434	32%	0.351			0.79	
Pure Premium Present on Rate Level		68%	0.482	64%	0.366			0.85	
Pure Premium Derived by Formula		0.507			0.359		0.87		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2070		CREAMERY OR DAIRY & ROUTE SUPERVISORS, DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	42,384,156	3	382,495	7	368,858	290,381	286,424	1,328,158	3.13
1/18 through 12/18	42,589,388	3	329,895	12	277,451	64,788	167,063	839,197	1.97
1/19 through 12/19	31,557,355	2	239,450	5	293,339	96,290	243,305	872,384	2.76
1/20 through 12/20	43,121,810	3	326,640	12	540,933	125,689	330,721	1,323,983	3.07
1/21 through 12/21	50,856,364	3	274,321	11	570,548	139,174	231,774	1,215,817	2.39
5 YR. TOTAL	210,509,073	14	1,552,801	47	2,051,129	716,322	1,259,287	5,579,539	2.65
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	1.712	31%	0.938	2.65			
Pure Premium Indicated by National Relativity		38%	1.163	34%	0.686	1.85			
Pure Premium Present on Rate Level		39%	1.246	35%	0.822	2.07			
Pure Premium Derived by Formula		1.322			0.812			2.13	

CLASS 2081		BUTCHERING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	108,702,424	5	177,629	110	1,234,150	115,174	777,883	2,304,836	2.12
1/18 through 12/18	111,683,995	7	222,387	86	896,868	109,089	1,029,360	2,257,704	2.02
1/19 through 12/19	127,656,730	2	34,872	97	1,115,353	18,481	777,221	1,945,927	1.52
1/20 through 12/20	32,093,737	1	11,223	5	3,326	12,442	8,919	35,910	0.11
1/21 through 12/21	28,994,488	0	0	6	133,489	0	126,620	260,109	0.90
5 YR. TOTAL	409,131,374	15	446,111	304	3,383,186	255,186	2,720,003	6,804,486	1.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		26%	0.936	40%	0.727	1.66			
Pure Premium Indicated by National Relativity		37%	0.610	30%	0.636	1.25			
Pure Premium Present on Rate Level		37%	0.786	30%	0.715	1.50			
Pure Premium Derived by Formula		0.760			0.696			1.46	

CLASS 2089		PACKING HOUSE-ALL OPERATIONS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	304,789,773	23	330,233	90	1,412,170	147,357	1,074,972	2,964,732	0.97
1/18 through 12/18	302,346,493	20	500,161	61	909,089	202,618	814,544	2,426,412	0.80
1/19 through 12/19	313,364,823	22	466,557	81	1,116,192	211,813	847,795	2,642,357	0.84
1/20 through 12/20	339,690,352	11	217,589	86	1,424,977	142,807	1,018,179	2,803,552	0.83
1/21 through 12/21	322,723,522	17	352,936	53	984,604	231,683	675,455	2,244,678	0.70
5 YR. TOTAL	1,582,914,963	93	1,867,476	371	5,847,032	936,278	4,430,945	13,081,731	0.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		41%	0.487	58%	0.339	0.83			
Pure Premium Indicated by National Relativity		29%	0.622	21%	0.539	1.16			
Pure Premium Present on Rate Level		30%	0.511	21%	0.386	0.90			
Pure Premium Derived by Formula		0.533			0.391			0.92	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2095		MEAT PRODUCTS MFG NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	105,461,989	3	94,707	35	582,542	25,678	512,758	1,215,685	1.15
1/18 through 12/18	116,297,139	3	240,667	25	370,660	101,440	317,744	1,030,511	0.89
1/19 through 12/19	117,988,275	0	0	19	346,997	0	276,426	623,423	0.53
1/20 through 12/20	141,884,393	4	62,272	22	397,596	40,152	353,215	853,235	0.60
1/21 through 12/21	153,974,030	6	68,455	22	345,949	68,186	575,860	1,058,450	0.69
5 YR. TOTAL	635,605,826	16	466,101	123	2,043,744	235,456	2,036,003	4,781,304	0.75
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		30%	0.395	43%	0.357	0.75			
Pure Premium Indicated by National Relativity		35%	0.694	28%	0.635	1.33			
Pure Premium Present on Rate Level		35%	0.672	29%	0.537	1.21			
Pure Premium Derived by Formula		0.597			0.487			1.08	

CLASS 2105		FRUIT PACKING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,337,724	0	0	0	0	0	2,136	2,136	0.09
1/18 through 12/18	2,100,108	0	0	1	6,940	0	10,264	17,204	0.82
1/19 through 12/19	2,326,170	0	0	2	10,717	0	11,695	22,412	0.96
1/20 through 12/20	2,053,891	0	0	0	0	0	2,848	2,848	0.14
1/21 through 12/21	2,543,371	0	0	0	0	0	4,483	4,483	0.18
5 YR. TOTAL	11,361,264	0	0	3	17,657	0	31,426	49,083	0.43
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.155	7%	0.277	0.43			
Pure Premium Indicated by National Relativity		42%	0.924	45%	0.717	1.64			
Pure Premium Present on Rate Level		54%	0.770	48%	0.672	1.44			
Pure Premium Derived by Formula		0.810			0.665			1.48	

CLASS 2110		PICKLE MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	39,519,902	3	133,887	3	105,349	31,588	55,766	326,590	0.83
1/18 through 12/18	42,003,913	2	155,680	6	131,809	100,863	106,853	495,205	1.18
1/19 through 12/19	45,809,137	3	68,764	11	110,089	17,995	93,631	290,479	0.63
1/20 through 12/20	55,897,964	3	78,101	13	195,683	45,906	229,369	549,059	0.98
1/21 through 12/21	60,223,241	3	128,957	8	96,559	47,749	186,450	459,715	0.76
5 YR. TOTAL	243,454,157	14	565,389	41	639,489	244,101	672,069	2,121,048	0.87
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.495	27%	0.376	0.87			
Pure Premium Indicated by National Relativity		17%	1.101	19%	0.948	2.05			
Pure Premium Present on Rate Level		65%	0.652	54%	0.547	1.20			
Pure Premium Derived by Formula		0.700			0.577			1.28	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2111		CANNERY NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	68,713,634	5	377,279	10	235,185	109,945	273,348	995,757	1.45
1/18 through 12/18	69,564,042	0	0	11	165,422	0	105,276	270,698	0.39
1/19 through 12/19	81,515,885	1	5,515	2	30,032	7,864	19,936	63,347	0.08
1/20 through 12/20	92,566,814	2	66,580	4	9,372	28,303	98,012	202,267	0.22
1/21 through 12/21	92,975,958	2	70,713	10	241,872	11,444	104,883	428,912	0.46
5 YR. TOTAL	405,336,333	10	520,087	37	681,883	157,556	601,455	1,960,981	0.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	0.297	29%	0.187	0.48			
Pure Premium Indicated by National Relativity		40%	0.596	35%	0.479	1.08			
Pure Premium Present on Rate Level		40%	0.457	36%	0.362	0.82			
Pure Premium Derived by Formula		0.481			0.352			0.83	

CLASS 2112		FRUIT EVAPORATING OR PRESERVING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	998,907	0	0	0	0	0	845	845	0.09
1/18 through 12/18	976,365	2	128,852	2	2,601	60,232	3,616	195,301	20.00
1/19 through 12/19	1,485,237	1	31,919	1	11,083	16,253	9,260	68,515	4.61
1/20 through 12/20	945,618	0	0	2	8,183	0	8,586	16,769	1.77
1/21 through 12/21	2,254,565	0	0	0	0	0	8,956	8,956	0.40
5 YR. TOTAL	6,660,692	3	160,771	5	21,867	76,485	31,263	290,386	4.36
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	2.742	6%	1.618	4.36			
Pure Premium Indicated by National Relativity		41%	0.774	44%	0.676	1.45			
Pure Premium Present on Rate Level		55%	0.954	50%	0.830	1.78			
Pure Premium Derived by Formula		0.952			0.810			1.76	

CLASS 2114		OYSTER PROCESSING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	60,766	0	0	0	0	0	0	0	0.00
1/18 through 12/18	94,422	0	0	0	0	0	0	0	0.00
1/19 through 12/19	64,823	0	0	0	0	0	0	0	0.00
1/20 through 12/20	14,511	0	0	0	0	0	0	0	0.00
1/21 through 12/21	57,756	0	0	0	0	0	356	356	0.62
5 YR. TOTAL	292,278	0	0	0	0	0	356	356	0.12
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.122	0.12			
Pure Premium Indicated by National Relativity		12%	0.314	13%	0.224	0.54			
Pure Premium Present on Rate Level		87%	0.444	86%	0.423	0.87			
Pure Premium Derived by Formula		0.424			0.394			0.82	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2121		BREWERY & DRIVERS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	43,323,307	1	150,189	11	64,244	11,803	138,479	364,715	0.84
1/18 through 12/18	54,633,808	2	55,515	6	16,658	98,102	48,075	218,350	0.40
1/19 through 12/19	57,269,644	1	49,228	11	179,092	124,347	198,768	551,435	0.96
1/20 through 12/20	63,293,939	0	0	11	136,591	0	122,716	259,307	0.41
1/21 through 12/21	80,175,377	1	14,056	11	172,286	11,497	232,084	429,923	0.54
5 YR. TOTAL	298,696,075	5	268,988	50	568,871	245,749	740,122	1,823,730	0.61
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	0.281	22%	0.330	0.61			
Pure Premium Indicated by National Relativity		43%	0.277	39%	0.232	0.51			
Pure Premium Present on Rate Level		44%	0.256	39%	0.289	0.55			
Pure Premium Derived by Formula		0.268			0.276			0.54	

CLASS 2130		SPIRITUOUS LIQUOR DISTILLERY							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,419,999	0	0	0	0	0	1,562	1,562	0.04
1/18 through 12/18	3,731,688	1	28,905	2	9,254	25,886	46,979	111,024	2.98
1/19 through 12/19	3,646,166	0	0	0	0	0	548	548	0.02
1/20 through 12/20	4,197,379	0	0	0	0	0	0	0	0.00
1/21 through 12/21	5,095,038	0	0	2	40,359	0	68,645	109,004	2.14
5 YR. TOTAL	21,090,270	1	28,905	4	49,613	25,886	117,734	222,138	1.05
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.372	7%	0.681	1.05			
Pure Premium Indicated by National Relativity		33%	0.415	35%	0.374	0.79			
Pure Premium Present on Rate Level		63%	0.456	58%	0.450	0.91			
Pure Premium Derived by Formula		0.439			0.440			0.88	

CLASS 2131		SPIRITUOUS LIQUOR BOTTLING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	807,801	0	0	0	0	0	0	0	0.00
1/18 through 12/18	573,195	0	0	0	0	0	0	0	0.00
1/19 through 12/19	663,271	0	0	0	0	0	0	0	0.00
1/20 through 12/20	852,756	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,037,015	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	3,934,038	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	3%	0.000	0.00			
Pure Premium Indicated by National Relativity		26%	0.385	28%	0.323	0.71			
Pure Premium Present on Rate Level		72%	0.358	69%	0.314	0.67			
Pure Premium Derived by Formula		0.358			0.307			0.67	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2143		FRUIT JUICE MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,277,456	1	238,629	2	9,723	38,176	15,479	302,007	2.94
1/18 through 12/18	12,918,309	0	0	1	1,843	0	7,341	9,184	0.07
1/19 through 12/19	16,629,655	1	2,287	4	33,573	27,937	51,002	114,799	0.69
1/20 through 12/20	16,340,654	0	0	4	323,810	0	72,776	396,586	2.43
1/21 through 12/21	17,112,327	1	45,946	5	213,956	42,137	216,308	518,347	3.03
5 YR. TOTAL	73,278,401	3	286,862	16	582,905	108,250	362,906	1,340,923	1.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	1.187	13%	0.643	1.83			
Pure Premium Indicated by National Relativity		35%	0.450	38%	0.398	0.85			
Pure Premium Present on Rate Level		56%	0.540	49%	0.425	0.97			
Pure Premium Derived by Formula		0.567			0.443			1.01	

CLASS 2157		BOTTLING-ALL OPERATIONS & ROUTE SUPERVISORS, DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	249,170,722	14	629,163	92	716,613	307,029	745,080	2,397,885	0.96
1/18 through 12/18	269,462,374	19	973,903	91	866,035	392,669	800,281	3,032,888	1.13
1/19 through 12/19	264,879,246	12	976,039	87	1,169,346	355,971	936,747	3,438,103	1.30
1/20 through 12/20	267,426,649	17	984,874	115	2,256,910	427,316	1,336,383	5,005,483	1.87
1/21 through 12/21	314,365,206	18	1,253,411	114	2,212,321	370,225	1,282,123	5,118,080	1.63
5 YR. TOTAL	1,365,304,197	80	4,817,390	499	7,221,225	1,853,210	5,100,614	18,992,439	1.39
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		50%	0.882	63%	0.509	1.39			
Pure Premium Indicated by National Relativity		25%	0.985	18%	0.611	1.60			
Pure Premium Present on Rate Level		25%	0.884	19%	0.531	1.42			
Pure Premium Derived by Formula		0.908			0.532			1.44	

CLASS 2172		TOBACCO PRODUCTS MFG. NOC							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	138,324,465	2	146,209	15	481,146	137,965	308,058	1,073,378	0.78
1/18 through 12/18	105,596,131	2	93,806	17	390,524	55,734	429,680	969,744	0.92
1/19 through 12/19	106,852,734	2	67,188	9	550,696	32,352	510,660	1,160,896	1.09
1/20 through 12/20	105,614,647	0	0	17	493,180	0	289,214	782,394	0.74
1/21 through 12/21	123,017,150	3	311,998	11	261,246	230,727	177,244	981,215	0.80
5 YR. TOTAL	579,405,127	9	619,201	69	2,176,792	456,778	1,714,856	4,967,627	0.86
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	0.483	30%	0.375	0.86			
Pure Premium Indicated by National Relativity		23%	0.495	25%	0.305	0.80			
Pure Premium Present on Rate Level		55%	0.420	45%	0.282	0.70			
Pure Premium Derived by Formula		0.451			0.316			0.77	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2174		TOBACCO REHANDLING OR WAREHOUSING								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	47,113,541	6	88,472	12	133,308	98,812	226,217	546,809	1.16	
1/18 through 12/18	41,277,623	1	7,070	6	255,831	3,568	122,992	389,461	0.94	
1/19 through 12/19	36,030,295	0	0	10	347,897	0	449,322	797,219	2.21	
1/20 through 12/20	33,577,120	1	196,708	6	66,084	107,719	176,202	546,713	1.63	
1/21 through 12/21	37,238,974	0	0	12	285,692	0	294,112	579,804	1.56	
5 YR. TOTAL	195,237,553	8	292,250	46	1,088,812	210,099	1,268,845	2,860,006	1.47	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		15%	0.707	28%	0.758	1.47				
Pure Premium Indicated by National Relativity		9%	0.465	9%	0.829	1.29				
Pure Premium Present on Rate Level		76%	0.579	63%	0.744	1.32				
Pure Premium Derived by Formula		0.588			0.756		1.34			

CLASS 2211		COTTON BATTING, WADDING OR WASTE MFG								
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	7,278,587	0	0	3	194,557	0	179,732	374,289	5.14	
1/18 through 12/18	7,787,672	0	0	5	116,301	0	101,739	218,040	2.80	
1/19 through 12/19	7,482,635	0	0	2	57,503	0	68,289	125,792	1.68	
1/20 through 12/20	8,098,804	0	0	1	2,153	0	4,430	6,583	0.08	
1/21 through 12/21	9,196,035	0	0	3	53,806	0	94,668	148,474	1.61	
5 YR. TOTAL	39,843,733	0	0	14	424,320	0	448,858	873,178	2.19	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		11%	1.065	17%	1.127	2.19				
Pure Premium Indicated by National Relativity		15%	1.945	16%	1.997	3.94				
Pure Premium Present on Rate Level		74%	1.369	67%	1.358	2.73				
Pure Premium Derived by Formula		1.422			1.421		2.84			

CLASS 2220		YARN OR THREAD MFG-COTTON								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	168,076,531	2	14,889	50	1,259,425	41,127	1,111,401	2,426,842	1.44	
1/18 through 12/18	121,246,040	3	40,259	30	394,821	32,350	458,846	926,276	0.76	
1/19 through 12/19	215,926,811	7	400,820	38	540,818	377,985	622,928	1,942,551	0.90	
1/20 through 12/20	126,560,043	5	473,780	37	973,849	252,462	577,187	2,277,278	1.80	
1/21 through 12/21	171,773,874	5	797,836	30	654,026	261,552	441,730	2,155,144	1.25	
5 YR. TOTAL	803,583,299	22	1,727,584	185	3,822,939	965,476	3,212,092	9,728,091	1.21	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		32%	0.691	48%	0.520	1.21				
Pure Premium Indicated by National Relativity		34%	0.551	26%	0.407	0.96				
Pure Premium Present on Rate Level		34%	0.603	26%	0.508	1.11				
Pure Premium Derived by Formula		0.613			0.488		1.10			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2288		FELTING MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	47,121,984	0	0	13	202,145	0	266,878	469,023	1.00
1/18 through 12/18	51,522,981	1	21,258	17	304,497	24,549	507,628	857,932	1.67
1/19 through 12/19	46,701,401	1	33,086	12	523,714	19,764	622,757	1,199,321	2.57
1/20 through 12/20	52,032,980	2	19,707	17	387,367	11,523	241,521	660,118	1.27
1/21 through 12/21	78,315,881	1	53,484	17	475,966	16,953	321,030	867,433	1.11
5 YR. TOTAL	275,695,227	5	127,535	76	1,893,689	72,789	1,959,814	4,053,827	1.47
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	0.733	36%	0.737	1.47			
Pure Premium Indicated by National Relativity		23%	0.885	25%	0.846	1.73			
Pure Premium Present on Rate Level		55%	0.874	39%	0.831	1.71			
Pure Premium Derived by Formula		0.846			0.801			1.65	

CLASS 2302		SILK THREAD OR YARN MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	265,859,790	6	131,233	50	948,325	71,776	1,523,095	2,674,429	1.01
1/18 through 12/18	295,442,059	9	435,541	58	971,009	194,260	1,076,800	2,677,610	0.91
1/19 through 12/19	189,082,787	4	290,501	24	411,602	192,818	415,259	1,310,180	0.69
1/20 through 12/20	146,198,745	1	18,546	29	651,615	0	1,040,554	1,710,715	1.17
1/21 through 12/21	176,096,980	3	176,962	27	695,664	49,553	489,529	1,411,708	0.80
5 YR. TOTAL	1,072,680,361	23	1,052,783	188	3,678,215	508,407	4,545,237	9,784,642	0.91
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		29%	0.441	50%	0.471	0.91			
Pure Premium Indicated by National Relativity		26%	0.354	25%	0.371	0.73			
Pure Premium Present on Rate Level		45%	0.391	25%	0.417	0.81			
Pure Premium Derived by Formula		0.396			0.433			0.83	

CLASS 2305		TEXTILE FIBER MFG-SYNTHETIC							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	179,259,952	15	666,204	43	653,504	375,830	680,923	2,376,461	1.33
1/18 through 12/18	183,129,423	3	48,055	47	967,945	26,845	821,092	1,863,937	1.02
1/19 through 12/19	171,360,227	3	48,855	26	888,214	72,373	806,762	1,816,204	1.06
1/20 through 12/20	179,942,556	6	633,624	37	747,578	417,217	705,728	2,504,147	1.39
1/21 through 12/21	189,979,842	2	356,206	29	1,143,872	134,250	808,031	2,442,359	1.29
5 YR. TOTAL	903,672,000	29	1,752,944	182	4,401,113	1,026,515	3,822,536	11,003,108	1.22
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		32%	0.681	49%	0.537	1.22			
Pure Premium Indicated by National Relativity		34%	0.508	25%	0.421	0.93			
Pure Premium Present on Rate Level		34%	0.547	26%	0.476	1.02			
Pure Premium Derived by Formula		0.577			0.492			1.07	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
 ** Pure Premium per employee
 ++ Non-Standard Calculation

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CLASS 2361		HOSIERY MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	165,333,032	5	140,353	27	299,404	139,906	324,965	904,628	0.55
1/18 through 12/18	143,940,686	6	180,868	23	240,911	109,821	223,079	754,679	0.52
1/19 through 12/19	129,079,144	3	39,033	24	376,026	31,474	466,053	912,586	0.71
1/20 through 12/20	113,090,735	3	193,273	27	548,973	183,182	672,198	1,597,626	1.41
1/21 through 12/21	110,598,930	1	33,100	24	427,129	58,263	414,805	933,297	0.84
5 YR. TOTAL	662,042,527	18	586,627	125	1,892,443	522,646	2,101,100	5,102,816	0.77
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	0.374	40%	0.396	0.77			
Pure Premium Indicated by National Relativity		15%	0.371	16%	0.455	0.83			
Pure Premium Present on Rate Level		62%	0.372	44%	0.426	0.80			
Pure Premium Derived by Formula		0.372			0.419			0.79	

CLASS 2362		KNIT GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	93,694,228	3	129,664	35	525,695	73,481	527,726	1,256,566	1.34
1/18 through 12/18	96,307,780	9	209,012	24	315,433	194,651	369,070	1,088,166	1.13
1/19 through 12/19	84,885,415	1	20,230	23	731,034	18,749	649,383	1,419,396	1.67
1/20 through 12/20	81,660,246	3	102,068	15	165,254	33,694	195,994	497,010	0.61
1/21 through 12/21	91,268,622	1	14,449	20	524,044	27,190	363,557	929,240	1.02
5 YR. TOTAL	447,816,291	17	475,423	117	2,261,460	347,765	2,105,730	5,190,378	1.16
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	0.611	38%	0.548	1.16			
Pure Premium Indicated by National Relativity		17%	0.344	18%	0.376	0.72			
Pure Premium Present on Rate Level		61%	0.537	44%	0.573	1.11			
Pure Premium Derived by Formula		0.520			0.528			1.05	

CLASS 2380		WEBBING MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	42,579,210	0	0	5	20,981	0	40,033	61,014	0.14
1/18 through 12/18	45,138,151	0	0	12	457,066	0	330,747	787,813	1.75
1/19 through 12/19	42,517,790	2	64,262	7	96,950	37,815	141,452	340,479	0.80
1/20 through 12/20	41,312,633	0	0	10	189,215	0	149,255	338,470	0.82
1/21 through 12/21	47,864,631	2	302,432	14	238,631	114,491	188,547	844,101	1.76
5 YR. TOTAL	219,412,415	4	366,694	48	1,002,843	152,306	850,034	2,371,877	1.08
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	0.624	22%	0.457	1.08			
Pure Premium Indicated by National Relativity		26%	0.439	28%	0.374	0.81			
Pure Premium Present on Rate Level		61%	0.382	50%	0.397	0.78			
Pure Premium Derived by Formula		0.428			0.404			0.83	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2388		EMBROIDERY MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	19,572,577	1	938	4	9,007	2,095	20,321	32,361	0.17
1/18 through 12/18	21,528,682	0	0	0	0	0	4,512	4,512	0.02
1/19 through 12/19	21,193,383	0	0	2	5,858	0	8,618	14,476	0.07
1/20 through 12/20	18,741,504	0	0	3	16,255	0	14,643	30,898	0.17
1/21 through 12/21	21,391,575	0	0	3	7,178	0	15,757	22,935	0.11
5 YR. TOTAL	102,427,721	1	938	12	38,298	2,095	63,851	105,182	0.10
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.038	12%	0.064	0.10			
Pure Premium Indicated by National Relativity		21%	0.334	22%	0.345	0.68			
Pure Premium Present on Rate Level		72%	0.220	66%	0.247	0.47			
Pure Premium Derived by Formula		0.231			0.247			0.48	

CLASS 2402		CARPET OR RUG MFG NOC							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	49,704,381	2	56,940	18	312,221	37,388	281,410	687,959	1.38
1/18 through 12/18	49,586,235	1	3,243	10	196,453	1,843	230,696	432,235	0.87
1/19 through 12/19	43,007,620	1	10,479	2	4,542	21,611	37,437	74,069	0.17
1/20 through 12/20	46,579,931	1	6,415	4	52,569	21,578	189,944	270,506	0.58
1/21 through 12/21	37,546,121	3	112,425	8	249,337	98,158	135,004	594,924	1.59
5 YR. TOTAL	226,424,288	8	189,502	42	815,122	180,578	874,491	2,059,693	0.91
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	0.444	25%	0.466	0.91			
Pure Premium Indicated by National Relativity		42%	0.417	37%	0.377	0.79			
Pure Premium Present on Rate Level		43%	0.460	38%	0.504	0.96			
Pure Premium Derived by Formula		0.440			0.448			0.89	

CLASS 2413		TEXTILE-BLEACHING, DYEING, MERCERIZING, FINISHING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	87,815,412	4	145,675	24	376,323	46,499	376,971	945,468	1.08
1/18 through 12/18	82,873,258	1	5,663	21	728,497	6,168	488,534	1,228,862	1.48
1/19 through 12/19	64,738,304	1	66,408	15	519,368	25,263	466,369	1,077,408	1.66
1/20 through 12/20	58,764,596	5	104,737	12	130,748	31,341	222,661	489,487	0.83
1/21 through 12/21	65,905,442	2	29,589	21	348,795	78,411	389,209	846,004	1.28
5 YR. TOTAL	360,097,012	13	352,072	93	2,103,731	187,682	1,943,744	4,587,229	1.27
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	0.682	32%	0.592	1.27			
Pure Premium Indicated by National Relativity		20%	0.234	21%	0.228	0.46			
Pure Premium Present on Rate Level		61%	0.484	47%	0.509	0.99			
Pure Premium Derived by Formula		0.472			0.477			0.95	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2416		YARN DYEING OR FINISHING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	15,853,190	0	0	4	89,242	0	112,480	201,722	1.27
1/18 through 12/18	13,440,285	2	15,745	9	117,238	16,391	142,068	291,442	2.17
1/19 through 12/19	10,255,659	0	0	0	0	0	20,053	20,053	0.20
1/20 through 12/20	8,866,901	0	0	0	0	0	6,326	6,326	0.07
1/21 through 12/21	9,418,327	0	0	2	60,453	0	21,857	82,310	0.87
5 YR. TOTAL	57,834,362	2	15,745	15	266,933	16,391	302,784	601,853	1.04
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.489	13%	0.552	1.04			
Pure Premium Indicated by National Relativity		6%	0.205	7%	0.243	0.45			
Pure Premium Present on Rate Level		86%	0.529	80%	0.552	1.08			
Pure Premium Derived by Formula		0.506			0.530			1.04	

CLASS 2417		CLOTH PRINTING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	9,967,003	0	0	1	94,057	0	69,505	163,562	1.64
1/18 through 12/18	7,636,670	0	0	1	6,431	0	12,772	19,203	0.25
1/19 through 12/19	7,499,386	0	0	1	187	0	11,505	11,692	0.16
1/20 through 12/20	9,132,009	0	0	2	6,879	0	24,565	31,444	0.34
1/21 through 12/21	4,810,469	0	0	1	35,394	0	21,479	56,873	1.18
5 YR. TOTAL	39,045,537	0	0	6	142,948	0	139,826	282,774	0.72
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.366	8%	0.358	0.72			
Pure Premium Indicated by National Relativity		9%	0.157	10%	0.167	0.32			
Pure Premium Present on Rate Level		86%	0.331	82%	0.331	0.66			
Pure Premium Derived by Formula		0.317			0.317			0.63	

CLASS 2501		CLOTH, CANVAS AND RELATED PRODUCTS MFG. NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	248,264,098	7	198,223	68	1,100,880	230,613	972,725	2,502,441	1.01
1/18 through 12/18	245,490,357	8	201,992	50	661,260	209,990	605,780	1,679,022	0.68
1/19 through 12/19	306,211,035	5	107,424	72	1,037,801	56,048	1,434,914	2,636,187	0.86
1/20 through 12/20	317,911,536	8	274,454	76	1,340,162	138,605	1,339,607	3,092,828	0.97
1/21 through 12/21	327,488,260	8	437,933	84	1,809,548	216,780	1,631,229	4,095,490	1.25
5 YR. TOTAL	1,445,365,286	36	1,220,026	350	5,949,651	852,036	5,984,255	14,005,968	0.97
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	0.496	60%	0.473	0.97			
Pure Premium Indicated by National Relativity		31%	0.436	20%	0.414	0.85			
Pure Premium Present on Rate Level		31%	0.475	20%	0.450	0.93			
Pure Premium Derived by Formula		0.471			0.457			0.93	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2503		DRESSMAKING OR TAILORING-CUSTOM EXCLUSIVELY							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,296,091	0	0	1	9,875	0	9,756	19,631	0.46
1/18 through 12/18	4,753,722	0	0	0	0	0	719	719	0.02
1/19 through 12/19	4,364,684	0	0	1	3,113	0	19,356	22,469	0.51
1/20 through 12/20	3,719,317	0	0	0	0	0	342	342	0.01
1/21 through 12/21	4,896,998	1	67,692	1	13,299	75,210	16,186	172,387	3.52
5 YR. TOTAL	22,030,812	1	67,692	3	26,287	75,210	46,359	215,548	0.98
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.427	5%	0.552	0.98			
Pure Premium Indicated by National Relativity		10%	0.152	11%	0.170	0.32			
Pure Premium Present on Rate Level		87%	0.229	84%	0.229	0.46			
Pure Premium Derived by Formula		0.227			0.239			0.47	

CLASS 2570		MATTRESS OR BOX SPRING MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	34,207,102	0	0	8	118,193	0	92,047	210,240	0.62
1/18 through 12/18	31,065,472	3	92,299	8	64,118	357,410	83,027	596,854	1.92
1/19 through 12/19	28,264,474	0	0	4	88,199	0	80,222	168,421	0.60
1/20 through 12/20	30,632,693	0	0	4	95,559	0	58,345	153,904	0.50
1/21 through 12/21	32,067,721	3	87,428	6	129,158	63,821	127,096	407,503	1.27
5 YR. TOTAL	156,237,462	6	179,727	30	495,227	421,231	440,737	1,536,922	0.98
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	0.432	23%	0.552	0.98			
Pure Premium Indicated by National Relativity		41%	0.917	38%	0.587	1.50			
Pure Premium Present on Rate Level		44%	0.704	39%	0.631	1.34			
Pure Premium Derived by Formula		0.751			0.596			1.35	

CLASS 2585		LAUNDRY NOC & ROUTE SUPERVISORS, DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	152,770,961	9	112,932	30	417,366	174,477	587,170	1,291,945	0.85
1/18 through 12/18	170,428,402	6	323,974	37	984,762	160,278	828,170	2,297,184	1.35
1/19 through 12/19	163,516,907	10	389,141	22	390,901	478,829	534,790	1,793,661	1.10
1/20 through 12/20	172,540,294	7	179,668	23	390,393	106,438	549,851	1,226,350	0.71
1/21 through 12/21	181,078,442	7	324,453	37	685,105	573,571	769,733	2,352,862	1.30
5 YR. TOTAL	840,335,006	39	1,330,168	149	2,868,527	1,493,593	3,269,714	8,962,002	1.07
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	0.500	51%	0.567	1.07			
Pure Premium Indicated by National Relativity		32%	0.788	24%	0.612	1.40			
Pure Premium Present on Rate Level		33%	0.688	25%	0.559	1.25			
Pure Premium Derived by Formula		0.654			0.576			1.23	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2586		CLEANING OR DYEING & ROUTE SUPERVISORS, DRIVERS								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	6,549,296	2	103,556	4	11,237	101,463	14,770	231,026	3.53	
1/18 through 12/18	6,876,407	1	5,591	0	0	53,163	2,904	61,658	0.90	
1/19 through 12/19	5,529,031	0	0	0	0	0	1,338	1,338	0.02	
1/20 through 12/20	8,551,740	0	0	4	105,830	0	55,134	160,964	1.88	
1/21 through 12/21	6,459,425	0	0	4	197,545	0	287,015	484,560	7.50	
5 YR. TOTAL	33,965,899	3	109,147	12	314,612	154,626	361,161	939,546	2.77	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		6%	1.248	11%	1.519	2.77				
Pure Premium Indicated by National Relativity		36%	0.813	39%	0.783	1.60				
Pure Premium Present on Rate Level		58%	0.604	50%	0.681	1.29				
Pure Premium Derived by Formula		0.718			0.813		1.53			

CLASS 2587		TOWEL OR TOILET SUPPLY CO. & ROUTE SUPERVISORS, DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	1,951,103	0	0	0	0	0	2,265	2,265	0.12	
1/18 through 12/18	3,227,202	0	0	1	24,282	0	11,154	35,436	1.10	
1/19 through 12/19	2,897,608	0	0	2	105,450	0	58,501	163,951	5.66	
1/20 through 12/20	3,203,852	0	0	1	180,905	0	58,195	239,100	7.46	
1/21 through 12/21	2,788,973	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	14,068,738	0	0	4	310,637	0	130,115	440,752	3.13	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		4%	2.208	7%	0.925	3.13				
Pure Premium Indicated by National Relativity		11%	1.029	11%	0.364	1.39				
Pure Premium Present on Rate Level		85%	0.653	82%	0.533	1.19				
Pure Premium Derived by Formula		0.757			0.542		1.30			

CLASS 2589		LAUNDRY AND DRY CLEANING STORE-RETAIL-& ROUTE SUPERVISORS, DRIVERS								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	50,859,554	0	0	3	38,354	0	38,429	76,783	0.15	
1/18 through 12/18	50,972,617	1	12,997	10	86,696	58,401	273,832	431,926	0.85	
1/19 through 12/19	49,397,895	1	3,102	5	67,565	0	44,181	114,848	0.23	
1/20 through 12/20	37,802,958	0	0	3	34,790	0	80,526	115,316	0.31	
1/21 through 12/21	39,585,509	1	31,232	7	233,461	20,041	142,866	427,600	1.08	
5 YR. TOTAL	228,618,533	3	47,331	28	460,866	78,442	579,834	1,166,473	0.51	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		13%	0.222	23%	0.288	0.51				
Pure Premium Indicated by National Relativity		42%	0.377	38%	0.373	0.75				
Pure Premium Present on Rate Level		45%	0.375	39%	0.413	0.79				
Pure Premium Derived by Formula		0.356			0.369		0.73			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2600		FUR PROCESSING-PREPARING SKINS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	524,861	0	0	0	0	0	0	0	0.00
1/18 through 12/18	539,545	0	0	0	0	0	0	0	0.00
1/19 through 12/19	535,375	0	0	0	0	0	0	0	0.00
1/20 through 12/20	545,195	0	0	0	0	0	0	0	0.00
1/21 through 12/21	533,119	0	0	1	4,718	0	2,373	7,091	1.33
5 YR. TOTAL	2,678,095	0	0	1	4,718	0	2,373	7,091	0.27
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.176	3%	0.089	0.27			
Pure Premium Indicated by National Relativity		6%	0.428	6%	0.591	1.02			
Pure Premium Present on Rate Level		92%	1.103	91%	0.693	1.80			
Pure Premium Derived by Formula		1.044			0.669			1.71	

CLASS 2623		LEATHER MFG.--INCLUDING TANNING, LEATHER EMBOSSEING, AND WOOL PULLING							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	19,656	0	0	0	0	0	0	0	0.00
1/21 through 12/21	35,983	0	0	1	2,038	0	0	2,038	5.66
5 YR. TOTAL	55,639	0	0	1	2,038	0	0	2,038	3.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	3.663	1%	0.000	3.66			
Pure Premium Indicated by National Relativity		14%	0.782	14%	0.901	1.68			
Pure Premium Present on Rate Level		86%	1.107	85%	1.085	2.19			
Pure Premium Derived by Formula		1.062			1.048			2.11	

CLASS 2651		SHOE STOCK MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	17,307,822	1	27,178	1	7,271	7,217	5,646	47,312	0.27
1/18 through 12/18	19,585,806	0	0	5	19,509	0	19,036	38,545	0.20
1/19 through 12/19	17,430,610	1	6,946	3	26,299	9,910	50,531	93,686	0.54
1/20 through 12/20	17,469,693	0	0	4	207,520	0	80,792	288,312	1.65
1/21 through 12/21	20,317,934	0	0	2	2,123	0	13,419	15,542	0.08
5 YR. TOTAL	92,111,865	2	34,124	15	262,722	17,127	169,424	483,397	0.53
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.322	12%	0.203	0.53			
Pure Premium Indicated by National Relativity		15%	0.214	16%	0.194	0.41			
Pure Premium Present on Rate Level		77%	0.300	72%	0.266	0.57			
Pure Premium Derived by Formula		0.289			0.247			0.54	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2660		BOOT OR SHOE MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	5,612,368	0	0	2	7,469	0	17,009	24,478	0.44
1/18 through 12/18	6,818,397	1	15,007	3	51,042	143,530	59,781	269,360	3.95
1/19 through 12/19	7,451,787	0	0	2	4,951	0	8,760	13,711	0.18
1/20 through 12/20	5,513,480	0	0	2	61,013	0	23,252	84,265	1.53
1/21 through 12/21	6,446,941	0	0	1	9,032	0	10,705	19,737	0.31
5 YR. TOTAL	31,842,973	1	15,007	10	133,507	143,530	119,507	411,551	1.29
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.466	9%	0.826	1.29			
Pure Premium Indicated by National Relativity		25%	0.346	27%	0.312	0.66			
Pure Premium Present on Rate Level		70%	0.415	64%	0.480	0.90			
Pure Premium Derived by Formula		0.400			0.466		0.87		

CLASS 2688		LEATHER GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	16,577,848	0	0	7	133,025	0	198,152	331,177	2.00
1/18 through 12/18	15,938,416	0	0	3	6,559	0	10,193	16,752	0.11
1/19 through 12/19	16,758,148	0	0	5	174,420	0	93,719	268,139	1.60
1/20 through 12/20	18,025,271	1	42,707	7	89,505	47,528	45,955	225,695	1.25
1/21 through 12/21	20,350,551	1	30,950	1	1,144	14,755	15,536	62,385	0.31
5 YR. TOTAL	87,650,234	2	73,657	23	404,653	62,283	363,555	904,148	1.03
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	0.546	15%	0.486	1.03			
Pure Premium Indicated by National Relativity		18%	0.275	20%	0.341	0.62			
Pure Premium Present on Rate Level		73%	0.414	65%	0.462	0.88			
Pure Premium Derived by Formula		0.401			0.441		0.84		

CLASS 2702		LOGGING OR TREE REMOVAL - NONMECHANIZED OPERATIONS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,118,073	2	344,533	4	28,885	322,620	53,268	749,306	18.20
1/18 through 12/18	4,024,911	0	0	4	91,610	0	54,632	146,242	3.63
1/19 through 12/19	3,843,096	2	161,056	2	8,058	340,588	12,496	522,198	13.59
1/20 through 12/20	3,653,747	0	0	2	39,600	0	99,088	138,688	3.80
1/21 through 12/21	3,126,805	0	0	2	115,309	0	206,430	321,739	10.29
5 YR. TOTAL	18,766,632	4	505,589	14	283,462	663,208	425,914	1,878,173	10.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	4.205	21%	5.804	10.01			
Pure Premium Indicated by National Relativity		43%	5.363	39%	3.476	8.84			
Pure Premium Present on Rate Level		43%	4.950	40%	4.152	9.10			
Pure Premium Derived by Formula		5.023			4.235		9.26		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2705		LOGGING OR TREE REMOVAL-PULPWOOD ONLY-ALL OPERATIONS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	12,481	0	0	0	0	0	0	0	0.00
1/18 through 12/18	11,473	0	0	0	0	0	0	0	0.00
1/19 through 12/19	6,900	0	0	0	0	0	0	0	0.00
1/20 through 12/20	1,526	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	32,380	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		1%	0.000	1%	0.000			0.00	
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000			0.00	
Pure Premium Present on Rate Level		99%	13.491	99%	10.685			24.18	
Pure Premium Derived by Formula							13.356	10.578	23.93

CLASS 2709		LOGGING OR TREE REMOVAL - MECHANIZED EQUIPMENT OPERATORS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	72,403,283	3	222,994	18	510,641	659,964	282,854	1,676,453	2.32
1/18 through 12/18	72,701,932	3	429,351	16	518,943	224,236	914,820	2,087,350	2.87
1/19 through 12/19	73,453,471	2	590,309	12	466,604	517,064	261,677	1,835,654	2.50
1/20 through 12/20	76,688,384	3	579,722	19	410,124	399,719	331,162	1,720,727	2.24
1/21 through 12/21	82,120,741	3	162,089	18	370,333	229,457	471,622	1,233,501	1.50
5 YR. TOTAL	377,367,811	14	1,984,465	83	2,276,645	2,030,440	2,262,135	8,553,685	2.27
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		39%	1.129	55%	1.138			2.27	
Pure Premium Indicated by National Relativity		30%	2.602	22%	1.911			4.51	
Pure Premium Present on Rate Level		31%	1.895	23%	1.423			3.32	
Pure Premium Derived by Formula							1.808	1.374	3.18

CLASS 2710		SAW MILL							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	86,822,773	4	275,310	43	668,599	213,418	619,302	1,776,629	2.05
1/18 through 12/18	88,978,538	1	20,812	49	1,602,519	12,350	1,423,415	3,059,096	3.44
1/19 through 12/19	87,781,685	6	403,283	29	747,492	293,008	911,274	2,355,057	2.68
1/20 through 12/20	95,584,932	1	4,366	39	1,207,069	2,771	985,859	2,200,065	2.30
1/21 through 12/21	138,721,113	2	300,605	39	819,865	161,927	723,353	2,005,750	1.45
5 YR. TOTAL	497,889,041	14	1,004,376	199	5,045,544	683,474	4,663,203	11,396,597	2.29
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		40%	1.215	63%	1.074			2.29	
Pure Premium Indicated by National Relativity		30%	1.292	18%	1.220			2.51	
Pure Premium Present on Rate Level		30%	1.574	19%	1.436			3.01	
Pure Premium Derived by Formula							1.346	1.169	2.52

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2714		VENEER MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	3,124,885	1	2,826	2	4,507	4,157	8,939	20,429	0.65
1/18 through 12/18	2,542,609	0	0	1	2,484	0	11,836	14,320	0.56
1/19 through 12/19	1,882,887	0	0	5	67,065	0	134,408	201,473	10.70
1/20 through 12/20	1,120,686	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,195,479	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	9,866,546	1	2,826	8	74,056	4,157	155,183	236,222	2.39
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		4%	0.779	7%	1.615			2.39	
Pure Premium Indicated by National Relativity		11%	1.012	12%	0.933			1.95	
Pure Premium Present on Rate Level		85%	0.719	81%	0.848			1.57	
Pure Premium Derived by Formula		0.754			0.912		1.67		

CLASS 2727		LOG HAULING & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	29,852,468	3	209,785	13	474,468	106,940	247,202	1,038,395	3.48
1/18 through 12/18	30,644,344	2	319,880	6	133,152	126,527	197,727	777,286	2.54
1/19 through 12/19	33,615,566	4	333,315	14	384,216	614,936	336,590	1,669,057	4.97
1/20 through 12/20	32,889,590	2	472,765	10	423,139	285,324	529,230	1,710,458	5.20
1/21 through 12/21	35,794,459	4	548,452	7	374,988	370,522	138,903	1,432,865	4.00
5 YR. TOTAL	162,796,427	15	1,884,197	50	1,789,963	1,504,249	1,449,652	6,628,061	4.07
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		28%	2.257	44%	1.814			4.07	
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000			0.00	
Pure Premium Present on Rate Level		72%	2.286	56%	2.059			4.35	
Pure Premium Derived by Formula		2.278			1.951		4.23		

CLASS 2731		PLANING OR MOLDING MILL							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	77,655,716	1	137,277	15	323,430	25,114	374,519	860,340	1.11
1/18 through 12/18	79,158,961	3	237,077	24	604,642	173,896	534,569	1,550,184	1.96
1/19 through 12/19	74,781,120	3	698,430	31	690,446	400,684	408,785	2,198,345	2.94
1/20 through 12/20	85,178,240	3	117,393	16	410,374	218,128	431,482	1,177,377	1.38
1/21 through 12/21	95,185,265	1	45,673	28	1,421,673	32,467	502,406	2,002,219	2.10
5 YR. TOTAL	411,959,302	11	1,235,850	114	3,450,565	850,289	2,251,761	7,788,465	1.89
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		27%	1.138	42%	0.753			1.89	
Pure Premium Indicated by National Relativity		36%	0.865	29%	0.771			1.64	
Pure Premium Present on Rate Level		37%	0.848	29%	0.779			1.63	
Pure Premium Derived by Formula		0.932			0.766		1.70		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2735		FURNITURE STOCK MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,715,042	0	0	4	14,621	0	34,648	49,269	0.46
1/18 through 12/18	10,818,516	1	45,995	6	62,470	39,131	61,061	208,657	1.93
1/19 through 12/19	11,359,460	0	0	6	63,396	0	78,333	141,729	1.25
1/20 through 12/20	12,340,643	1	33,934	3	86,686	9,315	226,826	356,761	2.89
1/21 through 12/21	14,958,035	0	0	4	155,886	0	223,565	379,451	2.54
5 YR. TOTAL	60,191,696	2	79,929	23	383,059	48,446	624,433	1,135,867	1.89
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		10%	0.769	18%		1.118		1.89	
Pure Premium Indicated by National Relativity		23%	1.034	25%		0.784		1.82	
Pure Premium Present on Rate Level		67%	0.781	57%		0.952		1.73	
Pure Premium Derived by Formula		0.838			0.940		1.78		

CLASS 2759		BOX OR BOX SHOOK MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	63,742,994	3	229,383	36	432,280	59,023	625,494	1,346,180	2.11
1/18 through 12/18	70,302,180	5	102,944	28	341,062	61,519	344,546	850,071	1.21
1/19 through 12/19	73,574,653	6	306,826	32	495,026	492,132	607,476	1,901,460	2.59
1/20 through 12/20	76,216,129	2	66,778	37	825,174	43,754	831,199	1,766,905	2.32
1/21 through 12/21	81,629,802	1	3,621	33	796,319	8,065	833,571	1,641,576	2.01
5 YR. TOTAL	365,465,758	17	709,552	166	2,889,861	664,493	3,242,286	7,506,192	2.05
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		28%	0.985	47%		1.069		2.05	
Pure Premium Indicated by National Relativity		36%	1.113	26%		0.997		2.11	
Pure Premium Present on Rate Level		36%	1.063	27%		1.090		2.15	
Pure Premium Derived by Formula		1.059			1.056		2.12		

CLASS 2790		PATTERN MAKING NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,702,306	0	0	0	0	0	527	527	0.02
1/18 through 12/18	3,287,442	1	5,950	1	13,819	0	2,124	21,893	0.67
1/19 through 12/19	3,253,506	0	0	1	1,933	0	5,865	7,798	0.24
1/20 through 12/20	3,071,391	0	0	0	0	0	1,421	1,421	0.05
1/21 through 12/21	3,583,651	0	0	1	24,792	0	21,698	46,490	1.30
5 YR. TOTAL	15,898,296	1	5,950	3	40,544	0	31,635	78,129	0.49
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.292	6%		0.199		0.49	
Pure Premium Indicated by National Relativity		18%	0.429	20%		0.386		0.82	
Pure Premium Present on Rate Level		79%	0.333	74%		0.378		0.71	
Pure Premium Derived by Formula		0.349			0.369		0.72		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2797		MANUFACTURED, MODULAR, OR PREFABRICATED HOME MANUFACTURING - SHOP WORK - ALL OPERATIONS & DRIVERS								
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	52,929,480	1	15,870	23	611,932	1,501	543,666	1,172,969	2.22	
1/18 through 12/18	52,649,425	3	21,924	20	523,895	6,561	475,897	1,028,277	1.95	
1/19 through 12/19	62,175,628	2	83,358	26	530,621	38,784	475,438	1,128,201	1.81	
1/20 through 12/20	67,141,823	4	203,494	32	336,650	314,048	334,442	1,188,634	1.77	
1/21 through 12/21	89,284,613	3	221,962	28	530,187	142,436	538,431	1,433,016	1.61	
5 YR. TOTAL	324,180,969	13	546,608	129	2,533,285	503,330	2,367,874	5,951,097	1.84	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		23%	0.950	39%	0.886	1.84				
Pure Premium Indicated by National Relativity		38%	0.558	30%	0.572	1.13				
Pure Premium Present on Rate Level		39%	0.772	31%	0.854	1.63				
Pure Premium Derived by Formula		0.732			0.782		1.51			

CLASS 2799		MANUFACTURED, MODULAR, OR PREFABRICATED HOME SETUP, HOOKUP, OR INSTALLATION AT BUILDING SITE								
Industry Group: Contracting Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	7,941,981	0	0	6	221,854	0	181,078	402,932	5.07	
1/18 through 12/18	9,413,473	1	10,894	7	51,526	13,236	40,127	115,783	1.23	
1/19 through 12/19	12,133,394	2	23,737	3	36,750	19,501	47,899	127,887	1.05	
1/20 through 12/20	13,239,861	2	218,154	1	313	338,169	12,033	568,669	4.30	
1/21 through 12/21	10,191,661	2	723,543	5	218,567	407,012	285,325	1,634,447	16.04	
5 YR. TOTAL	52,920,370	7	976,328	22	529,010	777,918	566,462	2,849,718	5.39	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		13%	2.845	18%	2.540	5.39				
Pure Premium Indicated by National Relativity		29%	2.051	31%	1.197	3.25				
Pure Premium Present on Rate Level		58%	1.451	51%	1.093	2.54				
Pure Premium Derived by Formula		1.806			1.386		3.19			

CLASS 2802		CARPENTRY-SHOP ONLY-& DRIVERS								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	121,929,911	6	215,653	56	1,502,254	242,285	944,826	2,905,018	2.38	
1/18 through 12/18	135,656,496	6	276,735	43	491,636	143,312	604,701	1,516,384	1.12	
1/19 through 12/19	151,458,955	7	230,789	46	1,000,102	135,844	750,144	2,116,879	1.40	
1/20 through 12/20	177,394,159	8	402,928	56	1,311,606	289,504	978,015	2,982,053	1.68	
1/21 through 12/21	189,568,595	6	657,076	52	1,623,374	593,056	1,219,183	4,092,689	2.16	
5 YR. TOTAL	776,008,116	33	1,783,181	253	5,928,972	1,404,001	4,496,869	13,613,023	1.75	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		39%	0.994	58%	0.760	1.75				
Pure Premium Indicated by National Relativity		30%	0.916	21%	0.794	1.71				
Pure Premium Present on Rate Level		31%	0.957	21%	0.778	1.74				
Pure Premium Derived by Formula		0.959			0.771		1.73			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2835		BRUSH OR BROOM ASSEMBLY							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	3,396,568	0	0	1	3,831	0	3,503	7,334	0.22
1/18 through 12/18	2,940,769	0	0	1	5,784	0	1,222	7,006	0.24
1/19 through 12/19	2,309,994	0	0	1	43,148	0	8,005	51,153	2.22
1/20 through 12/20	785,500	0	0	1	315	0	4,678	4,993	0.64
1/21 through 12/21	345,169	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	9,778,000	0	0	4	53,078	0	17,408	70,486	0.72
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.543	5%		0.178		0.72	
Pure Premium Indicated by National Relativity		15%	0.364	16%		0.362		0.73	
Pure Premium Present on Rate Level		82%	0.500	79%		0.455		0.96	
Pure Premium Derived by Formula		0.481			0.426		0.91		

CLASS 2836		BRUSH OR BROOM MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,689,731	0	0	1	2,437	0	7,765	10,202	0.60
1/18 through 12/18	2,063,038	0	0	0	0	0	0	0	0.00
1/19 through 12/19	2,398,782	0	0	0	0	0	0	0	0.00
1/20 through 12/20	2,847,761	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,933,676	0	0	1	5,161	0	3,854	9,015	0.47
5 YR. TOTAL	10,932,988	0	0	2	7,598	0	11,619	19,217	0.18
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		4%	0.070	5%		0.106		0.18	
Pure Premium Indicated by National Relativity		16%	0.523	17%		0.379		0.90	
Pure Premium Present on Rate Level		80%	0.583	78%		0.469		1.05	
Pure Premium Derived by Formula		0.553			0.436		0.99		

CLASS 2841		WOODENWARE MANUFACTURING NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	8,914,286	0	0	9	99,996	0	50,599	150,595	1.69
1/18 through 12/18	11,142,877	0	0	6	130,212	0	105,813	236,025	2.12
1/19 through 12/19	12,445,994	1	4,713	3	11,048	17,588	8,237	41,586	0.33
1/20 through 12/20	13,332,411	1	31,117	5	88,642	19,566	60,781	200,106	1.50
1/21 through 12/21	14,928,675	0	0	6	107,307	0	130,841	238,148	1.60
5 YR. TOTAL	60,764,243	2	35,830	29	437,205	37,154	356,271	866,460	1.43
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		9%	0.778	16%		0.647		1.43	
Pure Premium Indicated by National Relativity		24%	0.517	26%		0.614		1.13	
Pure Premium Present on Rate Level		67%	0.623	58%		0.730		1.35	
Pure Premium Derived by Formula		0.612			0.687		1.30		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2881		FURNITURE MANUFACTURING AND CABINET SHOP - ASSEMBLY BY HAND - WOOD							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	102,121,891	6	181,989	40	689,525	89,438	655,156	1,616,108	1.58
1/18 through 12/18	127,523,216	5	191,945	35	586,105	161,063	362,995	1,302,108	1.02
1/19 through 12/19	136,011,478	3	154,239	31	450,737	88,677	358,635	1,052,288	0.77
1/20 through 12/20	111,583,081	1	62,854	27	566,549	10,421	396,101	1,035,925	0.93
1/21 through 12/21	71,029,291	0	0	25	441,382	0	347,819	789,201	1.11
5 YR. TOTAL	548,268,957	15	591,027	158	2,734,298	349,599	2,120,706	5,795,630	1.06
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		26%	0.607	39%	0.451	1.06			
Pure Premium Indicated by National Relativity		37%	0.593	30%	0.486	1.08			
Pure Premium Present on Rate Level		37%	0.617	31%	0.504	1.12			
Pure Premium Derived by Formula		0.606			0.478			1.08	

CLASS 2883		FURNITURE MANUFACTURING AND CABINET SHOP - WOOD - NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	382,164,990	17	994,870	158	2,523,683	467,583	2,411,169	6,397,305	1.67
1/18 through 12/18	364,914,597	16	863,362	146	2,138,420	812,492	1,985,032	5,799,306	1.59
1/19 through 12/19	340,867,153	5	229,018	118	1,776,277	365,628	1,755,160	4,126,083	1.21
1/20 through 12/20	374,177,006	15	577,526	132	2,156,482	471,748	2,490,330	5,696,086	1.52
1/21 through 12/21	479,878,165	17	885,940	128	2,090,997	391,247	2,155,408	5,523,592	1.15
5 YR. TOTAL	1,942,001,911	70	3,550,716	682	10,685,859	2,508,698	10,797,099	27,542,372	1.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		54%	0.733	89%	0.685	1.42			
Pure Premium Indicated by National Relativity		23%	0.585	5%	0.536	1.12			
Pure Premium Present on Rate Level		23%	0.738	6%	0.732	1.47			
Pure Premium Derived by Formula		0.700			0.680			1.38	

CLASS 2915		VENEER PRODUCTS MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	43,463,820	0	0	8	158,467	0	113,852	272,319	0.63
1/18 through 12/18	41,483,610	3	150,366	6	347,266	0	134,937	632,569	1.53
1/19 through 12/19	33,850,350	6	69,686	4	134,925	25,661	70,997	301,269	0.89
1/20 through 12/20	36,703,535	0	0	3	20,257	0	22,484	42,741	0.12
1/21 through 12/21	8,854,982	1	67,266	0	0	137,686	5,416	210,368	2.38
5 YR. TOTAL	164,356,297	10	287,318	21	660,915	163,347	347,686	1,459,266	0.89
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.577	20%	0.311	0.89			
Pure Premium Indicated by National Relativity		43%	0.629	40%	0.523	1.15			
Pure Premium Present on Rate Level		43%	0.597	40%	0.446	1.04			
Pure Premium Derived by Formula		0.608			0.450			1.06	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 2916		VENEER PRODUCTS MFG-NO VENEER MFG								
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	16,302,324	0	0	8	90,391	0	112,825	203,216	1.25	
1/18 through 12/18	18,901,309	1	53,613	14	361,192	45,996	295,415	756,216	4.00	
1/19 through 12/19	43,761,414	0	0	5	42,663	0	70,920	113,583	0.26	
1/20 through 12/20	50,183,735	1	59,555	14	195,743	49,043	259,522	563,863	1.12	
1/21 through 12/21	62,467,382	3	99,084	8	458,575	91,867	313,168	962,694	1.54	
5 YR. TOTAL	191,616,164	5	212,252	49	1,148,564	186,906	1,051,850	2,599,572	1.36	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		15%	0.710	27%	0.646	1.36				
Pure Premium Indicated by National Relativity		26%	0.609	28%	0.659	1.27				
Pure Premium Present on Rate Level		59%	0.583	45%	0.701	1.28				
Pure Premium Derived by Formula		0.609			0.674		1.28			

CLASS 2923		PIANO MFG								
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	2,779,102	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	3,279,557	0	0	0	0	0	2,332	2,332	0.07	
1/19 through 12/19	3,634,683	0	0	0	0	0	3,342	3,342	0.09	
1/20 through 12/20	3,995,263	0	0	1	2,588	0	975	3,563	0.09	
1/21 through 12/21	3,788,764	0	0	0	0	0	4,425	4,425	0.12	
5 YR. TOTAL	17,477,369	0	0	1	2,588	0	11,074	13,662	0.08	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		3%	0.015	5%	0.063	0.08				
Pure Premium Indicated by National Relativity		17%	0.520	19%	0.431	0.95				
Pure Premium Present on Rate Level		80%	0.329	76%	0.295	0.62				
Pure Premium Derived by Formula		0.352			0.309		0.66			

CLASS 2960		WOOD PRESERVING & DRIVERS								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	7,190,660	1	414	4	46,746	1,250	62,321	110,731	1.54	
1/18 through 12/18	6,902,595	0	0	1	14,346	0	27,038	41,384	0.60	
1/19 through 12/19	7,696,698	0	0	1	4,967	0	6,019	10,986	0.14	
1/20 through 12/20	10,111,458	0	0	2	34,974	0	76,142	111,116	1.10	
1/21 through 12/21	13,310,302	1	9,176	5	215,235	3,743	85,159	313,313	2.35	
5 YR. TOTAL	45,211,713	2	9,590	13	316,268	4,993	256,679	587,530	1.30	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		9%	0.721	14%	0.579	1.30				
Pure Premium Indicated by National Relativity		34%	1.050	37%	0.798	1.85				
Pure Premium Present on Rate Level		57%	0.918	49%	0.749	1.67				
Pure Premium Derived by Formula		0.945			0.743		1.69			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3004		IRON OR STEEL: MANUFACTURING: STEEL MAKING-& DRIVERS								
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	145,815,627	2	397,471	11	676,072	162,060	526,452	1,762,055	1.21	
1/18 through 12/18	157,370,169	4	463,300	12	407,050	475,249	388,885	1,734,484	1.10	
1/19 through 12/19	143,048,265	3	208,766	9	291,169	117,298	225,507	842,740	0.59	
1/20 through 12/20	123,171,120	3	119,059	10	210,735	178,189	236,418	744,401	0.61	
1/21 through 12/21	151,625,131	2	47,421	12	456,597	81,971	500,906	1,086,895	0.72	
5 YR. TOTAL	721,030,312	14	1,236,017	54	2,041,623	1,014,767	1,878,168	6,170,575	0.86	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		22%	0.455	33%	0.401	0.86				
Pure Premium Indicated by National Relativity		39%	0.325	33%	0.225	0.55				
Pure Premium Present on Rate Level		39%	0.327	34%	0.277	0.60				
Pure Premium Derived by Formula		0.354			0.301		0.66			

CLASS 3018		IRON OR STEEL: MANUFACTURING: ROLLING MILL & DRIVERS								
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	755,959	0	0	2	9,721	0	8,633	18,354	2.43	
1/18 through 12/18	925,660	1	39,881	0	0	44,961	812	85,654	9.25	
1/19 through 12/19	800,304	0	0	1	4,926	0	2,197	7,123	0.89	
1/20 through 12/20	343,569	0	0	0	0	0	4,475	4,475	1.30	
1/21 through 12/21	691,482	0	0	1	1,027	0	5,711	6,738	0.98	
5 YR. TOTAL	3,516,974	1	39,881	4	15,674	44,961	21,828	122,344	3.48	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		2%	1.580	3%	1.899	3.48				
Pure Premium Indicated by National Relativity		34%	0.605	37%	0.505	1.11				
Pure Premium Present on Rate Level		64%	0.599	60%	0.589	1.19				
Pure Premium Derived by Formula		0.621			0.597		1.22			

CLASS 3022		PIPE OR TUBE MFG NOC & DRIVERS								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	18,681,329	0	0	15	277,036	0	237,847	514,883	2.76	
1/18 through 12/18	19,368,384	2	126,952	10	141,118	61,866	156,133	486,069	2.51	
1/19 through 12/19	18,705,813	0	0	7	457,032	0	316,857	773,889	4.14	
1/20 through 12/20	7,748,076	0	0	3	39,125	0	30,576	69,701	0.90	
1/21 through 12/21	12,732,217	0	0	3	12,860	0	13,740	26,600	0.21	
5 YR. TOTAL	77,235,819	2	126,952	38	927,171	61,866	755,153	1,871,142	2.42	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		11%	1.365	18%	1.058	2.42				
Pure Premium Indicated by National Relativity		39%	0.782	41%	0.589	1.37				
Pure Premium Present on Rate Level		50%	0.815	41%	0.753	1.57				
Pure Premium Derived by Formula		0.863			0.741		1.60			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3027		ROLLING MILL NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	118,073	0	0	0	0	0	0	0	0.00
1/18 through 12/18	82,869	0	0	0	0	0	0	0	0.00
1/19 through 12/19	146,472	0	0	0	0	0	274	274	0.19
1/20 through 12/20	214,184	0	0	0	0	0	0	0	0.00
1/21 through 12/21	419,792	0	0	0	0	0	597	597	0.14
5 YR. TOTAL	981,390	0	0	0	0	0	871	871	0.09
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.089	0.09			
Pure Premium Indicated by National Relativity		36%	0.531	38%	0.367	0.90			
Pure Premium Present on Rate Level		63%	0.433	61%	0.366	0.80			
Pure Premium Derived by Formula		0.464			0.364			0.83	

CLASS 3028		PIPE OR TUBE MFG-IRON OR STEEL-& DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	8,584,701	0	0	0	0	0	16,748	16,748	0.20
1/18 through 12/18	9,878,388	0	0	5	106,835	0	137,500	244,335	2.47
1/19 through 12/19	9,643,369	1	47,933	4	21,471	28,536	50,794	148,734	1.54
1/20 through 12/20	11,661,024	0	0	4	70,950	0	108,936	179,886	1.54
1/21 through 12/21	13,036,312	0	0	1	10,565	0	39,048	49,613	0.38
5 YR. TOTAL	52,803,794	1	47,933	14	209,821	28,536	353,026	639,316	1.21
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.488	13%	0.723	1.21			
Pure Premium Indicated by National Relativity		46%	0.660	43%	0.525	1.19			
Pure Premium Present on Rate Level		46%	0.635	44%	0.611	1.25			
Pure Premium Derived by Formula		0.635			0.589			1.22	

CLASS 3030		IRON OR STEEL: FABRICATION: IRON OR STEEL WORKS-SHOP-STRUCTURAL-& DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	62,632,756	4	278,060	16	383,717	83,387	354,628	1,099,792	1.76
1/18 through 12/18	75,248,831	2	209,787	24	413,265	128,361	439,774	1,191,187	1.58
1/19 through 12/19	83,543,882	1	35,336	26	679,511	11,646	584,329	1,310,822	1.57
1/20 through 12/20	81,488,588	1	112,660	23	764,600	138,304	621,241	1,636,805	2.01
1/21 through 12/21	88,818,569	3	83,491	16	486,428	63,932	436,797	1,070,648	1.21
5 YR. TOTAL	391,732,626	11	719,334	105	2,727,521	425,630	2,436,769	6,309,254	1.61
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		29%	0.880	43%	0.731	1.61			
Pure Premium Indicated by National Relativity		35%	0.891	28%	0.760	1.65			
Pure Premium Present on Rate Level		36%	1.014	29%	0.847	1.86			
Pure Premium Derived by Formula		0.932			0.773			1.71	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3040		IRON OR STEEL: FABRICATION: IRON WORKS-SHOP-ORNAMENTAL-& DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	30,704,417	1	3,261	8	50,427	8,110	115,485	177,283	0.58
1/18 through 12/18	37,181,281	0	0	9	179,335	0	163,692	343,027	0.92
1/19 through 12/19	55,147,453	3	301,620	10	101,603	154,032	118,051	675,306	1.22
1/20 through 12/20	40,819,567	2	171,681	9	98,702	93,147	118,342	481,872	1.18
1/21 through 12/21	54,357,483	0	0	13	349,741	0	387,456	737,197	1.36
5 YR. TOTAL	218,210,201	6	476,562	49	779,808	255,289	903,026	2,414,685	1.11
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	0.576	29%	0.531	1.11			
Pure Premium Indicated by National Relativity		40%	0.952	35%	0.796	1.75			
Pure Premium Present on Rate Level		40%	0.902	36%	0.716	1.62			
Pure Premium Derived by Formula		0.857			0.690		1.55		

CLASS 3041		IRON OR STEEL: FABRICATION: IRON WORKS-SHOP-DECORATIVE OR ARTISTIC- & FOUNDRIES, DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,870,057	0	0	1	3,002	0	6,778	9,780	0.52
1/18 through 12/18	2,379,553	0	0	1	19,585	0	5,550	25,135	1.06
1/19 through 12/19	2,525,888	0	0	1	11,789	0	8,250	20,039	0.79
1/20 through 12/20	2,069,640	0	0	1	66,170	0	28,700	94,870	4.58
1/21 through 12/21	1,920,703	0	0	1	4,481	0	1,799	6,280	0.33
5 YR. TOTAL	10,765,841	0	0	5	105,027	0	51,077	156,104	1.45
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.976	6%	0.474	1.45			
Pure Premium Indicated by National Relativity		22%	0.795	24%	0.540	1.34			
Pure Premium Present on Rate Level		74%	0.707	70%	0.580	1.29			
Pure Premium Derived by Formula		0.737			0.564		1.30		

CLASS 3042		ELEVATOR OR ESCALATOR MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	6,235,369	0	0	1	21,263	0	24,099	45,362	0.73
1/18 through 12/18	6,592,091	0	0	0	0	0	2,901	2,901	0.04
1/19 through 12/19	5,773,102	0	0	1	14,425	0	23,011	37,436	0.65
1/20 through 12/20	5,014,947	0	0	1	19,864	0	4,110	23,974	0.48
1/21 through 12/21	5,025,116	0	0	0	0	0	10,303	10,303	0.21
5 YR. TOTAL	28,640,625	0	0	3	55,552	0	64,424	119,976	0.42
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.194	9%	0.225	0.42			
Pure Premium Indicated by National Relativity		22%	0.704	23%	0.452	1.16			
Pure Premium Present on Rate Level		72%	0.678	68%	0.541	1.22			
Pure Premium Derived by Formula		0.655			0.492		1.15		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3064		SIGN MFG-METAL							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	15,966,350	1	15,121	5	28,469	33,501	45,287	122,378	0.77
1/18 through 12/18	17,594,897	1	25,865	3	38,528	29,044	58,345	151,782	0.86
1/19 through 12/19	17,020,968	0	0	4	33,790	0	74,146	107,936	0.64
1/20 through 12/20	16,302,276	0	0	2	11,079	0	30,014	41,093	0.25
1/21 through 12/21	17,527,391	0	0	2	9,284	0	35,122	44,406	0.25
5 YR. TOTAL	84,411,882	2	40,986	16	121,150	62,545	242,914	467,595	0.55
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.192	17%	0.362	0.55			
Pure Premium Indicated by National Relativity		38%	0.743	41%	0.635	1.38			
Pure Premium Present on Rate Level		51%	0.635	42%	0.602	1.24			
Pure Premium Derived by Formula		0.627			0.575		1.20		

CLASS 3076		SHEET METAL PRODUCTS MFG.							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	418,706,251	11	682,635	107	1,642,547	327,879	1,585,488	4,238,549	1.01
1/18 through 12/18	438,616,085	12	644,818	107	2,199,198	321,618	1,860,391	5,026,025	1.15
1/19 through 12/19	452,544,518	7	373,284	98	1,751,580	191,545	1,453,100	3,769,509	0.83
1/20 through 12/20	396,453,880	6	177,779	78	1,503,360	50,188	1,224,350	2,955,677	0.75
1/21 through 12/21	538,138,598	15	665,828	66	1,228,490	635,394	1,295,983	3,825,695	0.71
5 YR. TOTAL	2,244,459,332	51	2,544,344	456	8,325,175	1,526,624	7,419,312	19,815,455	0.88
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	0.484	76%	0.399	0.88			
Pure Premium Indicated by National Relativity		23%	0.615	12%	0.554	1.17			
Pure Premium Present on Rate Level		24%	0.614	12%	0.469	1.08			
Pure Premium Derived by Formula		0.545			0.426		0.97		

CLASS 3081		FOUNDRY-FERROUS-NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	39,786,396	0	0	1	14,887	0	32,066	46,953	0.12
1/18 through 12/18	62,994,286	1	12,836	8	41,346	6,053	54,021	114,256	0.18
1/19 through 12/19	54,653,418	2	15,173	12	244,715	6,325	212,712	478,925	0.88
1/20 through 12/20	56,218,993	2	6,986	5	60,619	0	42,158	109,763	0.20
1/21 through 12/21	48,142,057	0	0	5	167,094	0	152,829	319,923	0.66
5 YR. TOTAL	261,795,150	5	34,995	31	528,661	12,378	493,786	1,069,820	0.41
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	0.215	29%	0.193	0.41			
Pure Premium Indicated by National Relativity		40%	1.045	35%	0.857	1.90			
Pure Premium Present on Rate Level		40%	0.730	36%	0.586	1.32			
Pure Premium Derived by Formula		0.753			0.567		1.32		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3082		FOUNDRY-STEEL CASTINGS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	16,026	0	0	0	0	0	0	0	0.00
1/19 through 12/19	340,539	0	0	0	0	0	0	0	0.00
1/20 through 12/20	1,311	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	357,876	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.000	0.000	0.000	0.00	
Pure Premium Indicated by National Relativity		32%	1.038	34%	0.855	0.855	0.855	1.89	
Pure Premium Present on Rate Level		67%	0.705	65%	0.707	0.707	0.707	1.41	
Pure Premium Derived by Formula			0.805		0.750	0.750	0.750	1.56	

CLASS 3085		FOUNDRY-NON-FERROUS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	11,344,813	1	7,516	10	119,117	22,344	94,748	243,725	2.15
1/18 through 12/18	16,373,054	0	0	7	334,065	0	424,114	758,179	4.63
1/19 through 12/19	20,954,852	1	7,241	6	78,127	0	65,816	151,184	0.72
1/20 through 12/20	18,105,386	2	5,722	5	56,875	20,020	96,911	179,528	0.99
1/21 through 12/21	26,056,710	0	0	6	122,841	0	574,888	697,729	2.68
5 YR. TOTAL	92,834,815	4	20,479	34	711,025	42,364	1,256,477	2,030,345	2.19
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	0.788	22%	1.399	1.399	1.399	2.19	
Pure Premium Indicated by National Relativity		43%	0.981	39%	0.772	0.772	0.772	1.75	
Pure Premium Present on Rate Level		44%	0.903	39%	0.927	0.927	0.927	1.83	
Pure Premium Derived by Formula			0.922		0.970	0.970	0.970	1.89	

CLASS 3110		FORGING WORK-DROP OR MACHINE							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	12,997,162	0	0	2	163,932	0	227,492	391,424	3.01
1/18 through 12/18	17,848,672	0	0	2	17,074	0	10,574	27,648	0.16
1/19 through 12/19	20,602,005	1	80,803	7	76,936	90,984	50,829	299,552	1.45
1/20 through 12/20	27,227,083	0	0	1	451	0	20,872	21,323	0.08
1/21 through 12/21	38,332,011	0	0	1	1,348	0	20,851	22,199	0.06
5 YR. TOTAL	117,006,933	1	80,803	13	259,741	90,984	330,618	762,146	0.65
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	0.291	21%	0.360	0.360	0.360	0.65	
Pure Premium Indicated by National Relativity		29%	0.767	31%	0.795	0.795	0.795	1.56	
Pure Premium Present on Rate Level		58%	0.753	48%	0.698	0.698	0.698	1.45	
Pure Premium Derived by Formula			0.697		0.657	0.657	0.657	1.35	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3111		BLACKSMITH							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	19,689,402	2	60,856	4	77,086	83,196	51,569	272,707	1.39
1/18 through 12/18	15,896,737	0	0	4	137,626	0	374,391	512,017	3.22
1/19 through 12/19	11,315,347	0	0	4	18,947	0	15,136	34,083	0.30
1/20 through 12/20	9,442,574	0	0	1	11,306	0	3,185	14,491	0.15
1/21 through 12/21	9,321,515	0	0	0	0	0	2,540	2,540	0.03
5 YR. TOTAL	65,665,575	2	60,856	13	244,965	83,196	446,821	835,838	1.27
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		9%	0.466	13%	0.807			1.27	
Pure Premium Indicated by National Relativity		24%	0.493	26%	0.385			0.88	
Pure Premium Present on Rate Level		67%	0.535	61%	0.497			1.03	
Pure Premium Derived by Formula		0.519			0.508		1.03		

CLASS 3113		TOOL MANUFACTURING-NOT DROP OR MACHINE FORGED-NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	76,109,123	3	234,884	5	190,702	91,887	104,190	621,663	0.82
1/18 through 12/18	74,655,049	2	66,963	10	375,939	34,934	183,028	660,864	0.89
1/19 through 12/19	75,999,509	1	281,516	9	98,968	58,509	130,701	569,694	0.75
1/20 through 12/20	78,294,285	3	213,541	7	175,483	167,805	156,712	713,541	0.91
1/21 through 12/21	75,747,910	0	0	13	276,645	0	214,018	490,663	0.65
5 YR. TOTAL	380,805,876	9	796,904	44	1,117,737	353,135	788,649	3,056,425	0.80
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		18%	0.503	26%	0.300			0.80	
Pure Premium Indicated by National Relativity		41%	0.326	37%	0.321			0.65	
Pure Premium Present on Rate Level		41%	0.395	37%	0.327			0.72	
Pure Premium Derived by Formula		0.386			0.318		0.70		

CLASS 3114		TOOL MFG-DROP OR MACHINE FORGED-NOC: MACHINING OR FINISHING OF TOOLS OR DIE MAKING OPERATIONS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	25,427,975	0	0	3	53,250	0	91,150	144,400	0.57
1/18 through 12/18	26,364,617	1	11,344	2	1,137	11,628	27,283	51,392	0.20
1/19 through 12/19	20,050,585	0	0	3	94,667	0	80,565	175,232	0.87
1/20 through 12/20	23,175,149	1	48,970	3	116,343	115,682	94,315	375,310	1.62
1/21 through 12/21	22,823,701	0	0	3	21,293	0	46,845	68,138	0.30
5 YR. TOTAL	117,842,027	2	60,314	14	286,690	127,310	340,158	814,472	0.69
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		11%	0.294	18%	0.397			0.69	
Pure Premium Indicated by National Relativity		26%	0.482	28%	0.458			0.94	
Pure Premium Present on Rate Level		63%	0.533	54%	0.470			1.00	
Pure Premium Derived by Formula		0.493			0.454		0.95		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3118		SAW MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,414,692	1	33,136	3	4,828	15,718	12,980	66,662	1.51
1/18 through 12/18	5,166,003	0	0	2	13,359	0	6,337	19,696	0.38
1/19 through 12/19	4,460,023	0	0	0	0	0	0	0	0.00
1/20 through 12/20	5,301,019	0	0	0	0	0	0	0	0.00
1/21 through 12/21	6,249,021	0	0	2	21,716	0	49,615	71,331	1.14
5 YR. TOTAL	25,590,758	1	33,136	7	39,903	15,718	68,932	157,689	0.62
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.285	7%	0.331	0.62			
Pure Premium Indicated by National Relativity		18%	0.391	20%	0.372	0.76			
Pure Premium Present on Rate Level		78%	0.370	73%	0.312	0.68			
Pure Premium Derived by Formula		0.370			0.325		0.70		

CLASS 3119		NEEDLE MFG							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,359,498	0	0	0	0	0	0	0	0.00
1/18 through 12/18	11,216,208	0	0	0	0	0	0	0	0.00
1/19 through 12/19	12,388,526	0	0	0	0	0	0	0	0.00
1/20 through 12/20	11,497,674	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	45,461,906	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.000	6%	0.000	0.00			
Pure Premium Indicated by National Relativity		6%	0.135	7%	0.141	0.28			
Pure Premium Present on Rate Level		90%	0.141	87%	0.131	0.27			
Pure Premium Derived by Formula		0.135			0.124		0.26		

CLASS 3122		CUTLERY MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,932,803	0	0	0	0	0	968	968	0.05
1/18 through 12/18	2,829,258	1	133,222	0	0	84,271	425	217,918	7.70
1/19 through 12/19	2,649,560	0	0	0	0	0	595	595	0.02
1/20 through 12/20	3,826,563	0	0	1	56,951	0	5,482	62,433	1.63
1/21 through 12/21	3,764,155	0	0	1	1,315	0	15,496	16,811	0.45
5 YR. TOTAL	15,002,339	1	133,222	2	58,266	84,271	22,966	298,725	1.99
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	1.276	6%	0.715	1.99			
Pure Premium Indicated by National Relativity		17%	0.402	18%	0.255	0.66			
Pure Premium Present on Rate Level		79%	0.423	76%	0.405	0.83			
Pure Premium Derived by Formula		0.454			0.397		0.85		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3126		TOOL MFG-AGRICULTURAL, CONSTRUCTION, LOGGING, MINING, OIL OR ARTESIAN WELL								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	18,964,221	0	0	1	5,874	0	22,036	27,910	0.15	
1/18 through 12/18	18,166,085	0	0	2	49,274	0	76,046	125,320	0.69	
1/19 through 12/19	16,491,807	0	0	1	16,774	0	35,436	52,210	0.32	
1/20 through 12/20	16,845,434	1	160,635	0	0	80,732	3,430	244,797	1.45	
1/21 through 12/21	14,709,240	1	17,620	0	0	12,855	4,517	34,992	0.24	
5 YR. TOTAL	85,176,787	2	178,255	4	71,922	93,587	141,465	485,229	0.57	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		8%	0.294	12%	0.276	0.57				
Pure Premium Indicated by National Relativity		31%	0.377	33%	0.275	0.65				
Pure Premium Present on Rate Level		61%	0.343	55%	0.281	0.62				
Pure Premium Derived by Formula		0.350			0.278		0.63			

CLASS 3131		BUTTON OR FASTENER MFG-METAL								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	23,026,841	0	0	2	16,114	0	57,474	73,588	0.32	
1/18 through 12/18	25,959,787	0	0	4	78,260	0	73,550	151,810	0.58	
1/19 through 12/19	20,042,266	0	0	2	29,473	0	39,235	68,708	0.34	
1/20 through 12/20	18,967,422	0	0	4	122,773	0	114,187	236,960	1.25	
1/21 through 12/21	20,469,677	0	0	2	17,634	0	55,401	73,035	0.36	
5 YR. TOTAL	108,465,993	0	0	14	264,254	0	339,847	604,101	0.56	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		8%	0.244	13%	0.313	0.56				
Pure Premium Indicated by National Relativity		18%	0.246	19%	0.244	0.49				
Pure Premium Present on Rate Level		74%	0.276	68%	0.298	0.57				
Pure Premium Derived by Formula		0.268			0.290		0.56			

CLASS 3132		NUT OR BOLT MFG								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	3,536,857	0	0	1	21,762	0	26,861	48,623	1.37	
1/18 through 12/18	3,593,366	0	0	1	2,730	0	2,141	4,871	0.14	
1/19 through 12/19	3,036,513	0	0	0	0	0	2,208	2,208	0.07	
1/20 through 12/20	3,595,324	0	0	0	0	0	9,471	9,471	0.26	
1/21 through 12/21	2,919,933	0	0	1	6,649	0	6,437	13,086	0.45	
5 YR. TOTAL	16,681,993	0	0	3	31,141	0	47,118	78,259	0.47	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		4%	0.187	7%	0.282	0.47				
Pure Premium Indicated by National Relativity		28%	0.403	30%	0.432	0.84				
Pure Premium Present on Rate Level		68%	0.464	63%	0.481	0.95				
Pure Premium Derived by Formula		0.436			0.452		0.89			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3145		SCREW MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,686,448	0	0	1	4,001	0	1,344	5,345	0.11
1/18 through 12/18	1,052,848	0	0	0	0	0	0	0	0.00
1/19 through 12/19	4,157,794	0	0	0	0	0	0	0	0.00
1/20 through 12/20	2,766,534	0	0	0	0	0	0	0	0.00
1/21 through 12/21	2,344,174	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	15,007,798	0	0	1	4,001	0	1,344	5,345	0.04
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.027	5%	0.009			0.04	
Pure Premium Indicated by National Relativity		36%	0.362	38%	0.338			0.70	
Pure Premium Present on Rate Level		61%	0.359	57%	0.342			0.70	
Pure Premium Derived by Formula		0.350			0.324		0.67		

CLASS 3146		HARDWARE MFG NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	150,101,253	1	165,831	18	129,363	74,901	285,326	655,421	0.44
1/18 through 12/18	142,910,570	1	153,681	11	175,003	141,102	328,061	797,847	0.56
1/19 through 12/19	153,235,566	0	0	24	447,782	0	627,125	1,074,907	0.70
1/20 through 12/20	138,591,581	1	5,710	16	514,714	7,459	467,096	994,979	0.72
1/21 through 12/21	132,284,628	3	152,675	23	410,321	25,262	247,298	835,556	0.63
5 YR. TOTAL	717,123,598	6	477,897	92	1,677,183	248,724	1,954,906	4,358,710	0.61
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		24%	0.301	38%	0.307			0.61	
Pure Premium Indicated by National Relativity		38%	0.411	31%	0.393			0.80	
Pure Premium Present on Rate Level		38%	0.374	31%	0.356			0.73	
Pure Premium Derived by Formula		0.371			0.349		0.72		

CLASS 3169		STOVE MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	65,168,125	3	62,052	16	478,216	26,007	325,704	891,979	1.37
1/18 through 12/18	70,262,586	1	13,426	15	234,273	6,329	207,934	461,962	0.66
1/19 through 12/19	73,196,091	2	394,529	9	254,615	62,278	108,991	820,413	1.12
1/20 through 12/20	76,431,102	3	58,104	14	401,286	35,689	222,442	717,521	0.94
1/21 through 12/21	91,750,088	0	0	11	192,939	0	160,984	353,923	0.39
5 YR. TOTAL	376,807,992	9	528,111	65	1,561,329	130,303	1,026,055	3,245,798	0.86
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		19%	0.555	30%	0.307			0.86	
Pure Premium Indicated by National Relativity		40%	0.463	35%	0.451			0.91	
Pure Premium Present on Rate Level		41%	0.486	35%	0.440			0.93	
Pure Premium Derived by Formula		0.490			0.404		0.89		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3179		ELECTRICAL APPARATUS MFG NOC								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	484,077,670	6	267,996	75	1,443,231	79,277	964,032	2,754,536	0.57	
1/18 through 12/18	485,840,393	8	372,135	76	1,097,847	155,337	925,971	2,551,290	0.53	
1/19 through 12/19	469,986,311	6	381,095	57	1,667,926	152,813	1,095,765	3,297,599	0.70	
1/20 through 12/20	491,572,081	8	361,046	63	1,491,780	188,967	992,148	3,033,941	0.62	
1/21 through 12/21	483,893,558	6	480,127	43	1,404,027	146,318	852,909	2,883,381	0.60	
5 YR. TOTAL	2,415,370,013	34	1,862,399	314	7,104,811	722,712	4,830,825	14,520,747	0.60	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		43%	0.371	61%	0.230	0.60				
Pure Premium Indicated by National Relativity		28%	0.453	19%	0.346	0.80				
Pure Premium Present on Rate Level		29%	0.377	20%	0.276	0.65				
Pure Premium Derived by Formula		0.396			0.261		0.66			

CLASS 3180		ELECTRIC OR GAS LIGHTING FIXTURES MFG								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	11,404,380	0	0	0	0	0	4,721	4,721	0.04	
1/18 through 12/18	7,721,570	0	0	0	0	0	723	723	0.01	
1/19 through 12/19	30,384,626	0	0	1	2,221	0	12,604	14,825	0.05	
1/20 through 12/20	26,676,194	0	0	2	156,430	0	36,431	192,861	0.72	
1/21 through 12/21	24,963,074	2	179,019	0	0	34,839	21,336	235,194	0.94	
5 YR. TOTAL	101,149,844	2	179,019	3	158,651	34,839	75,815	448,324	0.44	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		9%	0.334	15%	0.109	0.44				
Pure Premium Indicated by National Relativity		33%	0.493	35%	0.462	0.96				
Pure Premium Present on Rate Level		58%	0.430	50%	0.379	0.81				
Pure Premium Derived by Formula		0.442			0.368		0.81			

CLASS 3188		PLUMBERS SUPPLIES MFG NOC								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	64,458,870	1	15,707	8	37,396	0	56,210	109,313	0.17	
1/18 through 12/18	64,059,105	1	29,694	6	43,606	36,413	39,623	149,336	0.23	
1/19 through 12/19	65,732,505	1	28,662	3	16,138	17,842	32,205	94,847	0.14	
1/20 through 12/20	72,968,956	4	111,862	3	32,673	52,974	49,105	246,614	0.34	
1/21 through 12/21	57,934,812	0	0	3	115,580	0	51,356	166,936	0.29	
5 YR. TOTAL	325,154,248	7	185,925	23	245,393	107,229	228,499	767,046	0.24	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		15%	0.133	22%	0.103	0.24				
Pure Premium Indicated by National Relativity		32%	0.403	34%	0.343	0.75				
Pure Premium Present on Rate Level		53%	0.341	44%	0.273	0.61				
Pure Premium Derived by Formula		0.330			0.259		0.59			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3220		CAN MFG								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	30,359,138	0	0	5	464,708	0	176,063	640,771	2.11	
1/18 through 12/18	19,899,843	0	0	2	36,330	0	17,590	53,920	0.27	
1/19 through 12/19	23,314,426	0	0	1	14,425	0	9,306	23,731	0.10	
1/20 through 12/20	25,111,551	0	0	0	0	0	2,108	2,108	0.01	
1/21 through 12/21	31,111,701	0	0	4	174,406	0	105,132	279,538	0.90	
5 YR. TOTAL	129,796,659	0	0	12	689,869	0	310,199	1,000,068	0.77	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		12%	0.531	16%	0.239	0.77				
Pure Premium Indicated by National Relativity		30%	0.428	32%	0.320	0.75				
Pure Premium Present on Rate Level		58%	0.516	52%	0.353	0.87				
Pure Premium Derived by Formula		0.491			0.324		0.82			

CLASS 3224		ENAMEL WARE MFG.								
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	8,100	0	0	0	0	0	0	0	0.00	
1/19 through 12/19	375	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	8,475	0	0	0	0	0	0	0	0.00	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		0%	0.000	0%	0.000	0.00				
Pure Premium Indicated by National Relativity		7%	0.404	8%	0.261	0.67				
Pure Premium Present on Rate Level		93%	0.756	92%	0.551	1.31				
Pure Premium Derived by Formula		0.731			0.528		1.26			

CLASS 3227		ALUMINUM WARE MFG								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	10,390,683	0	0	6	45,199	0	37,342	82,541	0.79	
1/18 through 12/18	7,410,733	0	0	4	102,779	0	78,157	180,936	2.44	
1/19 through 12/19	7,307,372	1	23,566	7	183,908	69,156	81,783	358,413	4.91	
1/20 through 12/20	5,581,729	1	151,369	5	70,446	0	185,368	407,183	7.30	
1/21 through 12/21	5,232,914	0	0	2	96,799	0	53,895	150,694	2.88	
5 YR. TOTAL	35,923,431	2	174,935	24	499,131	69,156	436,545	1,179,767	3.28	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		8%	1.876	11%	1.408	3.28				
Pure Premium Indicated by National Relativity		46%	0.536	44%	0.416	0.95				
Pure Premium Present on Rate Level		46%	0.786	45%	0.589	1.38				
Pure Premium Derived by Formula		0.758			0.603		1.36			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3241		WIRE DRAWING-IRON OR STEEL								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	4,001,912	0	0	0	0	0	2,212	2,212	0.06	
1/18 through 12/18	4,314,586	0	0	2	50,710	0	26,102	76,812	1.78	
1/19 through 12/19	4,646,808	0	0	2	18,506	0	17,031	35,537	0.77	
1/20 through 12/20	4,024,974	0	0	0	0	0	197	197	0.01	
1/21 through 12/21	4,142,804	0	0	0	0	0	2,795	2,795	0.07	
5 YR. TOTAL	21,131,084	0	0	4	69,216	0	48,337	117,553	0.56	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		5%	0.328	8%	0.229	0.56				
Pure Premium Indicated by National Relativity		37%	0.747	39%	0.590	1.34				
Pure Premium Present on Rate Level		58%	0.620	53%	0.501	1.12				
Pure Premium Derived by Formula		0.652			0.514		1.17			

CLASS 3255		WIRE CLOTH MFG								
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	874,770	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	702,642	0	0	0	0	0	0	0	0.00	
1/19 through 12/19	946,261	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	1,039,998	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	1,321,852	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	4,885,523	0	0	0	0	0	0	0	0.00	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		2%	0.000	4%	0.000	0.00				
Pure Premium Indicated by National Relativity		8%	1.065	8%	0.304	1.37				
Pure Premium Present on Rate Level		90%	0.472	88%	0.453	0.93				
Pure Premium Derived by Formula		0.510			0.423		0.93			

CLASS 3257		WIRE GOODS MFG NOC								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	74,591,887	0	0	21	451,304	0	291,451	742,755	1.00	
1/18 through 12/18	74,553,972	3	254,749	17	388,263	55,406	331,984	1,030,402	1.38	
1/19 through 12/19	71,360,607	4	281,939	22	796,745	188,640	482,394	1,749,718	2.45	
1/20 through 12/20	84,980,505	2	256,886	18	407,578	177,749	414,785	1,256,998	1.48	
1/21 through 12/21	91,781,755	1	11,589	25	370,881	44,300	520,016	946,786	1.03	
5 YR. TOTAL	397,268,726	10	805,163	103	2,414,771	466,095	2,040,630	5,726,659	1.44	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		22%	0.811	35%	0.631	1.44				
Pure Premium Indicated by National Relativity		39%	0.520	32%	0.502	1.02				
Pure Premium Present on Rate Level		39%	0.575	33%	0.545	1.12				
Pure Premium Derived by Formula		0.605			0.561		1.17			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3270		EYELET MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	362,676	0	0	0	0	0	0	0	0.00
1/18 through 12/18	436,342	0	0	0	0	0	141	141	0.03
1/19 through 12/19	469,349	0	0	0	0	0	0	0	0.00
1/20 through 12/20	395,465	0	0	0	0	0	0	0	0.00
1/21 through 12/21	420,761	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,084,593	0	0	0	0	0	141	141	0.01
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	2%	0.007	0.01			
Pure Premium Indicated by National Relativity		21%	0.472	23%	0.382	0.85			
Pure Premium Present on Rate Level		78%	0.404	75%	0.414	0.82			
Pure Premium Derived by Formula		0.414			0.399			0.81	

CLASS 3300		BED SPRING OR WIRE MATTRESS MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	25,458,100	1	3,720	9	92,401	2,488	123,957	222,566	0.88
1/18 through 12/18	25,125,206	2	78,437	12	273,646	97,330	137,595	587,008	2.34
1/19 through 12/19	20,649,077	1	18,290	6	57,983	1,870	81,325	159,468	0.77
1/20 through 12/20	23,506,897	0	0	7	96,099	0	145,424	241,523	1.03
1/21 through 12/21	22,200,084	2	498,687	8	243,377	222,137	158,361	1,122,562	5.06
5 YR. TOTAL	116,939,364	6	599,134	42	763,506	323,825	646,662	2,333,127	2.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	1.165	24%	0.830	2.00			
Pure Premium Indicated by National Relativity		35%	0.606	38%	0.600	1.21			
Pure Premium Present on Rate Level		51%	0.797	38%	0.877	1.67			
Pure Premium Derived by Formula		0.782			0.760			1.54	

CLASS 3303		SPRING MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	475,941	0	0	2	355	0	1,066	1,421	0.30
1/18 through 12/18	167,246	0	0	0	0	0	0	0	0.00
1/19 through 12/19	2,319	0	0	0	0	0	0	0	0.00
1/20 through 12/20	214,433	0	0	0	0	0	0	0	0.00
1/21 through 12/21	576,184	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,436,123	0	0	2	355	0	1,066	1,421	0.10
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.025	2%	0.074	0.10			
Pure Premium Indicated by National Relativity		27%	0.645	29%	0.580	1.23			
Pure Premium Present on Rate Level		72%	0.516	69%	0.440	0.96			
Pure Premium Derived by Formula		0.546			0.473			1.02	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3307		HEAT-TREATING-METAL							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,690,859	0	0	1	25,642	0	19,948	45,590	0.97
1/18 through 12/18	4,742,436	0	0	0	0	0	640	640	0.01
1/19 through 12/19	5,325,315	0	0	0	0	0	9,978	9,978	0.19
1/20 through 12/20	4,665,978	0	0	2	183,404	0	79,098	262,502	5.63
1/21 through 12/21	5,768,698	0	0	1	13,479	0	2,391	15,870	0.28
5 YR. TOTAL	25,193,286	0	0	4	222,525	0	112,055	334,580	1.33
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.883	8%	0.445	1.33			
Pure Premium Indicated by National Relativity		24%	0.456	26%	0.396	0.85			
Pure Premium Present on Rate Level		71%	0.513	66%	0.462	0.98			
Pure Premium Derived by Formula		0.518			0.443		0.96		

CLASS 3315		BRASS OR COPPER GOODS MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	13,403,183	1	20,774	3	267,892	10,710	94,746	394,122	2.94
1/18 through 12/18	15,812,916	1	20,726	12	105,805	2,545	107,100	236,176	1.49
1/19 through 12/19	15,570,641	0	0	5	128,263	0	114,650	242,913	1.56
1/20 through 12/20	18,033,711	1	5,288	7	176,880	25,331	164,179	371,678	2.06
1/21 through 12/21	18,590,407	0	0	6	25,184	0	28,997	54,181	0.29
5 YR. TOTAL	81,410,858	3	46,788	33	704,024	38,586	509,672	1,299,070	1.60
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.922	17%	0.673	1.60			
Pure Premium Indicated by National Relativity		19%	0.456	21%	0.417	0.87			
Pure Premium Present on Rate Level		70%	0.728	62%	0.646	1.37			
Pure Premium Derived by Formula		0.698			0.603		1.30		

CLASS 3334		TIN FOIL MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,437,035	1	108,802	4	204,868	48,494	111,887	474,051	4.54
1/18 through 12/18	11,890,230	0	0	4	204,173	0	89,108	293,281	2.47
1/19 through 12/19	8,181,688	1	145,953	1	15,792	12,283	38,440	212,468	2.60
1/20 through 12/20	13,142,540	0	0	6	90,249	0	71,270	161,519	1.23
1/21 through 12/21	16,352,915	0	0	9	888,389	0	262,436	1,150,825	7.04
5 YR. TOTAL	60,004,408	2	254,755	24	1,403,471	60,777	573,141	2,292,144	3.82
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	2.764	12%	1.056	3.82			
Pure Premium Indicated by National Relativity		14%	0.579	14%	0.260	0.84			
Pure Premium Present on Rate Level		75%	0.910	74%	0.467	1.38			
Pure Premium Derived by Formula		1.068			0.509		1.58		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3336		TYPE FOUNDRY							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	385,400	0	0	0	0	0	0	0	0.00
1/18 through 12/18	354,548	0	0	0	0	0	0	0	0.00
1/19 through 12/19	503,613	0	0	0	0	0	0	0	0.00
1/20 through 12/20	516,282	0	0	0	0	0	123	123	0.02
1/21 through 12/21	507,509	0	0	0	0	0	206	206	0.04
5 YR. TOTAL	2,267,352	0	0	0	0	0	329	329	0.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	0.000	2%		0.014		0.01	
Pure Premium Indicated by National Relativity		32%	0.631	34%		0.491		1.12	
Pure Premium Present on Rate Level		66%	0.498	64%		0.399		0.90	
Pure Premium Derived by Formula		0.531			0.423		0.95		

CLASS 3365		WELDING OR CUTTING NOC & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	25,940,403	1	48,358	7	583,947	52,958	208,338	893,601	3.45
1/18 through 12/18	28,911,736	3	57,103	6	506,301	10,772	346,911	921,087	3.19
1/19 through 12/19	36,583,079	1	86,258	15	705,153	62,456	276,378	1,130,245	3.09
1/20 through 12/20	34,967,250	2	222,190	14	241,160	108,127	236,137	807,614	2.31
1/21 through 12/21	44,163,298	3	478,657	8	304,062	134,181	439,790	1,356,690	3.07
5 YR. TOTAL	170,565,766	10	892,566	50	2,340,623	368,494	1,507,554	5,109,237	3.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		22%	1.896	30%		1.100		3.00	
Pure Premium Indicated by National Relativity		39%	1.158	35%		0.808		1.97	
Pure Premium Present on Rate Level		39%	1.402	35%		0.916		2.32	
Pure Premium Derived by Formula		1.416			0.933		2.35		

CLASS 3372		ELECTROPLATING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	24,181,569	1	79,489	4	169,018	12,504	90,107	351,118	1.45
1/18 through 12/18	23,099,832	1	9,588	3	10,984	15,151	14,212	49,935	0.22
1/19 through 12/19	24,131,410	1	154,913	1	6,847	23,080	36,163	221,003	0.92
1/20 through 12/20	22,500,221	1	121,967	7	38,398	94,756	50,064	305,185	1.36
1/21 through 12/21	28,515,924	2	192,173	6	67,470	85,954	39,202	384,799	1.35
5 YR. TOTAL	122,428,956	6	558,130	21	292,717	231,445	229,748	1,312,040	1.07
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		12%	0.695	17%		0.377		1.07	
Pure Premium Indicated by National Relativity		44%	0.596	41%		0.517		1.11	
Pure Premium Present on Rate Level		44%	0.564	42%		0.440		1.00	
Pure Premium Derived by Formula		0.594			0.461		1.06		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3373		GALVANIZING OR TINNING-NOT ELECTROLYTIC								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	8,493,308	0	0	7	48,028	0	52,182	100,210	1.18	
1/18 through 12/18	9,327,238	0	0	3	18,530	0	18,893	37,423	0.40	
1/19 through 12/19	7,614,901	0	0	1	20,013	0	19,143	39,156	0.51	
1/20 through 12/20	5,977,304	0	0	1	45,226	0	17,353	62,579	1.05	
1/21 through 12/21	11,438,850	1	52,748	3	38,154	25,256	27,227	143,385	1.25	
5 YR. TOTAL	42,851,601	1	52,748	15	169,951	25,256	134,798	382,753	0.89	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		9%	0.520	13%	0.374	0.89				
Pure Premium Indicated by National Relativity		30%	0.921	32%	0.817	1.74				
Pure Premium Present on Rate Level		61%	0.841	55%	0.661	1.50				
Pure Premium Derived by Formula		0.836			0.674		1.51			

CLASS 3383		JEWELRY MFG								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	3,863,794	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	4,778,887	0	0	0	0	0	0	0	0.00	
1/19 through 12/19	5,629,430	0	0	0	0	0	288	288	0.01	
1/20 through 12/20	3,873,248	0	0	0	0	0	560	560	0.01	
1/21 through 12/21	5,134,423	0	0	0	0	0	739	739	0.01	
5 YR. TOTAL	23,279,782	0	0	0	0	0	1,587	1,587	0.01	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		4%	0.000	6%	0.007	0.01				
Pure Premium Indicated by National Relativity		30%	0.354	32%	0.296	0.65				
Pure Premium Present on Rate Level		66%	0.292	62%	0.244	0.54				
Pure Premium Derived by Formula		0.299			0.246		0.55			

CLASS 3385		WATCH MFG								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	1,451,341	0	0	1	4,619	0	12,172	16,791	1.16	
1/18 through 12/18	757,367	0	0	0	0	0	3,503	3,503	0.46	
1/19 through 12/19	1,456,372	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	1,954,328	1	17,489	0	0	15,274	248	33,011	1.69	
1/21 through 12/21	1,873,925	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	7,493,333	1	17,489	1	4,619	15,274	15,923	53,305	0.71	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		2%	0.295	3%	0.416	0.71				
Pure Premium Indicated by National Relativity		6%	0.189	6%	0.209	0.40				
Pure Premium Present on Rate Level		92%	0.197	91%	0.212	0.41				
Pure Premium Derived by Formula		0.198			0.218		0.42			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3400		METAL STAMPED GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	216,301,370	5	187,076	53	844,051	150,540	897,589	2,079,256	0.96
1/18 through 12/18	224,625,788	6	392,077	51	834,826	205,356	920,676	2,352,935	1.05
1/19 through 12/19	213,209,973	3	114,278	29	401,713	124,520	482,576	1,123,087	0.53
1/20 through 12/20	137,248,056	3	27,097	34	1,132,638	56,806	825,184	2,041,725	1.49
1/21 through 12/21	128,835,249	2	44,517	24	458,443	12,365	391,464	906,789	0.70
5 YR. TOTAL	920,220,436	19	765,045	191	3,671,671	549,587	3,517,489	8,503,792	0.92
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		32%	0.482	51%	0.442	0.92			
Pure Premium Indicated by National Relativity		34%	0.654	24%	0.563	1.22			
Pure Premium Present on Rate Level		34%	0.535	25%	0.517	1.05			
Pure Premium Derived by Formula		0.559			0.490			1.05	

CLASS 3507		CONSTRUCTION OR AGRICULTURAL MACHINERY MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	260,702,964	5	270,537	58	609,070	127,573	632,237	1,639,417	0.63
1/18 through 12/18	286,851,539	9	188,054	51	416,213	124,521	468,529	1,197,317	0.42
1/19 through 12/19	268,951,582	6	373,766	40	1,136,259	216,213	868,890	2,595,128	0.96
1/20 through 12/20	307,179,445	6	276,325	50	1,466,045	146,118	951,104	2,839,592	0.92
1/21 through 12/21	342,643,317	2	70,092	54	1,067,176	75,050	809,604	2,021,922	0.59
5 YR. TOTAL	1,466,328,847	28	1,178,774	253	4,694,763	689,475	3,730,364	10,293,376	0.70
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		37%	0.401	53%	0.301	0.70			
Pure Premium Indicated by National Relativity		31%	0.565	23%	0.483	1.05			
Pure Premium Present on Rate Level		32%	0.449	24%	0.351	0.80			
Pure Premium Derived by Formula		0.467			0.355			0.82	

CLASS 3515		TEXTILE MACHINERY MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	18,632,043	0	0	3	26,580	0	43,828	70,408	0.38
1/18 through 12/18	19,782,321	0	0	1	322	0	5,099	5,421	0.03
1/19 through 12/19	18,003,758	0	0	2	18,424	0	27,039	45,463	0.25
1/20 through 12/20	16,139,444	0	0	2	35,810	0	37,134	72,944	0.45
1/21 through 12/21	17,287,234	1	35,238	3	88,467	22,810	229,129	375,644	2.17
5 YR. TOTAL	89,844,800	1	35,238	11	169,603	22,810	342,229	569,880	0.63
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.228	12%	0.406	0.63			
Pure Premium Indicated by National Relativity		10%	0.367	10%	0.264	0.63			
Pure Premium Present on Rate Level		82%	0.334	78%	0.309	0.64			
Pure Premium Derived by Formula		0.329			0.316			0.65	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3548		PRINTING OR BOOKBINDING MACHINE MFG								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	1,158,754	1	29,591	0	0	17,096	1,892	48,579	4.19	
1/18 through 12/18	1,131,468	1	6,217	0	0	5,913	1,154	13,284	1.17	
1/19 through 12/19	1,032,098	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	1,204,288	0	0	0	0	0	1,129	1,129	0.09	
1/21 through 12/21	3,405,604	0	0	0	0	0	2,504	2,504	0.07	
5 YR. TOTAL	7,932,212	2	35,808	0	0	23,009	6,679	65,496	0.83	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		2%	0.451	4%	0.374	0.83				
Pure Premium Indicated by National Relativity		19%	0.310	20%	0.243	0.55				
Pure Premium Present on Rate Level		79%	0.316	76%	0.298	0.61				
Pure Premium Derived by Formula		0.318			0.290		0.61			

CLASS 3559		CONFECTION MACHINE MFG								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	5,623,714	0	0	0	0	0	894	894	0.02	
1/18 through 12/18	5,538,592	0	0	1	4,028	0	1,969	5,997	0.11	
1/19 through 12/19	1,390,241	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	3,722,085	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	4,332,500	0	0	0	0	0	996	996	0.02	
5 YR. TOTAL	20,607,132	0	0	1	4,028	0	3,859	7,887	0.04	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		4%	0.020	6%	0.019	0.04				
Pure Premium Indicated by National Relativity		19%	0.324	21%	0.316	0.64				
Pure Premium Present on Rate Level		77%	0.464	73%	0.364	0.83				
Pure Premium Derived by Formula		0.420			0.333		0.75			

CLASS 3574		COMPUTING, RECORDING OR OFFICE MACHINE MFG NOC								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	125,446,979	0	0	19	239,255	0	215,324	454,579	0.36	
1/18 through 12/18	133,537,362	2	95,950	13	227,938	29,209	133,543	486,640	0.37	
1/19 through 12/19	134,708,249	0	0	8	179,360	0	153,560	332,920	0.25	
1/20 through 12/20	163,454,385	1	39,433	16	507,812	12,966	336,893	897,104	0.55	
1/21 through 12/21	197,714,562	0	0	13	389,813	0	254,472	644,285	0.33	
5 YR. TOTAL	754,861,537	3	135,383	69	1,544,178	42,175	1,093,792	2,815,528	0.37	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		19%	0.222	27%	0.150	0.37				
Pure Premium Indicated by National Relativity		40%	0.177	36%	0.158	0.34				
Pure Premium Present on Rate Level		41%	0.225	37%	0.175	0.40				
Pure Premium Derived by Formula		0.205			0.162		0.37			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3581		FUEL INJECTION DEVICE MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	22,332,998	0	0	6	51,728	0	63,491	115,219	0.52
1/18 through 12/18	26,040,600	1	8,290	4	31,796	2,982	43,006	86,074	0.33
1/19 through 12/19	17,519,964	0	0	0	0	0	1,474	1,474	0.01
1/20 through 12/20	18,727,653	0	0	3	19,290	0	3,935	23,225	0.12
1/21 through 12/21	19,317,290	0	0	0	0	0	1,977	1,977	0.01
5 YR. TOTAL	103,938,505	1	8,290	13	102,814	2,982	113,883	227,969	0.22
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		7%	0.107	11%	0.112			0.22	
Pure Premium Indicated by National Relativity		27%	0.208	29%	0.185			0.39	
Pure Premium Present on Rate Level		66%	0.243	60%	0.206			0.45	
Pure Premium Derived by Formula		0.224			0.190		0.41		

CLASS 3612		PUMP MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	144,380,306	4	101,908	22	195,469	75,458	254,737	627,572	0.44
1/18 through 12/18	136,691,776	2	104,193	24	571,609	15,482	412,209	1,103,493	0.81
1/19 through 12/19	159,905,141	1	113,692	12	393,782	48,034	247,583	803,091	0.50
1/20 through 12/20	183,147,077	1	216,967	15	437,637	31,825	366,145	1,052,574	0.57
1/21 through 12/21	126,037,105	1	16,517	18	184,667	14,647	180,274	396,105	0.32
5 YR. TOTAL	750,161,405	9	553,277	91	1,783,164	185,446	1,460,948	3,982,835	0.53
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		24%	0.311	36%	0.219			0.53	
Pure Premium Indicated by National Relativity		38%	0.352	32%	0.306			0.66	
Pure Premium Present on Rate Level		38%	0.377	32%	0.305			0.68	
Pure Premium Derived by Formula		0.352			0.274		0.63		

CLASS 3620		BOILERMAKING							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	26,507,804	2	35,870	12	95,636	17,431	141,836	290,773	1.10
1/18 through 12/18	38,916,997	1	156,737	12	73,758	319,487	97,917	647,899	1.67
1/19 through 12/19	30,583,606	1	19,166	7	26,946	14,360	54,086	114,558	0.38
1/20 through 12/20	31,747,282	1	144,500	6	40,242	110,644	116,732	412,118	1.30
1/21 through 12/21	30,396,210	0	0	8	60,484	0	73,768	134,252	0.44
5 YR. TOTAL	158,151,899	5	356,273	45	297,066	461,922	484,339	1,599,600	1.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		14%	0.413	22%	0.598			1.01	
Pure Premium Indicated by National Relativity		43%	0.541	39%	0.416			0.96	
Pure Premium Present on Rate Level		43%	0.599	39%	0.541			1.14	
Pure Premium Derived by Formula		0.548			0.505		1.05		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
 ** Pure Premium per employee
 ++ Non-Standard Calculation

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CLASS 3629		MACHINED PARTS MFG. NOC								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	171,445,753	4	163,994	25	591,397	77,417	522,110	1,354,918	0.79	
1/18 through 12/18	188,487,578	2	7,147	20	388,813	16,276	284,426	696,662	0.37	
1/19 through 12/19	189,623,167	2	17,982	23	478,801	9,093	247,777	753,653	0.40	
1/20 through 12/20	159,036,683	0	0	12	173,683	0	159,944	333,627	0.21	
1/21 through 12/21	212,316,942	5	312,924	28	603,026	94,926	536,746	1,547,622	0.73	
5 YR. TOTAL	920,910,123	13	502,047	108	2,235,720	197,712	1,751,003	4,686,482	0.51	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		24%	0.297	36%	0.212	0.51				
Pure Premium Indicated by National Relativity		38%	0.348	32%	0.285	0.63				
Pure Premium Present on Rate Level		38%	0.313	32%	0.252	0.57				
Pure Premium Derived by Formula		0.322			0.248		0.57			

CLASS 3632		MACHINE SHOP NOC								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	609,624,624	18	749,987	127	2,546,518	392,404	1,859,457	5,548,366	0.91	
1/18 through 12/18	757,916,499	7	185,719	117	2,496,527	102,825	2,005,839	4,790,910	0.63	
1/19 through 12/19	799,249,746	11	571,546	124	3,497,316	523,731	2,600,208	7,192,801	0.90	
1/20 through 12/20	847,038,724	16	1,428,572	107	2,295,241	1,219,729	2,090,579	7,034,121	0.83	
1/21 through 12/21	906,771,875	9	757,443	110	2,928,098	228,742	2,697,940	6,612,223	0.73	
5 YR. TOTAL	3,920,601,468	61	3,693,267	585	13,763,700	2,467,431	11,254,023	31,178,421	0.80	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		61%	0.445	90%	0.350	0.80				
Pure Premium Indicated by National Relativity		19%	0.516	5%	0.400	0.92				
Pure Premium Present on Rate Level		20%	0.468	5%	0.370	0.84				
Pure Premium Derived by Formula		0.463			0.354		0.82			

CLASS 3634		VALVE MFG								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	84,212,168	1	52,649	7	44,346	26,820	88,716	212,531	0.25	
1/18 through 12/18	93,518,011	0	0	9	44,166	0	79,786	123,952	0.13	
1/19 through 12/19	79,622,849	2	105,781	10	379,291	140,622	224,421	850,115	1.07	
1/20 through 12/20	69,113,747	1	60,303	9	106,861	19,187	209,098	395,449	0.57	
1/21 through 12/21	67,368,563	1	9,935	7	123,033	0	149,285	282,253	0.42	
5 YR. TOTAL	393,835,338	5	228,668	42	697,697	186,629	751,306	1,864,300	0.47	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		16%	0.235	24%	0.238	0.47				
Pure Premium Indicated by National Relativity		42%	0.400	38%	0.318	0.72				
Pure Premium Present on Rate Level		42%	0.311	38%	0.254	0.57				
Pure Premium Derived by Formula		0.336			0.274		0.61			

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* Pure Premium per \$100 of Payroll
 ** Pure Premium per employee
 ++ Non-Standard Calculation

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CLASS 3635		GEAR MFG OR GRINDING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	71,757,930	0	0	10	89,867	0	137,049	226,916	0.32
1/18 through 12/18	72,112,176	0	0	3	12,551	0	42,663	55,214	0.08
1/19 through 12/19	39,263,528	1	42,992	7	77,950	25,686	92,106	238,734	0.61
1/20 through 12/20	10,493,386	0	0	0	0	0	1,253	1,253	0.01
1/21 through 12/21	9,256,727	0	0	0	0	0	12,406	12,406	0.13
5 YR. TOTAL	202,883,747	1	42,992	20	180,368	25,686	285,477	534,523	0.26
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		11%	0.110	16%	0.153			0.26	
Pure Premium Indicated by National Relativity		35%	0.368	37%	0.276			0.64	
Pure Premium Present on Rate Level		54%	0.295	47%	0.242			0.54	
Pure Premium Derived by Formula		0.300			0.240		0.54		

CLASS 3638		BALL OR ROLLER BEARING MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	71,270,096	3	278,630	11	177,047	137,438	140,985	734,100	1.03
1/18 through 12/18	78,017,416	1	24,122	11	172,385	19,368	224,444	440,319	0.57
1/19 through 12/19	77,730,620	3	271,474	7	104,952	293,025	73,823	743,274	0.96
1/20 through 12/20	67,732,954	0	0	11	377,133	0	277,280	654,413	0.97
1/21 through 12/21	72,403,993	0	0	20	342,910	0	329,976	672,886	0.93
5 YR. TOTAL	367,155,079	7	574,226	60	1,174,427	449,831	1,046,508	3,244,992	0.88
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		17%	0.476	26%	0.408			0.88	
Pure Premium Indicated by National Relativity		40%	0.324	37%	0.262			0.59	
Pure Premium Present on Rate Level		43%	0.386	37%	0.326			0.71	
Pure Premium Derived by Formula		0.377			0.324		0.70		

CLASS 3642		BATTERY MFG-DRY							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	41,124,757	2	95,507	5	160,172	171,678	156,120	583,477	1.42
1/18 through 12/18	35,577,770	0	0	1	45,167	0	32,306	77,473	0.22
1/19 through 12/19	37,953,933	0	0	2	73,801	0	68,131	141,932	0.37
1/20 through 12/20	38,367,948	1	5,634	3	21,496	1,360	57,121	85,611	0.22
1/21 through 12/21	39,112,538	0	0	8	103,553	0	116,900	220,453	0.56
5 YR. TOTAL	192,136,946	3	101,141	19	404,189	173,038	430,578	1,108,946	0.58
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		11%	0.263	18%	0.314			0.58	
Pure Premium Indicated by National Relativity		18%	0.299	19%	0.233			0.53	
Pure Premium Present on Rate Level		71%	0.325	63%	0.298			0.62	
Pure Premium Derived by Formula		0.314			0.289		0.60		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3643		ELECTRIC POWER OR TRANSMISSION EQUIPMENT MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	263,211,190	2	55,008	23	456,057	35,619	427,846	974,530	0.37
1/18 through 12/18	306,754,212	3	102,860	24	1,187,107	85,877	790,781	2,166,625	0.71
1/19 through 12/19	312,956,054	5	626,561	37	1,305,083	214,721	833,524	2,979,889	0.95
1/20 through 12/20	316,370,490	4	501,009	21	771,214	137,061	524,468	1,933,752	0.61
1/21 through 12/21	353,711,941	2	65,444	20	351,684	22,813	385,781	825,722	0.23
5 YR. TOTAL	1,553,003,887	16	1,350,882	125	4,071,145	496,091	2,962,400	8,880,518	0.57
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	0.349	50%	0.223	0.57			
Pure Premium Indicated by National Relativity		32%	0.430	25%	0.338	0.77			
Pure Premium Present on Rate Level		32%	0.408	25%	0.285	0.69			
Pure Premium Derived by Formula		0.394			0.267			0.66	

CLASS 3647		BATTERY MFG-STORAGE							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	25,515,033	0	0	3	106,049	0	44,301	150,350	0.59
1/18 through 12/18	27,958,076	1	7,733	3	28,756	0	8,262	44,751	0.16
1/19 through 12/19	37,243,345	1	11,586	6	345,288	3,644	171,448	531,966	1.43
1/20 through 12/20	35,188,978	0	0	2	7,250	0	17,346	24,596	0.07
1/21 through 12/21	40,331,841	0	0	4	74,100	0	108,813	182,913	0.45
5 YR. TOTAL	166,237,273	2	19,319	18	561,443	3,644	350,170	934,576	0.56
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	0.349	19%	0.213	0.56			
Pure Premium Indicated by National Relativity		43%	0.723	40%	0.493	1.22			
Pure Premium Present on Rate Level		44%	0.524	41%	0.383	0.91			
Pure Premium Derived by Formula		0.587			0.395			0.98	

CLASS 3648		AUTOMOTIVE LIGHTING, IGNITION OR STARTING APPARATUS MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	41,609,118	1	14,124	1	13,408	5,625	7,256	40,413	0.10
1/18 through 12/18	47,319,915	2	107,560	1	3,856	91,750	38,180	241,346	0.51
1/19 through 12/19	38,778,543	0	0	3	60,992	0	38,080	99,072	0.26
1/20 through 12/20	28,000,688	0	0	5	77,645	0	73,394	151,039	0.54
1/21 through 12/21	49,320,650	0	0	5	102,459	0	78,396	180,855	0.37
5 YR. TOTAL	205,028,914	3	121,684	15	258,360	97,375	235,306	712,725	0.35
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.185	16%	0.162	0.35			
Pure Premium Indicated by National Relativity		37%	0.182	40%	0.170	0.35			
Pure Premium Present on Rate Level		53%	0.249	44%	0.218	0.47			
Pure Premium Derived by Formula		0.218			0.190			0.41	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3681		TELEVISION, RADIO, TELEPHONE OR TELECOMMUNICATION DEVICE MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	265,800,012	3	101,056	28	284,253	44,244	304,209	733,762	0.28
1/18 through 12/18	291,927,374	5	290,679	34	481,016	178,911	502,937	1,453,543	0.50
1/19 through 12/19	279,392,608	2	510,797	16	327,536	288,653	182,098	1,309,084	0.47
1/20 through 12/20	284,176,278	5	257,438	19	499,471	112,826	471,428	1,341,163	0.47
1/21 through 12/21	361,692,380	1	9	16	106,965	781	168,336	276,091	0.08
5 YR. TOTAL	1,482,988,652	16	1,159,979	113	1,699,241	625,415	1,629,008	5,113,643	0.35
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		22%	0.193	35%	0.152			0.35	
Pure Premium Indicated by National Relativity		39%	0.115	32%	0.101			0.22	
Pure Premium Present on Rate Level		39%	0.153	33%	0.149			0.30	
Pure Premium Derived by Formula						0.147	0.135	0.28	

CLASS 3685		INSTRUMENT MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	219,908,177	4	548,005	18	211,614	219,264	173,645	1,152,528	0.52
1/18 through 12/18	239,024,368	5	126,055	12	234,230	63,695	178,147	602,127	0.25
1/19 through 12/19	280,577,495	4	236,172	15	284,002	70,182	213,824	804,180	0.29
1/20 through 12/20	284,106,686	2	54,123	22	969,179	19,303	672,273	1,714,878	0.60
1/21 through 12/21	277,211,073	3	203,433	18	654,937	73,756	649,496	1,581,622	0.57
5 YR. TOTAL	1,300,827,799	18	1,167,788	85	2,353,962	446,200	1,887,385	5,855,335	0.45
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		23%	0.271	34%	0.179			0.45	
Pure Premium Indicated by National Relativity		38%	0.164	33%	0.147			0.31	
Pure Premium Present on Rate Level		39%	0.193	33%	0.157			0.35	
Pure Premium Derived by Formula						0.200	0.161	0.36	

CLASS 3719		OIL STILL ERECTION OR REPAIR							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,373,616	0	0	0	0	0	0	0	0.00
1/18 through 12/18	22,734,193	0	0	0	0	0	0	0	0.00
1/19 through 12/19	29,806,777	0	0	1	221,911	0	82,278	304,189	1.02
1/20 through 12/20	6,681,322	0	0	1	1,227	0	1,141	2,368	0.04
1/21 through 12/21	11,258,381	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	80,854,289	0	0	2	223,138	0	83,419	306,557	0.38
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		6%	0.276	8%	0.103			0.38	
Pure Premium Indicated by National Relativity		35%	0.340	38%	0.171			0.51	
Pure Premium Present on Rate Level		59%	0.237	54%	0.134			0.37	
Pure Premium Derived by Formula						0.275	0.146	0.42	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3724		MACHINERY OR EQUIPMENT ERECTION OR REPAIR NOC & DRIVERS								
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	602,550,859	16	997,963	106	3,419,848	588,464	2,957,691	7,963,966	1.32	
1/18 through 12/18	713,191,990	22	2,970,656	107	4,452,311	1,608,331	3,340,651	12,371,949	1.74	
1/19 through 12/19	742,932,568	17	1,352,959	139	4,681,094	1,063,208	3,455,178	10,552,439	1.42	
1/20 through 12/20	757,946,960	22	1,574,131	114	6,338,125	1,225,445	5,223,478	14,361,179	1.90	
1/21 through 12/21	781,437,327	15	1,615,773	106	4,877,573	658,906	3,820,874	10,973,126	1.40	
5 YR. TOTAL	3,598,059,704	92	8,511,482	572	23,768,951	5,144,354	18,797,872	56,222,659	1.56	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		81%	0.897	100%	0.665	1.56				
Pure Premium Indicated by National Relativity		9%	0.936	0%	0.663	1.60				
Pure Premium Present on Rate Level		10%	0.866	0%	0.681	1.55				
Pure Premium Derived by Formula		0.897			0.665		1.56			

CLASS 3726		BOILER INSTALLATION OR REPAIR-STEAM								
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	27,773,056	1	287,142	4	196,494	243,546	143,842	871,024	3.14	
1/18 through 12/18	25,149,077	1	11,858	2	23,460	5,573	27,980	68,871	0.27	
1/19 through 12/19	29,353,463	2	64,576	5	72,232	33,911	58,303	229,022	0.78	
1/20 through 12/20	24,057,220	2	193,828	3	78,722	164,378	94,624	531,552	2.21	
1/21 through 12/21	26,299,082	0	0	4	47,102	0	61,247	108,349	0.41	
5 YR. TOTAL	132,631,898	6	557,404	18	418,010	447,408	385,996	1,808,818	1.36	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		16%	0.735	24%	0.628	1.36				
Pure Premium Indicated by National Relativity		40%	0.945	38%	0.669	1.61				
Pure Premium Present on Rate Level		44%	0.942	38%	0.767	1.71				
Pure Premium Derived by Formula		0.910			0.696		1.61			

CLASS 3803		AUTOMOBILE WHEEL MFG-METAL-NOT CAST								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00	
1/19 through 12/19	613,565	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	1,031,683	0	0	0	0	0	561	561	0.05	
1/21 through 12/21	976,322	0	0	1	213	0	1,724	1,937	0.20	
5 YR. TOTAL	2,621,570	0	0	1	213	0	2,285	2,498	0.10	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		2%	0.008	2%	0.087	0.10				
Pure Premium Indicated by National Relativity		20%	0.680	21%	0.573	1.25				
Pure Premium Present on Rate Level		78%	0.500	77%	0.387	0.89				
Pure Premium Derived by Formula		0.526			0.420		0.95			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3807		AUTOMOBILE RADIATOR MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	13,199,412	0	0	0	0	0	4,122	4,122	0.03
1/18 through 12/18	15,163,477	0	0	1	7,289	0	25,228	32,517	0.21
1/19 through 12/19	12,405,311	0	0	0	0	0	12,576	12,576	0.10
1/20 through 12/20	10,719,740	0	0	1	1,801	0	6,828	8,629	0.08
1/21 through 12/21	15,582,227	0	0	3	166,377	0	96,602	262,979	1.69
5 YR. TOTAL	67,070,167	0	0	5	175,467	0	145,356	320,823	0.48
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		7%	0.262	10%		0.217		0.48	
Pure Premium Indicated by National Relativity		30%	0.412	32%		0.278		0.69	
Pure Premium Present on Rate Level		63%	0.379	58%		0.265		0.64	
Pure Premium Derived by Formula		0.381			0.264		0.65		

CLASS 3808		AUTOMOBILE MFG OR ASSEMBLY							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	501,240,824	36	2,474,363	155	3,994,987	1,196,877	2,404,474	10,070,701	2.01
1/18 through 12/18	560,086,786	44	3,027,830	189	7,007,119	1,649,973	4,178,688	15,863,610	2.83
1/19 through 12/19	422,146,333	22	1,943,459	152	5,822,005	1,141,485	3,135,792	12,042,741	2.85
1/20 through 12/20	425,762,466	33	1,804,261	136	4,831,755	1,097,535	3,444,136	11,177,687	2.63
1/21 through 12/21	466,148,546	29	2,435,063	150	6,357,017	1,395,658	3,648,114	13,835,852	2.97
5 YR. TOTAL	2,375,384,955	164	11,684,976	782	28,012,883	6,481,528	16,811,204	62,990,591	2.65
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		82%	1.671	100%		0.981		2.65	
Pure Premium Indicated by National Relativity		9%	0.928	0%		0.545		1.47	
Pure Premium Present on Rate Level		9%	1.390	0%		0.903		2.29	
Pure Premium Derived by Formula		1.579			0.981		2.56		

CLASS 3821		AUTOMOBILE RECYCLING & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	23,955,057	2	56,064	16	150,243	20,101	161,157	387,565	1.62
1/18 through 12/18	25,058,779	2	209,452	10	209,683	115,970	293,948	829,053	3.31
1/19 through 12/19	24,810,738	1	100,962	12	139,814	12,280	126,112	379,168	1.53
1/20 through 12/20	25,973,274	5	207,776	10	142,227	234,515	105,553	690,071	2.66
1/21 through 12/21	29,974,272	2	127,659	12	153,284	72,878	170,254	524,075	1.75
5 YR. TOTAL	129,772,120	12	701,913	60	795,251	455,744	857,024	2,809,932	2.17
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		18%	1.154	28%		1.012		2.17	
Pure Premium Indicated by National Relativity		41%	1.277	36%		1.071		2.35	
Pure Premium Present on Rate Level		41%	1.153	36%		1.049		2.20	
Pure Premium Derived by Formula		1.204			1.047		2.25		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3822		AUTOMOBILE, BUS, TRUCK OR TRAILER BODY MFG: DIE-PRESSED STEEL								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	1,838,157	0	0	1	6,525	0	9,876	16,401	0.89	
1/18 through 12/18	1,198,493	0	0	2	51,276	0	85,490	136,766	11.41	
1/19 through 12/19	2,511,613	0	0	0	0	0	2,845	2,845	0.11	
1/20 through 12/20	4,355,209	0	0	5	195,267	0	97,384	292,651	6.72	
1/21 through 12/21	6,895,449	0	0	1	33,512	0	24,197	57,709	0.84	
5 YR. TOTAL	16,798,921	0	0	9	286,580	0	219,792	506,372	3.01	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		5%	1.706	9%	1.308	3.01				
Pure Premium Indicated by National Relativity		36%	0.770	39%	0.839	1.61				
Pure Premium Present on Rate Level		59%	0.735	52%	0.852	1.59				
Pure Premium Derived by Formula		0.796			0.888		1.68			

CLASS 3824		AUTOMOBILE, BUS, TRUCK OR TRAILER BODY MFG: NOC								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	68,541,138	3	234,175	30	620,274	124,927	484,532	1,463,908	2.14	
1/18 through 12/18	72,130,657	2	150,496	29	263,631	183,312	301,197	898,636	1.25	
1/19 through 12/19	69,995,591	2	217,619	21	437,808	215,393	474,637	1,345,457	1.92	
1/20 through 12/20	68,044,545	0	0	16	366,173	0	192,930	559,103	0.82	
1/21 through 12/21	79,199,939	5	562,802	21	577,170	138,979	424,539	1,703,490	2.15	
5 YR. TOTAL	357,911,870	12	1,165,092	117	2,265,056	662,611	1,877,835	5,970,594	1.67	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		23%	0.958	38%	0.710	1.67				
Pure Premium Indicated by National Relativity		38%	0.650	31%	0.614	1.26				
Pure Premium Present on Rate Level		39%	0.742	31%	0.728	1.47				
Pure Premium Derived by Formula		0.757			0.686		1.44			

CLASS 3826		AIRCRAFT ENGINE MFG								
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	106,796,773	0	0	4	28,033	0	35,172	63,205	0.06	
1/18 through 12/18	107,527,180	0	0	4	66,703	0	65,591	132,294	0.12	
1/19 through 12/19	108,438,465	0	0	1	168,588	0	115,686	284,274	0.26	
1/20 through 12/20	85,257,356	1	344,031	4	74,835	78,759	57,951	555,576	0.65	
1/21 through 12/21	79,817,716	0	0	7	336,918	0	112,589	449,507	0.56	
5 YR. TOTAL	487,837,490	1	344,031	20	675,077	78,759	386,989	1,484,856	0.30	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		13%	0.209	18%	0.095	0.30				
Pure Premium Indicated by National Relativity		39%	0.160	41%	0.119	0.28				
Pure Premium Present on Rate Level		48%	0.157	41%	0.116	0.27				
Pure Premium Derived by Formula		0.165			0.113		0.28			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3827		AUTOMOBILE ENGINE MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	62,731,796	0	0	7	64,456	0	39,102	103,558	0.17
1/18 through 12/18	62,978,876	0	0	15	162,039	0	147,721	309,760	0.49
1/19 through 12/19	55,882,360	2	57,696	9	122,687	33,399	104,038	317,820	0.57
1/20 through 12/20	45,496,201	0	0	5	345,805	0	110,396	456,201	1.00
1/21 through 12/21	55,008,823	2	143,474	6	95,878	66,082	64,106	369,540	0.67
5 YR. TOTAL	282,098,056	4	201,170	42	790,865	99,481	465,363	1,556,879	0.55
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		14%	0.352	21%	0.200			0.55	
Pure Premium Indicated by National Relativity		34%	0.411	36%	0.324			0.74	
Pure Premium Present on Rate Level		52%	0.361	43%	0.272			0.63	
Pure Premium Derived by Formula		0.377			0.276		0.65		

CLASS 3830		AIRPLANE MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	107,108,538	3	50,566	6	58,993	7,260	135,529	252,348	0.24
1/18 through 12/18	82,965,259	7	392,414	10	336,775	217,685	260,467	1,207,341	1.46
1/19 through 12/19	73,136,371	2	210,510	4	279,828	87,574	111,808	689,720	0.94
1/20 through 12/20	168,776,430	2	78,591	14	697,858	26,466	337,430	1,140,345	0.68
1/21 through 12/21	175,224,800	1	283,400	13	421,885	264,168	304,616	1,274,069	0.73
5 YR. TOTAL	607,211,398	15	1,015,481	47	1,795,339	603,153	1,149,850	4,563,823	0.75
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		20%	0.463	28%	0.289			0.75	
Pure Premium Indicated by National Relativity		40%	0.268	36%	0.199			0.47	
Pure Premium Present on Rate Level		40%	0.319	36%	0.237			0.56	
Pure Premium Derived by Formula		0.327			0.238		0.57		

CLASS 3851		MOTORCYCLE MFG OR ASSEMBLY							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	277,253	0	0	0	0	0	0	0	0.00
1/18 through 12/18	261,932	0	0	0	0	0	0	0	0.00
1/19 through 12/19	1,268,201	0	0	0	0	0	0	0	0.00
1/20 through 12/20	784,777	0	0	0	0	0	234	234	0.03
1/21 through 12/21	1,839,863	0	0	0	0	0	152	152	0.01
5 YR. TOTAL	4,432,026	0	0	0	0	0	386	386	0.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	0.000	3%	0.009			0.01	
Pure Premium Indicated by National Relativity		23%	0.320	24%	0.361			0.68	
Pure Premium Present on Rate Level		75%	0.375	73%	0.336			0.71	
Pure Premium Derived by Formula		0.355			0.332		0.69		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 3865		BABY CARRIAGE MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,261,053	0	0	1	10,260	0	17,563	27,823	1.23
1/18 through 12/18	2,507,432	0	0	0	0	0	115	115	0.01
1/19 through 12/19	2,990,102	0	0	0	0	0	790	790	0.03
1/20 through 12/20	4,409,592	0	0	0	0	0	1,127	1,127	0.03
1/21 through 12/21	4,978,791	0	0	1	3,816	0	10,944	14,760	0.30
5 YR. TOTAL	17,146,970	0	0	2	14,076	0	30,539	44,615	0.26
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.082	7%	0.178	0.26			
Pure Premium Indicated by National Relativity		21%	0.780	23%	0.435	1.22			
Pure Premium Present on Rate Level		75%	0.551	70%	0.511	1.06			
Pure Premium Derived by Formula		0.580			0.470			1.05	

CLASS 3881		CAR MFG-RAILROAD-& DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,225,664	0	0	2	1,881	0	11,989	13,870	0.14
1/18 through 12/18	7,320,691	1	20,470	1	733	0	4,008	25,211	0.35
1/19 through 12/19	6,644,340	1	103,443	4	42,324	0	73,076	218,843	3.29
1/20 through 12/20	4,458,482	0	0	0	0	0	4,480	4,480	0.10
1/21 through 12/21	4,664,233	1	72,662	0	0	24,413	378	97,453	2.09
5 YR. TOTAL	33,313,410	3	196,575	7	44,938	24,413	93,931	359,857	1.08
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.725	10%	0.355	1.08			
Pure Premium Indicated by National Relativity		40%	0.780	43%	0.584	1.36			
Pure Premium Present on Rate Level		53%	0.740	47%	0.576	1.32			
Pure Premium Derived by Formula		0.755			0.557			1.31	

CLASS 4000		SAND OR GRAVEL DIGGING & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	26,387,970	5	364,256	8	341,981	359,500	145,085	1,210,822	4.59
1/18 through 12/18	46,649,943	2	454,934	7	345,784	194,396	207,025	1,202,139	2.58
1/19 through 12/19	42,367,228	2	163,793	5	21,243	84,305	49,464	318,805	0.75
1/20 through 12/20	45,497,460	1	245,795	4	70,746	59,956	56,578	433,075	0.95
1/21 through 12/21	51,692,300	3	200,453	6	593,234	308,981	510,206	1,612,874	3.12
5 YR. TOTAL	212,594,901	13	1,429,231	30	1,372,988	1,007,138	968,358	4,777,715	2.25
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	1.318	32%	0.929	2.25			
Pure Premium Indicated by National Relativity		38%	1.461	34%	0.983	2.44			
Pure Premium Present on Rate Level		38%	1.252	34%	0.837	2.09			
Pure Premium Derived by Formula		1.347			0.916			2.26	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4021		BRICK OR CLAY PRODUCTS MFG. NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	36,021,904	1	163,590	10	164,006	65,177	131,831	524,604	1.46
1/18 through 12/18	36,718,226	0	0	8	119,800	0	94,544	214,344	0.58
1/19 through 12/19	33,694,963	2	23,663	11	206,662	38,749	163,623	432,697	1.29
1/20 through 12/20	35,114,542	0	0	11	299,985	0	179,291	479,276	1.37
1/21 through 12/21	35,419,110	0	0	8	143,936	0	101,289	245,225	0.69
5 YR. TOTAL	176,968,745	3	187,253	48	934,389	103,926	670,578	1,896,146	1.07
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		17%	0.634	25%	0.438			1.07	
Pure Premium Indicated by National Relativity		30%	0.772	32%	0.704			1.48	
Pure Premium Present on Rate Level		53%	0.771	43%	0.633			1.40	
Pure Premium Derived by Formula		0.748			0.607		1.36		

CLASS 4024		REFRACTORY PRODUCTS MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	6,385,297	0	0	2	112,348	0	65,939	178,287	2.79
1/18 through 12/18	7,627,411	0	0	1	1,120	0	38,890	40,010	0.53
1/19 through 12/19	6,551,751	0	0	2	16,580	0	51,197	67,777	1.03
1/20 through 12/20	2,729,259	0	0	0	0	0	1,075	1,075	0.04
1/21 through 12/21	5,433,116	1	14,545	2	26,709	16,803	5,756	63,813	1.17
5 YR. TOTAL	28,726,834	1	14,545	7	156,757	16,803	162,857	350,962	1.22
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		7%	0.596	10%	0.625			1.22	
Pure Premium Indicated by National Relativity		19%	0.722	20%	0.490			1.21	
Pure Premium Present on Rate Level		74%	0.735	70%	0.620			1.36	
Pure Premium Derived by Formula		0.723			0.595		1.32		

CLASS 4034		CONCRETE PRODUCTS MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	94,043,029	7	428,054	32	557,560	289,895	506,113	1,781,622	1.89
1/18 through 12/18	89,727,799	4	158,683	37	979,726	106,161	852,484	2,097,054	2.34
1/19 through 12/19	92,623,106	2	300,366	42	1,232,308	215,436	1,225,909	2,974,019	3.21
1/20 through 12/20	81,818,469	3	61,575	37	1,570,715	66,726	1,649,560	3,348,576	4.09
1/21 through 12/21	91,628,114	10	1,185,923	30	862,154	836,319	716,836	3,601,232	3.93
5 YR. TOTAL	449,840,517	26	2,134,601	178	5,202,463	1,514,537	4,950,902	13,802,503	3.07
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		35%	1.631	56%	1.437			3.07	
Pure Premium Indicated by National Relativity		32%	1.368	22%	1.150			2.52	
Pure Premium Present on Rate Level		33%	1.327	22%	1.255			2.58	
Pure Premium Derived by Formula		1.447			1.334		2.78		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4036		PLASTER BOARD OR PLASTER BLOCK MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	19,867,215	0	0	4	117,651	0	90,760	208,411	1.05
1/18 through 12/18	24,609,528	0	0	1	23,001	0	12,801	35,802	0.15
1/19 through 12/19	28,521,795	1	44,991	4	226,442	0	127,123	398,556	1.40
1/20 through 12/20	27,991,674	0	0	5	256,951	0	116,127	373,078	1.33
1/21 through 12/21	29,584,058	0	0	1	17,887	0	41,750	59,637	0.20
5 YR. TOTAL	130,574,270	1	44,991	15	641,932	0	388,561	1,075,484	0.82
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		11%	0.526	17%		0.298		0.82	
Pure Premium Indicated by National Relativity		34%	0.416	36%		0.399		0.82	
Pure Premium Present on Rate Level		55%	0.491	47%		0.406		0.90	
Pure Premium Derived by Formula		0.469			0.385		0.85		

CLASS 4038		PLASTER STATUARY OR ORNAMENT MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	945,227	0	0	0	0	0	0	0	0.00
1/18 through 12/18	876,432	0	0	0	0	0	0	0	0.00
1/19 through 12/19	728,762	0	0	0	0	0	0	0	0.00
1/20 through 12/20	923,580	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,133,560	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	4,607,561	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	0.000	3%		0.000		0.00	
Pure Premium Indicated by National Relativity		10%	0.454	11%		0.461		0.92	
Pure Premium Present on Rate Level		88%	0.565	86%		0.459		1.02	
Pure Premium Derived by Formula		0.543			0.445		0.99		

CLASS 4062		POTTERY MFG: PORCELAIN WARE-MECHANICAL PRESS FORMING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	91,662,597	2	66,590	15	926,828	17,114	562,669	1,573,201	1.72
1/18 through 12/18	94,454,742	3	370,767	8	206,723	306,221	192,781	1,076,492	1.14
1/19 through 12/19	66,248,088	1	12,877	9	136,350	31,958	137,688	318,873	0.48
1/20 through 12/20	50,077,491	2	40,357	13	166,382	39,610	244,597	490,946	0.98
1/21 through 12/21	64,275,290	0	0	7	285,483	0	236,716	522,199	0.81
5 YR. TOTAL	366,718,208	8	490,591	52	1,721,766	394,903	1,374,451	3,981,711	1.09
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		21%	0.603	31%		0.482		1.09	
Pure Premium Indicated by National Relativity		26%	0.340	28%		0.329		0.67	
Pure Premium Present on Rate Level		53%	0.557	41%		0.467		1.02	
Pure Premium Derived by Formula		0.510			0.433		0.94		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4101		GLASS MFG-& DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	97,787,039	0	0	19	266,064	0	250,614	516,678	0.53
1/18 through 12/18	85,415,857	6	545,156	28	145,750	255,870	236,026	1,182,802	1.39
1/19 through 12/19	86,592,879	0	0	27	611,671	0	569,141	1,180,812	1.36
1/20 through 12/20	74,450,217	1	101,904	14	225,620	91,108	465,707	884,339	1.19
1/21 through 12/21	96,694,385	1	10,208	15	326,310	17,665	284,407	638,590	0.66
5 YR. TOTAL	440,940,377	8	657,268	103	1,575,415	364,643	1,805,895	4,403,221	1.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	0.506	33%	0.492	1.00			
Pure Premium Indicated by National Relativity		38%	0.584	33%	0.554	1.14			
Pure Premium Present on Rate Level		41%	0.504	34%	0.441	0.95			
Pure Premium Derived by Formula		0.535			0.495		1.03		

CLASS 4109		INTEGRATED CIRCUIT MFG.							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	263,236,084	2	8,569	7	19,257	24,314	83,419	135,559	0.05
1/18 through 12/18	300,518,219	1	8,910	5	78,227	0	99,215	186,352	0.06
1/19 through 12/19	337,839,937	2	147,674	10	414,682	118,659	384,552	1,065,567	0.32
1/20 through 12/20	349,119,171	1	43,593	12	617,146	33,305	388,180	1,082,224	0.31
1/21 through 12/21	401,379,723	3	245,197	7	214,899	141,897	167,850	769,843	0.19
5 YR. TOTAL	1,652,093,134	9	453,943	41	1,344,211	318,175	1,123,216	3,239,545	0.20
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.109	30%	0.087	0.20			
Pure Premium Indicated by National Relativity		26%	0.129	28%	0.081	0.21			
Pure Premium Present on Rate Level		56%	0.095	42%	0.099	0.19			
Pure Premium Derived by Formula		0.106			0.090		0.20		

CLASS 4110		ELECTRIC BULB MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	65,905,799	0	0	2	20,740	0	22,254	42,994	0.07
1/18 through 12/18	57,905,298	1	61,485	1	1,565	48,575	7,322	118,947	0.21
1/19 through 12/19	58,872,234	0	0	3	37,804	0	19,439	57,243	0.10
1/20 through 12/20	60,007,671	0	0	0	0	0	9,415	9,415	0.02
1/21 through 12/21	77,914,388	0	0	2	9,550	0	13,290	22,840	0.03
5 YR. TOTAL	320,605,390	1	61,485	8	69,659	48,575	71,720	251,439	0.08
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.041	15%	0.038	0.08			
Pure Premium Indicated by National Relativity		15%	0.271	16%	0.135	0.41			
Pure Premium Present on Rate Level		74%	0.178	69%	0.125	0.30			
Pure Premium Derived by Formula		0.177			0.114		0.29		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4111		GLASSWARE MFG-NO AUTOMATIC BLOWING MACHINES							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	100,160,166	4	326,644	7	81,405	112,151	91,185	611,385	0.61
1/18 through 12/18	92,664,735	1	23,234	13	217,033	28,652	225,144	494,063	0.53
1/19 through 12/19	95,383,748	2	371,928	14	163,363	134,561	230,905	900,757	0.94
1/20 through 12/20	93,530,722	1	75,074	12	542,270	37,067	388,172	1,042,583	1.12
1/21 through 12/21	105,142,439	4	153,694	17	486,838	81,315	212,123	933,970	0.89
5 YR. TOTAL	486,881,810	12	950,574	63	1,490,909	393,746	1,147,529	3,982,758	0.82
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	0.501	29%	0.317	0.82			
Pure Premium Indicated by National Relativity		23%	0.717	25%	0.352	1.07			
Pure Premium Present on Rate Level		55%	0.476	46%	0.314	0.79			
Pure Premium Derived by Formula		0.537			0.324		0.86		

CLASS 4114		GLASSWARE MFG NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	59,083,136	0	0	11	251,667	0	118,888	370,555	0.63
1/18 through 12/18	69,683,357	2	154,802	22	504,147	73,455	268,451	1,000,855	1.44
1/19 through 12/19	67,500,425	2	94,782	15	409,703	74,960	215,073	794,518	1.18
1/20 through 12/20	71,753,016	0	0	15	220,082	0	223,803	443,885	0.62
1/21 through 12/21	81,151,448	2	19,233	11	663,636	18,091	576,486	1,277,446	1.57
5 YR. TOTAL	349,171,382	6	268,817	74	2,049,235	166,506	1,402,701	3,887,259	1.11
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	0.664	29%	0.449	1.11			
Pure Premium Indicated by National Relativity		30%	0.605	33%	0.470	1.08			
Pure Premium Present on Rate Level		48%	0.688	38%	0.424	1.11			
Pure Premium Derived by Formula		0.658			0.446		1.10		

CLASS 4130		GLASS MERCHANT							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	31,204,337	1	8,790	7	224,373	0	214,167	447,330	1.43
1/18 through 12/18	32,397,555	0	0	7	134,795	0	124,452	259,247	0.80
1/19 through 12/19	40,811,692	3	100,222	6	183,811	138,300	162,259	584,592	1.43
1/20 through 12/20	41,636,919	2	67,753	7	34,842	34,638	62,827	200,060	0.48
1/21 through 12/21	50,395,085	3	234,914	11	323,351	187,901	209,719	955,885	1.90
5 YR. TOTAL	196,445,588	9	411,679	38	901,172	360,839	773,424	2,447,114	1.25
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	0.668	25%	0.577	1.25			
Pure Premium Indicated by National Relativity		42%	0.802	37%	0.601	1.40			
Pure Premium Present on Rate Level		42%	0.664	38%	0.574	1.24			
Pure Premium Derived by Formula		0.723			0.585		1.31		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4131		MIRROR MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	6,897,058	0	0	6	196,202	0	293,516	489,718	7.10
1/18 through 12/18	7,340,114	1	16,082	5	231,125	33,592	127,726	408,525	5.57
1/19 through 12/19	6,881,561	0	0	6	279,676	0	161,233	440,909	6.41
1/20 through 12/20	7,394,472	0	0	3	90,511	0	65,810	156,321	2.11
1/21 through 12/21	8,562,703	0	0	6	181,620	0	195,871	377,491	4.41
5 YR. TOTAL	37,075,908	1	16,082	26	979,134	33,592	844,156	1,872,964	5.05
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	2.684	18%	2.367		5.05		
Pure Premium Indicated by National Relativity		15%	1.292	16%	0.978		2.27		
Pure Premium Present on Rate Level		75%	1.325	66%	1.566		2.89		
Pure Premium Derived by Formula		1.456			1.616		3.07		

CLASS 4133		CATHEDRAL OR ART GLASS WINDOW MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,432,928	0	0	1	3,831	0	6,927	10,758	0.75
1/18 through 12/18	1,060,612	0	0	1	3,702	0	1,825	5,527	0.52
1/19 through 12/19	1,128,287	0	0	0	0	0	0	0	0.00
1/20 through 12/20	935,937	0	0	0	0	0	1,271	1,271	0.14
1/21 through 12/21	1,092,930	0	0	0	0	0	679	679	0.06
5 YR. TOTAL	5,650,694	0	0	2	7,533	0	10,702	18,235	0.32
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.133	4%	0.189		0.32		
Pure Premium Indicated by National Relativity		11%	0.885	12%	0.872		1.76		
Pure Premium Present on Rate Level		87%	0.409	84%	0.505		0.91		
Pure Premium Derived by Formula		0.456			0.536		0.99		

CLASS 4149		OPTICAL GOODS MFG. NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	34,629,411	0	0	2	17,744	0	16,607	34,351	0.10
1/18 through 12/18	27,475,861	0	0	1	8,921	0	7,509	16,430	0.06
1/19 through 12/19	32,735,207	1	111,565	1	840	79,859	21,290	213,554	0.65
1/20 through 12/20	33,605,152	0	0	4	74,598	0	67,025	141,623	0.42
1/21 through 12/21	36,670,043	0	0	3	77,027	0	39,496	116,523	0.32
5 YR. TOTAL	165,115,674	1	111,565	11	179,130	79,859	151,927	522,481	0.32
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.176	11%	0.140		0.32		
Pure Premium Indicated by National Relativity		31%	0.152	33%	0.132		0.28		
Pure Premium Present on Rate Level		62%	0.162	56%	0.140		0.30		
Pure Premium Derived by Formula		0.160			0.137		0.30		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4206		PULP MFG-GROUND WOOD PROCESS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	5,838,863	0	0	2	10,776	0	7,547	18,323	0.31
1/18 through 12/18	14,425,951	0	0	0	0	0	5,201	5,201	0.04
1/19 through 12/19	9,147,762	0	0	1	32,393	0	37,480	69,873	0.76
1/20 through 12/20	15,905,559	0	0	1	1,339	0	41,166	42,505	0.27
1/21 through 12/21	31,496,421	2	115,659	3	22,349	42,489	17,461	197,958	0.63
5 YR. TOTAL	76,814,556	2	115,659	7	66,857	42,489	108,855	333,860	0.44
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	0.238	14%	0.197	0.44			
Pure Premium Indicated by National Relativity		16%	0.562	17%	0.404	0.97			
Pure Premium Present on Rate Level		75%	0.533	69%	0.470	1.00			
Pure Premium Derived by Formula		0.511			0.421		0.93		

CLASS 4207		PULP MFG-CHEMICAL PROCESS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	65,377,160	0	0	8	189,360	0	135,110	324,470	0.50
1/18 through 12/18	35,897,437	0	0	2	18,862	0	4,954	23,816	0.07
1/19 through 12/19	44,824,705	0	0	2	156,484	0	196,768	353,252	0.79
1/20 through 12/20	35,426,398	0	0	2	62,647	0	38,880	101,527	0.29
1/21 through 12/21	21,709,567	0	0	3	104,652	0	69,882	174,534	0.80
5 YR. TOTAL	203,235,267	0	0	17	532,005	0	445,594	977,599	0.48
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.262	18%	0.219	0.48			
Pure Premium Indicated by National Relativity		25%	0.599	27%	0.420	1.02			
Pure Premium Present on Rate Level		61%	0.501	55%	0.280	0.78			
Pure Premium Derived by Formula		0.492			0.307		0.80		

CLASS 4239		PAPER MFG							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	172,423,045	6	167,297	21	388,648	419,170	315,342	1,290,457	0.75
1/18 through 12/18	227,219,306	2	279,949	30	1,408,966	114,706	794,100	2,597,721	1.14
1/19 through 12/19	250,032,572	4	255,180	23	504,937	90,840	595,194	1,446,151	0.58
1/20 through 12/20	271,832,447	4	358,183	34	1,914,451	229,758	1,414,194	3,916,586	1.44
1/21 through 12/21	242,135,167	8	622,540	34	1,049,948	1,932,491	915,381	4,520,360	1.87
5 YR. TOTAL	1,163,642,537	24	1,683,149	142	5,266,950	2,786,965	4,034,211	13,771,275	1.18
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	0.597	52%	0.586	1.18			
Pure Premium Indicated by National Relativity		32%	0.518	24%	0.363	0.88			
Pure Premium Present on Rate Level		32%	0.530	24%	0.425	0.96			
Pure Premium Derived by Formula		0.550			0.494		1.04		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4240		BOX MFG-SET-UP PAPER							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,154,653	0	0	2	8,072	0	14,529	22,601	1.05
1/18 through 12/18	2,140,119	0	0	1	704	0	4,477	5,181	0.24
1/19 through 12/19	1,727,348	0	0	2	7,511	0	5,922	13,433	0.78
1/20 through 12/20	1,325,240	0	0	0	0	0	1,312	1,312	0.10
1/21 through 12/21	2,147,415	0	0	0	0	0	1,709	1,709	0.08
5 YR. TOTAL	9,494,775	0	0	5	16,287	0	27,949	44,236	0.47
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.172	5%		0.294		0.47	
Pure Premium Indicated by National Relativity		18%	0.423	20%		0.367		0.79	
Pure Premium Present on Rate Level		79%	0.500	75%		0.571		1.07	
Pure Premium Derived by Formula		0.476			0.516		0.99		

CLASS 4243		BOX MFG-FOLDING PAPER-NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	201,958,705	2	209,346	26	425,582	30,432	344,777	1,010,137	0.50
1/18 through 12/18	219,658,603	3	63,581	35	820,047	19,661	552,254	1,455,543	0.66
1/19 through 12/19	230,335,316	3	220,161	33	989,126	331,767	499,822	2,040,876	0.89
1/20 through 12/20	249,432,115	0	0	39	1,014,353	0	1,062,248	2,076,601	0.83
1/21 through 12/21	269,859,178	8	503,399	37	832,163	190,874	1,035,323	2,561,759	0.95
5 YR. TOTAL	1,171,243,917	16	996,487	170	4,081,271	572,734	3,494,424	9,144,916	0.78
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		31%	0.434	46%		0.347		0.78	
Pure Premium Indicated by National Relativity		34%	0.484	27%		0.411		0.90	
Pure Premium Present on Rate Level		35%	0.409	27%		0.331		0.74	
Pure Premium Derived by Formula		0.442			0.360		0.80		

CLASS 4244		CORRUGATED OR FIBER BOARD CONTAINER MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	203,871,679	2	39,746	31	654,212	18,812	608,148	1,320,918	0.65
1/18 through 12/18	208,155,871	4	242,483	26	1,147,945	196,580	585,275	2,172,283	1.04
1/19 through 12/19	204,224,885	3	265,462	24	537,008	112,248	351,078	1,265,796	0.62
1/20 through 12/20	217,643,021	0	0	32	935,418	0	608,926	1,544,344	0.71
1/21 through 12/21	242,335,509	4	174,985	30	1,608,222	183,337	1,223,794	3,190,338	1.32
5 YR. TOTAL	1,076,230,965	13	722,676	143	4,882,805	510,977	3,377,221	9,493,679	0.88
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		32%	0.521	48%		0.361		0.88	
Pure Premium Indicated by National Relativity		34%	0.539	26%		0.484		1.02	
Pure Premium Present on Rate Level		34%	0.469	26%		0.388		0.86	
Pure Premium Derived by Formula		0.509			0.400		0.91		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4250		PAPER COATING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	101,356,247	1	20,480	14	205,222	26,294	123,745	375,741	0.37
1/18 through 12/18	108,918,727	2	156,181	22	328,690	64,833	314,722	864,426	0.79
1/19 through 12/19	128,778,797	1	172,411	11	584,140	101,911	324,917	1,183,379	0.92
1/20 through 12/20	126,793,799	0	0	14	190,754	0	286,968	477,722	0.38
1/21 through 12/21	143,023,611	4	378,663	13	313,991	132,058	415,912	1,240,624	0.87
5 YR. TOTAL	608,871,181	8	727,735	74	1,622,797	325,096	1,466,264	4,141,892	0.68
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	0.386	32%	0.294	0.68			
Pure Premium Indicated by National Relativity		39%	0.432	34%	0.364	0.80			
Pure Premium Present on Rate Level		39%	0.403	34%	0.309	0.71			
Pure Premium Derived by Formula		0.411			0.323			0.73	

CLASS 4251		STATIONERY MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	19,927,827	0	0	8	66,308	0	61,771	128,079	0.64
1/18 through 12/18	21,092,291	0	0	7	54,116	0	111,254	165,370	0.78
1/19 through 12/19	21,812,672	0	0	6	59,068	0	83,103	142,171	0.65
1/20 through 12/20	21,658,694	1	11,604	3	52,296	13,191	95,979	173,070	0.80
1/21 through 12/21	22,814,784	2	18,109	8	100,596	8,079	120,217	247,001	1.08
5 YR. TOTAL	107,306,268	3	29,713	32	332,384	21,270	472,324	855,691	0.80
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	0.337	18%	0.460	0.80			
Pure Premium Indicated by National Relativity		28%	0.623	29%	0.523	1.15			
Pure Premium Present on Rate Level		60%	0.648	53%	0.551	1.20			
Pure Premium Derived by Formula		0.604			0.527			1.13	

CLASS 4263		FIBER GOODS MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	38,924,660	0	0	6	74,072	0	39,454	113,526	0.29
1/18 through 12/18	38,214,565	2	110,083	8	610,227	104,611	159,880	984,801	2.58
1/19 through 12/19	41,804,599	2	67,935	3	52,095	79,833	33,834	233,697	0.56
1/20 through 12/20	47,985,086	0	0	4	258,661	0	148,427	407,088	0.85
1/21 through 12/21	52,551,863	1	17,011	10	266,111	15,035	252,888	551,045	1.05
5 YR. TOTAL	219,480,773	5	195,029	31	1,261,166	199,479	634,483	2,290,157	1.04
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.663	25%	0.380	1.04			
Pure Premium Indicated by National Relativity		25%	1.031	27%	0.804	1.84			
Pure Premium Present on Rate Level		57%	0.705	48%	0.533	1.24			
Pure Premium Derived by Formula		0.779			0.568			1.35	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4273		BAG MFG. - PLASTIC OR PAPER							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	35,512,370	1	76,772	12	246,264	105,691	133,886	562,613	1.59
1/18 through 12/18	46,047,013	0	0	7	50,457	0	86,815	137,272	0.30
1/19 through 12/19	55,724,256	0	0	13	430,771	0	281,027	711,798	1.28
1/20 through 12/20	51,723,571	1	8,794	10	295,742	45,204	353,711	703,451	1.36
1/21 through 12/21	52,914,314	0	0	5	112,588	0	147,341	259,929	0.49
5 YR. TOTAL	241,921,524	2	85,566	47	1,135,822	150,895	1,002,780	2,375,063	0.98
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	0.505	26%	0.477	0.98			
Pure Premium Indicated by National Relativity		42%	0.479	37%	0.392	0.87			
Pure Premium Present on Rate Level		42%	0.514	37%	0.499	1.01			
Pure Premium Derived by Formula		0.498			0.454			0.95	

CLASS 4279		PAPER GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	145,521,993	5	125,801	23	299,024	64,201	285,651	774,677	0.53
1/18 through 12/18	151,081,295	1	15,247	43	862,133	20,275	967,875	1,865,530	1.24
1/19 through 12/19	153,455,293	4	368,926	30	1,178,779	325,876	951,646	2,825,227	1.84
1/20 through 12/20	146,165,000	7	428,236	33	748,026	451,858	527,145	2,155,265	1.48
1/21 through 12/21	208,136,694	7	415,957	43	1,023,010	198,651	1,039,731	2,677,349	1.29
5 YR. TOTAL	804,360,275	24	1,354,167	172	4,110,972	1,060,861	3,772,048	10,298,048	1.28
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		32%	0.679	48%	0.601	1.28			
Pure Premium Indicated by National Relativity		34%	0.637	26%	0.513	1.15			
Pure Premium Present on Rate Level		34%	0.635	26%	0.515	1.15			
Pure Premium Derived by Formula		0.650			0.556			1.21	

CLASS 4283		BUILDING OR ROOFING PAPER OR FELT PREPARATION-NO INSTALLATION							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,877,984	0	0	0	0	0	0	0	0.00
1/18 through 12/18	1,554,834	0	0	0	0	0	6,263	6,263	0.40
1/19 through 12/19	1,471,603	0	0	1	1,247	0	2,334	3,581	0.24
1/20 through 12/20	2,065,900	0	0	0	0	0	0	0	0.00
1/21 through 12/21	2,859,400	0	0	0	0	0	5,290	5,290	0.19
5 YR. TOTAL	9,829,721	0	0	1	1,247	0	13,887	15,134	0.15
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.013	4%	0.141	0.15			
Pure Premium Indicated by National Relativity		22%	0.464	24%	0.381	0.85			
Pure Premium Present on Rate Level		75%	0.422	72%	0.357	0.78			
Pure Premium Derived by Formula		0.419			0.354			0.77	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4299		PRINTING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	344,812,727	5	157,867	45	912,416	141,814	847,280	2,059,377	0.60
1/18 through 12/18	346,960,132	5	335,262	52	1,074,884	295,939	868,064	2,574,149	0.74
1/19 through 12/19	366,396,343	6	185,846	30	606,010	153,205	568,924	1,513,985	0.41
1/20 through 12/20	404,164,665	10	753,689	54	1,182,373	610,375	988,837	3,535,274	0.88
1/21 through 12/21	463,356,225	11	847,892	62	1,601,675	532,078	1,436,752	4,418,397	0.95
5 YR. TOTAL	1,925,690,092	37	2,280,556	243	5,377,358	1,733,411	4,709,857	14,101,182	0.73
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	0.398	59%	0.335	0.73			
Pure Premium Indicated by National Relativity		31%	0.394	20%	0.366	0.76			
Pure Premium Present on Rate Level		31%	0.363	21%	0.328	0.69			
Pure Premium Derived by Formula		0.386			0.340			0.73	

CLASS 4304		NEWSPAPER PUBLISHING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	18,004,419	1	87,623	6	34,287	88,801	45,687	256,398	1.42
1/18 through 12/18	16,107,449	2	25,632	8	46,193	22,489	76,957	171,271	1.06
1/19 through 12/19	14,454,792	0	0	5	178,026	0	171,972	349,998	2.42
1/20 through 12/20	11,248,898	1	95,563	3	55,304	40,385	28,700	219,952	1.96
1/21 through 12/21	12,828,521	0	0	2	51,214	0	58,184	109,398	0.85
5 YR. TOTAL	72,644,079	4	208,818	24	365,024	151,675	381,500	1,107,017	1.52
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	0.790	19%	0.734	1.52			
Pure Premium Indicated by National Relativity		44%	1.027	40%	0.826	1.85			
Pure Premium Present on Rate Level		44%	1.015	41%	0.875	1.89			
Pure Premium Derived by Formula		0.993			0.829			1.82	

CLASS 4307		BOOKBINDING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	3,568,378	0	0	0	0	0	7,139	7,139	0.20
1/18 through 12/18	11,270,008	0	0	4	51,066	0	34,182	85,248	0.76
1/19 through 12/19	12,767,832	0	0	0	0	0	8,100	8,100	0.06
1/20 through 12/20	5,623,667	0	0	6	31,044	0	12,888	43,932	0.78
1/21 through 12/21	4,403,792	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	37,633,677	0	0	10	82,110	0	62,309	144,419	0.38
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.218	8%	0.166	0.38			
Pure Premium Indicated by National Relativity		23%	0.397	25%	0.398	0.80			
Pure Premium Present on Rate Level		72%	0.284	67%	0.291	0.58			
Pure Premium Derived by Formula		0.307			0.308			0.62	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4351		PHOTOENGRAVING								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	2,337,058	0	0	0	0	0	3,435	3,435	0.15	
1/18 through 12/18	1,962,572	0	0	0	0	0	2,306	2,306	0.12	
1/19 through 12/19	1,981,215	0	0	0	0	0	326	326	0.02	
1/20 through 12/20	1,941,288	0	0	0	0	0	424	424	0.02	
1/21 through 12/21	1,820,856	0	0	0	0	0	979	979	0.05	
5 YR. TOTAL	10,042,989	0	0	0	0	0	7,470	7,470	0.07	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		3%	0.000	4%	0.074	0.07				
Pure Premium Indicated by National Relativity		9%	0.275	9%	0.169	0.44				
Pure Premium Present on Rate Level		88%	0.387	87%	0.238	0.63				
Pure Premium Derived by Formula		0.365			0.225		0.59			

CLASS 4352		ENGRAVING								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	5,918,917	0	0	1	34,086	0	19,668	53,754	0.91	
1/18 through 12/18	5,807,833	0	0	1	3,974	0	2,035	6,009	0.10	
1/19 through 12/19	6,096,269	0	0	0	0	0	286	286	0.01	
1/20 through 12/20	4,965,013	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	3,293,471	0	0	0	0	0	279	279	0.01	
5 YR. TOTAL	26,081,503	0	0	2	38,060	0	22,268	60,328	0.23	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		4%	0.146	6%	0.085	0.23				
Pure Premium Indicated by National Relativity		12%	0.202	13%	0.255	0.46				
Pure Premium Present on Rate Level		84%	0.299	81%	0.276	0.58				
Pure Premium Derived by Formula		0.281			0.262		0.54			

CLASS 4361		PHOTOGRAPHER-ALL EMPLOYEES & CLERICAL, SALESPERSONS, DRIVERS								
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	59,607,191	1	39,122	3	19,163	30,373	22,430	111,088	0.19	
1/18 through 12/18	61,702,302	2	7,502	4	21,004	3,363	27,050	58,919	0.10	
1/19 through 12/19	54,316,005	0	0	5	226,361	0	59,897	286,258	0.53	
1/20 through 12/20	56,893,704	0	0	4	33,898	0	27,196	61,094	0.11	
1/21 through 12/21	66,225,074	0	0	8	55,389	0	122,314	177,703	0.27	
5 YR. TOTAL	298,744,276	3	46,624	24	355,815	33,736	258,887	695,062	0.23	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		11%	0.135	16%	0.098	0.23				
Pure Premium Indicated by National Relativity		35%	0.171	37%	0.151	0.32				
Pure Premium Present on Rate Level		54%	0.172	47%	0.151	0.32				
Pure Premium Derived by Formula		0.168			0.143		0.31			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4410		RUBBER GOODS MFG NOC								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	154,028,329	2	276,830	33	354,119	161,347	402,934	1,195,230	0.78	
1/18 through 12/18	156,924,800	7	271,597	39	1,141,242	295,053	752,075	2,459,967	1.57	
1/19 through 12/19	135,167,593	4	77,732	37	914,800	46,897	627,855	1,667,284	1.23	
1/20 through 12/20	167,109,639	6	233,217	32	1,084,711	120,197	571,642	2,009,767	1.20	
1/21 through 12/21	190,195,753	4	384,992	27	781,432	302,217	574,997	2,043,638	1.07	
5 YR. TOTAL	803,426,114	23	1,244,368	168	4,276,304	925,711	2,929,503	9,375,886	1.17	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		33%	0.687	48%	0.480	1.17				
Pure Premium Indicated by National Relativity		33%	0.587	26%	0.494	1.08				
Pure Premium Present on Rate Level		34%	0.646	26%	0.514	1.16				
Pure Premium Derived by Formula		0.640			0.492		1.13			

CLASS 4420		RUBBER TIRE MFG								
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	298,555,902	5	427,089	82	1,838,740	203,935	1,250,482	3,720,246	1.25	
1/18 through 12/18	319,878,337	9	659,554	66	2,517,555	237,795	1,558,388	4,973,292	1.56	
1/19 through 12/19	282,253,213	6	798,194	63	2,890,857	393,941	1,561,106	5,644,098	2.00	
1/20 through 12/20	279,294,871	6	269,003	40	1,240,882	103,999	795,010	2,408,894	0.86	
1/21 through 12/21	318,426,077	8	438,141	64	2,007,786	240,247	1,593,409	4,279,583	1.34	
5 YR. TOTAL	1,498,408,400	34	2,591,981	315	10,495,820	1,179,917	6,758,395	21,026,113	1.40	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		50%	0.873	68%	0.530	1.40				
Pure Premium Indicated by National Relativity		25%	0.649	16%	0.462	1.11				
Pure Premium Present on Rate Level		25%	0.820	16%	0.555	1.38				
Pure Premium Derived by Formula		0.804			0.523		1.33			

CLASS 4431		MAGNETIC AND OPTICAL RECORDING MEDIA MFG.								
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	5,980,730	0	0	0	0	0	589	589	0.01	
1/18 through 12/18	4,344,624	0	0	0	0	0	7,205	7,205	0.17	
1/19 through 12/19	1,549,197	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	407,779	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	1,116,933	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	13,399,263	0	0	0	0	0	7,794	7,794	0.06	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		3%	0.000	4%	0.058	0.06				
Pure Premium Indicated by National Relativity		11%	0.134	12%	0.159	0.29				
Pure Premium Present on Rate Level		86%	0.271	84%	0.245	0.52				
Pure Premium Derived by Formula		0.248			0.227		0.48			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4432		PEN MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	7,433,898	0	0	2	19,934	0	16,786	36,720	0.49
1/18 through 12/18	7,038,272	0	0	0	0	0	2,526	2,526	0.04
1/19 through 12/19	7,930,935	0	0	1	16,639	0	26,009	42,648	0.54
1/20 through 12/20	878,742	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,253,768	0	0	0	0	0	763	763	0.06
5 YR. TOTAL	24,535,615	0	0	3	36,573	0	46,084	82,657	0.34
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.149	5%	0.188			0.34	
Pure Premium Indicated by National Relativity		14%	0.503	15%	0.327			0.83	
Pure Premium Present on Rate Level		83%	0.211	80%	0.217			0.43	
Pure Premium Derived by Formula		0.250			0.232		0.48		

CLASS 4452		PLASTICS MFG: FABRICATED PRODUCTS NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	153,200,463	4	190,836	35	545,839	74,811	521,074	1,332,560	0.87
1/18 through 12/18	126,194,854	2	115,277	23	668,085	27,333	532,433	1,343,128	1.07
1/19 through 12/19	141,961,969	3	35,262	29	424,800	19,932	506,452	986,446	0.70
1/20 through 12/20	165,423,493	5	174,946	33	708,237	110,024	366,396	1,359,603	0.82
1/21 through 12/21	197,565,347	2	26,857	32	1,008,336	11,796	791,411	1,838,400	0.93
5 YR. TOTAL	784,346,126	16	543,178	152	3,355,297	243,896	2,717,766	6,860,137	0.88
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		28%	0.497	43%	0.378			0.88	
Pure Premium Indicated by National Relativity		36%	0.553	28%	0.480			1.03	
Pure Premium Present on Rate Level		36%	0.496	29%	0.430			0.93	
Pure Premium Derived by Formula		0.517			0.422		0.94		

CLASS 4459		PLASTICS MFG: SHEETS, RODS, OR TUBES							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	190,686,436	4	204,877	44	507,976	553,396	589,817	1,856,066	0.97
1/18 through 12/18	182,847,331	5	267,910	31	652,997	156,061	499,276	1,576,244	0.86
1/19 through 12/19	227,200,205	12	201,623	48	1,163,755	116,283	993,385	2,475,046	1.09
1/20 through 12/20	249,203,202	6	165,395	52	1,180,877	137,917	1,259,789	2,743,978	1.10
1/21 through 12/21	282,248,451	9	1,345,830	49	1,371,059	402,718	1,231,627	4,351,234	1.54
5 YR. TOTAL	1,132,185,625	36	2,185,635	224	4,876,664	1,366,375	4,573,894	13,002,568	1.15
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		36%	0.624	57%	0.525			1.15	
Pure Premium Indicated by National Relativity		32%	0.573	21%	0.509			1.08	
Pure Premium Present on Rate Level		32%	0.548	22%	0.514			1.06	
Pure Premium Derived by Formula		0.583			0.519		1.10		

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* Pure Premium per \$100 of Payroll
 ** Pure Premium per employee
 ++ Non-Standard Calculation

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CLASS 4470		CABLE MFG-INSULATED ELECTRICAL							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	96,161,759	2	415,707	18	672,716	175,520	351,653	1,615,596	1.68
1/18 through 12/18	105,248,400	1	70,869	12	104,946	64,739	175,335	415,889	0.40
1/19 through 12/19	108,468,741	0	0	9	270,187	0	207,797	477,984	0.44
1/20 through 12/20	118,118,799	6	635,159	13	996,841	293,538	497,338	2,422,876	2.05
1/21 through 12/21	128,711,775	1	90,323	17	694,059	409,343	482,471	1,676,196	1.30
5 YR. TOTAL	556,709,474	10	1,212,058	69	2,738,749	943,140	1,714,594	6,608,541	1.19
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	0.710	34%	0.477	1.19			
Pure Premium Indicated by National Relativity		38%	0.496	33%	0.393	0.89			
Pure Premium Present on Rate Level		39%	0.477	33%	0.371	0.85			
Pure Premium Derived by Formula		0.538			0.414			0.95	

CLASS 4484		PLASTICS MANUFACTURING: MOLDED PRODUCTS NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	649,076,991	15	663,574	121	1,660,085	533,751	1,401,840	4,259,250	0.66
1/18 through 12/18	652,281,951	23	1,109,912	132	2,968,941	687,638	3,341,854	8,108,345	1.24
1/19 through 12/19	668,317,070	18	830,689	127	2,016,175	819,052	1,762,811	5,428,727	0.81
1/20 through 12/20	706,589,559	25	1,231,690	115	2,559,048	1,060,285	2,030,489	6,881,512	0.97
1/21 through 12/21	843,184,249	8	343,491	131	4,089,264	539,401	3,484,460	8,456,616	1.00
5 YR. TOTAL	3,519,449,820	89	4,179,356	626	13,293,513	3,640,127	12,021,454	33,134,450	0.94
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		60%	0.496	94%	0.445	0.94			
Pure Premium Indicated by National Relativity		20%	0.510	3%	0.455	0.97			
Pure Premium Present on Rate Level		20%	0.495	3%	0.450	0.95			
Pure Premium Derived by Formula		0.499			0.445			0.94	

CLASS 4493		FABRIC COATING OR IMPREGNATING NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	15,342,773	0	0	4	67,763	0	117,230	184,993	1.21
1/18 through 12/18	21,943,316	1	454	5	213,391	0	96,198	310,043	1.41
1/19 through 12/19	27,445,079	0	0	6	57,509	0	113,486	170,995	0.62
1/20 through 12/20	24,291,353	0	0	3	18,484	0	55,203	73,687	0.30
1/21 through 12/21	25,326,742	0	0	7	83,274	0	97,125	180,399	0.71
5 YR. TOTAL	114,349,263	1	454	25	440,421	0	479,242	920,117	0.81
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.386	16%	0.419	0.81			
Pure Premium Indicated by National Relativity		23%	0.352	24%	0.323	0.68			
Pure Premium Present on Rate Level		67%	0.464	60%	0.394	0.86			
Pure Premium Derived by Formula		0.430			0.381			0.81	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4511		ANALYTICAL LABORATORIES OR ASSAYING - INCLUDING LABORATORY, OUTSIDE EMPLOYEES, COLLECTORS OF SAMPLES, & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	729,814,455	7	229,191	22	343,460	400,508	400,411	1,373,570	0.19
1/18 through 12/18	787,734,807	4	111,113	23	251,810	62,016	468,250	893,189	0.11
1/19 through 12/19	999,476,161	4	366,738	17	351,874	112,831	451,623	1,283,066	0.13
1/20 through 12/20	1,242,525,418	4	307,319	28	751,729	181,808	652,951	1,893,807	0.15
1/21 through 12/21	1,478,463,434	11	565,885	24	472,026	258,427	500,894	1,797,232	0.12
5 YR. TOTAL	5,238,014,275	30	1,580,246	114	2,170,899	1,015,590	2,474,129	7,240,864	0.14
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		30%	0.072	49%	0.067	0.14			
Pure Premium Indicated by National Relativity		35%	0.109	25%	0.098	0.21			
Pure Premium Present on Rate Level		35%	0.081	26%	0.079	0.16			
Pure Premium Derived by Formula		0.088			0.078		0.17		

CLASS 4557		INK MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	53,334,905	0	0	8	54,128	0	140,415	194,543	0.36
1/18 through 12/18	75,894,445	1	112,106	6	50,607	79,694	61,358	303,765	0.40
1/19 through 12/19	74,720,571	3	280,424	7	90,442	85,911	126,582	583,359	0.78
1/20 through 12/20	73,027,830	2	48,571	13	246,527	144,806	396,161	836,065	1.15
1/21 through 12/21	74,524,899	2	118,227	9	99,627	53,042	168,200	439,096	0.59
5 YR. TOTAL	351,502,650	8	559,328	43	541,331	363,453	892,716	2,356,828	0.67
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	0.313	29%	0.357	0.67			
Pure Premium Indicated by National Relativity		40%	0.548	35%	0.434	0.98			
Pure Premium Present on Rate Level		41%	0.501	36%	0.444	0.95			
Pure Premium Derived by Formula		0.484			0.415		0.90		

CLASS 4558		PAINT MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	56,938,008	4	98,182	12	80,339	44,046	115,168	337,735	0.59
1/18 through 12/18	64,470,398	1	5,458	12	270,256	0	179,290	455,004	0.71
1/19 through 12/19	53,947,713	0	0	11	336,397	0	187,630	524,027	0.97
1/20 through 12/20	71,940,107	4	249,656	5	286,076	71,116	164,774	771,622	1.07
1/21 through 12/21	86,425,478	3	177,629	8	180,971	113,129	116,428	588,157	0.68
5 YR. TOTAL	333,721,704	12	530,925	48	1,154,039	228,291	763,290	2,676,545	0.80
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	0.505	24%	0.297	0.80			
Pure Premium Indicated by National Relativity		41%	0.408	38%	0.308	0.72			
Pure Premium Present on Rate Level		42%	0.409	38%	0.322	0.73			
Pure Premium Derived by Formula		0.425			0.311		0.74		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4568		SALT BORAX OR POTASH PRODUCING OR REFINING & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,495,515	0	0	0	0	0	0	0	0.00
1/18 through 12/18	1,202,913	0	0	1	8,513	0	3,142	11,655	0.97
1/19 through 12/19	1,324,563	1	12,471	2	1,839	12,172	22,570	49,052	3.70
1/20 through 12/20	1,433,779	0	0	0	0	0	2,657	2,657	0.19
1/21 through 12/21	517,130	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	5,973,900	1	12,471	3	10,352	12,172	28,369	63,364	1.06
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.382	4%	0.679			1.06	
Pure Premium Indicated by National Relativity		20%	0.676	21%	0.390			1.07	
Pure Premium Present on Rate Level		77%	0.570	75%	0.425			1.00	
Pure Premium Derived by Formula		0.586			0.428		1.01		

CLASS 4581		PHOSPHATE WORKS & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	63,344,855	2	68,584	2	6,920	250,226	14,591	340,321	0.54
1/18 through 12/18	139,229,575	0	0	4	81,074	0	128,897	209,971	0.15
1/19 through 12/19	89,206,060	1	18,321	0	0	0	30,803	49,124	0.06
1/20 through 12/20	95,522,491	0	0	1	9,812	0	59,802	69,614	0.07
1/21 through 12/21	95,410,423	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	482,713,404	3	86,905	7	97,806	250,226	234,093	669,030	0.14
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		13%	0.038	24%	0.100			0.14	
Pure Premium Indicated by National Relativity		13%	0.181	14%	0.165			0.35	
Pure Premium Present on Rate Level		74%	0.170	62%	0.210			0.38	
Pure Premium Derived by Formula		0.154			0.177		0.33		

CLASS 4583		FERTILIZER MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	15,967,184	2	59,806	3	71,844	487,807	106,708	726,165	4.55
1/18 through 12/18	19,494,643	0	0	8	214,804	0	374,963	589,767	3.03
1/19 through 12/19	21,957,034	2	222,800	5	185,045	102,181	120,241	630,267	2.87
1/20 through 12/20	20,123,095	0	0	5	49,780	0	99,151	148,931	0.74
1/21 through 12/21	23,724,912	0	0	5	131,860	0	198,221	330,081	1.39
5 YR. TOTAL	101,266,868	4	282,606	26	653,333	589,988	899,284	2,425,211	2.40
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		14%	0.924	25%	1.471			2.40	
Pure Premium Indicated by National Relativity		41%	0.915	37%	0.711			1.63	
Pure Premium Present on Rate Level		45%	0.901	38%	1.084			1.99	
Pure Premium Derived by Formula		0.910			1.043		1.95		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4611		DRUG, MEDICINE OR PHARMACEUTICAL PREPARATION, COMPOUNDING, OR BLENDING-NO MFG OF INGREDIENTS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	591,766,354	7	561,459	50	552,330	399,619	624,464	2,137,872	0.36
1/18 through 12/18	506,675,319	6	302,180	37	739,610	143,613	509,111	1,694,514	0.34
1/19 through 12/19	545,150,556	5	294,059	28	503,735	97,171	493,496	1,388,461	0.25
1/20 through 12/20	743,866,326	9	773,454	31	441,840	156,556	527,022	1,898,872	0.26
1/21 through 12/21	761,233,332	9	504,558	39	1,158,244	202,857	1,246,282	3,111,941	0.41
5 YR. TOTAL	3,148,691,887	36	2,435,710	185	3,395,759	999,816	3,400,375	10,231,660	0.33
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	0.185	52%	0.140	0.33			
Pure Premium Indicated by National Relativity		32%	0.206	24%	0.178	0.38			
Pure Premium Present on Rate Level		32%	0.197	24%	0.154	0.35			
Pure Premium Derived by Formula		0.196			0.152			0.35	

CLASS 4635		OXYGEN OR HYDROGEN MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	55,700,069	0	0	10	516,069	0	340,150	856,219	1.54
1/18 through 12/18	60,455,277	1	5,198	8	165,732	0	155,267	326,197	0.54
1/19 through 12/19	65,909,488	1	6,263	6	373,674	1,106	297,564	678,607	1.03
1/20 through 12/20	55,755,438	2	112,423	8	166,319	56,194	215,736	550,672	0.99
1/21 through 12/21	63,450,245	7	732,104	5	237,404	792,398	577,514	2,339,420	3.69
5 YR. TOTAL	301,270,517	11	855,988	37	1,459,198	849,698	1,586,231	4,751,115	1.58
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	0.768	28%	0.809	1.58			
Pure Premium Indicated by National Relativity		40%	0.569	36%	0.451	1.02			
Pure Premium Present on Rate Level		40%	0.640	36%	0.471	1.11			
Pure Premium Derived by Formula		0.637			0.558			1.20	

CLASS 4653		GLUE MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	17,624,955	2	71,678	6	15,555	71,457	24,255	182,945	1.04
1/18 through 12/18	17,312,198	0	0	7	233,669	0	158,917	392,586	2.27
1/19 through 12/19	17,393,006	1	22,208	5	122,707	3,196	60,224	208,335	1.20
1/20 through 12/20	16,601,133	0	0	1	80	0	18,611	18,691	0.11
1/21 through 12/21	18,450,312	2	62,061	3	141,610	37,153	213,194	454,018	2.46
5 YR. TOTAL	87,381,604	5	155,947	22	513,621	111,806	475,201	1,256,575	1.44
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.766	14%	0.672	1.44			
Pure Premium Indicated by National Relativity		15%	0.584	16%	0.326	0.91			
Pure Premium Present on Rate Level		75%	0.503	70%	0.413	0.92			
Pure Premium Derived by Formula		0.541			0.435			0.98	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4665		RENDERING WORKS NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	36,828,907	3	98,920	13	243,238	46,785	358,166	747,109	2.03
1/18 through 12/18	37,915,939	6	240,239	16	380,787	224,259	290,829	1,136,114	3.00
1/19 through 12/19	39,009,875	4	568,450	15	623,872	716,185	388,024	2,296,531	5.89
1/20 through 12/20	39,472,826	2	401,123	19	649,759	145,550	880,324	2,076,756	5.26
1/21 through 12/21	40,530,176	2	61,335	14	2,178,066	56,153	593,690	2,889,244	7.13
5 YR. TOTAL	193,757,723	17	1,370,067	77	4,075,722	1,188,932	2,511,033	9,145,754	4.72
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		26%	2.811	40%	1.910	4.72			
Pure Premium Indicated by National Relativity		37%	1.322	30%	1.296	2.62			
Pure Premium Present on Rate Level		37%	1.632	30%	1.457	3.09			
Pure Premium Derived by Formula			1.824		1.590	3.41			

CLASS 4683		OIL MFG-VEGETABLE-NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	5,134,765	0	0	0	0	0	0	0	0.00
1/18 through 12/18	5,736,712	0	0	1	38,841	0	28,120	66,961	1.17
1/19 through 12/19	5,077,806	1	124,201	0	0	29,357	916	154,474	3.04
1/20 through 12/20	987,909	0	0	0	0	0	1,951	1,951	0.20
1/21 through 12/21	1,255,557	0	0	0	0	0	757	757	0.06
5 YR. TOTAL	18,192,749	1	124,201	1	38,841	29,357	31,744	224,143	1.23
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.896	7%	0.336	1.23			
Pure Premium Indicated by National Relativity		25%	0.978	26%	0.770	1.75			
Pure Premium Present on Rate Level		70%	0.738	67%	0.549	1.29			
Pure Premium Derived by Formula			0.806		0.592	1.40			

CLASS 4686		OIL MFG - VEGETABLE - SOLVENT EXTRACTION PROCESS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	11,696,787	0	0	0	0	0	0	0	0.00
1/18 through 12/18	12,729,425	0	0	0	0	0	0	0	0.00
1/19 through 12/19	17,348,319	0	0	0	0	0	0	0	0.00
1/20 through 12/20	14,130,040	0	0	0	0	0	2,056	2,056	0.02
1/21 through 12/21	16,903,297	0	0	1	75,817	0	55,125	130,942	0.78
5 YR. TOTAL	72,807,868	0	0	1	75,817	0	57,181	132,998	0.18
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.104	11%	0.079	0.18			
Pure Premium Indicated by National Relativity		21%	0.815	23%	0.449	1.26			
Pure Premium Present on Rate Level		71%	0.381	66%	0.292	0.67			
Pure Premium Derived by Formula			0.450		0.305	0.76			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4692		DENTAL LABORATORY							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	35,395,627	0	0	3	34,632	0	38,077	72,709	0.21
1/18 through 12/18	38,850,418	2	72,658	4	71,975	40,267	44,044	228,944	0.59
1/19 through 12/19	34,614,478	0	0	0	0	0	1,590	1,590	0.01
1/20 through 12/20	32,937,471	0	0	4	5,314	0	25,839	31,153	0.09
1/21 through 12/21	40,080,088	0	0	1	4,257	0	7,837	12,094	0.03
5 YR. TOTAL	181,878,082	2	72,658	12	116,178	40,267	117,387	346,490	0.19
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.104	11%	0.087	0.19			
Pure Premium Indicated by National Relativity		22%	0.141	23%	0.101	0.24			
Pure Premium Present on Rate Level		70%	0.153	66%	0.129	0.28			
Pure Premium Derived by Formula		0.146			0.118			0.26	

CLASS 4693		PHARMACEUTICAL OR SURGICAL GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	102,049,113	0	0	10	102,358	0	140,943	243,301	0.24
1/18 through 12/18	135,199,004	0	0	13	156,932	0	141,477	298,409	0.22
1/19 through 12/19	140,332,486	0	0	8	62,482	0	66,856	129,338	0.09
1/20 through 12/20	133,942,398	0	0	7	239,757	0	191,591	431,348	0.32
1/21 through 12/21	188,341,182	4	183,734	11	279,343	119,878	250,686	833,641	0.44
5 YR. TOTAL	699,864,183	4	183,734	49	840,872	119,878	791,553	1,936,037	0.28
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	0.146	25%	0.130	0.28			
Pure Premium Indicated by National Relativity		42%	0.221	37%	0.181	0.40			
Pure Premium Present on Rate Level		42%	0.173	38%	0.158	0.33			
Pure Premium Derived by Formula		0.189			0.160			0.35	

CLASS 4703		CORN PRODUCTS MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	7,376,830	0	0	2	32,464	0	5,425	37,889	0.51
1/18 through 12/18	7,423,951	0	0	0	0	0	3,651	3,651	0.05
1/19 through 12/19	6,838,596	1	285,788	0	0	100,243	3,508	389,539	5.70
1/20 through 12/20	7,078,105	0	0	0	0	0	0	0	0.00
1/21 through 12/21	7,588,089	0	0	1	64,335	0	39,945	104,280	1.37
5 YR. TOTAL	36,305,571	1	285,788	3	96,799	100,243	52,529	535,359	1.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	1.054	7%	0.421	1.48			
Pure Premium Indicated by National Relativity		23%	0.279	25%	0.229	0.51			
Pure Premium Present on Rate Level		72%	0.350	68%	0.226	0.58			
Pure Premium Derived by Formula		0.369			0.240			0.61	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4717		BUTTER SUBSTITUTE MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		11%	0.639	12%	0.405	1.04			
Pure Premium Present on Rate Level		89%	0.402	88%	0.387	0.79			
Pure Premium Derived by Formula		0.428			0.389			0.82	

CLASS 4720		SOAP OR SYNTHETIC DETERGENT MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	42,135,439	1	86,125	3	21,821	34,352	33,297	175,595	0.42
1/18 through 12/18	42,303,482	0	0	4	20,961	0	29,550	50,511	0.12
1/19 through 12/19	49,711,492	1	8,163	3	86,794	8,425	49,292	152,674	0.31
1/20 through 12/20	57,360,601	0	0	4	17,502	0	33,512	51,014	0.09
1/21 through 12/21	61,619,856	2	121,043	8	139,530	123,835	175,258	559,666	0.91
5 YR. TOTAL	253,130,870	4	215,331	22	286,608	166,612	320,909	989,460	0.39
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.198	21%	0.193	0.39			
Pure Premium Indicated by National Relativity		40%	0.500	39%	0.434	0.93			
Pure Premium Present on Rate Level		46%	0.367	40%	0.305	0.67			
Pure Premium Derived by Formula		0.397			0.332			0.73	

CLASS 4740		OIL REFINING-PETROLEUM-& DRIVERS							
Industry Group: Manufacturing Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,317,163	0	0	3	39,377	0	49,658	89,035	0.86
1/18 through 12/18	10,334,020	0	0	2	34,701	0	90,145	124,846	1.21
1/19 through 12/19	12,008,025	0	0	3	29,076	0	56,937	86,013	0.72
1/20 through 12/20	12,996,534	1	19,337	1	30,835	4,186	20,479	74,837	0.58
1/21 through 12/21	18,069,124	0	0	7	301,646	0	318,295	619,941	3.43
5 YR. TOTAL	63,724,866	1	19,337	16	435,635	4,186	535,514	994,672	1.56
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.714	8%	0.847	1.56			
Pure Premium Indicated by National Relativity		40%	0.181	43%	0.132	0.31			
Pure Premium Present on Rate Level		54%	0.248	49%	0.200	0.45			
Pure Premium Derived by Formula		0.249			0.223			0.47	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4741		ASPHALT OR TAR DISTILLING OR REFINING & DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	17,184,169	0	0	1	252,113	0	119,884	371,997	2.17
1/18 through 12/18	17,291,052	1	840	1	5,035	927	9,058	15,860	0.09
1/19 through 12/19	17,735,858	0	0	0	0	0	449	449	0.00
1/20 through 12/20	19,576,911	0	0	1	43,415	0	29,189	72,604	0.37
1/21 through 12/21	19,420,235	0	0	1	10,109	0	9,912	20,021	0.10
5 YR. TOTAL	91,208,225	1	840	4	310,672	927	168,492	480,931	0.53
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.342	15%	0.186	0.53			
Pure Premium Indicated by National Relativity		19%	0.850	21%	0.676	1.53			
Pure Premium Present on Rate Level		70%	0.646	64%	0.437	1.08			
Pure Premium Derived by Formula		0.651			0.450			1.10	

CLASS 4751		SYNTHETIC RUBBER MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	32,019,992	4	62,453	13	105,275	48,688	167,743	384,159	1.20
1/18 through 12/18	41,368,904	9	397,388	19	534,442	328,624	504,924	1,765,378	4.27
1/19 through 12/19	33,597,726	1	1,209	13	581,517	11,008	579,503	1,173,237	3.49
1/20 through 12/20	25,630,913	2	199,743	11	514,541	65,556	446,709	1,226,549	4.79
1/21 through 12/21	26,463,202	1	29,095	3	20,071	24,030	81,133	154,329	0.58
5 YR. TOTAL	159,080,737	17	689,888	59	1,755,846	477,906	1,780,012	4,703,652	2.96
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	1.537	27%	1.419	2.96			
Pure Premium Indicated by National Relativity		16%	0.353	17%	0.326	0.68			
Pure Premium Present on Rate Level		69%	0.655	56%	0.824	1.48			
Pure Premium Derived by Formula		0.739			0.900			1.64	

CLASS 4771		EXPLOSIVES OR AMMUNITION MFG: NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	372,040	0	0	0	0	0	0	0	0.00
1/18 through 12/18	1,408,360	0	0	2	17,605	0	2,375	19,980	1.42
1/19 through 12/19	4,008,139	0	0	4	101,899	0	49,072	150,971	3.77
1/20 through 12/20	3,787,999	0	0	0	0	0	459	459	0.01
1/21 through 12/21	5,394,686	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	14,971,224	0	0	6	119,504	0	51,906	171,410	1.15
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.798	6%	0.347	1.15			
Pure Premium Indicated by National Relativity		38%	0.588	41%	0.396	0.98			
Pure Premium Present on Rate Level		58%	0.613	53%	0.450	1.06			
Pure Premium Derived by Formula		0.611			0.422			1.03	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4777		EXPLOSIVES DISTRIBUTORS & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	725,257	0	0	0	0	0	0	0	0.00
1/18 through 12/18	1,197,246	0	0	1	3,044	0	9,052	12,096	1.01
1/19 through 12/19	3,248,730	0	0	0	0	0	474	474	0.02
1/20 through 12/20	3,217,865	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,525,045	0	0	0	0	0	13,399	13,399	0.88
5 YR. TOTAL	9,914,143	0	0	1	3,044	0	22,925	25,969	0.26
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.031	6%	0.231	0.26			
Pure Premium Indicated by National Relativity		12%	1.397	13%	0.645	2.04			
Pure Premium Present on Rate Level		85%	0.560	81%	0.599	1.16			
Pure Premium Derived by Formula		0.645			0.583			1.23	

CLASS 4825		DRUG, MEDICINE OR PHARMACEUTICAL PREPARATION MFG & INCLUDES MFG OF INGREDIENTS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	651,372,930	2	78,379	23	540,101	25,682	595,305	1,239,467	0.19
1/18 through 12/18	686,659,411	16	1,361,480	46	1,388,885	486,071	993,907	4,230,343	0.62
1/19 through 12/19	708,866,096	7	519,976	37	1,243,926	233,533	821,986	2,819,421	0.40
1/20 through 12/20	795,038,111	3	42,561	33	936,008	37,287	855,694	1,871,550	0.24
1/21 through 12/21	848,798,169	7	222,045	25	576,551	131,603	601,777	1,531,976	0.18
5 YR. TOTAL	3,690,734,717	35	2,224,441	164	4,685,471	914,176	3,868,669	11,692,757	0.32
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	0.187	55%	0.130	0.32			
Pure Premium Indicated by National Relativity		31%	0.207	22%	0.178	0.39			
Pure Premium Present on Rate Level		31%	0.193	23%	0.148	0.34			
Pure Premium Derived by Formula		0.195			0.145			0.34	

CLASS 4828		CHEMICAL BLENDING AND MIXING NOC-ALL OPERATIONS & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	160,451,507	4	637,152	8	532,793	307,680	182,078	1,659,703	1.03
1/18 through 12/18	134,610,618	6	472,668	11	280,630	228,019	199,142	1,180,459	0.88
1/19 through 12/19	127,925,118	0	0	12	306,195	0	258,399	564,594	0.44
1/20 through 12/20	126,390,778	1	3,512	10	271,402	20,508	219,469	514,891	0.41
1/21 through 12/21	121,971,546	2	46,322	15	369,530	35,234	311,446	762,532	0.63
5 YR. TOTAL	671,349,567	13	1,159,654	56	1,760,550	591,441	1,170,534	4,682,179	0.70
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	0.435	34%	0.262	0.70			
Pure Premium Indicated by National Relativity		38%	0.432	33%	0.337	0.77			
Pure Premium Present on Rate Level		38%	0.413	33%	0.308	0.72			
Pure Premium Derived by Formula		0.426			0.302			0.73	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 4829		CHEMICAL MANUFACTURING NOC-ALL OPERATIONS & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	218,487,496	2	187,249	10	299,666	71,257	320,280	878,452	0.40
1/18 through 12/18	236,948,759	5	369,659	14	814,748	160,857	410,161	1,755,425	0.74
1/19 through 12/19	256,932,618	6	172,341	25	722,871	325,251	718,411	1,938,874	0.75
1/20 through 12/20	262,630,921	11	323,651	12	156,640	93,364	223,003	796,658	0.30
1/21 through 12/21	274,380,639	2	31,258	18	571,185	18,410	579,793	1,200,646	0.44
5 YR. TOTAL	1,249,380,433	26	1,084,158	79	2,565,110	669,139	2,251,648	6,570,055	0.53
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		28%	0.292	40%	0.234	0.53			
Pure Premium Indicated by National Relativity		36%	0.248	30%	0.186	0.43			
Pure Premium Present on Rate Level		36%	0.297	30%	0.230	0.53			
Pure Premium Derived by Formula		0.278			0.218			0.50	

CLASS 4902		SPORTING GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	8,376,793	0	0	1	853	0	4,586	5,439	0.07
1/18 through 12/18	8,789,544	0	0	1	1,192	0	1,354	2,546	0.03
1/19 through 12/19	9,739,907	0	0	2	63,797	0	60,598	124,395	1.28
1/20 through 12/20	8,751,978	1	45,066	2	27,114	20,359	22,878	115,417	1.32
1/21 through 12/21	7,918,212	0	0	0	0	0	13,347	13,347	0.17
5 YR. TOTAL	43,576,434	1	45,066	6	92,956	20,359	102,763	261,144	0.60
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.317	10%	0.283	0.60			
Pure Premium Indicated by National Relativity		35%	0.398	38%	0.383	0.78			
Pure Premium Present on Rate Level		59%	0.371	52%	0.388	0.76			
Pure Premium Derived by Formula		0.377			0.376			0.75	

CLASS 4923		PHOTOGRAPHIC SUPPLIES MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	6,383,441	0	0	0	0	0	0	0	0.00
1/18 through 12/18	5,224,547	0	0	0	0	0	12,701	12,701	0.24
1/19 through 12/19	5,470,135	0	0	0	0	0	671	671	0.01
1/20 through 12/20	5,570,123	0	0	0	0	0	228	228	0.00
1/21 through 12/21	7,534,523	0	0	0	0	0	827	827	0.01
5 YR. TOTAL	30,182,769	0	0	0	0	0	14,427	14,427	0.05
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.000	6%	0.048	0.05			
Pure Premium Indicated by National Relativity		18%	0.291	20%	0.272	0.56			
Pure Premium Present on Rate Level		78%	0.202	74%	0.187	0.39			
Pure Premium Derived by Formula		0.210			0.196			0.41	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5020		CEILING INSTALLATION-SUSPENDED ACOUSTICAL GRID TYPE							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,437,250	0	0	6	349,784	0	342,668	692,452	6.63
1/18 through 12/18	12,966,389	1	66,707	1	1,944	98,868	10,554	178,073	1.37
1/19 through 12/19	10,893,728	0	0	3	71,886	0	108,893	180,779	1.66
1/20 through 12/20	13,784,917	0	0	3	64,422	0	100,511	164,933	1.20
1/21 through 12/21	11,643,521	0	0	3	94,016	0	76,189	170,205	1.46
5 YR. TOTAL	59,725,805	1	66,707	16	582,052	98,868	638,815	1,386,442	2.32
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		13%	1.086	18%		1.235		2.32	
Pure Premium Indicated by National Relativity		28%	1.446	30%		0.867		2.31	
Pure Premium Present on Rate Level		59%	1.321	52%		0.996		2.32	
Pure Premium Derived by Formula			1.325			1.000		2.33	

CLASS 5022		MASONRY NOC							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	179,562,144	19	1,093,993	51	1,220,418	623,065	921,762	3,859,238	2.15
1/18 through 12/18	190,073,098	10	899,653	50	1,629,520	708,733	1,023,881	4,261,787	2.24
1/19 through 12/19	205,839,456	16	1,355,009	49	1,586,957	2,302,723	1,255,431	6,500,120	3.16
1/20 through 12/20	208,833,705	18	884,559	55	2,359,273	2,212,389	1,606,870	7,063,091	3.38
1/21 through 12/21	214,046,744	7	815,550	52	2,397,588	640,755	2,485,352	6,339,245	2.96
5 YR. TOTAL	998,355,147	70	5,048,764	257	9,193,756	6,487,665	7,293,296	28,023,481	2.81
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		56%	1.427	88%		1.380		2.81	
Pure Premium Indicated by National Relativity		22%	1.951	6%		1.268		3.22	
Pure Premium Present on Rate Level		22%	1.510	6%		1.356		2.87	
Pure Premium Derived by Formula			1.561			1.372		2.93	

CLASS 5037		PAINTING: METAL STRUCTURES-OVER TWO STORIES IN HEIGHT-& DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,462,112	0	0	0	0	0	0	0	0.00
1/18 through 12/18	1,347,523	0	0	1	14,700	0	47,662	62,362	4.63
1/19 through 12/19	1,394,290	0	0	0	0	0	0	0	0.00
1/20 through 12/20	1,110,787	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,072,627	0	0	1	15,826	0	3,263	19,089	1.78
5 YR. TOTAL	6,387,339	0	0	2	30,526	0	50,925	81,451	1.28
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		5%	0.478	7%		0.797		1.28	
Pure Premium Indicated by National Relativity		17%	2.225	19%		1.153		3.38	
Pure Premium Present on Rate Level		78%	2.231	74%		1.445		3.68	
Pure Premium Derived by Formula			2.142			1.344		3.49	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5040		IRON OR STEEL: ERECTION-FRAME STRUCTURES							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	37,822,958	3	236,220	17	1,075,033	211,168	491,865	2,014,286	5.33
1/18 through 12/18	72,889,017	2	85,925	17	476,621	110,957	616,431	1,289,934	1.77
1/19 through 12/19	40,899,007	5	487,496	9	215,189	315,804	289,113	1,307,602	3.20
1/20 through 12/20	33,319,323	1	157,451	10	648,919	47,412	726,978	1,580,760	4.74
1/21 through 12/21	35,909,414	2	533,880	7	164,950	221,690	152,417	1,072,937	2.99
5 YR. TOTAL	220,839,719	13	1,500,972	60	2,580,712	907,031	2,276,804	7,265,519	3.29
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		30%	1.848	42%	1.442	3.29			
Pure Premium Indicated by National Relativity		35%	1.780	29%	1.127	2.91			
Pure Premium Present on Rate Level		35%	1.866	29%	1.400	3.27			
Pure Premium Derived by Formula		1.831			1.338		3.17		

CLASS 5057		IRON OR STEEL: ERECTION NOC							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	24,063,130	1	26,354	7	413,878	1	364,256	804,489	3.34
1/18 through 12/18	26,523,859	1	28,459	9	213,687	8,312	155,790	406,248	1.53
1/19 through 12/19	27,279,901	1	92,840	5	125,505	474,489	138,963	831,797	3.05
1/20 through 12/20	25,162,246	1	52,224	4	519,401	31,718	106,796	710,139	2.82
1/21 through 12/21	28,451,473	0	0	1	31,972	0	70,907	102,879	0.36
5 YR. TOTAL	131,480,609	4	199,877	26	1,304,443	514,520	836,712	2,855,552	2.17
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	1.144	27%	1.028	2.17			
Pure Premium Indicated by National Relativity		41%	0.855	36%	0.559	1.41			
Pure Premium Present on Rate Level		42%	1.013	37%	0.969	1.98			
Pure Premium Derived by Formula		0.970			0.837		1.81		

CLASS 5059		IRON OR STEEL: ERECTION-FRAME STRUCTURES NOT OVER TWO STORIES IN HEIGHT							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	6,863,740	3	412,108	1	110,782	274,545	30,963	828,398	12.07
1/18 through 12/18	8,460,949	1	110,446	5	226,358	410,690	159,428	906,922	10.72
1/19 through 12/19	7,951,678	0	0	1	10,178	0	10,031	20,209	0.25
1/20 through 12/20	9,144,747	0	0	1	38,579	0	59,142	97,721	1.07
1/21 through 12/21	8,106,195	1	120,923	1	40,480	55,157	51,484	268,044	3.31
5 YR. TOTAL	40,527,309	5	643,477	9	426,377	740,392	311,048	2,121,294	5.23
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	2.640	26%	2.594	5.23			
Pure Premium Indicated by National Relativity		37%	3.371	37%	2.574	5.95			
Pure Premium Present on Rate Level		46%	3.381	37%	3.005	6.39			
Pure Premium Derived by Formula		3.251			2.739		5.99		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5102		DOOR AND WINDOW INSTALLATION - ALL TYPES - RESIDENTIAL AND COMMERCIAL							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	72,331,218	5	292,034	18	624,096	220,978	742,847	1,879,955	2.60
1/18 through 12/18	81,835,520	3	72,462	15	309,990	35,419	273,535	691,406	0.85
1/19 through 12/19	83,082,630	3	114,060	34	1,306,485	36,768	844,398	2,301,711	2.77
1/20 through 12/20	90,841,190	4	220,476	25	623,233	192,417	661,435	1,697,561	1.87
1/21 through 12/21	104,538,299	2	266,518	30	855,030	1,020,815	871,323	3,013,686	2.88
5 YR. TOTAL	432,628,857	17	965,550	122	3,718,834	1,506,397	3,393,538	9,584,319	2.22
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		35%	1.083	50%	1.133			2.22	
Pure Premium Indicated by National Relativity		32%	1.522	25%	1.148			2.67	
Pure Premium Present on Rate Level		33%	1.315	25%	1.020			2.34	
Pure Premium Derived by Formula			1.300		1.109			2.41	

CLASS 5146		FURNITURE OR FIXTURES INSTALLATION-PORTABLE-NO-C							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	56,204,678	2	87,947	13	284,252	41,797	185,563	599,559	1.07
1/18 through 12/18	62,675,784	3	197,816	19	667,948	62,078	506,843	1,434,685	2.29
1/19 through 12/19	65,883,832	1	38,529	10	262,538	39,128	320,703	660,898	1.00
1/20 through 12/20	60,901,275	2	119,294	20	696,288	96,809	563,335	1,475,726	2.42
1/21 through 12/21	63,815,658	5	49,454	18	784,802	79,664	641,042	1,554,962	2.44
5 YR. TOTAL	309,481,227	13	493,040	80	2,695,828	319,476	2,217,486	5,725,830	1.85
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		26%	1.030	36%	0.820			1.85	
Pure Premium Indicated by National Relativity		37%	1.273	32%	0.812			2.09	
Pure Premium Present on Rate Level		37%	1.065	32%	0.749			1.81	
Pure Premium Derived by Formula			1.133		0.795			1.93	

CLASS 5160		ELEVATOR ERECTION OR REPAIR							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	46,177,894	1	17,638	4	71,897	25,150	77,238	191,923	0.42
1/18 through 12/18	49,790,860	1	81,497	2	62,220	68,442	70,074	282,233	0.57
1/19 through 12/19	64,971,498	0	0	11	745,767	0	492,844	1,238,611	1.91
1/20 through 12/20	61,289,280	1	230,871	7	351,400	47,602	195,146	825,019	1.35
1/21 through 12/21	69,829,265	1	250,744	5	88,985	64,394	99,418	503,541	0.72
5 YR. TOTAL	292,058,797	4	580,750	29	1,320,269	205,588	934,720	3,041,327	1.04
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		19%	0.651	26%	0.390			1.04	
Pure Premium Indicated by National Relativity		40%	0.649	37%	0.405			1.05	
Pure Premium Present on Rate Level		41%	0.576	37%	0.422			1.00	
Pure Premium Derived by Formula			0.619		0.407			1.03	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5183		PLUMBING NOC & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	664,235,466	24	1,289,912	122	3,478,419	1,882,150	2,526,058	9,176,539	1.38
1/18 through 12/18	728,174,695	18	1,431,192	136	3,815,157	1,085,417	2,744,338	9,076,104	1.25
1/19 through 12/19	755,879,946	22	1,347,253	123	3,943,750	1,006,521	2,400,508	8,698,032	1.15
1/20 through 12/20	800,397,551	18	1,918,378	160	4,965,575	1,563,559	3,120,590	11,568,102	1.45
1/21 through 12/21	869,351,771	13	1,812,627	149	5,959,920	1,003,045	4,478,830	13,254,422	1.53
5 YR. TOTAL	3,818,039,429	95	7,799,362	690	22,162,821	6,540,692	15,270,324	51,773,199	1.36
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		77%	0.785	100%	0.571			1.36	
Pure Premium Indicated by National Relativity		11%	0.803	0%	0.548			1.35	
Pure Premium Present on Rate Level		12%	0.738	0%	0.591			1.33	
Pure Premium Derived by Formula		0.781			0.571		1.35		

CLASS 5188		AUTOMATIC SPRINKLER INSTALLATION & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	80,853,089	6	205,407	13	207,114	88,631	234,547	735,699	0.91
1/18 through 12/18	86,383,927	2	39,676	15	428,799	12,130	587,590	1,068,195	1.24
1/19 through 12/19	79,903,392	4	206,831	15	781,371	531,432	406,688	1,926,322	2.41
1/20 through 12/20	87,843,426	2	413,000	20	862,299	179,976	659,902	2,115,177	2.41
1/21 through 12/21	109,203,215	2	84,226	11	377,548	62,288	227,389	751,451	0.69
5 YR. TOTAL	444,187,049	16	949,140	74	2,657,131	874,457	2,116,116	6,596,844	1.49
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		27%	0.812	41%	0.673			1.49	
Pure Premium Indicated by National Relativity		36%	0.920	29%	0.678			1.60	
Pure Premium Present on Rate Level		37%	0.782	30%	0.670			1.45	
Pure Premium Derived by Formula		0.840			0.674		1.51		

CLASS 5190		ELECTRICAL WIRING-WITHIN BUILDINGS & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	828,439,896	24	1,326,561	175	4,581,500	1,223,801	3,880,071	11,011,933	1.33
1/18 through 12/18	925,134,699	27	1,403,072	180	4,769,207	1,308,736	3,899,107	11,380,122	1.23
1/19 through 12/19	953,131,921	23	1,735,827	172	5,922,639	1,904,979	4,699,158	14,262,603	1.50
1/20 through 12/20	945,672,741	20	1,802,664	155	6,190,052	1,762,376	4,203,875	13,958,967	1.48
1/21 through 12/21	1,056,312,783	25	1,573,374	166	6,879,780	1,630,798	4,663,464	14,747,416	1.40
5 YR. TOTAL	4,708,692,040	119	7,841,498	848	28,343,178	7,830,690	21,345,675	65,361,041	1.39
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		87%	0.768	100%	0.620			1.39	
Pure Premium Indicated by National Relativity		6%	0.641	0%	0.508			1.15	
Pure Premium Present on Rate Level		7%	0.764	0%	0.631			1.40	
Pure Premium Derived by Formula		0.760			0.620		1.38		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5191		OFFICE MACHINE INSTALLATION, INSPECTION, ADJUSTMENT OR REPAIR							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	745,107,924	17	1,130,858	36	675,440	530,238	667,424	3,003,960	0.40
1/18 through 12/18	741,004,024	10	868,971	33	1,036,834	402,620	778,615	3,087,040	0.42
1/19 through 12/19	793,218,532	8	249,364	33	1,281,452	218,470	756,825	2,506,111	0.32
1/20 through 12/20	796,022,437	13	678,415	28	1,104,731	504,110	939,801	3,227,057	0.41
1/21 through 12/21	878,316,300	7	252,351	41	1,114,966	409,995	989,141	2,766,453	0.32
5 YR. TOTAL	3,953,669,217	55	3,179,959	171	5,213,423	2,065,433	4,131,806	14,590,621	0.37
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		45%	0.212	62%	0.157			0.37	
Pure Premium Indicated by National Relativity		27%	0.226	19%	0.167			0.39	
Pure Premium Present on Rate Level		28%	0.238	19%	0.167			0.41	
Pure Premium Derived by Formula		0.223			0.161		0.38		

CLASS 5192		VENDING OR COIN OPERATED MACHINES-INSTALLATION, SERVICE OR REPAIR & SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	91,882,227	4	102,214	19	364,002	31,174	414,973	912,363	0.99
1/18 through 12/18	90,251,684	1	1,610	15	246,223	2,696	286,933	537,462	0.60
1/19 through 12/19	98,535,184	6	636,711	15	146,791	246,628	165,323	1,195,453	1.21
1/20 through 12/20	78,293,622	4	406,285	18	470,948	273,038	312,855	1,463,126	1.87
1/21 through 12/21	77,423,115	4	213,282	15	291,204	127,172	327,423	959,081	1.24
5 YR. TOTAL	436,385,832	19	1,360,102	82	1,519,168	680,708	1,507,507	5,067,485	1.16
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		24%	0.660	34%	0.501			1.16	
Pure Premium Indicated by National Relativity		38%	0.757	33%	0.532			1.29	
Pure Premium Present on Rate Level		38%	0.608	33%	0.466			1.07	
Pure Premium Derived by Formula		0.677			0.500		1.18		

CLASS 5213		CONCRETE CONSTRUCTION NOC							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	152,357,478	6	258,458	54	1,713,686	216,805	1,820,715	4,009,664	2.63
1/18 through 12/18	183,460,316	16	1,007,314	48	1,490,394	800,394	1,421,503	4,719,605	2.57
1/19 through 12/19	231,596,218	4	483,819	69	2,790,797	382,409	2,079,309	5,736,334	2.48
1/20 through 12/20	228,789,032	9	388,605	50	1,175,173	808,360	1,073,398	3,445,536	1.51
1/21 through 12/21	251,527,349	10	720,682	51	2,691,675	716,782	2,410,056	6,539,195	2.60
5 YR. TOTAL	1,047,730,393	45	2,858,878	272	9,861,725	2,924,750	8,804,981	24,450,334	2.33
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		54%	1.214	83%	1.120			2.33	
Pure Premium Indicated by National Relativity		23%	1.492	8%	1.104			2.60	
Pure Premium Present on Rate Level		23%	1.336	9%	1.150			2.49	
Pure Premium Derived by Formula		1.306			1.121		2.43		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5215		CONCRETE WORK-INCIDENTAL TO THE CONSTRUCTION OF PRIVATE RESIDENCE							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	40,389,551	3	189,300	9	236,803	382,290	153,779	962,172	2.38
1/18 through 12/18	41,994,930	1	9,143	8	113,963	0	79,676	202,782	0.48
1/19 through 12/19	45,085,960	2	388,419	2	7,661	218,529	59,127	673,736	1.49
1/20 through 12/20	47,421,877	0	0	5	95,506	0	113,217	208,723	0.44
1/21 through 12/21	56,915,576	0	0	4	137,360	0	86,965	224,325	0.39
5 YR. TOTAL	231,807,894	6	586,862	28	591,293	600,819	492,764	2,271,738	0.98
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	0.508	33%	0.472	0.98			
Pure Premium Indicated by National Relativity		38%	1.414	33%	0.957	2.37			
Pure Premium Present on Rate Level		39%	1.115	34%	0.804	1.92			
Pure Premium Derived by Formula		1.089			0.745		1.83		

CLASS 5221		CONCRETE OR CEMENT WORK-FLOORS, DRIVEWAYS, YARDS OR SIDEWALKS-& DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	383,519,564	17	766,291	85	1,964,056	518,962	1,686,718	4,936,027	1.29
1/18 through 12/18	415,740,096	16	991,048	83	1,930,766	741,416	1,664,795	5,328,025	1.28
1/19 through 12/19	444,013,511	8	871,206	78	3,106,154	723,077	2,481,726	7,182,163	1.62
1/20 through 12/20	458,796,236	12	774,584	66	2,113,866	806,135	1,303,522	4,998,107	1.09
1/21 through 12/21	513,920,713	19	1,583,511	57	3,010,986	3,190,049	1,916,668	9,701,214	1.89
5 YR. TOTAL	2,215,990,120	72	4,986,640	369	12,125,828	5,979,639	9,053,429	32,145,536	1.45
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		64%	0.772	90%	0.678	1.45			
Pure Premium Indicated by National Relativity		18%	1.191	5%	0.830	2.02			
Pure Premium Present on Rate Level		18%	0.868	5%	0.642	1.51			
Pure Premium Derived by Formula		0.865			0.684		1.55		

CLASS 5222		CONCRETE CONSTRUCTION IN CONNECTION WITH BRIDGES OR CULVERTS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	69,052,768	1	4,211	26	1,057,860	7,318	1,071,806	2,141,195	3.10
1/18 through 12/18	69,998,156	4	227,937	20	590,763	74,840	475,921	1,369,461	1.96
1/19 through 12/19	72,020,283	4	67,040	24	1,071,780	30,338	861,062	2,030,220	2.82
1/20 through 12/20	72,495,396	0	0	17	1,767,963	0	490,183	2,258,146	3.12
1/21 through 12/21	73,613,444	2	89,764	18	1,484,547	73,615	780,690	2,428,616	3.30
5 YR. TOTAL	357,180,047	11	388,952	105	5,972,913	186,111	3,679,662	10,227,638	2.86
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	1.781	49%	1.082	2.86			
Pure Premium Indicated by National Relativity		32%	1.751	25%	1.306	3.06			
Pure Premium Present on Rate Level		33%	1.646	26%	1.174	2.82			
Pure Premium Derived by Formula		1.727			1.162		2.89		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5223		SWIMMING POOL CONSTRUCTION-NOT IRON OR STEEL- & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	20,889,972	1	42,751	6	94,268	39,350	129,492	305,861	1.46
1/18 through 12/18	24,857,847	3	197,735	6	140,264	110,597	122,248	570,844	2.30
1/19 through 12/19	27,239,722	1	50,635	6	302,524	192,046	143,556	688,761	2.53
1/20 through 12/20	31,539,158	1	3,361	5	198,469	0	153,859	355,689	1.13
1/21 through 12/21	41,589,013	1	151,551	5	151,440	98,412	80,396	481,799	1.16
5 YR. TOTAL	146,115,712	7	446,033	28	886,965	440,405	629,551	2,402,954	1.64
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		17%	0.912	26%	0.732			1.64	
Pure Premium Indicated by National Relativity		41%	0.966	37%	0.681			1.65	
Pure Premium Present on Rate Level		42%	0.969	37%	0.805			1.77	
Pure Premium Derived by Formula		0.958			0.740		1.70		

CLASS 5348		CERAMIC TILE, INDOOR STONE, MARBLE, OR MOSAIC WORK							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	107,977,800	7	402,001	38	954,585	192,013	648,630	2,197,229	2.04
1/18 through 12/18	109,980,506	7	517,635	16	219,875	366,573	185,342	1,289,425	1.17
1/19 through 12/19	110,117,830	1	8,835	16	853,889	9,841	300,349	1,172,914	1.07
1/20 through 12/20	123,250,730	1	60,498	24	625,133	0	556,949	1,242,580	1.01
1/21 through 12/21	129,735,385	3	137,129	20	608,536	430,603	1,016,438	2,192,706	1.69
5 YR. TOTAL	581,062,251	19	1,126,098	114	3,262,018	999,030	2,707,708	8,094,854	1.39
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		34%	0.755	44%	0.638			1.39	
Pure Premium Indicated by National Relativity		33%	1.060	28%	0.690			1.75	
Pure Premium Present on Rate Level		33%	0.915	28%	0.596			1.51	
Pure Premium Derived by Formula		0.908			0.641		1.55		

CLASS 5402		HOTHOUSE ERECTION-ALL OPERATIONS							
Industry Group: Contracting Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	897,979	0	0	0	0	0	5,510	5,510	0.61
1/18 through 12/18	744,710	1	19,999	1	886	50,394	4,228	75,507	10.14
1/19 through 12/19	1,279,295	0	0	1	890	0	16,008	16,898	1.32
1/20 through 12/20	1,554,635	0	0	3	17,897	0	7,826	25,723	1.65
1/21 through 12/21	854,904	0	0	0	0	0	170	170	0.02
5 YR. TOTAL	5,331,523	1	19,999	5	19,673	50,394	33,742	123,808	2.32
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		4%	0.744	6%	1.578			2.32	
Pure Premium Indicated by National Relativity		10%	2.077	11%	1.699			3.78	
Pure Premium Present on Rate Level		86%	1.317	83%	1.244			2.56	
Pure Premium Derived by Formula		1.370			1.314		2.68		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5403		CARPENTRY NOC							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	259,868,121	22	2,522,187	77	2,028,014	1,438,717	1,760,837	7,749,755	2.98
1/18 through 12/18	266,422,450	26	1,159,192	73	2,368,304	915,276	1,727,138	6,169,910	2.32
1/19 through 12/19	281,834,322	17	1,165,303	47	1,440,240	1,133,315	1,501,070	5,239,928	1.86
1/20 through 12/20	288,258,947	10	541,947	47	1,778,260	149,713	1,836,402	4,306,322	1.49
1/21 through 12/21	333,753,778	14	2,488,150	60	2,589,532	1,075,510	2,411,557	8,564,749	2.57
5 YR. TOTAL	1,430,137,618	89	7,876,779	304	10,204,350	4,712,531	9,237,004	32,030,664	2.24
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		60%	1.264	89%	0.975	2.24			
Pure Premium Indicated by National Relativity		20%	1.347	5%	1.000	2.35			
Pure Premium Present on Rate Level		20%	1.188	6%	0.976	2.16			
Pure Premium Derived by Formula		1.265			0.976		2.24		

CLASS 5437		CARPENTRY-INSTALLATION OF CABINET WORK OR INTERIOR TRIM							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	180,096,710	8	395,979	58	2,081,008	379,529	1,515,343	4,371,859	2.43
1/18 through 12/18	200,385,078	9	465,227	64	1,461,679	472,460	1,576,474	3,975,840	1.98
1/19 through 12/19	205,997,186	5	349,256	60	1,316,637	149,135	1,116,438	2,931,466	1.42
1/20 through 12/20	218,963,079	11	724,539	58	1,934,494	413,932	1,721,099	4,794,064	2.19
1/21 through 12/21	257,532,454	8	719,964	54	1,628,841	823,994	1,229,790	4,402,589	1.71
5 YR. TOTAL	1,062,974,507	41	2,654,965	294	8,422,659	2,239,050	7,159,144	20,475,818	1.93
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		52%	1.042	76%	0.884	1.93			
Pure Premium Indicated by National Relativity		24%	1.365	12%	0.974	2.34			
Pure Premium Present on Rate Level		24%	1.182	12%	0.945	2.13			
Pure Premium Derived by Formula		1.153			0.902		2.06		

CLASS 5443		LATHING & DRIVERS							
Industry Group: Contracting Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	150,817	0	0	0	0	0	0	0	0.00
1/18 through 12/18	112,150	0	0	0	0	0	0	0	0.00
1/19 through 12/19	218,214	0	0	0	0	0	0	0	0.00
1/20 through 12/20	238,632	0	0	0	0	0	0	0	0.00
1/21 through 12/21	419,882	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,139,695	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	2%	0.000	0.00			
Pure Premium Indicated by National Relativity		23%	1.014	24%	0.580	1.59			
Pure Premium Present on Rate Level		76%	0.783	74%	0.697	1.48			
Pure Premium Derived by Formula		0.828			0.655		1.48		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5445		WALLBOARD, SHEETROCK, DRYWALL, PLASTERBOARD, OR CEMENT BOARD INSTALLATION - WITHIN BUILDINGS & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	124,542,323	11	403,354	53	1,441,905	218,677	901,371	2,965,307	2.38
1/18 through 12/18	138,004,121	22	1,293,680	61	2,241,409	1,237,560	2,262,822	7,035,471	5.10
1/19 through 12/19	142,089,334	10	558,926	58	2,462,060	592,402	2,150,597	5,763,985	4.06
1/20 through 12/20	147,669,621	13	914,535	58	2,323,462	465,197	1,646,812	5,350,006	3.62
1/21 through 12/21	149,589,086	17	1,841,504	45	2,804,662	1,700,164	1,794,571	8,140,901	5.44
5 YR. TOTAL	701,894,485	73	5,011,999	275	11,273,498	4,214,000	8,756,173	29,255,670	4.17
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		54%	2.320	80%	1.848	4.17			
Pure Premium Indicated by National Relativity		23%	1.405	10%	0.968	2.37			
Pure Premium Present on Rate Level		23%	1.933	10%	1.617	3.55			
Pure Premium Derived by Formula		2.021			1.737		3.76		

CLASS 5462		GLAZIER-AWAY FROM SHOP & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	51,168,897	1	27,157	12	393,928	5,024	292,024	718,133	1.40
1/18 through 12/18	54,004,152	4	271,652	18	349,172	456,016	336,560	1,413,400	2.62
1/19 through 12/19	59,826,931	3	91,376	16	550,854	34,700	411,320	1,088,250	1.82
1/20 through 12/20	61,707,431	0	0	19	392,967	0	322,299	715,266	1.16
1/21 through 12/21	61,896,236	0	0	20	1,265,767	0	920,796	2,186,563	3.53
5 YR. TOTAL	288,603,647	8	390,185	85	2,952,688	495,740	2,282,999	6,121,612	2.12
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		27%	1.158	40%	0.963	2.12			
Pure Premium Indicated by National Relativity		36%	1.545	30%	1.051	2.60			
Pure Premium Present on Rate Level		37%	1.235	30%	0.958	2.19			
Pure Premium Derived by Formula		1.326			0.988		2.31		

CLASS 5472		ASBESTOS CONTRACTOR-PIPE AND BOILER WORK EXCLUSIVELY & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,346,200	0	0	1	30,402	0	40,392	70,794	3.02
1/18 through 12/18	2,719,568	0	0	3	73,734	0	72,024	145,758	5.36
1/19 through 12/19	1,630,789	0	0	0	0	0	0	0	0.00
1/20 through 12/20	1,208,858	0	0	0	0	0	15,036	15,036	1.24
1/21 through 12/21	961,331	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	8,866,746	0	0	4	104,136	0	127,452	231,588	2.61
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	1.174	8%	1.437	2.61			
Pure Premium Indicated by National Relativity		17%	1.321	18%	0.959	2.28			
Pure Premium Present on Rate Level		78%	1.578	74%	1.326	2.90			
Pure Premium Derived by Formula		1.514			1.269		2.78		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5473		ASBESTOS CONTRACTOR-NOC & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	17,499,316	1	5,378	5	114,251	0	66,751	186,380	1.07
1/18 through 12/18	23,445,416	8	503,580	7	365,683	500,998	198,638	1,568,899	6.69
1/19 through 12/19	26,181,745	6	484,532	11	369,680	267,806	467,433	1,589,451	6.07
1/20 through 12/20	24,596,520	4	539,880	10	369,025	558,671	186,223	1,653,799	6.72
1/21 through 12/21	26,575,820	1	17,880	11	655,700	8,455	698,929	1,380,964	5.20
5 YR. TOTAL	118,298,817	20	1,551,250	44	1,874,339	1,335,930	1,617,974	6,379,493	5.39
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*		PURE PREM.*		
Indicated Pure Premium		24%	2.896	35%	2.497		5.39		
Pure Premium Indicated by National Relativity		38%	2.025	32%	1.325		3.35		
Pure Premium Present on Rate Level		38%	2.350	33%	1.809		4.16		
Pure Premium Derived by Formula		2.358			1.895		4.25		

CLASS 5474		PAINTING NOC & SHOP OPERATIONS, DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	250,741,438	15	1,175,001	73	1,976,205	838,611	1,636,965	5,626,782	2.24
1/18 through 12/18	281,195,944	19	1,019,973	89	3,282,480	810,094	2,598,372	7,710,919	2.74
1/19 through 12/19	310,807,221	22	1,314,326	85	3,498,338	1,967,068	3,263,587	10,043,319	3.23
1/20 through 12/20	314,323,091	9	408,433	74	3,057,785	462,741	2,298,107	6,227,066	1.98
1/21 through 12/21	349,779,528	24	1,636,023	84	4,160,329	1,802,112	3,454,648	11,053,112	3.16
5 YR. TOTAL	1,506,847,222	89	5,553,756	405	15,975,137	5,880,626	13,251,679	40,661,198	2.70
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*		PURE PREM.*		
Indicated Pure Premium		66%	1.429	100%	1.270		2.70		
Pure Premium Indicated by National Relativity		17%	1.403	0%	1.070		2.47		
Pure Premium Present on Rate Level		17%	1.377	0%	1.289		2.67		
Pure Premium Derived by Formula		1.416			1.270		2.69		

CLASS 5478		FLOOR COVERING INSTALLATION--RESILIENT FLOORING -- CARPET AND LAMINATE FLOORING							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	83,246,434	2	117,750	12	514,372	68,742	364,403	1,065,267	1.28
1/18 through 12/18	88,885,837	2	43,539	20	583,885	8,329	458,295	1,094,048	1.23
1/19 through 12/19	98,081,118	3	175,485	13	265,821	23,669	324,377	789,352	0.81
1/20 through 12/20	97,080,877	1	66,964	15	319,434	47,800	240,410	674,608	0.70
1/21 through 12/21	118,597,147	2	146,737	8	294,918	46,714	300,419	788,788	0.67
5 YR. TOTAL	485,891,413	10	550,475	68	1,978,430	195,254	1,687,904	4,412,063	0.91
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*		PURE PREM.*		
Indicated Pure Premium		29%	0.520	38%	0.388		0.91		
Pure Premium Indicated by National Relativity		35%	1.009	31%	0.606		1.62		
Pure Premium Present on Rate Level		36%	0.829	31%	0.530		1.36		
Pure Premium Derived by Formula		0.802			0.500		1.30		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5479		INSULATION WORK NOC & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	60,672,219	6	320,147	30	316,738	76,125	356,401	1,069,411	1.76
1/18 through 12/18	64,071,627	1	35,518	20	368,659	5,145	281,420	690,742	1.08
1/19 through 12/19	68,174,588	7	455,536	22	618,177	404,414	423,707	1,901,834	2.79
1/20 through 12/20	78,909,381	7	936,293	17	444,637	1,375,613	321,334	3,077,877	3.90
1/21 through 12/21	90,012,380	2	140,693	33	989,173	106,291	837,018	2,073,175	2.30
5 YR. TOTAL	361,840,195	23	1,888,187	122	2,737,384	1,967,588	2,219,880	8,813,039	2.44
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		32%	1.278	49%	1.157	2.44			
Pure Premium Indicated by National Relativity		34%	1.333	25%	1.105	2.44			
Pure Premium Present on Rate Level		34%	1.330	26%	1.156	2.49			
Pure Premium Derived by Formula		1.314			1.144			2.46	

CLASS 5480		PLASTERING NOC & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	823,637	0	0	0	0	0	0	0	0.00
1/18 through 12/18	626,645	0	0	0	0	0	0	0	0.00
1/19 through 12/19	1,242,917	0	0	0	0	0	0	0	0.00
1/20 through 12/20	1,056,803	0	0	1	2,672	0	6,829	9,501	0.90
1/21 through 12/21	2,788,979	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	6,538,981	0	0	1	2,672	0	6,829	9,501	0.15
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.041	6%	0.104	0.15			
Pure Premium Indicated by National Relativity		24%	1.701	26%	1.086	2.79			
Pure Premium Present on Rate Level		71%	1.488	68%	1.029	2.52			
Pure Premium Derived by Formula		1.467			0.988			2.46	

CLASS 5491		PAPERHANGING & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,412,149	0	0	0	0	0	2,534	2,534	0.06
1/18 through 12/18	3,910,355	0	0	0	0	0	0	0	0.00
1/19 through 12/19	4,674,184	0	0	0	0	0	0	0	0.00
1/20 through 12/20	4,553,084	0	0	1	90,334	0	33,207	123,541	2.71
1/21 through 12/21	4,722,372	0	0	1	3,524	0	24,751	28,275	0.60
5 YR. TOTAL	22,272,144	0	0	2	93,858	0	60,492	154,350	0.69
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.421	7%	0.272	0.69			
Pure Premium Indicated by National Relativity		13%	1.078	14%	0.667	1.75			
Pure Premium Present on Rate Level		82%	0.520	79%	0.410	0.93			
Pure Premium Derived by Formula		0.588			0.436			1.02	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5506		STREET OR ROAD CONSTRUCTION: PAVING OR REPAVING & DRIVERS								
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	177,326,794	15	515,729	37	1,052,699	751,999	1,242,247	3,562,674	2.01	
1/18 through 12/18	200,679,383	10	809,589	41	997,173	535,659	1,100,073	3,442,494	1.72	
1/19 through 12/19	212,280,437	12	254,825	48	1,098,948	182,350	901,693	2,437,816	1.15	
1/20 through 12/20	196,245,349	10	1,082,123	42	1,130,665	410,666	761,222	3,384,676	1.73	
1/21 through 12/21	211,277,776	15	852,335	53	2,815,039	389,614	1,311,739	5,368,727	2.54	
5 YR. TOTAL	997,809,739	62	3,514,601	221	7,094,524	2,270,288	5,316,974	18,196,387	1.82	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		49%	1.063	69%	0.760	1.82				
Pure Premium Indicated by National Relativity		25%	1.398	15%	1.037	2.44				
Pure Premium Present on Rate Level		26%	1.154	16%	0.840	1.99				
Pure Premium Derived by Formula		1.170			0.814		1.98			

CLASS 5507		STREET OR ROAD CONSTRUCTION: SUBSURFACE WORK & DRIVERS								
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	135,053,639	3	220,323	26	721,202	465,797	935,356	2,342,678	1.73	
1/18 through 12/18	144,532,313	5	125,823	30	881,123	105,665	897,573	2,010,184	1.39	
1/19 through 12/19	144,789,272	5	689,119	20	560,739	208,801	769,471	2,228,130	1.54	
1/20 through 12/20	146,562,138	6	976,076	35	942,029	727,310	826,173	3,471,588	2.37	
1/21 through 12/21	151,072,188	6	1,018,769	22	712,926	283,154	607,194	2,622,043	1.74	
5 YR. TOTAL	722,009,550	25	3,030,110	133	3,818,019	1,790,727	4,035,767	12,674,623	1.76	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		37%	0.948	55%	0.807	1.76				
Pure Premium Indicated by National Relativity		31%	1.101	22%	0.733	1.83				
Pure Premium Present on Rate Level		32%	0.892	23%	0.731	1.62				
Pure Premium Derived by Formula		0.978			0.773		1.75			

CLASS 5535		SHEET METAL WORK - INSTALLATION & DRIVERS								
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	92,622,322	6	297,706	39	852,041	219,294	791,348	2,160,389	2.33	
1/18 through 12/18	101,624,919	4	212,053	57	1,426,602	56,971	1,311,218	3,006,844	2.96	
1/19 through 12/19	136,976,320	7	572,226	34	1,208,729	329,503	1,378,842	3,489,300	2.55	
1/20 through 12/20	108,462,802	5	555,607	40	1,547,383	508,337	1,508,317	4,119,644	3.80	
1/21 through 12/21	124,155,581	6	371,959	42	1,933,486	584,761	1,618,614	4,508,820	3.63	
5 YR. TOTAL	563,841,944	28	2,009,551	212	6,968,241	1,698,866	6,608,339	17,284,997	3.07	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		42%	1.592	68%	1.473	3.07				
Pure Premium Indicated by National Relativity		29%	1.612	16%	1.358	2.97				
Pure Premium Present on Rate Level		29%	1.510	16%	1.450	2.96				
Pure Premium Derived by Formula		1.574			1.451		3.03			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5537		HEATING, VENTILATION, AIR-CONDITIONING AND REFRIGERATION SYSTEMS-INSTALLATION, SERVICE AND REPAIR, SHOP, YARD & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	669,078,860	32	1,962,536	186	4,735,847	1,052,132	3,476,242	11,226,757	1.68
1/18 through 12/18	749,942,374	27	1,757,985	208	5,623,282	2,183,057	3,885,223	13,449,547	1.79
1/19 through 12/19	767,195,032	31	2,539,521	189	4,820,192	2,148,336	3,645,968	13,154,017	1.71
1/20 through 12/20	846,945,216	21	1,458,242	199	4,663,192	962,818	4,055,713	11,139,965	1.32
1/21 through 12/21	952,398,690	31	4,519,598	198	7,528,627	2,412,453	5,114,077	19,574,755	2.06
5 YR. TOTAL	3,985,560,172	142	12,237,882	980	27,371,140	8,758,796	20,177,223	68,545,041	1.72
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		89%	0.994	100%	0.726			1.72	
Pure Premium Indicated by National Relativity		5%	1.004	0%	0.687			1.69	
Pure Premium Present on Rate Level		6%	0.945	0%	0.716			1.66	
Pure Premium Derived by Formula		0.992			0.726		1.72		

CLASS 5551		ROOFING-ALL KINDS & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	116,786,073	14	995,901	61	2,560,060	1,028,028	2,452,650	7,036,639	6.03
1/18 through 12/18	131,086,729	15	1,053,891	70	3,113,966	1,483,118	2,615,652	8,266,627	6.31
1/19 through 12/19	145,394,558	24	2,321,343	66	3,655,997	2,891,082	3,769,175	12,637,597	8.69
1/20 through 12/20	151,832,614	16	1,369,233	69	3,986,123	1,212,683	2,976,326	9,544,365	6.29
1/21 through 12/21	155,967,365	10	1,006,539	52	3,115,770	812,513	2,685,631	7,620,453	4.89
5 YR. TOTAL	701,067,339	79	6,746,907	318	16,431,916	7,427,424	14,499,434	45,105,681	6.43
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		69%	3.306	100%	3.128			6.43	
Pure Premium Indicated by National Relativity		15%	2.808	0%	2.281			5.09	
Pure Premium Present on Rate Level		16%	3.241	0%	3.265			6.51	
Pure Premium Derived by Formula		3.221			3.128		6.35		

CLASS 5606		CONTRACTOR--PROJECT MANAGER, CONSTRUCTION EXECUTIVE, CONSTRUCTION MANAGER OR CONSTRUCTION SUPERINTENDENT							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,373,781,387	10	872,243	56	1,649,464	569,324	1,475,833	4,566,864	0.33
1/18 through 12/18	1,526,250,715	14	1,018,921	54	1,698,899	915,044	1,446,776	5,079,640	0.33
1/19 through 12/19	1,680,463,330	20	2,439,066	64	2,381,193	1,249,385	1,993,743	8,063,387	0.48
1/20 through 12/20	1,765,391,702	15	920,650	56	1,253,460	843,532	1,214,388	4,232,030	0.24
1/21 through 12/21	2,008,092,245	15	1,266,436	47	2,501,487	2,116,708	2,165,822	8,050,453	0.40
5 YR. TOTAL	8,353,979,379	74	6,517,316	277	9,484,503	5,693,993	8,296,562	29,992,374	0.36
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		61%	0.192	87%	0.167			0.36	
Pure Premium Indicated by National Relativity		19%	0.234	6%	0.189			0.42	
Pure Premium Present on Rate Level		20%	0.210	7%	0.160			0.37	
Pure Premium Derived by Formula		0.204			0.168		0.37		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5610		CLEANER - DEBRIS REMOVAL - CONSTRUCTION							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	12,616,903	2	20,057	8	121,764	17,354	92,836	252,011	2.00
1/18 through 12/18	18,838,425	2	72,177	10	41,243	190,909	46,688	351,017	1.86
1/19 through 12/19	17,164,317	3	137,930	5	21,189	219,146	25,837	404,102	2.35
1/20 through 12/20	20,912,912	0	0	9	202,472	0	136,224	338,696	1.62
1/21 through 12/21	19,260,666	0	0	3	53,718	0	52,791	106,509	0.55
5 YR. TOTAL	88,793,223	7	230,164	35	440,386	427,409	354,376	1,452,335	1.64
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.755	22%	0.880	1.64			
Pure Premium Indicated by National Relativity		39%	1.107	39%	0.901	2.01			
Pure Premium Present on Rate Level		47%	1.053	39%	0.978	2.03			
Pure Premium Derived by Formula			1.032		0.926	1.96			

CLASS 5645		CARPENTRY- CONSTRUCTION OF RESIDENTIAL DWELLINGS NOT EXCEEDING THREE STORIES IN HEIGHT							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	295,565,697	45	2,852,483	190	6,099,810	4,021,700	5,287,496	18,261,489	6.18
1/18 through 12/18	333,527,148	51	3,454,491	187	7,606,171	3,005,654	6,085,047	20,151,363	6.04
1/19 through 12/19	356,493,356	43	2,723,841	202	7,212,070	4,532,562	6,986,080	21,454,553	6.02
1/20 through 12/20	379,925,714	43	3,603,133	205	8,354,167	2,553,551	6,826,092	21,336,943	5.62
1/21 through 12/21	448,111,068	41	4,838,253	212	10,972,438	5,474,806	9,203,639	30,489,136	6.80
5 YR. TOTAL	1,813,622,983	223	17,472,201	996	40,244,656	19,588,273	34,388,354	111,693,484	6.16
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	3.182	100%	2.976	6.16			
Pure Premium Indicated by National Relativity		0%	2.690	0%	2.116	4.81			
Pure Premium Present on Rate Level		0%	3.088	0%	2.917	6.01			
Pure Premium Derived by Formula			3.182		2.976	6.16			

CLASS 5703		BUILDING RAISING OR MOVING							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	373,321	0	0	0	0	0	0	0	0.00
1/18 through 12/18	308,065	0	0	0	0	0	0	0	0.00
1/19 through 12/19	571,234	0	0	0	0	0	0	0	0.00
1/20 through 12/20	620,172	0	0	0	0	0	0	0	0.00
1/21 through 12/21	612,306	1	185,695	0	0	458,437	613	644,745	105.30
5 YR. TOTAL	2,485,098	1	185,695	0	0	458,437	613	644,745	25.94
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	7.472	6%	18.472	25.94			
Pure Premium Indicated by National Relativity		8%	0.816	8%	0.897	1.71			
Pure Premium Present on Rate Level		88%	2.669	86%	2.520	5.19			
Pure Premium Derived by Formula			2.713		3.347	6.06			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 5705		SALVAGE OPERATION-NO WRECKING OR ANY STRUCTURAL OPERATIONS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	87,719	0	0	0	0	0	0	0	0.00
1/18 through 12/18	102,358	0	0	0	0	0	0	0	0.00
1/19 through 12/19	129,642	0	0	0	0	0	0	0	0.00
1/20 through 12/20	127,760	0	0	0	0	0	0	0	0.00
1/21 through 12/21	48,522	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	496,001	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	3%	0.000	0.00			
Pure Premium Indicated by National Relativity		6%	2.362	6%	1.167	3.53			
Pure Premium Present on Rate Level		92%	3.996	91%	4.159	8.16			
Pure Premium Derived by Formula		3.818			3.855			7.67	

CLASS 5951		SERUM, ANTI-TOXIN OR VIRUS MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	12,566,132	0	0	0	0	0	8,096	8,096	0.06
1/18 through 12/18	10,401,533	0	0	1	54,366	0	20,062	74,428	0.72
1/19 through 12/19	10,947,974	0	0	0	0	0	3,098	3,098	0.03
1/20 through 12/20	13,409,292	0	0	0	0	0	1,911	1,911	0.01
1/21 through 12/21	49,047,315	0	0	1	492	0	4,562	5,054	0.01
5 YR. TOTAL	96,372,246	0	0	2	54,858	0	37,729	92,587	0.10
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.057	7%	0.039	0.10			
Pure Premium Indicated by National Relativity		22%	0.126	23%	0.088	0.21			
Pure Premium Present on Rate Level		74%	0.096	70%	0.099	0.20			
Pure Premium Derived by Formula		0.101			0.092			0.19	

CLASS 6003		PILE DRIVING							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	13,679,337	0	0	3	10,608	0	44,487	55,095	0.40
1/18 through 12/18	6,619,933	0	0	2	46,214	0	41,819	88,033	1.33
1/19 through 12/19	7,508,095	1	35,460	1	1,563	0	2,211	39,234	0.52
1/20 through 12/20	7,315,704	0	0	3	194,061	0	157,612	351,673	4.81
1/21 through 12/21	8,444,414	0	0	2	134,189	0	143,752	277,941	3.29
5 YR. TOTAL	43,567,483	1	35,460	11	386,635	0	389,881	811,976	1.86
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.969	15%	0.895	1.86			
Pure Premium Indicated by National Relativity		20%	1.421	21%	0.910	2.33			
Pure Premium Present on Rate Level		69%	1.279	64%	0.933	2.21			
Pure Premium Derived by Formula		1.273			0.922			2.20	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6005		JETTY OR BREAKWATER CONSTRUCTION-ALL OPERATIONS TO COMPLETION & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	284,166	0	0	0	0	0	0	0	0.00
1/18 through 12/18	280,360	0	0	0	0	0	0	0	0.00
1/19 through 12/19	304,523	0	0	0	0	0	370	370	0.12
1/20 through 12/20	463,813	0	0	1	6,174	0	33,790	39,964	8.62
1/21 through 12/21	345,082	0	0	1	73	0	1,878	1,951	0.57
5 YR. TOTAL	1,677,944	0	0	2	6,247	0	36,038	42,285	2.52
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	0.372	3%	2.148			2.52	
Pure Premium Indicated by National Relativity		6%	0.668	6%	0.356			1.02	
Pure Premium Present on Rate Level		92%	1.340	91%	1.127			2.47	
Pure Premium Derived by Formula		1.280			1.111		2.39		

CLASS 6018		DAM OR LOCK CONSTRUCTION: EARTH MOVING OR PLACING-ALL OPERATIONS & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	321,861	0	0	0	0	0	0	0	0.00
1/18 through 12/18	715,585	0	0	0	0	0	0	0	0.00
1/19 through 12/19	466,413	0	0	0	0	0	0	0	0.00
1/20 through 12/20	1,709,902	0	0	1	45,307	0	28,281	73,588	4.30
1/21 through 12/21	3,845,385	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	7,059,146	0	0	1	45,307	0	28,281	73,588	1.04
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.642	4%	0.401			1.04	
Pure Premium Indicated by National Relativity		7%	2.708	7%	1.124			3.83	
Pure Premium Present on Rate Level		90%	0.798	89%	0.428			1.23	
Pure Premium Derived by Formula		0.927			0.476		1.40		

CLASS 6045		LEVEE CONSTRUCTION-ALL OPERATIONS TO COMPLETION & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1	0	0	0	0	0	0	0	0.00
1/18 through 12/18	93,592	0	0	0	0	0	0	0	0.00
1/19 through 12/19	273,781	0	0	0	0	0	0	0	0.00
1/20 through 12/20	234,227	0	0	0	0	0	0	0	0.00
1/21 through 12/21	205,261	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	806,862	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		1%	0.000	2%	0.000			0.00	
Pure Premium Indicated by National Relativity		6%	0.424	7%	0.280			0.70	
Pure Premium Present on Rate Level		93%	1.238	91%	0.805			2.04	
Pure Premium Derived by Formula		1.177			0.752		1.93		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6204		DRILLING NOC & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	24,117,434	0	0	10	386,696	0	253,468	640,164	2.65
1/18 through 12/18	26,697,569	3	241,628	8	188,555	243,768	197,433	871,384	3.26
1/19 through 12/19	26,856,216	1	74,642	8	462,518	13,013	152,380	702,553	2.62
1/20 through 12/20	29,395,561	1	340,154	9	184,263	96,334	214,315	835,066	2.84
1/21 through 12/21	33,091,872	0	0	6	200,406	0	226,903	427,309	1.29
5 YR. TOTAL	140,158,652	5	656,424	41	1,422,438	353,115	1,044,499	3,476,476	2.48
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		22%	1.483	30%	0.997			2.48	
Pure Premium Indicated by National Relativity		39%	1.934	35%	1.129			3.06	
Pure Premium Present on Rate Level		39%	1.649	35%	1.115			2.76	
Pure Premium Derived by Formula		1.724			1.085		2.81		

CLASS 6206		OIL OR GAS WELL: CEMENTING & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	84,008	0	0	0	0	0	0	0	0.00
1/18 through 12/18	15,684	0	0	0	0	0	0	0	0.00
1/19 through 12/19	166,468	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	266,160	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		1%	0.000	1%	0.000			0.00	
Pure Premium Indicated by National Relativity		30%	0.818	33%	0.462			1.28	
Pure Premium Present on Rate Level		69%	0.691	66%	0.402			1.09	
Pure Premium Derived by Formula		0.722			0.418		1.14		

CLASS 6213		OIL OR GAS - WELL - SPECIALTY TOOL & EQUIPMENT LEASING NOC - ALL EMPLOYEES AND DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	784,532	0	0	0	0	0	0	0	0.00
1/18 through 12/18	86,718	0	0	0	0	0	0	0	0.00
1/19 through 12/19	118,112	0	0	0	0	0	0	0	0.00
1/20 through 12/20	2,331	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	991,693	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		1%	0.000	1%	0.000			0.00	
Pure Premium Indicated by National Relativity		25%	0.521	26%	0.414			0.94	
Pure Premium Present on Rate Level		74%	0.538	73%	0.345			0.88	
Pure Premium Derived by Formula		0.528			0.359		0.89		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6214		OIL OR GAS WELL: PERFORATING OF CASING-ALL EMPLOYEES & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		7%	0.482	8%	0.271	0.75			
Pure Premium Present on Rate Level		93%	0.341	92%	0.276	0.62			
Pure Premium Derived by Formula		0.351			0.276			0.63	

CLASS 6216		OIL OR GAS - LEASE WORK NOC - BY SPECIALIST CONTRACTOR & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	62,143	0	0	0	0	0	0	0	0.00
1/18 through 12/18	82,536	0	0	0	0	0	0	0	0.00
1/19 through 12/19	275,074	0	0	0	0	0	0	0	0.00
1/20 through 12/20	1,149,788	0	0	1	104,494	0	209,382	313,876	27.30
1/21 through 12/21	59,767	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,629,308	0	0	1	104,494	0	209,382	313,876	19.26
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	6.413	3%	12.851	19.26			
Pure Premium Indicated by National Relativity		49%	1.314	48%	0.731	2.05			
Pure Premium Present on Rate Level		49%	1.565	49%	1.236	2.80			
Pure Premium Derived by Formula		1.539			1.342			2.88	

CLASS 6217		EXCAVATION & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	492,506,897	27	1,724,880	113	3,194,537	1,215,413	2,030,563	8,165,393	1.66
1/18 through 12/18	561,359,755	16	982,248	118	3,378,134	721,784	2,702,049	7,784,215	1.39
1/19 through 12/19	583,721,554	18	2,032,337	132	5,056,497	2,155,955	4,762,890	14,007,679	2.40
1/20 through 12/20	616,877,911	18	1,883,012	89	3,674,119	1,330,796	3,077,265	9,965,192	1.62
1/21 through 12/21	709,571,089	22	2,746,017	111	6,101,846	2,692,874	5,610,265	17,151,002	2.42
5 YR. TOTAL	2,964,037,206	101	9,368,494	563	21,405,133	8,116,822	18,183,032	57,073,481	1.93
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		78%	1.038	100%	0.887	1.93			
Pure Premium Indicated by National Relativity		11%	1.101	0%	0.794	1.90			
Pure Premium Present on Rate Level		11%	0.977	0%	0.826	1.80			
Pure Premium Derived by Formula		1.038			0.887			1.93	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6229		IRRIGATION OR DRAINAGE SYSTEM CONSTRUCTION & DRIVERS								
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	22,122,212	3	257,196	6	211,425	91,143	146,656	706,420	3.19	
1/18 through 12/18	26,497,579	2	124,028	4	200,358	52,017	147,935	524,338	1.98	
1/19 through 12/19	28,875,788	0	0	4	120,891	0	111,820	232,711	0.81	
1/20 through 12/20	33,193,060	2	187,847	2	50,082	0	88,049	325,978	0.98	
1/21 through 12/21	40,935,227	0	0	4	54,569	0	66,120	120,689	0.30	
5 YR. TOTAL	151,623,866	7	569,071	20	637,325	143,160	560,580	1,910,136	1.26	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		18%	0.796	25%	0.464	1.26				
Pure Premium Indicated by National Relativity		41%	0.944	37%	0.787	1.73				
Pure Premium Present on Rate Level		41%	1.041	38%	0.754	1.80				
Pure Premium Derived by Formula		0.957			0.694		1.65			

CLASS 6233		OIL OR GAS PIPELINE CONSTRUCTION & DRIVERS								
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	60,496,247	2	364,057	8	142,433	81,302	188,478	776,270	1.28	
1/18 through 12/18	70,424,084	1	47,431	4	126,385	44,378	67,458	285,652	0.41	
1/19 through 12/19	65,190,668	0	0	2	40,712	0	19,518	60,230	0.09	
1/20 through 12/20	62,476,276	0	0	5	244,083	0	493,191	737,274	1.18	
1/21 through 12/21	36,514,181	0	0	3	151,777	0	93,194	244,971	0.67	
5 YR. TOTAL	295,101,456	3	411,488	22	705,390	125,680	861,839	2,104,397	0.71	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		17%	0.378	22%	0.335	0.71				
Pure Premium Indicated by National Relativity		40%	0.518	39%	0.332	0.85				
Pure Premium Present on Rate Level		43%	0.485	39%	0.295	0.78				
Pure Premium Derived by Formula		0.480			0.318		0.80			

CLASS 6235		OIL OR GAS WELL: DRILLING OR REDRILLING & DRIVERS								
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	17,063	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	247,009	0	0	0	0	0	0	0	0.00	
1/19 through 12/19	31,227	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	181,374	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	112,684	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	589,357	0	0	0	0	0	0	0	0.00	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		1%	0.000	2%	0.000	0.00				
Pure Premium Indicated by National Relativity		44%	1.542	47%	0.891	2.43				
Pure Premium Present on Rate Level		55%	1.355	51%	0.897	2.25				
Pure Premium Derived by Formula		1.424			0.876		2.30			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6236		OIL OR GAS WELL: INSTALLATION OR RECOVERY OF CASING & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		12%	1.365	13%	0.784	2.15			
Pure Premium Present on Rate Level		88%	1.389	87%	0.910	2.30			
Pure Premium Derived by Formula		1.386			0.894			2.28	

CLASS 6237		OIL OR GAS WELL: INSTRUMENT LOGGING OR SURVEY WORK & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	20,659	0	0	0	0	0	0	0	0.00
1/18 through 12/18	215,286	0	0	0	0	0	0	0	0.00
1/19 through 12/19	274,987	0	0	0	0	0	0	0	0.00
1/20 through 12/20	17,741	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	528,673	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.000	0.00			
Pure Premium Indicated by National Relativity		18%	0.524	20%	0.304	0.83			
Pure Premium Present on Rate Level		81%	0.408	79%	0.238	0.65			
Pure Premium Derived by Formula		0.425			0.249			0.67	

CLASS 6251		TUNNELING-ALL OPERATIONS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	39,011	0	0	0	0	0	0	0	0.00
1/19 through 12/19	51,307	0	0	0	0	0	0	0	0.00
1/20 through 12/20	94,911	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	185,229	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.000	0.00			
Pure Premium Indicated by National Relativity		16%	2.154	17%	1.201	3.36			
Pure Premium Present on Rate Level		83%	0.923	82%	0.615	1.54			
Pure Premium Derived by Formula		1.111			0.708			1.82	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6252		SHAFT SINKING-ALL OPERATIONS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,007,377	0	0	0	0	0	0	0	0.00
1/18 through 12/18	759,952	0	0	0	0	0	0	0	0.00
1/19 through 12/19	2,032,601	0	0	0	0	0	0	0	0.00
1/20 through 12/20	3,083,106	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,808,877	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	8,691,913	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		4%	0.000	5%	0.000			0.00	
Pure Premium Indicated by National Relativity		17%	1.555	18%	0.946			2.50	
Pure Premium Present on Rate Level		79%	0.789	77%	0.494			1.28	
Pure Premium Derived by Formula		0.888			0.551		1.44		

CLASS 6306		SEWER CONSTRUCTION-ALL OPERATIONS & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	120,270,671	7	262,364	23	521,550	731,477	549,457	2,064,848	1.72
1/18 through 12/18	148,408,082	4	324,555	39	773,228	187,858	631,936	1,917,577	1.29
1/19 through 12/19	157,141,078	4	196,343	25	672,783	422,329	618,545	1,910,000	1.22
1/20 through 12/20	177,540,036	6	347,354	39	1,422,513	582,556	901,301	3,253,724	1.83
1/21 through 12/21	184,412,670	4	210,442	30	1,077,816	169,990	1,217,544	2,675,792	1.45
5 YR. TOTAL	787,772,537	25	1,341,058	156	4,467,890	2,094,210	3,918,783	11,821,941	1.50
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		40%	0.737	62%	0.763			1.50	
Pure Premium Indicated by National Relativity		30%	1.146	19%	0.927			2.07	
Pure Premium Present on Rate Level		30%	0.944	19%	0.869			1.81	
Pure Premium Derived by Formula		0.922			0.814		1.74		

CLASS 6319		GAS MAIN OR CONNECTION CONSTRUCTION & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	115,102,181	8	602,233	10	627,427	352,280	229,554	1,811,494	1.57
1/18 through 12/18	130,469,487	0	0	18	519,900	0	958,218	1,478,118	1.13
1/19 through 12/19	146,354,523	5	562,198	23	533,778	523,138	587,628	2,206,742	1.51
1/20 through 12/20	146,701,482	2	198,013	18	1,035,262	59,614	720,672	2,013,561	1.37
1/21 through 12/21	171,688,928	1	112,673	18	1,179,465	82,903	756,072	2,131,113	1.24
5 YR. TOTAL	710,316,601	16	1,475,117	87	3,895,832	1,017,935	3,252,144	9,641,028	1.36
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		34%	0.756	50%	0.601			1.36	
Pure Premium Indicated by National Relativity		33%	0.760	25%	0.620			1.38	
Pure Premium Present on Rate Level		33%	0.753	25%	0.623			1.38	
Pure Premium Derived by Formula		0.756			0.611		1.37		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6325		CONDUIT CONSTRUCTION-FOR CABLES OR WIRES-& DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	57,843,219	0	0	7	109,401	0	134,520	243,921	0.42
1/18 through 12/18	81,161,557	2	88,580	12	140,418	113,103	204,698	546,799	0.67
1/19 through 12/19	91,585,938	7	858,150	14	377,095	806,015	469,978	2,511,238	2.74
1/20 through 12/20	106,211,058	3	232,335	18	988,738	112,682	759,263	2,093,018	1.97
1/21 through 12/21	109,766,970	5	436,895	11	316,948	307,662	379,109	1,440,614	1.31
5 YR. TOTAL	446,568,742	17	1,615,960	62	1,932,600	1,339,462	1,947,568	6,835,590	1.53
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		28%	0.795	41%	0.736	1.53			
Pure Premium Indicated by National Relativity		36%	0.999	29%	0.710	1.71			
Pure Premium Present on Rate Level		36%	0.807	30%	0.674	1.48			
Pure Premium Derived by Formula		0.873			0.710		1.58		

CLASS 6400		FENCE INSTALLATION AND REPAIR - METAL, VINYL, WOOD, OR PREFABRICATED CONCRETE PANEL FENCE INSTALLED BY HAND							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	40,648,043	2	34,693	6	50,033	11,881	72,425	169,032	0.42
1/18 through 12/18	43,035,321	3	298,599	12	157,068	157,582	189,679	802,928	1.87
1/19 through 12/19	49,223,567	0	0	15	272,914	0	278,896	551,810	1.12
1/20 through 12/20	54,758,517	3	192,912	16	193,587	181,758	220,144	788,401	1.44
1/21 through 12/21	63,300,224	2	147,077	14	369,005	137,851	332,163	986,096	1.56
5 YR. TOTAL	250,965,672	10	673,281	63	1,042,607	489,072	1,093,307	3,298,267	1.32
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	0.684	34%	0.631	1.32			
Pure Premium Indicated by National Relativity		38%	1.058	33%	0.874	1.93			
Pure Premium Present on Rate Level		39%	0.988	33%	0.788	1.78			
Pure Premium Derived by Formula		0.945			0.763		1.71		

CLASS 6503		POTATO CHIP, POPCORN & SNACK CHIP MFG. NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	33,618,109	5	126,479	10	373,687	119,884	235,480	855,530	2.55
1/18 through 12/18	31,421,309	2	84,975	10	187,565	17,530	139,170	429,240	1.37
1/19 through 12/19	36,632,035	1	4,713	5	142,832	4,552	73,846	225,943	0.62
1/20 through 12/20	41,074,260	1	84,728	6	208,831	34,974	163,927	492,460	1.20
1/21 through 12/21	43,829,970	1	222,072	7	184,300	60,211	115,511	582,094	1.33
5 YR. TOTAL	186,575,683	10	522,967	38	1,097,215	237,151	727,934	2,585,267	1.39
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.868	21%	0.517	1.39			
Pure Premium Indicated by National Relativity		43%	0.446	39%	0.399	0.85			
Pure Premium Present on Rate Level		43%	0.536	40%	0.410	0.95			
Pure Premium Derived by Formula		0.544			0.428		0.97		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6504		FOOD PRODUCTS MFG. NOC								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	203,829,944	8	376,794	63	996,230	331,959	1,042,271	2,747,254	1.35	
1/18 through 12/18	183,656,900	14	285,434	50	852,790	140,710	705,117	1,984,051	1.08	
1/19 through 12/19	188,494,438	12	668,851	40	623,341	219,225	725,608	2,237,025	1.19	
1/20 through 12/20	216,837,035	6	72,024	76	1,169,219	146,922	1,200,861	2,589,026	1.19	
1/21 through 12/21	217,829,031	4	141,602	63	1,911,384	106,640	1,760,499	3,920,125	1.80	
5 YR. TOTAL	1,010,647,348	44	1,544,705	292	5,552,964	945,456	5,434,356	13,477,481	1.33	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		35%	0.702	58%	0.631	1.33				
Pure Premium Indicated by National Relativity		32%	0.569	21%	0.504	1.07				
Pure Premium Present on Rate Level		33%	0.597	21%	0.591	1.19				
Pure Premium Derived by Formula		0.625			0.596		1.22			

CLASS 6811		BOAT BUILDING-WOOD-NOC & DRIVERS								
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	3,085,429	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	2,324,736	0	0	0	0	0	589	589	0.03	
1/19 through 12/19	1,639,830	0	0	1	1,177	0	1,345	2,522	0.15	
1/20 through 12/20	719,206	0	0	1	4,704	0	823	5,527	0.77	
1/21 through 12/21	647,245	0	0	0	0	0	468	468	0.07	
5 YR. TOTAL	8,416,446	0	0	2	5,881	0	3,225	9,106	0.11	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		4%	0.070	7%	0.038	0.11				
Pure Premium Indicated by National Relativity		6%	0.740	6%	0.726	1.47				
Pure Premium Present on Rate Level		90%	1.089	87%	1.074	2.16				
Pure Premium Derived by Formula		1.027			0.981		2.01			

CLASS 6834		BOAT BUILDING OR REPAIR & DRIVERS								
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	62,311,431	4	189,800	10	214,448	294,902	93,646	792,796	1.27	
1/18 through 12/18	70,884,841	0	0	21	266,150	0	250,167	516,317	0.73	
1/19 through 12/19	75,105,185	2	23,566	18	437,506	48,418	314,107	823,597	1.10	
1/20 through 12/20	79,850,729	4	195,835	26	488,692	122,511	409,122	1,216,160	1.52	
1/21 through 12/21	116,133,346	1	60,636	21	558,880	19,149	232,767	871,432	0.75	
5 YR. TOTAL	404,285,532	11	469,837	96	1,965,676	484,980	1,299,809	4,220,302	1.04	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		23%	0.602	36%	0.441	1.04				
Pure Premium Indicated by National Relativity		38%	0.636	32%	0.535	1.17				
Pure Premium Present on Rate Level		39%	0.638	32%	0.581	1.22				
Pure Premium Derived by Formula		0.629			0.516		1.15			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6836		MARINA & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	15,894,547	1	35,515	1	1,645	55,451	12,522	105,133	0.66
1/18 through 12/18	17,424,728	0	0	4	43,359	0	50,644	94,003	0.54
1/19 through 12/19	17,879,408	1	32,066	3	30,524	18,458	37,491	118,539	0.66
1/20 through 12/20	22,528,805	0	0	6	9,815	0	32,139	41,954	0.19
1/21 through 12/21	28,874,042	0	0	4	10,282	0	26,970	37,252	0.13
5 YR. TOTAL	102,601,530	2	67,581	18	95,625	73,909	159,766	396,881	0.39
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	0.159	21%	0.228	0.39			
Pure Premium Indicated by National Relativity		44%	0.794	39%	0.620	1.41			
Pure Premium Present on Rate Level		44%	0.687	40%	0.731	1.42			
Pure Premium Derived by Formula		0.671				0.582		1.25	

CLASS 6854		SHIP BUILDING-IRON OR STEEL-NOC & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		10%	1.238	10%	1.175	2.41			
Pure Premium Present on Rate Level		90%	1.333	90%	0.993	2.33			
Pure Premium Derived by Formula		1.324				1.011		2.34	

CLASS 6882		SHIP REPAIR CONVERSION-ALL OPERATIONS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		8%	0.417	8%	0.373	0.79			
Pure Premium Present on Rate Level		92%	0.712	92%	0.660	1.37			
Pure Premium Derived by Formula		0.688				0.637		1.33	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 6884		PAINTING-SHIP HULLS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,641,563	0	0	0	0	0	0	0	0.00
1/18 through 12/18	2,571,218	0	0	0	0	0	0	0	0.00
1/19 through 12/19	2,326,543	0	0	0	0	0	0	0	0.00
1/20 through 12/20	2,787,709	0	0	0	0	0	0	0	0.00
1/21 through 12/21	4,791,746	0	0	1	142,510	0	72,326	214,836	4.48
5 YR. TOTAL	15,118,779	0	0	1	142,510	0	72,326	214,836	1.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.943	7%	0.478	1.42			
Pure Premium Indicated by National Relativity		4%	0.494	4%	0.285	0.78			
Pure Premium Present on Rate Level		91%	0.945	89%	0.535	1.48			
Pure Premium Derived by Formula		0.927			0.521			1.45	

CLASS 7016 + +		VESSELS-NOC-PROGRAM I							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	1.138	100%	0.685	1.82			
Pure Premium Derived by Formula		1.138			0.685			1.82	

CLASS 7024		VESSELS-NOC-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	134,426	0	0	0	0	0	0	0	0.00
1/18 through 12/18	370,391	0	0	0	0	0	0	0	0.00
1/19 through 12/19	539,529	0	0	1	764	0	13,924	14,688	2.72
1/20 through 12/20	271,743	0	0	0	0	0	0	0	0.00
1/21 through 12/21	533,912	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,850,001	0	0	1	764	0	13,924	14,688	0.79
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.041	3%	0.753	0.79			
Pure Premium Indicated by National Relativity		12%	1.910	13%	0.580	2.49			
Pure Premium Present on Rate Level		86%	1.262	84%	0.761	2.02			
Pure Premium Derived by Formula		1.315			0.737			2.05	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS		BOAT LIVERY-BOATS UNDER 15 TONS-PROGRAM I							
7038 + +									
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	0.872	100%	2.043	2.92			
Pure Premium Derived by Formula		0.872			2.043			2.92	

CLASS		VESSELS-NOT SELF-PROPELLED-PROGRAM I							
7046 + +									
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	1.415	100%	1.225	2.64			
Pure Premium Derived by Formula		1.415			1.225			2.64	

CLASS		VESSELS-NOC-PROGRAM II-USL ACT							
7047 + +									
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	1.722	100%	1.196	2.92			
Pure Premium Derived by Formula		1.722			1.196			2.92	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7050 ++		BOAT LIVERY-BOATS UNDER 15 TONS-PROGRAM II-USL ACT							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	3.026	100%	1.075	4.10			
Pure Premium Derived by Formula		3.026			1.075			4.10	

CLASS 7090		BOAT LIVERY-BOATS UNDER 15 TONS-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	22,670	0	0	0	0	0	0	0	0.00
1/18 through 12/18	13,015	0	0	0	0	0	0	0	0.00
1/19 through 12/19	143,852	1	21,460	0	0	56,774	0	78,234	54.39
1/20 through 12/20	115,650	0	0	0	0	0	0	0	0.00
1/21 through 12/21	124,466	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	419,653	1	21,460	0	0	56,774	0	78,234	18.64
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	5.114	2%	13.529	18.64			
Pure Premium Indicated by National Relativity		8%	1.200	8%	1.402	2.60			
Pure Premium Present on Rate Level		91%	0.966	90%	2.262	3.23			
Pure Premium Derived by Formula		1.026			2.419			3.45	

CLASS 7098		VESSELS-NOT SELF-PROPELLED-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,000	0	0	0	0	0	0	0	0.00
1/18 through 12/18	1,000	0	0	0	0	0	0	0	0.00
1/19 through 12/19	1,000	0	0	0	0	0	0	0	0.00
1/20 through 12/20	1,000	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,000	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	5,000	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		3%	1.915	3%	4.279	6.19			
Pure Premium Present on Rate Level		97%	1.573	97%	1.362	2.94			
Pure Premium Derived by Formula		1.583			1.450			3.03	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS		VESSELS-NOT SELF-PROPELLED-PROGRAM II-USL ACT							
7099 ++									
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		0%	0.000	0%	0.000			0.00	
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000			0.00	
Pure Premium Present on Rate Level		100%	2.501	100%	2.292			4.79	
Pure Premium Derived by Formula							2.292	4.79	

CLASS		RAILROAD OPERATION: NOC-ALL EMPLOYEES & DRIVERS							
7133									
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,869,040	0	0	0	0	0	122	122	0.00
1/18 through 12/18	3,193,348	0	0	0	0	0	2,656	2,656	0.08
1/19 through 12/19	2,876,499	0	0	2	8,238	0	11,607	19,845	0.69
1/20 through 12/20	3,329,467	0	0	2	2,393	0	9,902	12,295	0.37
1/21 through 12/21	2,375,325	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	14,643,679	0	0	4	10,631	0	24,287	34,918	0.24
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		5%	0.073	9%	0.166			0.24	
Pure Premium Indicated by National Relativity		17%	0.646	19%	0.587			1.23	
Pure Premium Present on Rate Level		78%	0.735	72%	0.873			1.61	
Pure Premium Derived by Formula							0.755	1.44	

CLASS		TRUCKING: NOC-ALL EMPLOYEES & DRIVERS							
7219									
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,577,486,053	167	13,246,311	705	25,422,676	8,404,139	13,980,896	61,054,022	3.87
1/18 through 12/18	1,633,513,344	150	11,967,699	716	27,797,372	6,801,293	16,307,055	62,873,419	3.85
1/19 through 12/19	1,755,371,510	162	15,807,655	634	23,947,556	9,179,976	13,818,516	62,753,703	3.58
1/20 through 12/20	1,890,409,123	184	23,025,857	723	33,725,394	12,931,673	17,982,455	87,665,379	4.64
1/21 through 12/21	2,095,973,249	201	26,271,069	719	37,367,707	12,411,844	20,925,327	96,975,947	4.63
5 YR. TOTAL	8,952,753,279	864	90,318,591	3,497	148,260,705	49,728,925	83,014,249	371,322,470	4.15
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		100%	2.665	100%	1.483			4.15	
Pure Premium Indicated by National Relativity		0%	2.383	0%	1.292			3.68	
Pure Premium Present on Rate Level		0%	2.486	0%	1.427			3.91	
Pure Premium Derived by Formula							1.483	4.15	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7222		TRUCKING: OIL FIELD EQUIPMENT-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	60,499	0	0	0	0	0	0	0	0.00
1/19 through 12/19	6,028	0	0	0	0	0	0	0	0.00
1/20 through 12/20	111,975	0	0	0	0	0	0	0	0.00
1/21 through 12/21	34,356	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	212,858	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.000	0.00			
Pure Premium Indicated by National Relativity		23%	2.376	25%	1.292	3.67			
Pure Premium Present on Rate Level		76%	2.421	74%	1.255	3.68			
Pure Premium Derived by Formula			2.386		1.252	3.64			

CLASS 7225		AUTOMOBILE TOWING & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	21,813,088	3	260,997	9	133,634	57,898	73,350	525,879	2.41
1/19 through 12/19	31,515,274	4	310,204	12	462,994	201,533	288,603	1,263,334	4.01
1/20 through 12/20	42,700,131	4	122,513	14	324,200	57,606	292,032	796,351	1.87
1/21 through 12/21	49,649,549	3	93,374	6	596,297	117,734	204,501	1,011,906	2.04
5 YR. TOTAL	145,678,042	14	787,088	41	1,517,125	434,771	858,486	3,597,470	2.47
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		27%	1.582	34%	0.888	2.47			
Pure Premium Indicated by National Relativity		36%	2.554	33%	1.499	4.05			
Pure Premium Present on Rate Level		37%	2.383	33%	1.397	3.78			
Pure Premium Derived by Formula			2.228		1.258	3.49			

CLASS 7230		TRUCKING: PARCEL OR PACKAGE DELIVERY-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	3,340,883	0	0	0	0	0	1,469	1,469	0.04
1/18 through 12/18	17,993,265	5	109,217	16	279,547	24,815	116,018	529,597	2.94
1/19 through 12/19	16,153,141	1	23,884	17	110,976	5,202	110,228	250,290	1.55
1/20 through 12/20	2,949,004	2	66,795	1	1,732	20,503	1,242	90,272	3.06
1/21 through 12/21	4,676,867	2	488,137	4	124,382	196,091	57,172	865,782	18.51
5 YR. TOTAL	45,113,160	10	688,033	38	516,637	246,611	286,129	1,737,410	3.85
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	2.670	19%	1.181	3.85			
Pure Premium Indicated by National Relativity		42%	2.481	40%	1.578	4.06			
Pure Premium Present on Rate Level		43%	2.367	41%	1.431	3.80			
Pure Premium Derived by Formula			2.460		1.442	3.90			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7231		MAIL, PARCEL OR PACKAGE DELIVERY AND COURIER OR MESSENGER SERVICE COMPANIES -- ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	82,885,827	27	897,968	66	1,098,900	543,223	661,113	3,201,204	3.86
1/18 through 12/18	104,012,012	16	932,340	81	1,852,748	577,250	924,900	4,287,238	4.12
1/19 through 12/19	160,329,720	28	1,543,316	175	3,676,463	452,185	2,041,887	7,713,851	4.81
1/20 through 12/20	279,969,199	39	2,040,167	303	5,275,370	973,534	3,172,417	11,461,488	4.09
1/21 through 12/21	320,459,883	41	1,891,087	310	5,844,600	955,712	3,435,242	12,126,641	3.78
5 YR. TOTAL	947,656,641	151	7,304,878	935	17,748,081	3,501,904	10,235,559	38,790,422	4.09
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		74%	2.644	92%	1.450	4.09			
Pure Premium Indicated by National Relativity		13%	2.865	4%	1.572	4.44			
Pure Premium Present on Rate Level		13%	2.749	4%	1.574	4.32			
Pure Premium Derived by Formula			2.686		1.460	4.15			

CLASS 7232		TRUCKING: MAIL PARCEL OR PACKAGE DELIVERY-UNDER CONTRACT WITH THE U.S. POSTAL SERVICE-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	39,623,883	8	689,985	28	1,137,474	294,030	439,680	2,561,169	6.46
1/18 through 12/18	47,479,870	3	204,418	31	1,366,551	53,386	600,563	2,224,918	4.69
1/19 through 12/19	52,616,468	6	929,848	30	1,217,510	475,443	401,669	3,024,470	5.75
1/20 through 12/20	48,115,980	7	328,519	26	1,080,743	207,186	432,368	2,048,816	4.26
1/21 through 12/21	52,912,378	7	987,011	25	1,506,356	362,800	753,341	3,609,508	6.82
5 YR. TOTAL	240,748,579	31	3,139,781	140	6,308,634	1,392,845	2,627,621	13,468,881	5.60
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		41%	3.925	46%	1.670	5.60			
Pure Premium Indicated by National Relativity		29%	3.048	27%	1.456	4.50			
Pure Premium Present on Rate Level		30%	3.361	27%	1.549	4.91			
Pure Premium Derived by Formula			3.501		1.580	5.08			

CLASS 7333 ++		DREDGING-ALL TYPES-PROGRAM I							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	0.850	100%	0.477	1.33			
Pure Premium Derived by Formula			0.850		0.477	1.33			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7335		DREDGING-ALL TYPES-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	213,593	0	0	0	0	0	0	0	0.00
1/18 through 12/18	238,145	0	0	0	0	0	0	0	0.00
1/19 through 12/19	233,620	0	0	0	0	0	0	0	0.00
1/20 through 12/20	200,000	0	0	0	0	0	0	0	0.00
1/21 through 12/21	648,600	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,533,958	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	2%	0.000	0.00			
Pure Premium Indicated by National Relativity		3%	0.387	3%	0.280	0.67			
Pure Premium Present on Rate Level		95%	0.941	95%	0.529	1.47			
Pure Premium Derived by Formula		0.906			0.511			1.42	

CLASS 7337 + +		DREDGING-ALL TYPES-PROGRAM II-USL ACT							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	1.806	100%	0.868	2.67			
Pure Premium Derived by Formula		1.806			0.868			2.67	

CLASS 7360		FREIGHT HANDLING NOC							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	49,387,942	2	42,892	17	159,211	50,449	162,812	415,364	0.84
1/18 through 12/18	43,815,450	2	12,305	13	795,744	16,426	374,326	1,198,801	2.74
1/19 through 12/19	43,119,122	3	335,409	15	336,577	103,872	231,653	1,007,511	2.34
1/20 through 12/20	51,632,415	3	557,535	22	380,812	377,625	583,692	1,899,664	3.68
1/21 through 12/21	120,683,632	3	90,357	36	1,004,067	48,085	946,046	2,088,555	1.73
5 YR. TOTAL	308,638,561	13	1,038,498	103	2,676,411	596,457	2,298,529	6,609,895	2.14
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		28%	1.204	41%	0.938	2.14			
Pure Premium Indicated by National Relativity		36%	1.334	29%	0.963	2.30			
Pure Premium Present on Rate Level		36%	1.224	30%	0.950	2.17			
Pure Premium Derived by Formula		1.258			0.949			2.21	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7370		TAXICAB CO.: ALL OTHER EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	16,154,500	4	167,705	6	40,252	136,390	43,116	387,463	2.40
1/18 through 12/18	17,991,129	1	2,073	7	348,410	1,946	237,443	589,872	3.28
1/19 through 12/19	18,866,699	2	26,739	7	108,310	25,909	72,011	232,969	1.24
1/20 through 12/20	16,698,840	4	173,196	4	123,741	87,385	94,483	478,805	2.87
1/21 through 12/21	22,983,829	8	317,090	4	22,554	148,346	19,760	507,750	2.21
5 YR. TOTAL	92,694,997	19	686,803	28	643,267	399,976	466,813	2,196,859	2.37
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	1.435	23%	0.935	2.37			
Pure Premium Indicated by National Relativity		42%	1.446	38%	1.129	2.58			
Pure Premium Present on Rate Level		42%	1.293	39%	0.976	2.27			
Pure Premium Derived by Formula			1.380		1.025	2.41			

CLASS 7380		DRIVERS, CHAUFFEURS, MESSENGERS AND THEIR HELPERS NOC-COMMERCIAL							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	856,987,616	62	3,950,788	347	8,988,375	1,905,825	6,478,640	21,323,628	2.49
1/18 through 12/18	946,723,718	72	4,238,205	373	7,740,311	2,118,025	5,840,011	19,936,552	2.11
1/19 through 12/19	970,804,210	80	6,803,340	356	9,556,136	3,819,934	6,361,949	26,541,359	2.73
1/20 through 12/20	1,046,368,601	76	5,519,455	399	10,592,081	3,996,577	7,686,822	27,794,935	2.66
1/21 through 12/21	1,156,060,455	81	5,752,747	381	11,761,699	2,671,050	6,745,695	26,931,191	2.33
5 YR. TOTAL	4,976,944,600	371	26,264,535	1,856	48,638,602	14,511,411	33,113,117	122,527,665	2.46
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	1.505	100%	0.957	2.46			
Pure Premium Indicated by National Relativity		0%	1.763	0%	1.135	2.90			
Pure Premium Present on Rate Level		0%	1.526	0%	1.021	2.55			
Pure Premium Derived by Formula			1.505		0.957	2.46			

CLASS 7382		BUS CO.: ALL OTHER EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	83,592,402	19	362,981	46	595,995	232,884	384,675	1,576,535	1.89
1/18 through 12/18	81,163,957	18	454,769	36	468,872	549,201	400,401	1,873,243	2.31
1/19 through 12/19	83,622,789	16	707,508	46	1,116,114	590,126	647,527	3,061,275	3.66
1/20 through 12/20	76,157,284	10	342,734	57	1,165,551	157,191	633,616	2,299,092	3.02
1/21 through 12/21	88,563,975	21	1,465,505	49	1,008,573	557,500	698,999	3,730,577	4.21
5 YR. TOTAL	413,100,407	84	3,333,497	234	4,355,105	2,086,902	2,765,218	12,540,722	3.04
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	1.861	49%	1.175	3.04			
Pure Premium Indicated by National Relativity		32%	1.385	25%	0.967	2.35			
Pure Premium Present on Rate Level		33%	1.371	26%	1.022	2.39			
Pure Premium Derived by Formula			1.547		1.083	2.63			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7390		BEER OR ALE DEALER-WHOLESALE & DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	94,183,809	7	240,971	45	588,965	161,110	529,093	1,520,139	1.61	
1/18 through 12/18	80,544,254	10	406,721	42	463,137	188,315	457,729	1,515,902	1.88	
1/19 through 12/19	92,751,090	9	554,082	35	571,801	295,650	712,919	2,134,452	2.30	
1/20 through 12/20	100,913,727	7	418,710	45	535,318	286,090	491,294	1,731,412	1.72	
1/21 through 12/21	109,265,477	2	54,103	39	710,125	48,415	686,641	1,499,284	1.37	
5 YR. TOTAL	477,658,357	35	1,674,587	206	2,869,346	979,580	2,877,676	8,401,189	1.76	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		32%	0.951	45%	0.808	1.76				
Pure Premium Indicated by National Relativity		34%	1.121	27%	0.764	1.89				
Pure Premium Present on Rate Level		34%	0.986	28%	0.746	1.73				
Pure Premium Derived by Formula		1.021			0.779		1.80			

CLASS 7394 + +		DIVING, SALVAGE, WRECKING-MARINE-PROGRAM I								
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00	
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		0%	0.000	0%	0.000	0.00				
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00				
Pure Premium Present on Rate Level		100%	1.217	100%	0.559	1.78				
Pure Premium Derived by Formula		1.217			0.559		1.78			

CLASS 7395		DIVING, SALVAGE, WRECKING-MARINE-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING								
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	219,533	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	269,734	0	0	0	0	0	0	0	0.00	
1/19 through 12/19	62,549	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	1,184,239	0	0	1	506,695	0	79,034	585,729	49.46	
1/21 through 12/21	16,840	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	1,752,895	0	0	1	506,695	0	79,034	585,729	33.42	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		2%	28.906	2%	4.509	33.42				
Pure Premium Indicated by National Relativity		6%	0.348	6%	0.816	1.16				
Pure Premium Present on Rate Level		92%	1.348	92%	0.620	1.97				
Pure Premium Derived by Formula		1.839			0.710		2.55			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7398 ++		DIVING, SALVAGE, WRECKING-MARINE-PROGRAM II-USL ACT							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	1.768	100%	1.075	2.84			
Pure Premium Derived by Formula		1.768			1.075			2.84	

CLASS 7402		AVIATION-AIR TRAFFIC CONTROLLERS UNDER CONTRACT WITH THE FAA							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,773,556	0	0	0	0	0	0	0	0.00
1/18 through 12/18	4,309,754	0	0	0	0	0	0	0	0.00
1/19 through 12/19	3,246,007	0	0	0	0	0	0	0	0.00
1/20 through 12/20	3,005,981	0	0	0	0	0	0	0	0.00
1/21 through 12/21	2,944,073	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	16,279,371	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.000	0.00			
Pure Premium Indicated by National Relativity		4%	0.027	4%	0.009	0.04			
Pure Premium Present on Rate Level		95%	0.030	95%	0.016	0.05			
Pure Premium Derived by Formula		0.030			0.016			0.05	

CLASS 7403		AVIATION: ALL OTHER EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	606,622,792	33	2,711,331	276	5,457,698	1,303,793	4,091,982	13,564,804	2.24
1/18 through 12/18	691,419,289	35	1,705,118	258	5,550,195	875,550	3,443,761	11,574,624	1.67
1/19 through 12/19	715,389,454	28	1,925,642	241	6,130,550	838,605	4,115,628	13,010,425	1.82
1/20 through 12/20	549,372,849	43	3,085,915	222	4,242,569	1,785,814	2,790,559	11,904,857	2.17
1/21 through 12/21	599,727,726	45	2,432,346	253	4,040,143	998,062	3,021,204	10,491,755	1.75
5 YR. TOTAL	3,162,532,110	184	11,860,352	1,250	25,421,155	5,801,824	17,463,134	60,546,465	1.92
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		87%	1.179	100%	0.736	1.92			
Pure Premium Indicated by National Relativity		6%	1.058	0%	0.690	1.75			
Pure Premium Present on Rate Level		7%	1.142	0%	0.737	1.88			
Pure Premium Derived by Formula		1.169			0.736			1.91	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7405		AVIATION: AIR CARRIER - SCHEDULED, COMMUTER OR SUPPLEMENTAL - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	671,186,526	21	1,557,573	142	2,834,856	997,521	1,773,079	7,163,029	1.07
1/18 through 12/18	675,145,665	23	1,465,206	137	1,913,531	608,423	1,057,588	5,044,748	0.75
1/19 through 12/19	639,578,605	7	524,931	103	2,278,351	244,333	1,301,129	4,348,744	0.68
1/20 through 12/20	559,753,568	12	970,166	70	1,928,056	339,520	769,944	4,007,686	0.72
1/21 through 12/21	743,185,593	21	1,693,964	106	2,058,778	510,090	1,075,423	5,338,255	0.72
5 YR. TOTAL	3,288,849,957	84	6,211,840	558	11,013,572	2,699,887	5,977,163	25,902,462	0.79
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		57%	0.524	69%	0.264	0.79			
Pure Premium Indicated by National Relativity		21%	0.339	15%	0.149	0.49			
Pure Premium Present on Rate Level		22%	0.468	16%	0.257	0.73			
Pure Premium Derived by Formula		0.473			0.246		0.72		

CLASS 7420		AVIATION: STUNT FLYING, RACING, OR PARACHUTE JUMPING FLYING CREW							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	66,914	0	0	0	0	0	0	0	0.00
1/18 through 12/18	364,261	0	0	0	0	0	0	0	0.00
1/19 through 12/19	308,345	0	0	0	0	0	0	0	0.00
1/20 through 12/20	2,321,002	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,581,250	1	98,125	4	83,187	145,186	20,396	346,894	21.94
5 YR. TOTAL	4,641,772	1	98,125	4	83,187	145,186	20,396	346,894	7.47
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	3.906	5%	3.567	7.47			
Pure Premium Indicated by National Relativity		11%	3.948	12%	1.259	5.21			
Pure Premium Present on Rate Level		84%	2.136	83%	0.846	2.98			
Pure Premium Derived by Formula		2.424			1.032		3.46		

CLASS 7421		AVIATION - TRANSPORTATION OF PERSONNEL IN CONDUCT OF EMPLOYER'S BUSINESS - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	38,505,916	0	0	4	33,798	0	44,508	78,306	0.20
1/18 through 12/18	41,157,352	0	0	1	1,472	0	17,358	18,830	0.05
1/19 through 12/19	43,870,950	0	0	0	0	0	2,295	2,295	0.01
1/20 through 12/20	44,260,477	0	0	1	5,163	0	9,437	14,600	0.03
1/21 through 12/21	48,029,116	0	0	0	0	0	16,211	16,211	0.03
5 YR. TOTAL	215,823,811	0	0	6	40,433	0	89,809	130,242	0.06
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.019	13%	0.042	0.06			
Pure Premium Indicated by National Relativity		19%	0.183	20%	0.096	0.28			
Pure Premium Present on Rate Level		71%	0.201	67%	0.143	0.34			
Pure Premium Derived by Formula		0.179			0.120		0.30		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7422		AVIATION:NOC - OTHER THAN HELICOPTERS - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	23,601,683	0	0	1	2,429	0	7,339	9,768	0.04
1/18 through 12/18	26,667,586	0	0	1	784	0	27,314	28,098	0.11
1/19 through 12/19	27,578,343	0	0	3	35,215	0	40,625	75,840	0.28
1/20 through 12/20	30,623,442	0	0	0	0	0	0	0	0.00
1/21 through 12/21	34,882,406	1	22,677	0	0	21,469	0	44,146	0.13
5 YR. TOTAL	143,353,460	1	22,677	5	38,428	21,469	75,278	157,852	0.11
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.043	13%	0.067	0.11			
Pure Premium Indicated by National Relativity		23%	0.321	25%	0.192	0.51			
Pure Premium Present on Rate Level		67%	0.348	62%	0.197	0.55			
Pure Premium Derived by Formula		0.311			0.179			0.49	

CLASS 7425		AVIATION: HELICOPTERS - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	9,467,122	0	0	1	436,399	0	62,223	498,622	5.27
1/18 through 12/18	11,312,051	0	0	1	3,361	0	27,891	31,252	0.28
1/19 through 12/19	13,037,836	0	0	3	22,187	0	13,079	35,266	0.27
1/20 through 12/20	13,362,920	0	0	0	0	0	3,782	3,782	0.03
1/21 through 12/21	13,731,931	0	0	1	146,483	0	147,165	293,648	2.14
5 YR. TOTAL	60,911,860	0	0	6	608,430	0	254,140	862,570	1.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	0.999	9%	0.417	1.42			
Pure Premium Indicated by National Relativity		33%	0.860	35%	0.347	1.21			
Pure Premium Present on Rate Level		58%	0.691	56%	0.255	0.95			
Pure Premium Derived by Formula		0.774			0.302			1.08	

CLASS 7431		AVIATION: AIR CHARTER OR AIR TAXI - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	51,662,472	0	0	0	0	0	7,205	7,205	0.01
1/18 through 12/18	58,347,826	1	34,388	2	40,037	9,770	73,520	157,715	0.27
1/19 through 12/19	62,304,370	0	0	3	552,340	0	134,255	686,595	1.10
1/20 through 12/20	89,202,826	1	100,248	0	0	0	10,711	110,959	0.12
1/21 through 12/21	90,118,867	3	21,031	1	9,531	15,853	5,160	51,575	0.06
5 YR. TOTAL	351,636,361	5	155,667	6	601,908	25,623	230,851	1,014,049	0.29
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	0.215	19%	0.073	0.29			
Pure Premium Indicated by National Relativity		24%	0.333	26%	0.108	0.44			
Pure Premium Present on Rate Level		59%	0.377	55%	0.177	0.55			
Pure Premium Derived by Formula		0.339			0.139			0.48	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7502		GAS COMPANY: GAS CO.-NATURAL GAS-LOCAL DISTRIBUTION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,583,778	0	0	1	6,381	0	6,132	12,513	0.48
1/18 through 12/18	6,472,689	0	0	3	38,736	0	21,032	59,768	0.92
1/19 through 12/19	6,942,504	0	0	0	0	0	2,151	2,151	0.03
1/20 through 12/20	7,023,401	1	12,067	5	39,445	9,228	44,879	105,619	1.50
1/21 through 12/21	3,624,060	0	0	1	11,507	0	19,020	30,527	0.84
5 YR. TOTAL	26,646,432	1	12,067	10	96,069	9,228	93,214	210,578	0.79
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.406	7%	0.384	0.79			
Pure Premium Indicated by National Relativity		42%	0.648	45%	0.476	1.12			
Pure Premium Present on Rate Level		53%	0.487	48%	0.371	0.86			
Pure Premium Derived by Formula		0.551			0.419		0.97		

CLASS 7515		OIL OR GAS PIPELINE OPERATION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	25,109,295	0	0	1	30,118	0	26,151	56,269	0.22
1/18 through 12/18	26,330,327	1	3,575	2	40,538	0	55,378	99,491	0.38
1/19 through 12/19	26,172,189	0	0	2	271,043	0	316,603	587,646	2.25
1/20 through 12/20	25,241,844	0	0	2	100,233	0	67,990	168,223	0.67
1/21 through 12/21	26,057,849	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	128,911,504	1	3,575	7	441,932	0	466,122	911,629	0.71
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	0.346	12%	0.362	0.71			
Pure Premium Indicated by National Relativity		35%	0.286	38%	0.181	0.47			
Pure Premium Present on Rate Level		56%	0.286	50%	0.210	0.50			
Pure Premium Derived by Formula		0.291			0.217		0.51		

CLASS 7520		WATERWORKS OPERATION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	46,423,471	2	107,627	10	88,903	120,564	115,785	432,879	0.93
1/18 through 12/18	47,547,185	1	191,267	8	67,130	44,583	119,967	422,947	0.89
1/19 through 12/19	50,636,143	0	0	6	64,832	0	63,411	128,243	0.25
1/20 through 12/20	50,075,218	1	618	7	239,804	0	114,575	354,997	0.71
1/21 through 12/21	54,000,226	3	92,128	5	92,081	62,331	74,838	321,378	0.60
5 YR. TOTAL	248,682,243	7	391,640	36	552,750	227,478	488,576	1,660,444	0.67
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.380	26%	0.288	0.67			
Pure Premium Indicated by National Relativity		41%	0.694	37%	0.552	1.25			
Pure Premium Present on Rate Level		41%	0.631	37%	0.485	1.12			
Pure Premium Derived by Formula		0.612			0.459		1.07		

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** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7529		ELECTRIC LIGHT OR POWER LINE CONSTRUCTION-REA PROJECT ONLY & DRIVERS								
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	5,297,884	0	0	3	33,151	0	31,498	64,649	1.22	
1/18 through 12/18	5,203,045	0	0	4	569,731	0	172,234	741,965	14.26	
1/19 through 12/19	4,905,144	0	0	0	0	0	693	693	0.01	
1/20 through 12/20	4,145,508	0	0	0	0	0	2,879	2,879	0.07	
1/21 through 12/21	3,946,156	0	0	2	86,281	0	241,015	327,296	8.29	
5 YR. TOTAL	23,497,737	0	0	9	689,163	0	448,319	1,137,482	4.84	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		11%	2.933	15%	1.908	4.84				
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00				
Pure Premium Present on Rate Level		89%	2.622	85%	1.578	4.20				
Pure Premium Derived by Formula		2.656			1.628		4.28			

CLASS 7538		ELECTRIC LIGHT OR POWER LINE CONSTRUCTION & DRIVERS								
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	205,494,208	5	388,405	27	1,462,347	184,464	1,827,726	3,862,942	1.88	
1/18 through 12/18	267,375,137	6	510,612	26	1,641,671	314,361	1,409,492	3,876,136	1.45	
1/19 through 12/19	196,851,230	4	326,886	19	674,748	172,009	486,105	1,659,748	0.84	
1/20 through 12/20	231,822,739	2	73,876	23	1,281,459	74,628	781,903	2,211,866	0.95	
1/21 through 12/21	269,459,115	9	888,078	23	1,897,983	856,891	834,623	4,477,575	1.66	
5 YR. TOTAL	1,171,002,429	26	2,187,857	118	6,958,208	1,602,353	5,339,849	16,088,267	1.37	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		42%	0.781	63%	0.593	1.37				
Pure Premium Indicated by National Relativity		29%	0.627	18%	0.530	1.16				
Pure Premium Present on Rate Level		29%	0.728	19%	0.592	1.32				
Pure Premium Derived by Formula		0.721			0.581		1.30			

CLASS 7539		ELECTRIC LIGHT OR POWER CO. NOC-ALL EMPLOYEES & DRIVERS								
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	70,982,776	3	299,884	10	127,465	325,566	143,313	896,228	1.26	
1/18 through 12/18	79,442,944	0	0	6	115,140	0	83,465	198,605	0.25	
1/19 through 12/19	84,963,196	1	187,014	4	77,010	44,279	68,818	377,121	0.44	
1/20 through 12/20	69,630,268	0	0	1	8,348	0	16,876	25,224	0.04	
1/21 through 12/21	106,180,878	1	111,135	1	45,405	520,022	46,526	723,088	0.68	
5 YR. TOTAL	411,200,062	5	598,033	22	373,368	889,867	358,998	2,220,266	0.54	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		18%	0.236	26%	0.304	0.54				
Pure Premium Indicated by National Relativity		41%	0.463	37%	0.329	0.79				
Pure Premium Present on Rate Level		41%	0.392	37%	0.285	0.68				
Pure Premium Derived by Formula		0.393			0.306		0.70			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7540		ELECTRIC LIGHT OR POWER COOPERATIVE-REA PROJECT ONLY-ALL EMPLOYEES & DRIVERS								
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	102,981,128	3	105,907	33	1,437,095	83,107	986,451	2,612,560	2.54	
1/18 through 12/18	110,886,246	2	40,744	25	1,064,630	67,030	768,747	1,941,151	1.75	
1/19 through 12/19	110,134,608	2	359,819	25	789,928	185,519	676,013	2,011,279	1.83	
1/20 through 12/20	120,055,604	1	8,246	20	1,505,717	10,274	925,014	2,449,251	2.04	
1/21 through 12/21	120,968,537	3	336,893	23	1,386,307	199,366	859,166	2,781,732	2.30	
5 YR. TOTAL	565,026,123	11	851,609	126	6,183,677	545,296	4,215,391	11,795,973	2.09	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		33%	1.245	51%	0.843	2.09				
Pure Premium Indicated by National Relativity		33%	0.795	24%	0.614	1.41				
Pure Premium Present on Rate Level		34%	0.900	25%	0.825	1.73				
Pure Premium Derived by Formula		0.979			0.784		1.76			

CLASS 7580		SEWAGE DISPOSAL PLANT OPERATION & DRIVERS								
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	28,516,157	0	0	6	73,065	0	57,453	130,518	0.46	
1/18 through 12/18	33,259,199	1	45,277	5	196,223	88,299	155,096	484,895	1.46	
1/19 through 12/19	35,301,643	1	8,886	2	176,490	0	207,662	393,038	1.11	
1/20 through 12/20	35,746,679	0	0	7	190,472	0	176,385	366,857	1.03	
1/21 through 12/21	36,743,147	1	119,364	5	135,734	194,995	114,831	564,924	1.54	
5 YR. TOTAL	169,566,825	3	173,527	25	771,984	283,294	711,427	1,940,232	1.15	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		15%	0.558	23%	0.587	1.15				
Pure Premium Indicated by National Relativity		42%	0.744	38%	0.556	1.30				
Pure Premium Present on Rate Level		43%	0.642	39%	0.530	1.17				
Pure Premium Derived by Formula		0.672			0.553		1.23			

CLASS 7590		GARBAGE WORKS								
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	15,977,841	0	0	2	43,652	0	42,330	85,982	0.54	
1/18 through 12/18	20,914,822	2	6,660	4	214,498	4,117	72,835	298,110	1.43	
1/19 through 12/19	17,868,439	1	7,798	7	74,369	6,472	66,455	155,094	0.87	
1/20 through 12/20	18,247,390	1	38,955	3	83,787	0	114,239	236,981	1.30	
1/21 through 12/21	27,645,073	0	0	1	1,424	0	18,112	19,536	0.07	
5 YR. TOTAL	100,653,565	4	53,413	17	417,730	10,589	313,971	795,703	0.79	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		14%	0.468	20%	0.322	0.79				
Pure Premium Indicated by National Relativity		41%	1.135	40%	0.898	2.03				
Pure Premium Present on Rate Level		45%	0.919	40%	0.712	1.63				
Pure Premium Derived by Formula		0.944			0.708		1.65			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7600		TELECOMMUNICATIONS CO. - CABLE TV OR SATELLITE - ALL OTHER EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	478,389,175	38	3,659,524	179	4,677,758	1,430,626	2,793,451	12,561,359	2.63
1/18 through 12/18	496,913,876	38	4,044,915	184	4,088,527	2,258,590	2,749,656	13,141,688	2.65
1/19 through 12/19	491,985,903	23	2,308,611	148	5,425,147	750,661	2,876,453	11,360,872	2.31
1/20 through 12/20	488,296,899	25	3,117,502	111	3,194,175	1,420,963	2,132,639	9,865,279	2.02
1/21 through 12/21	510,436,171	35	3,492,737	84	3,137,740	1,644,380	2,415,967	10,690,824	2.09
5 YR. TOTAL	2,466,022,024	159	16,623,289	706	20,523,347	7,505,220	12,968,166	57,620,022	2.34
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		90%	1.506	100%	0.830	2.34			
Pure Premium Indicated by National Relativity		5%	1.436	0%	0.797	2.23			
Pure Premium Present on Rate Level		5%	1.554	0%	0.880	2.43			
Pure Premium Derived by Formula		1.505			0.830			2.34	

CLASS 7605		BURGLAR AND FIRE ALARM INSTALLATION OR REPAIR & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	207,326,276	12	245,751	24	508,746	231,661	373,194	1,359,352	0.66
1/18 through 12/18	212,405,167	5	266,995	34	1,328,348	349,873	913,972	2,859,188	1.35
1/19 through 12/19	217,931,739	8	697,036	34	1,248,845	245,439	666,713	2,858,033	1.31
1/20 through 12/20	214,255,497	4	428,636	29	1,000,694	222,258	747,441	2,399,029	1.12
1/21 through 12/21	252,222,036	6	690,068	28	489,385	642,811	469,321	2,291,585	0.91
5 YR. TOTAL	1,104,140,715	35	2,328,486	149	4,576,018	1,692,042	3,170,641	11,767,187	1.07
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	0.625	54%	0.440	1.07			
Pure Premium Indicated by National Relativity		31%	0.562	23%	0.456	1.02			
Pure Premium Present on Rate Level		31%	0.619	23%	0.472	1.09			
Pure Premium Derived by Formula		0.604			0.451			1.06	

CLASS 7610		RADIO OR TELEVISION BROADCASTING STATION-ALL EMPLOYEES & CLERICAL, DRIVERS							
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	485,035,527	3	72,510	9	121,905	47,880	168,898	411,193	0.09
1/18 through 12/18	454,638,096	3	140,728	14	358,734	190,521	320,015	1,009,998	0.22
1/19 through 12/19	512,990,149	3	222,220	27	685,050	78,969	543,495	1,529,734	0.30
1/20 through 12/20	553,023,052	2	25,617	11	242,760	21,391	229,347	519,115	0.09
1/21 through 12/21	787,064,336	2	218,313	35	1,754,932	107,721	1,230,886	3,311,852	0.42
5 YR. TOTAL	2,792,751,160	13	679,388	96	3,163,381	446,482	2,492,641	6,781,892	0.24
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		26%	0.138	37%	0.105	0.24			
Pure Premium Indicated by National Relativity		37%	0.136	31%	0.092	0.23			
Pure Premium Present on Rate Level		37%	0.111	32%	0.083	0.19			
Pure Premium Derived by Formula		0.127			0.094			0.22	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7705		AMBULANCE SERVICE COMPANIES AND EMS (EMERGENCY MEDICAL SERVICE) PROVIDERS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	28,187,872	3	71,845	10	212,760	111,440	212,747	608,792	2.16
1/18 through 12/18	32,015,248	1	41,152	9	111,034	56,598	90,185	298,969	0.93
1/19 through 12/19	31,999,374	5	126,357	13	276,240	301,525	226,917	931,039	2.91
1/20 through 12/20	35,390,074	1	170,265	22	469,815	54,960	323,840	1,018,880	2.88
1/21 through 12/21	37,470,034	1	14,902	8	72,445	0	132,695	220,042	0.59
5 YR. TOTAL	165,062,602	11	424,521	62	1,142,294	524,523	986,384	3,077,722	1.86
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	0.949	30%	0.915	1.86			
Pure Premium Indicated by National Relativity		39%	1.645	35%	1.123	2.77			
Pure Premium Present on Rate Level		40%	1.301	35%	0.988	2.29			
Pure Premium Derived by Formula			1.361		1.013	2.37			

CLASS 7710 + +		FIREFIGHTERS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	16,103,260	0	0	1	5,526	0	21,802	27,328	0.17
1/18 through 12/18	16,090,328	0	0	3	19,590	0	29,564	49,154	0.31
1/19 through 12/19	15,966,055	0	0	3	20,476	0	52,847	73,323	0.46
1/20 through 12/20	16,113,526	0	0	2	26,819	0	56,156	82,975	0.52
1/21 through 12/21	18,061,236	1	31,600	2	79,445	554,586	56,577	722,208	4.00
5 YR. TOTAL	82,334,405	1	31,600	11	151,856	554,586	216,946	954,988	1.16
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	0.223	19%	0.937	1.16			
Pure Premium Indicated by National Relativity		43%	1.401	40%	1.027	2.43			
Pure Premium Present on Rate Level		44%	0.919	41%	0.740	1.66			
Pure Premium Derived by Formula			1.036		0.892	1.93			

CLASS 7711 + +		FIREFIGHTERS & DRIVERS - VOLUNTEER							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,476,589	0	0	0	0	0	17,439	17,439	1.18
1/18 through 12/18	1,429,582	1	23,731	3	41,022	16,853	91,656	173,262	12.12
1/19 through 12/19	1,226,300	0	0	2	3,697	0	8,732	12,429	1.01
1/20 through 12/20	1,044,968	0	0	0	0	0	23,752	23,752	2.27
1/21 through 12/21	1,280,733	0	0	1	5,979	0	15,462	21,441	1.67
5 YR. TOTAL	6,458,172	1	23,731	6	50,698	16,853	157,041	248,323	3.85
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	1.152	5%	2.693	3.85			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		96%	0.919	95%	0.740	1.66			
Pure Premium Derived by Formula			0.928		0.838	1.77			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 7720		POLICE OFFICERS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	166,669,805	5	87,866	53	841,339	71,548	819,506	1,820,259	1.09
1/18 through 12/18	196,847,762	6	77,394	58	1,165,103	159,039	1,002,791	2,404,327	1.22
1/19 through 12/19	201,709,492	8	553,340	43	771,262	360,128	1,012,060	2,696,790	1.34
1/20 through 12/20	188,131,181	5	224,075	32	854,976	97,534	1,151,193	2,327,778	1.24
1/21 through 12/21	198,024,653	6	270,899	40	1,224,171	225,251	1,108,755	2,829,076	1.43
5 YR. TOTAL	951,382,893	30	1,213,574	226	4,856,851	913,500	5,094,305	12,078,230	1.27
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	0.638	59%	0.631	1.27			
Pure Premium Indicated by National Relativity		31%	0.828	20%	0.667	1.50			
Pure Premium Present on Rate Level		31%	0.713	21%	0.640	1.35			
Pure Premium Derived by Formula		0.720			0.640			1.36	

CLASS 7723		DETECTIVE OR PATROL AGENCY - PRIVATE & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	305,389,441	14	343,079	62	860,485	562,396	869,448	2,635,408	0.86
1/18 through 12/18	326,970,013	15	748,800	55	1,218,277	477,007	867,490	3,311,574	1.01
1/19 through 12/19	339,726,730	17	697,017	53	1,209,417	392,410	1,223,573	3,522,417	1.04
1/20 through 12/20	278,918,504	6	422,978	43	1,181,902	180,878	1,105,611	2,891,369	1.04
1/21 through 12/21	315,275,435	12	539,090	36	893,760	342,408	882,015	2,657,273	0.84
5 YR. TOTAL	1,566,280,123	64	2,750,964	249	5,363,841	1,955,099	4,948,137	15,018,041	0.96
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		39%	0.518	63%	0.441	0.96			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		61%	0.463	37%	0.442	0.91			
Pure Premium Derived by Formula		0.484			0.441			0.93	

CLASS 7855		RAILROAD CONSTRUCTION: LAYING OR RELAYING OF TRACKS OR MAINTENANCE OF WAY BY CONTRACTOR-NO WORK ON ELEVATED RAILROADS-& DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	7,419,811	0	0	0	0	0	1,487	1,487	0.02
1/18 through 12/18	5,967,836	1	126,917	2	34,053	77,870	10,030	248,870	4.17
1/19 through 12/19	6,596,527	0	0	0	0	0	0	0	0.00
1/20 through 12/20	4,035,276	0	0	1	10,764	0	5,677	16,441	0.41
1/21 through 12/21	4,983,153	0	0	4	108,937	0	34,758	143,695	2.88
5 YR. TOTAL	29,002,603	1	126,917	7	153,754	77,870	51,952	410,493	1.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.968	10%	0.448	1.42			
Pure Premium Indicated by National Relativity		26%	0.783	28%	0.686	1.47			
Pure Premium Present on Rate Level		67%	0.880	62%	0.582	1.46			
Pure Premium Derived by Formula		0.861			0.598			1.46	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8001		STORE: FLORIST & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	43,954,499	0	0	11	54,926	0	73,972	128,898	0.29
1/18 through 12/18	46,376,536	0	0	22	128,836	0	102,287	231,123	0.50
1/19 through 12/19	47,279,115	3	105,411	14	230,618	156,740	264,426	757,195	1.60
1/20 through 12/20	52,469,049	2	43,185	12	151,145	45,763	236,660	476,753	0.91
1/21 through 12/21	62,842,684	2	34,769	12	107,022	56,580	142,384	340,755	0.54
5 YR. TOTAL	252,921,883	7	183,365	71	672,547	259,083	819,729	1,934,724	0.77
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		16%	0.338	27%	0.427			0.77	
Pure Premium Indicated by National Relativity		42%	0.440	36%	0.451			0.89	
Pure Premium Present on Rate Level		42%	0.466	37%	0.502			0.97	
Pure Premium Derived by Formula					0.435			0.463	0.90

CLASS 8002		AUTOMOBILE RENTAL CO.: ALL OTHER EMPLOYEES & COUNTER PERSONNEL, DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	79,674,546	7	83,222	15	73,601	172,382	156,253	485,458	0.61
1/18 through 12/18	89,081,714	3	111,335	20	375,363	478,020	243,760	1,208,478	1.36
1/19 through 12/19	81,273,659	7	81,075	13	186,364	82,557	166,690	516,686	0.64
1/20 through 12/20	70,268,518	3	53,431	9	97,810	20,432	240,067	411,740	0.59
1/21 through 12/21	80,781,082	4	80,240	11	115,514	40,122	170,935	406,811	0.50
5 YR. TOTAL	401,079,519	24	409,303	68	848,652	793,513	977,705	3,029,173	0.76
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		17%	0.314	32%	0.442			0.76	
Pure Premium Indicated by National Relativity		41%	0.419	34%	0.385			0.80	
Pure Premium Present on Rate Level		42%	0.356	34%	0.442			0.80	
Pure Premium Derived by Formula					0.375			0.423	0.80

CLASS 8006		GASOLINE STATION: SELF-SERVICE AND CONVENIENCE/GROCERY-RETAIL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	637,301,807	41	1,184,655	187	2,371,722	992,426	1,936,311	6,485,114	1.02
1/18 through 12/18	689,937,929	40	1,394,131	204	2,943,431	789,396	2,291,676	7,418,634	1.08
1/19 through 12/19	741,488,109	39	1,538,140	172	2,284,356	666,353	2,166,856	6,655,705	0.90
1/20 through 12/20	759,480,935	26	1,730,586	151	2,496,797	1,501,314	1,980,864	7,709,561	1.02
1/21 through 12/21	914,264,310	39	2,331,895	165	2,671,067	924,153	2,267,589	8,194,704	0.90
5 YR. TOTAL	3,742,473,090	185	8,179,407	879	12,767,373	4,873,642	10,643,296	36,463,718	0.98
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		65%	0.560	96%	0.415			0.98	
Pure Premium Indicated by National Relativity		17%	0.393	2%	0.333			0.73	
Pure Premium Present on Rate Level		18%	0.528	2%	0.432			0.96	
Pure Premium Derived by Formula					0.526			0.414	0.94

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8008		STORE: CLOTHING, WEARING APPAREL OR DRY GOODS-RETAIL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	745,446,383	23	742,106	105	1,067,440	959,430	1,219,477	3,988,453	0.54
1/18 through 12/18	797,875,848	17	387,359	104	1,118,583	286,990	1,508,836	3,301,768	0.41
1/19 through 12/19	845,317,742	27	645,993	110	1,604,449	656,083	1,687,283	4,593,808	0.54
1/20 through 12/20	713,825,921	16	454,800	86	724,940	260,205	1,118,141	2,558,086	0.36
1/21 through 12/21	831,649,070	17	679,473	84	1,033,195	712,643	1,011,953	3,437,264	0.41
5 YR. TOTAL	3,934,114,964	100	2,909,731	489	5,548,607	2,875,351	6,545,690	17,879,379	0.45
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		44%	0.215	76%	0.239	0.45			
Pure Premium Indicated by National Relativity		28%	0.219	12%	0.218	0.44			
Pure Premium Present on Rate Level		28%	0.231	12%	0.258	0.49			
Pure Premium Derived by Formula		0.221			0.239		0.46		

CLASS 8010		STORE: HARDWARE							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	337,047,535	9	293,575	59	615,652	204,742	644,776	1,758,745	0.52
1/18 through 12/18	363,140,101	12	585,358	57	636,814	517,969	768,648	2,508,789	0.69
1/19 through 12/19	351,402,532	10	459,902	48	521,747	171,697	876,715	2,030,061	0.58
1/20 through 12/20	389,522,027	10	455,959	64	1,047,086	182,721	1,284,230	2,969,996	0.76
1/21 through 12/21	477,822,091	6	142,077	75	1,405,757	189,164	1,278,992	3,015,990	0.63
5 YR. TOTAL	1,918,934,286	47	1,936,871	303	4,227,056	1,266,293	4,853,361	12,283,581	0.64
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	0.321	62%	0.319	0.64			
Pure Premium Indicated by National Relativity		31%	0.391	19%	0.343	0.73			
Pure Premium Present on Rate Level		31%	0.354	19%	0.352	0.71			
Pure Premium Derived by Formula		0.353			0.330		0.68		

CLASS 8013		STORE: JEWELRY							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	248,283,304	4	92,753	5	68,028	28,065	77,701	266,547	0.11
1/18 through 12/18	247,976,726	1	9,461	10	117,568	0	176,251	303,280	0.12
1/19 through 12/19	230,554,448	2	195,420	6	97,274	123,707	59,423	475,824	0.21
1/20 through 12/20	268,900,012	1	59,524	4	71,823	153,633	40,927	325,907	0.12
1/21 through 12/21	305,738,558	3	206,666	4	42,192	107,078	60,927	416,863	0.14
5 YR. TOTAL	1,301,453,048	11	563,824	29	396,885	412,483	415,229	1,788,421	0.14
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.074	21%	0.064	0.14			
Pure Premium Indicated by National Relativity		43%	0.066	39%	0.052	0.12			
Pure Premium Present on Rate Level		43%	0.070	40%	0.062	0.13			
Pure Premium Derived by Formula		0.069			0.059		0.13		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8015		QUICK PRINTING-COPYING OR DUPLICATING SERVICE-ALL EMPLOYEES & CLERICAL, SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	51,996,202	1	66,561	3	32,116	46,637	53,068	198,382	0.38
1/18 through 12/18	52,012,416	0	0	6	165,274	0	142,283	307,557	0.59
1/19 through 12/19	53,489,098	2	59,364	4	45,813	60,477	78,244	243,898	0.46
1/20 through 12/20	51,654,053	0	0	5	34,851	0	45,535	80,386	0.16
1/21 through 12/21	58,523,371	1	2,202	5	95,039	2,171	59,082	158,494	0.27
5 YR. TOTAL	267,675,140	4	128,127	23	373,093	109,285	378,212	988,717	0.37
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		9%	0.187	15%		0.182		0.37	
Pure Premium Indicated by National Relativity		41%	0.163	42%		0.169		0.33	
Pure Premium Present on Rate Level		50%	0.152	43%		0.149		0.30	
Pure Premium Derived by Formula		0.160			0.162		0.32		

CLASS 8017		STORE: RETAIL NOC							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,676,103,060	55	2,287,159	280	4,077,981	1,663,998	4,178,942	12,208,080	0.73
1/18 through 12/18	1,672,588,705	42	1,418,258	269	3,452,965	1,303,140	3,851,962	10,026,325	0.60
1/19 through 12/19	1,717,563,778	44	1,417,678	243	3,449,189	1,109,046	3,754,513	9,730,426	0.57
1/20 through 12/20	1,750,201,726	53	2,661,736	220	3,820,668	1,564,486	4,065,988	12,112,878	0.69
1/21 through 12/21	1,889,616,198	42	2,296,640	224	3,605,024	1,190,848	3,946,676	11,039,188	0.58
5 YR. TOTAL	8,706,073,467	236	10,081,471	1,236	18,405,827	6,831,518	19,798,081	55,116,897	0.63
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		76%	0.327	100%		0.306		0.63	
Pure Premium Indicated by National Relativity		12%	0.293	0%		0.262		0.56	
Pure Premium Present on Rate Level		12%	0.308	0%		0.303		0.61	
Pure Premium Derived by Formula		0.321			0.306		0.63		

CLASS 8018		STORE: WHOLESALE NOC							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	926,347,287	47	1,677,176	300	3,889,204	817,846	3,921,654	10,305,880	1.11
1/18 through 12/18	1,005,783,698	55	2,070,307	377	5,428,266	958,876	4,275,652	12,733,101	1.27
1/19 through 12/19	1,113,071,427	50	2,546,131	379	5,807,728	1,077,151	4,462,443	13,893,453	1.25
1/20 through 12/20	1,681,243,587	95	5,326,023	522	10,656,496	2,286,736	7,081,827	25,351,082	1.51
1/21 through 12/21	1,933,947,922	94	6,381,600	550	11,606,121	2,764,143	6,961,847	27,713,711	1.43
5 YR. TOTAL	6,660,393,921	341	18,001,237	2,128	37,387,815	7,904,752	26,703,423	89,997,227	1.35
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		100%	0.832	100%		0.520		1.35	
Pure Premium Indicated by National Relativity		0%	0.719	0%		0.520		1.24	
Pure Premium Present on Rate Level		0%	0.721	0%		0.522		1.24	
Pure Premium Derived by Formula		0.832			0.520		1.35		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8021		STORE: MEAT, FISH OR POULTRY DEALER-WHOLESALE								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	279,663,114	5	130,061	64	813,445	82,971	1,114,494	2,140,971	0.77	
1/18 through 12/18	284,887,474	7	85,308	78	973,561	91,538	1,057,611	2,208,018	0.78	
1/19 through 12/19	337,830,889	11	576,229	76	1,153,467	315,058	1,346,193	3,390,947	1.00	
1/20 through 12/20	445,189,000	15	949,170	147	1,918,165	479,770	1,575,154	4,922,259	1.11	
1/21 through 12/21	495,684,118	14	366,152	138	2,549,382	126,877	1,408,228	4,450,639	0.90	
5 YR. TOTAL	1,843,254,595	52	2,106,920	503	7,408,020	1,096,214	6,501,680	17,112,834	0.93	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		43%	0.516	71%	0.412	0.93				
Pure Premium Indicated by National Relativity		28%	0.605	14%	0.538	1.14				
Pure Premium Present on Rate Level		29%	0.467	15%	0.482	0.95				
Pure Premium Derived by Formula		0.527			0.440		0.97			

CLASS 8031		STORE: MEAT, FISH OR POULTRY-RETAIL								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	14,862,890	2	103,586	5	20,706	75,965	49,800	250,057	1.68	
1/18 through 12/18	16,074,361	0	0	1	1,018	0	8,171	9,189	0.06	
1/19 through 12/19	16,591,676	1	43,066	0	0	34,674	6,296	84,036	0.51	
1/20 through 12/20	18,395,867	0	0	3	18,102	0	49,807	67,909	0.37	
1/21 through 12/21	21,024,937	0	0	1	16,340	0	27,018	43,358	0.21	
5 YR. TOTAL	86,949,731	3	146,652	10	56,166	110,639	141,092	454,549	0.52	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		9%	0.233	14%	0.290	0.52				
Pure Premium Indicated by National Relativity		41%	0.423	43%	0.348	0.77				
Pure Premium Present on Rate Level		50%	0.414	43%	0.376	0.79				
Pure Premium Derived by Formula		0.401			0.352		0.75			

CLASS 8032		STORE: CLOTHING, WEARING APPAREL OR DRY GOODS-WHOLESALE								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	182,588,009	5	103,674	26	469,504	45,073	429,868	1,048,119	0.57	
1/18 through 12/18	172,838,771	8	338,855	15	200,486	233,640	223,709	996,690	0.58	
1/19 through 12/19	178,888,491	3	164,221	24	492,661	89,674	533,697	1,280,253	0.72	
1/20 through 12/20	189,440,313	7	255,029	45	1,030,259	216,161	669,034	2,170,483	1.15	
1/21 through 12/21	235,705,105	10	530,954	31	527,283	357,626	439,986	1,855,849	0.79	
5 YR. TOTAL	959,460,689	33	1,392,733	141	2,720,193	942,174	2,296,294	7,351,394	0.77	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		29%	0.429	42%	0.338	0.77				
Pure Premium Indicated by National Relativity		35%	0.398	29%	0.337	0.74				
Pure Premium Present on Rate Level		36%	0.401	29%	0.324	0.73				
Pure Premium Derived by Formula		0.408			0.334		0.74			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8033		STORE: MEAT, GROCERY AND PROVISION STORES COMBINED-RETAIL NOC								
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	848,269,785	20	602,251	133	1,826,769	425,769	2,311,734	5,166,523	0.61	
1/18 through 12/18	834,941,085	29	750,872	168	1,791,154	500,359	2,451,482	5,493,867	0.66	
1/19 through 12/19	980,238,326	31	1,216,113	208	3,574,801	490,059	3,256,240	8,537,213	0.87	
1/20 through 12/20	1,156,589,687	39	1,753,493	208	3,677,039	1,083,580	3,593,145	10,107,257	0.87	
1/21 through 12/21	1,063,330,378	24	919,571	182	3,650,770	579,106	2,980,052	8,129,499	0.77	
5 YR. TOTAL	4,883,369,261	143	5,242,300	899	14,520,533	3,078,873	14,592,653	37,434,359	0.77	
		INDEMNITY			MEDICAL			TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		62%	0.405	100%	0.362	0.77				
Pure Premium Indicated by National Relativity		19%	0.374	0%	0.341	0.72				
Pure Premium Present on Rate Level		19%	0.371	0%	0.363	0.73				
Pure Premium Derived by Formula		0.393			0.362		0.76			

CLASS 8037		STORE - SUPERSTORES AND WAREHOUSE CLUBS								
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	1,366,728,695	58	1,699,890	251	3,806,489	974,999	3,699,800	10,181,178	0.75	
1/18 through 12/18	1,326,298,164	52	1,105,848	242	3,665,188	599,983	3,032,630	8,403,649	0.63	
1/19 through 12/19	1,441,203,634	38	1,339,529	256	2,877,971	567,431	3,302,010	8,086,941	0.56	
1/20 through 12/20	1,468,005,160	38	1,601,021	288	4,361,944	963,943	3,872,280	10,799,188	0.74	
1/21 through 12/21	1,579,973,764	47	1,896,472	255	4,125,587	1,065,039	3,958,604	11,045,702	0.70	
5 YR. TOTAL	7,182,209,417	233	7,642,760	1,292	18,837,179	4,171,395	17,865,324	48,516,658	0.68	
		INDEMNITY			MEDICAL			TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		70%	0.369	100%	0.307	0.68				
Pure Premium Indicated by National Relativity		15%	0.345	0%	0.355	0.70				
Pure Premium Present on Rate Level		15%	0.319	0%	0.301	0.62				
Pure Premium Derived by Formula		0.358			0.307		0.67			

CLASS 8039		STORE: DEPARTMENT-RETAIL								
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	264,975,748	9	184,680	59	671,327	358,005	824,665	2,038,677	0.77	
1/18 through 12/18	273,530,411	18	688,501	54	823,799	285,812	962,340	2,760,452	1.01	
1/19 through 12/19	274,467,649	14	234,720	49	1,055,825	299,948	901,882	2,492,375	0.91	
1/20 through 12/20	272,396,967	11	486,668	71	835,836	318,331	918,783	2,559,618	0.94	
1/21 through 12/21	302,483,525	18	727,774	70	1,007,231	487,479	893,414	3,115,898	1.03	
5 YR. TOTAL	1,387,854,300	70	2,322,343	303	4,394,018	1,749,575	4,501,084	12,967,020	0.93	
		INDEMNITY			MEDICAL			TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		31%	0.484	55%	0.450	0.93				
Pure Premium Indicated by National Relativity		34%	0.339	22%	0.356	0.70				
Pure Premium Present on Rate Level		35%	0.329	23%	0.385	0.71				
Pure Premium Derived by Formula		0.380			0.414		0.79			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8044		STORE: FURNITURE & DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	350,560,383	21	720,476	108	1,738,925	313,585	1,227,913	4,000,899	1.14	
1/18 through 12/18	378,933,480	19	367,679	92	1,391,874	160,987	1,212,278	3,132,818	0.83	
1/19 through 12/19	387,749,382	22	960,251	111	1,736,587	555,543	1,916,418	5,168,799	1.33	
1/20 through 12/20	412,450,915	17	1,015,632	88	1,749,228	627,371	1,478,967	4,871,198	1.18	
1/21 through 12/21	482,447,607	10	824,566	85	1,838,949	345,282	1,626,226	4,635,023	0.96	
5 YR. TOTAL	2,012,141,767	89	3,888,604	484	8,455,563	2,002,768	7,461,802	21,808,737	1.08	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		51%	0.613	76%	0.470	1.08				
Pure Premium Indicated by National Relativity		24%	0.561	12%	0.431	0.99				
Pure Premium Present on Rate Level		25%	0.613	12%	0.497	1.11				
Pure Premium Derived by Formula		0.601			0.469		1.07			

CLASS 8045		STORE: DRUG - RETAIL								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	620,338,598	3	381,210	34	444,942	212,600	522,141	1,560,893	0.25	
1/18 through 12/18	565,756,067	6	272,927	35	869,015	508,271	674,149	2,324,362	0.41	
1/19 through 12/19	521,973,471	6	222,818	33	663,137	133,862	729,998	1,749,815	0.34	
1/20 through 12/20	540,306,042	7	253,015	30	532,171	121,135	519,231	1,425,552	0.26	
1/21 through 12/21	567,066,864	9	255,371	33	708,656	197,373	808,980	1,970,380	0.35	
5 YR. TOTAL	2,815,441,042	31	1,385,341	165	3,217,921	1,173,241	3,254,499	9,031,002	0.32	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		30%	0.164	49%	0.157	0.32				
Pure Premium Indicated by National Relativity		35%	0.180	25%	0.142	0.32				
Pure Premium Present on Rate Level		35%	0.155	26%	0.146	0.30				
Pure Premium Derived by Formula		0.166			0.150		0.32			

CLASS 8046		STORE: AUTOMOBILE PARTS & ACCESSORIES- NOC & DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	373,054,547	25	638,042	77	748,445	714,448	981,685	3,082,620	0.83	
1/18 through 12/18	284,624,357	21	1,108,636	56	860,470	1,185,737	702,494	3,857,337	1.36	
1/19 through 12/19	286,338,142	9	339,950	48	937,634	103,605	926,830	2,308,019	0.81	
1/20 through 12/20	299,703,687	13	335,394	50	991,106	763,332	1,132,582	3,222,414	1.08	
1/21 through 12/21	339,159,847	15	616,290	64	804,274	505,151	1,113,371	3,039,086	0.90	
5 YR. TOTAL	1,582,880,580	83	3,038,312	295	4,341,929	3,272,273	4,856,962	15,509,476	0.98	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		41%	0.466	70%	0.514	0.98				
Pure Premium Indicated by National Relativity		29%	0.522	15%	0.474	1.00				
Pure Premium Present on Rate Level		30%	0.507	15%	0.546	1.05				
Pure Premium Derived by Formula		0.495			0.513		1.01			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8047		STORE: DRUG-WHOLESALE							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	48,923,611	1	10,223	6	116,221	7,693	71,031	205,168	0.42
1/18 through 12/18	46,561,283	0	0	10	392,310	0	195,831	588,141	1.26
1/19 through 12/19	62,986,885	1	18,853	5	52,018	3,331	66,989	141,191	0.23
1/20 through 12/20	66,452,345	0	0	9	227,923	0	90,769	318,692	0.48
1/21 through 12/21	82,638,143	0	0	5	48,170	0	62,081	110,251	0.13
5 YR. TOTAL	307,562,267	2	29,076	35	836,642	11,024	486,701	1,363,443	0.44
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.281	17%	0.162	0.44			
Pure Premium Indicated by National Relativity		44%	0.183	41%	0.150	0.33			
Pure Premium Present on Rate Level		45%	0.196	42%	0.161	0.36			
Pure Premium Derived by Formula		0.200			0.157			0.36	

CLASS 8058		BUILDING MATERIAL DEALER-NEW MATERIALS ONLY: STORE EMPLOYEES							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	79,277,029	4	137,410	22	302,607	60,043	348,431	848,491	1.07
1/18 through 12/18	91,386,496	2	111,998	10	107,885	78,725	131,957	430,565	0.47
1/19 through 12/19	106,099,549	3	425,371	22	419,410	312,688	237,744	1,395,213	1.32
1/20 through 12/20	120,296,725	3	247,427	22	535,739	100,665	365,709	1,249,540	1.04
1/21 through 12/21	139,002,250	2	41,468	11	186,241	21,972	216,589	466,270	0.34
5 YR. TOTAL	536,062,049	14	963,674	87	1,551,882	574,093	1,300,430	4,390,079	0.82
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	0.469	39%	0.350	0.82			
Pure Premium Indicated by National Relativity		38%	0.459	30%	0.477	0.94			
Pure Premium Present on Rate Level		38%	0.490	31%	0.488	0.98			
Pure Premium Derived by Formula		0.473			0.431			0.90	

CLASS 8072		STORE: BOOK, RECORD, COMPACT DISC, SOFTWARE, VIDEO OR AUDIO CASSETTE RETAIL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	43,084,739	2	228,713	5	108,329	252,117	108,353	697,512	1.62
1/18 through 12/18	38,347,482	0	0	4	24,243	0	69,054	93,297	0.24
1/19 through 12/19	38,236,023	0	0	2	108,262	0	89,838	198,100	0.52
1/20 through 12/20	31,557,901	1	32,973	2	3,162	15,082	11,701	62,918	0.20
1/21 through 12/21	38,282,943	0	0	4	47,896	0	93,891	141,787	0.37
5 YR. TOTAL	189,509,088	3	261,686	17	291,892	267,199	372,837	1,193,614	0.63
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.292	15%	0.338	0.63			
Pure Premium Indicated by National Relativity		31%	0.111	33%	0.162	0.27			
Pure Premium Present on Rate Level		62%	0.123	52%	0.196	0.32			
Pure Premium Derived by Formula		0.131			0.206			0.34	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8102		SEED MERCHANT								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	21,209,540	0	0	3	8,725	0	33,151	41,876	0.20	
1/18 through 12/18	19,893,441	0	0	6	95,376	0	260,743	356,119	1.79	
1/19 through 12/19	44,763,122	0	0	2	401	0	8,221	8,622	0.02	
1/20 through 12/20	27,660,249	0	0	3	174,100	0	127,051	301,151	1.09	
1/21 through 12/21	36,002,957	0	0	10	169,869	0	248,579	418,448	1.16	
5 YR. TOTAL	149,529,309	0	0	24	448,471	0	677,745	1,126,216	0.75	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		10%	0.300	18%	0.453	0.75				
Pure Premium Indicated by National Relativity		45%	0.474	41%	0.426	0.90				
Pure Premium Present on Rate Level		45%	0.344	41%	0.361	0.71				
Pure Premium Derived by Formula		0.398			0.404		0.80			

CLASS 8103		WOOL MERCHANT								
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	4,706,766	0	0	1	14,007	0	3,332	17,339	0.37	
1/18 through 12/18	5,003,664	0	0	0	0	0	2,342	2,342	0.05	
1/19 through 12/19	5,451,814	0	0	2	35,525	0	49,597	85,122	1.56	
1/20 through 12/20	2,546,075	0	0	1	15,279	0	2,205	17,484	0.69	
1/21 through 12/21	3,873,133	0	0	0	0	0	1,941	1,941	0.05	
5 YR. TOTAL	21,581,452	0	0	4	64,811	0	59,417	124,228	0.58	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		5%	0.300	8%	0.275	0.58				
Pure Premium Indicated by National Relativity		9%	0.536	9%	0.289	0.83				
Pure Premium Present on Rate Level		86%	0.560	83%	0.512	1.07				
Pure Premium Derived by Formula		0.545			0.473		1.02			

CLASS 8106		IRON OR STEEL MERCHANT & DRIVERS								
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	74,162,174	2	20,029	21	312,960	48,597	311,881	693,467	0.94	
1/18 through 12/18	73,897,318	1	169,573	20	355,342	307,471	253,494	1,085,880	1.47	
1/19 through 12/19	71,538,972	2	240,315	16	363,692	52,645	249,577	906,229	1.27	
1/20 through 12/20	71,214,810	2	231,429	17	237,007	100,504	286,937	855,877	1.20	
1/21 through 12/21	83,000,615	1	115,178	14	404,163	51,418	391,030	961,789	1.16	
5 YR. TOTAL	373,813,889	8	776,524	88	1,673,164	560,635	1,492,919	4,503,242	1.20	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		26%	0.655	38%	0.549	1.20				
Pure Premium Indicated by National Relativity		37%	0.804	31%	0.749	1.55				
Pure Premium Present on Rate Level		37%	0.827	31%	0.689	1.52				
Pure Premium Derived by Formula		0.774			0.654		1.43			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8107		MACHINERY DEALER NOC-STORE OR YARD-& DRIVERS								
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	302,820,343	7	504,260	58	1,847,071	326,169	1,361,834	4,039,334	1.33	
1/18 through 12/18	309,698,175	14	530,850	52	1,273,541	332,620	1,024,730	3,161,741	1.02	
1/19 through 12/19	316,498,128	10	665,786	47	1,444,547	564,997	1,288,580	3,963,910	1.25	
1/20 through 12/20	319,316,126	4	338,808	56	2,516,556	147,806	2,490,326	5,493,496	1.72	
1/21 through 12/21	344,219,607	5	216,242	37	1,081,602	118,451	1,172,043	2,588,338	0.75	
5 YR. TOTAL	1,592,552,379	40	2,255,946	250	8,163,317	1,490,043	7,337,513	19,246,819	1.21	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		47%	0.654	71%	0.554	1.21				
Pure Premium Indicated by National Relativity		26%	0.613	14%	0.479	1.09				
Pure Premium Present on Rate Level		27%	0.647	15%	0.549	1.20				
Pure Premium Derived by Formula		0.641			0.543		1.18			

CLASS 8111		PLUMBERS SUPPLIES DEALER & DRIVERS								
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	100,058,347	3	151,381	18	260,185	62,636	210,698	684,900	0.68	
1/18 through 12/18	112,096,752	3	249,500	14	129,195	51,529	281,272	711,496	0.64	
1/19 through 12/19	112,973,172	2	291,193	16	373,102	110,168	311,294	1,085,757	0.96	
1/20 through 12/20	112,510,978	1	5,138	18	821,380	20,416	569,157	1,416,091	1.26	
1/21 through 12/21	145,822,618	3	316,480	15	377,397	156,608	301,171	1,151,656	0.79	
5 YR. TOTAL	583,461,867	12	1,013,692	81	1,961,259	401,357	1,673,592	5,049,900	0.87	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		24%	0.510	37%	0.356	0.87				
Pure Premium Indicated by National Relativity		38%	0.471	31%	0.385	0.86				
Pure Premium Present on Rate Level		38%	0.477	32%	0.408	0.89				
Pure Premium Derived by Formula		0.483			0.382		0.87			

CLASS 8116		FARM MACHINERY DEALER-ALL OPERATIONS & DRIVERS								
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	58,129,231	2	68,179	7	101,383	67,177	147,126	383,865	0.66	
1/18 through 12/18	65,438,923	1	3,404	9	241,882	2,503	185,822	433,611	0.66	
1/19 through 12/19	65,986,608	2	40,046	15	203,300	24,240	190,297	457,883	0.69	
1/20 through 12/20	72,120,620	1	78,646	15	326,735	15,822	275,052	696,255	0.97	
1/21 through 12/21	75,706,374	1	93,257	12	264,350	38,381	195,627	591,615	0.78	
5 YR. TOTAL	337,381,756	7	283,532	58	1,137,650	148,123	993,924	2,563,229	0.76	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		18%	0.421	27%	0.339	0.76				
Pure Premium Indicated by National Relativity		41%	0.464	36%	0.421	0.89				
Pure Premium Present on Rate Level		41%	0.457	37%	0.390	0.85				
Pure Premium Derived by Formula		0.453			0.387		0.84			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8203		ICE MFG. OR DISTRIBUTION & DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	7,704,561	1	46,435	3	68,161	13,626	49,123	177,345	2.30
1/18 through 12/18	8,333,444	2	94,819	8	178,951	24,894	112,243	410,907	4.93
1/19 through 12/19	8,003,989	0	0	9	106,180	0	73,789	179,969	2.25
1/20 through 12/20	8,748,796	0	0	3	27,681	0	10,133	37,814	0.43
1/21 through 12/21	10,199,180	0	0	7	103,647	0	67,492	171,139	1.68
5 YR. TOTAL	42,989,970	3	141,254	30	484,620	38,520	312,780	977,174	2.27
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	1.456	17%	0.817	2.27			
Pure Premium Indicated by National Relativity		35%	1.484	37%	1.069	2.55			
Pure Premium Present on Rate Level		53%	1.705	46%	1.192	2.90			
Pure Premium Derived by Formula			1.598		1.083	2.68			

CLASS 8204		BUILDING MATERIAL YARD & LOCAL MANAGERS, DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	11,404,731	0	0	7	47,768	0	60,527	108,295	0.95
1/18 through 12/18	13,237,738	1	191,038	3	26,152	249,583	51,454	518,227	3.92
1/19 through 12/19	12,709,961	0	0	7	14,193	0	47,066	61,259	0.48
1/20 through 12/20	10,664,890	0	0	2	9,568	0	7,816	17,384	0.16
1/21 through 12/21	12,088,564	1	37,439	6	145,913	52,928	108,878	345,158	2.86
5 YR. TOTAL	60,105,884	2	228,477	25	243,594	302,511	275,741	1,050,323	1.75
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.785	18%	0.962	1.75			
Pure Premium Indicated by National Relativity		24%	0.594	25%	0.691	1.29			
Pure Premium Present on Rate Level		66%	0.832	57%	0.907	1.74			
Pure Premium Derived by Formula			0.770		0.863	1.63			

CLASS 8209		VEGETABLE PACKING & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	71,525,749	3	19,361	21	226,112	17,953	255,162	518,588	0.73
1/18 through 12/18	77,284,878	0	0	21	242,149	0	232,140	474,289	0.61
1/19 through 12/19	76,850,528	2	47,827	20	437,659	13,286	346,977	845,749	1.10
1/20 through 12/20	74,492,693	5	362,778	20	391,593	365,398	321,775	1,441,544	1.94
1/21 through 12/21	74,986,827	1	63,066	24	385,712	45,637	347,803	842,218	1.12
5 YR. TOTAL	375,140,675	11	493,032	106	1,683,225	442,274	1,503,857	4,122,388	1.10
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	0.580	37%	0.519	1.10			
Pure Premium Indicated by National Relativity		38%	1.016	31%	0.776	1.79			
Pure Premium Present on Rate Level		38%	0.694	32%	0.651	1.35			
Pure Premium Derived by Formula			0.789		0.641	1.43			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8215		FEED, FERTILIZER, HAY, OR GRAIN DEALER & LOCAL MANAGERS, DRIVERS - NO MFG							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	44,805,853	1	39,420	12	166,198	9,501	461,511	676,630	1.51
1/18 through 12/18	39,878,690	0	0	8	91,569	0	75,396	166,965	0.42
1/19 through 12/19	43,658,085	1	22,845	5	150,491	82,908	151,177	407,421	0.93
1/20 through 12/20	52,797,076	5	178,910	5	77,895	221,488	170,907	649,200	1.23
1/21 through 12/21	52,300,360	1	6,392	10	391,546	8,534	484,679	891,151	1.70
5 YR. TOTAL	233,440,064	8	247,567	40	877,699	322,431	1,343,670	2,791,367	1.20
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		18%	0.482	30%	0.714			1.20	
Pure Premium Indicated by National Relativity		41%	0.729	35%	0.661			1.39	
Pure Premium Present on Rate Level		41%	0.669	35%	0.657			1.33	
Pure Premium Derived by Formula		0.660			0.676		1.34		

CLASS 8227		CONSTRUCTION OR ERECTION PERMANENT YARD							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	138,982,091	1	8,700	26	876,655	23,135	658,423	1,566,913	1.13
1/18 through 12/18	147,489,314	4	272,437	38	433,768	290,942	653,846	1,650,993	1.12
1/19 through 12/19	152,748,837	1	113,010	37	1,200,241	430,561	742,938	2,486,750	1.63
1/20 through 12/20	159,394,381	6	536,290	27	1,442,710	265,713	773,804	3,018,517	1.89
1/21 through 12/21	167,018,332	8	718,148	32	962,618	810,770	864,319	3,355,855	2.01
5 YR. TOTAL	765,632,955	20	1,648,585	160	4,915,992	1,821,121	3,693,330	12,079,028	1.58
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		37%	0.857	54%	0.720			1.58	
Pure Premium Indicated by National Relativity		31%	0.963	23%	0.739			1.70	
Pure Premium Present on Rate Level		32%	0.857	23%	0.662			1.52	
Pure Premium Derived by Formula		0.890			0.711		1.60		

CLASS 8232		LUMBERYARD NEW MATERIALS ONLY: ALL OTHER EMPLOYEES & YARD, WAREHOUSE, DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	321,880,150	26	1,176,078	131	2,451,734	1,021,969	2,323,176	6,972,957	2.17
1/18 through 12/18	347,689,593	22	1,361,456	136	2,867,134	963,999	2,314,054	7,506,643	2.16
1/19 through 12/19	384,803,513	13	665,257	135	4,363,927	188,209	2,912,312	8,129,705	2.11
1/20 through 12/20	422,105,900	26	1,903,121	125	3,107,327	1,522,269	2,825,970	9,358,687	2.22
1/21 through 12/21	471,211,759	26	2,195,043	145	4,362,429	1,424,741	3,953,694	11,935,907	2.53
5 YR. TOTAL	1,947,690,915	113	7,300,955	672	17,152,551	5,121,187	14,329,206	43,903,899	2.26
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		68%	1.256	100%	0.999			2.26	
Pure Premium Indicated by National Relativity		16%	1.196	0%	0.881			2.08	
Pure Premium Present on Rate Level		16%	1.111	0%	0.903			2.01	
Pure Premium Derived by Formula		1.223			0.999		2.22		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8233		COAL MERCHANT & LOCAL MANAGERS, DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00
1/19 through 12/19	0	0	0	0	0	0	0	0	0.00
1/20 through 12/20	0	0	0	0	0	0	0	0	0.00
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		0%	0.000	0%	0.000			0.00	
Pure Premium Indicated by National Relativity		24%	1.458	26%	0.501			1.96	
Pure Premium Present on Rate Level		76%	0.941	74%	0.408			1.35	
Pure Premium Derived by Formula					1.065	0.432			1.50

CLASS 8235		SASH, DOOR OR ASSEMBLED MILLWORK DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	31,805,428	2	73,334	17	266,555	44,645	275,674	660,208	2.08
1/18 through 12/18	40,169,478	1	36,524	17	286,979	18,613	213,811	555,927	1.38
1/19 through 12/19	36,715,208	1	6,524	12	112,756	13,064	82,975	215,319	0.59
1/20 through 12/20	40,263,516	0	0	18	412,224	0	247,047	659,271	1.64
1/21 through 12/21	45,652,355	1	11,012	14	271,156	29,260	222,992	534,420	1.17
5 YR. TOTAL	194,605,985	5	127,394	78	1,349,670	105,582	1,042,499	2,625,145	1.35
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		20%	0.759	28%	0.590			1.35	
Pure Premium Indicated by National Relativity		40%	1.035	36%	0.784			1.82	
Pure Premium Present on Rate Level		40%	0.958	36%	0.689			1.65	
Pure Premium Derived by Formula					0.949	0.695			1.64

CLASS 8236		READY MIXED CONCRETE DEALER - & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	103,343,247	5	517,557	29	481,782	305,346	487,124	1,791,809	1.73
1/18 through 12/18	108,323,308	8	573,561	26	582,605	358,622	509,391	2,024,179	1.87
1/19 through 12/19	107,131,474	7	461,195	28	829,537	221,044	753,951	2,265,727	2.12
1/20 through 12/20	110,729,687	9	686,696	26	1,329,799	441,670	1,030,081	3,488,246	3.15
1/21 through 12/21	119,125,399	8	374,022	30	1,038,255	231,685	1,065,283	2,709,245	2.28
5 YR. TOTAL	548,653,115	37	2,613,031	139	4,261,978	1,558,367	3,845,830	12,279,206	2.24
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		36%	1.253	53%	0.985			2.24	
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000			0.00	
Pure Premium Present on Rate Level		64%	1.087	47%	0.908			2.00	
Pure Premium Derived by Formula					1.147	0.949			2.10

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8263		JUNK DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,484,037	0	0	5	55,973	0	19,858	75,831	1.69
1/18 through 12/18	4,800,821	0	0	5	52,277	0	32,599	84,876	1.77
1/19 through 12/19	4,502,341	0	0	2	2,291	0	14,416	16,707	0.37
1/20 through 12/20	4,054,917	0	0	1	1,198	0	1,984	3,182	0.08
1/21 through 12/21	6,016,725	1	113,811	3	54,397	76,559	25,873	270,640	4.50
5 YR. TOTAL	23,858,841	1	113,811	16	166,136	76,559	94,730	451,236	1.89
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		8%	1.173	12%	0.718			1.89	
Pure Premium Indicated by National Relativity		29%	1.492	31%	1.265			2.76	
Pure Premium Present on Rate Level		63%	1.240	57%	1.131			2.37	
Pure Premium Derived by Formula		1.308			1.123		2.43		

CLASS 8264		BOTTLE DEALER-USED & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	47,773,149	2	430,023	18	320,430	133,793	286,499	1,170,745	2.45
1/18 through 12/18	46,412,429	2	124,914	14	102,938	48,287	178,363	454,502	0.98
1/19 through 12/19	44,513,643	2	73,045	16	256,110	81,166	168,748	579,069	1.30
1/20 through 12/20	45,694,666	0	0	17	278,994	0	447,515	726,509	1.59
1/21 through 12/21	56,075,532	1	48,186	19	1,043,718	18,633	813,932	1,924,469	3.43
5 YR. TOTAL	240,469,419	7	676,168	84	2,002,190	281,879	1,895,057	4,855,294	2.02
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		23%	1.114	34%	0.905			2.02	
Pure Premium Indicated by National Relativity		38%	1.071	33%	0.897			1.97	
Pure Premium Present on Rate Level		39%	0.990	33%	0.836			1.83	
Pure Premium Derived by Formula		1.049			0.880		1.93		

CLASS 8265		IRON OR STEEL SCRAP DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	45,148,744	0	0	11	252,401	0	290,645	543,046	1.20
1/18 through 12/18	52,641,857	3	446,277	20	933,946	292,129	419,228	2,091,580	3.97
1/19 through 12/19	48,869,684	4	346,807	14	255,297	185,514	255,087	1,042,705	2.13
1/20 through 12/20	56,111,888	3	329,124	14	442,585	176,456	388,957	1,337,122	2.38
1/21 through 12/21	63,589,295	4	58,022	22	702,386	42,643	549,994	1,353,045	2.13
5 YR. TOTAL	266,361,468	14	1,180,230	81	2,586,615	696,742	1,903,911	6,367,498	2.39
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		26%	1.414	39%	0.976			2.39	
Pure Premium Indicated by National Relativity		37%	1.154	30%	0.980			2.13	
Pure Premium Present on Rate Level		37%	1.194	31%	0.990			2.18	
Pure Premium Derived by Formula		1.236			0.982		2.22		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8279		STABLE OR BREEDING FARM & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	8,750,169	1	17,550	4	9,440	16,373	27,910	71,273	0.81
1/18 through 12/18	9,563,455	0	0	8	159,508	0	158,673	318,181	3.33
1/19 through 12/19	11,184,169	1	90,840	3	2,930	52,203	66,494	212,467	1.90
1/20 through 12/20	10,944,249	0	0	1	53,807	0	38,944	92,751	0.85
1/21 through 12/21	14,116,424	1	14,001	10	169,296	13,616	205,136	402,049	2.85
5 YR. TOTAL	54,558,466	3	122,391	26	394,981	82,192	497,157	1,096,721	2.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		12%	0.948	20%		1.062		2.01	
Pure Premium Indicated by National Relativity		44%	1.466	40%		1.405		2.87	
Pure Premium Present on Rate Level		44%	1.178	40%		1.322		2.50	
Pure Premium Derived by Formula						1.277		1.303	2.58

CLASS 8288		LIVESTOCK DEALER OR COMMISSION MERCHANT & SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,392,059	0	0	1	1,166	0	17,217	18,383	0.42
1/18 through 12/18	4,398,102	0	0	6	35,211	0	82,118	117,329	2.67
1/19 through 12/19	3,931,916	0	0	4	32,849	0	19,934	52,783	1.34
1/20 through 12/20	3,965,166	0	0	1	1,019	0	4,156	5,175	0.13
1/21 through 12/21	4,134,079	1	3,810	4	33,881	6,533	51,608	95,832	2.32
5 YR. TOTAL	20,821,322	1	3,810	16	104,126	6,533	175,033	289,502	1.39
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		7%	0.518	13%		0.872		1.39	
Pure Premium Indicated by National Relativity		46%	1.422	43%		1.438		2.86	
Pure Premium Present on Rate Level		47%	1.261	44%		1.446		2.71	
Pure Premium Derived by Formula						1.283		1.368	2.65

CLASS 8291		STORAGE WAREHOUSE-COLD							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	21,030,369	1	28,643	7	164,020	58,151	271,618	522,432	2.48
1/18 through 12/18	20,971,247	1	155,693	9	285,560	29,849	243,449	714,551	3.41
1/19 through 12/19	27,275,685	2	44,308	8	224,983	21,462	127,250	418,003	1.53
1/20 through 12/20	24,549,084	3	70,246	6	69,840	38,510	48,297	226,893	0.93
1/21 through 12/21	27,970,368	0	0	6	242,186	0	212,982	455,168	1.63
5 YR. TOTAL	121,796,753	7	298,890	36	986,589	147,972	903,596	2,337,047	1.92
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		14%	1.055	22%		0.863		1.92	
Pure Premium Indicated by National Relativity		43%	0.822	39%		0.595		1.42	
Pure Premium Present on Rate Level		43%	0.764	39%		0.703		1.47	
Pure Premium Derived by Formula						0.830		0.696	1.53

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8292		STORAGE WAREHOUSE NOC								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	221,066,834	14	562,475	92	915,330	787,018	913,229	3,178,052	1.44	
1/18 through 12/18	217,289,633	17	1,159,958	85	1,443,978	1,042,975	976,509	4,623,420	2.13	
1/19 through 12/19	240,079,882	9	317,396	79	1,559,212	175,279	801,051	2,852,938	1.19	
1/20 through 12/20	256,956,277	5	277,568	72	1,659,823	242,008	1,456,863	3,636,262	1.42	
1/21 through 12/21	306,615,748	9	282,597	96	1,894,471	160,995	1,630,025	3,968,088	1.29	
5 YR. TOTAL	1,242,008,374	54	2,599,994	424	7,472,814	2,408,275	5,777,677	18,258,760	1.47	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		44%	0.811	67%	0.659	1.47				
Pure Premium Indicated by National Relativity		28%	0.694	16%	0.552	1.25				
Pure Premium Present on Rate Level		28%	0.740	17%	0.624	1.36				
Pure Premium Derived by Formula		0.758			0.636		1.39			

CLASS 8293		STORAGE WAREHOUSE-FURNITURE & DRIVERS								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	82,300,350	7	189,087	61	977,416	233,325	735,157	2,134,985	2.59	
1/18 through 12/18	89,476,369	8	270,267	73	1,312,903	138,712	1,113,367	2,835,249	3.17	
1/19 through 12/19	91,797,029	8	404,828	72	2,284,507	349,136	1,201,953	4,240,424	4.62	
1/20 through 12/20	91,682,274	13	550,720	55	790,785	193,442	806,700	2,341,647	2.55	
1/21 through 12/21	105,217,813	11	702,707	60	1,227,238	410,435	859,914	3,200,294	3.04	
5 YR. TOTAL	460,473,835	47	2,117,609	321	6,592,849	1,325,050	4,717,091	14,752,599	3.20	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		41%	1.892	59%	1.312	3.20				
Pure Premium Indicated by National Relativity		29%	1.586	20%	1.081	2.67				
Pure Premium Present on Rate Level		30%	1.735	21%	1.325	3.06				
Pure Premium Derived by Formula		1.756			1.269		3.03			

CLASS 8304		GRAIN ELEVATOR OPERATION & LOCAL MANAGERS, DRIVERS								
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	5,328,666	0	0	0	0	0	3,206	3,206	0.06	
1/18 through 12/18	5,056,223	0	0	1	18,045	0	23,413	41,458	0.82	
1/19 through 12/19	4,868,587	0	0	5	287,498	0	122,999	410,497	8.43	
1/20 through 12/20	3,932,173	0	0	1	13,813	0	12,729	26,542	0.68	
1/21 through 12/21	4,399,461	0	0	0	0	0	11,446	11,446	0.26	
5 YR. TOTAL	23,585,110	0	0	7	319,356	0	173,793	493,149	2.09	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		8%	1.354	12%	0.737	2.09				
Pure Premium Indicated by National Relativity		46%	1.168	44%	1.106	2.27				
Pure Premium Present on Rate Level		46%	1.184	44%	0.999	2.18				
Pure Premium Derived by Formula		1.190			1.015		2.21			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8350		GASOLINE - OR OIL DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	154,765,790	13	920,360	75	2,018,718	611,222	1,502,550	5,052,850	3.27
1/18 through 12/18	161,001,566	16	1,225,457	52	1,458,167	1,214,671	908,946	4,807,241	2.99
1/19 through 12/19	159,157,099	19	1,125,396	48	1,210,098	1,485,722	1,095,788	4,917,004	3.09
1/20 through 12/20	160,290,710	15	1,716,269	56	1,348,373	1,259,837	1,446,054	5,770,533	3.60
1/21 through 12/21	187,855,374	11	1,037,003	47	1,296,979	563,945	1,177,846	4,075,773	2.17
5 YR. TOTAL	823,070,539	74	6,024,485	278	7,332,335	5,135,397	6,131,184	24,623,401	2.99
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		55%	1.623	85%	1.369	2.99			
Pure Premium Indicated by National Relativity		22%	1.367	7%	0.856	2.22			
Pure Premium Present on Rate Level		23%	1.752	8%	1.513	3.27			
Pure Premium Derived by Formula			1.596		1.345	2.94			

CLASS 8380		AUTOMOBILE SERVICE OR REPAIR CENTER & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,063,108,260	66	2,863,753	382	6,533,559	1,925,297	5,804,581	17,127,190	0.83
1/18 through 12/18	2,280,255,485	66	5,120,885	417	7,287,820	3,524,894	5,929,116	21,862,715	0.96
1/19 through 12/19	2,365,391,991	59	3,746,987	376	6,587,293	1,970,103	5,450,530	17,754,913	0.75
1/20 through 12/20	2,434,906,510	51	2,213,765	388	7,650,727	1,540,128	6,185,415	17,590,035	0.72
1/21 through 12/21	2,638,982,677	61	3,757,339	382	9,425,964	2,608,469	6,796,253	22,588,025	0.86
5 YR. TOTAL	11,782,644,923	303	17,702,729	1,945	37,485,363	11,568,891	30,165,895	96,922,878	0.82
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	0.468	100%	0.354	0.82			
Pure Premium Indicated by National Relativity		0%	0.542	0%	0.397	0.94			
Pure Premium Present on Rate Level		0%	0.465	0%	0.355	0.82			
Pure Premium Derived by Formula			0.468		0.354	0.82			

CLASS 8381		GASOLINE STATION:SELF-SERVICE ONLY-RETAIL							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	24,132,113	0	0	3	58,782	0	55,787	114,569	0.48
1/18 through 12/18	23,748,563	2	50,125	0	0	45,649	14,685	110,459	0.47
1/19 through 12/19	18,183,894	0	0	3	190,165	0	209,787	399,952	2.20
1/20 through 12/20	19,863,525	0	0	5	56,300	0	51,754	108,054	0.54
1/21 through 12/21	39,651,584	1	45,969	5	45,827	21,210	133,716	246,722	0.62
5 YR. TOTAL	125,579,679	3	96,094	16	351,074	66,859	465,729	979,756	0.78
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.356	16%	0.424	0.78			
Pure Premium Indicated by National Relativity		30%	0.346	32%	0.358	0.70			
Pure Premium Present on Rate Level		60%	0.389	52%	0.355	0.74			
Pure Premium Derived by Formula			0.373		0.367	0.74			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8385		BUS CO.: GARAGE EMPLOYEES							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	72,892,440	3	134,172	15	465,762	70,723	317,193	987,850	1.36
1/18 through 12/18	74,850,556	6	152,072	17	455,640	153,220	343,795	1,104,727	1.48
1/19 through 12/19	74,378,290	5	410,914	11	252,566	327,965	192,836	1,184,281	1.59
1/20 through 12/20	69,977,350	1	92,972	11	212,314	25,683	354,984	685,953	0.98
1/21 through 12/21	55,138,041	2	110,116	10	140,482	14,579	112,658	377,835	0.69
5 YR. TOTAL	347,236,677	17	900,246	64	1,526,764	592,170	1,321,466	4,340,646	1.25
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	0.699	31%	0.551	1.25			
Pure Premium Indicated by National Relativity		39%	0.509	34%	0.408	0.92			
Pure Premium Present on Rate Level		40%	0.610	35%	0.473	1.08			
Pure Premium Derived by Formula		0.589			0.475			1.06	

CLASS 8392		AUTOMOBILE STORAGE GARAGE, PARKING LOT OR PARKING STATION, VALET SERVICE, CASHIERS OR COUNTER PERSONNEL & DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	35,981,832	1	587	13	217,821	837	506,563	725,808	2.02
1/18 through 12/18	35,481,747	2	16,745	8	64,978	14,137	64,570	160,430	0.45
1/19 through 12/19	43,418,569	2	19,077	11	107,093	21,454	141,386	289,010	0.67
1/20 through 12/20	31,338,762	1	5,737	4	108,351	7,006	151,815	272,909	0.87
1/21 through 12/21	37,554,806	1	6,384	7	81,825	4,517	124,904	217,630	0.58
5 YR. TOTAL	183,775,716	7	48,530	43	580,068	47,951	989,238	1,665,787	0.91
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	0.342	22%	0.564	0.91			
Pure Premium Indicated by National Relativity		43%	0.445	39%	0.362	0.81			
Pure Premium Present on Rate Level		44%	0.400	39%	0.455	0.86			
Pure Premium Derived by Formula		0.412			0.443			0.86	

CLASS 8393		AUTOMOBILE BODY REPAIR & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	276,048,815	2	186,666	27	959,263	429,243	582,922	2,158,094	0.78
1/18 through 12/18	320,751,634	6	117,092	41	1,631,670	156,186	834,547	2,739,495	0.85
1/19 through 12/19	315,786,044	4	158,063	31	1,307,045	70,403	813,927	2,349,438	0.74
1/20 through 12/20	359,170,032	11	742,433	36	1,074,706	366,298	600,369	2,783,806	0.78
1/21 through 12/21	398,467,298	6	700,398	26	608,986	343,395	438,323	2,091,102	0.53
5 YR. TOTAL	1,670,223,823	29	1,904,652	161	5,581,670	1,365,525	3,270,088	12,121,935	0.73
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	0.448	51%	0.278	0.73			
Pure Premium Indicated by National Relativity		30%	0.404	24%	0.259	0.66			
Pure Premium Present on Rate Level		30%	0.440	25%	0.276	0.72			
Pure Premium Derived by Formula		0.432			0.273			0.71	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8500		METAL SCRAP DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	8,805,359	0	0	5	77,301	0	16,086	93,387	1.06
1/18 through 12/18	15,264,271	1	106,107	9	298,351	128,691	691,828	1,224,977	8.03
1/19 through 12/19	17,121,359	0	0	3	238,537	0	40,999	279,536	1.63
1/20 through 12/20	11,174,780	0	0	1	68,990	0	465,080	534,070	4.78
1/21 through 12/21	14,210,838	1	372	4	88,168	574	64,311	153,425	1.08
5 YR. TOTAL	66,576,607	2	106,479	22	771,347	129,265	1,278,304	2,285,395	3.43
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		13%	1.319	23%	2.114			3.43	
Pure Premium Indicated by National Relativity		41%	0.977	38%	0.915			1.89	
Pure Premium Present on Rate Level		46%	1.205	39%	1.333			2.54	
Pure Premium Derived by Formula		1.126			1.354		2.48		

CLASS 8601		ARCHITECTURAL OR ENGINEERING FIRM - INCLUDING SALESPERSONS & DRIVERS							
Industry Group: Office and Clerical Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,342,978,152	2	30,316	22	256,654	10,262	480,126	777,358	0.06
1/18 through 12/18	1,485,473,602	5	168,439	26	524,183	71,238	573,596	1,337,456	0.09
1/19 through 12/19	1,615,606,059	4	591,992	20	545,511	232,436	656,458	2,026,397	0.13
1/20 through 12/20	1,636,476,538	7	746,417	18	551,565	458,355	609,164	2,365,501	0.14
1/21 through 12/21	1,757,364,594	4	143,113	17	477,613	183,833	585,131	1,389,690	0.08
5 YR. TOTAL	7,837,898,945	22	1,680,277	103	2,355,526	956,124	2,904,475	7,896,402	0.10
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		30%	0.051	47%	0.049			0.10	
Pure Premium Indicated by National Relativity		35%	0.064	26%	0.052			0.12	
Pure Premium Present on Rate Level		35%	0.054	27%	0.048			0.10	
Pure Premium Derived by Formula		0.057			0.050		0.11		

CLASS 8602		SURVEYORS, TIMBER CRUISERS, OIL OR GAS GEOLOGISTS OR SCOUTS, & DRIVERS							
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	99,713,338	2	58,689	8	94,136	59,586	216,623	429,034	0.43
1/18 through 12/18	118,497,646	0	0	14	178,463	0	204,344	382,807	0.32
1/19 through 12/19	127,033,363	1	49,967	12	260,460	40,838	285,549	636,814	0.50
1/20 through 12/20	129,728,586	0	0	12	153,372	0	321,009	474,381	0.37
1/21 through 12/21	150,711,372	2	99,454	14	249,911	41,889	321,987	713,241	0.47
5 YR. TOTAL	625,684,305	5	208,110	60	936,342	142,313	1,349,512	2,636,277	0.42
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		19%	0.183	28%	0.238			0.42	
Pure Premium Indicated by National Relativity		40%	0.305	36%	0.275			0.58	
Pure Premium Present on Rate Level		41%	0.254	36%	0.217			0.47	
Pure Premium Derived by Formula		0.261			0.244		0.51		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8603		ARCHITECTURAL OR ENGINEERING FIRM - CLERICAL							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	626,047,545	3	75,992	3	32,171	51,956	70,487	230,606	0.04
1/18 through 12/18	742,936,211	0	0	5	28,850	0	96,422	125,272	0.02
1/19 through 12/19	830,264,416	1	181,520	3	20,477	20,497	92,941	315,435	0.04
1/20 through 12/20	803,092,864	1	29,809	7	103,471	35,840	110,043	279,163	0.04
1/21 through 12/21	969,089,814	1	100,096	3	65,621	34,723	85,587	286,027	0.03
5 YR. TOTAL	3,971,430,850	6	387,417	21	250,590	143,016	455,480	1,236,503	0.03
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		12%	0.016	17%	0.015			0.03	
Pure Premium Indicated by National Relativity		33%	0.011	35%	0.011			0.02	
Pure Premium Present on Rate Level		55%	0.016	48%	0.012			0.03	
Pure Premium Derived by Formula		0.014			0.012		0.03		

CLASS 8606		GEOPHYSICAL EXPLORATION - ALL EMPLOYEES & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	12,473,946	0	0	1	2,469	0	14,969	17,438	0.14
1/18 through 12/18	17,347,493	1	6,335	1	26,184	58,750	24,219	115,488	0.67
1/19 through 12/19	18,113,511	0	0	0	0	0	8,765	8,765	0.05
1/20 through 12/20	19,931,052	0	0	0	0	0	10,496	10,496	0.05
1/21 through 12/21	23,783,375	0	0	1	514	0	3,503	4,017	0.02
5 YR. TOTAL	91,649,377	1	6,335	3	29,167	58,750	61,952	156,204	0.17
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		8%	0.039	13%	0.132			0.17	
Pure Premium Indicated by National Relativity		12%	0.271	13%	0.218			0.49	
Pure Premium Present on Rate Level		80%	0.334	74%	0.315			0.65	
Pure Premium Derived by Formula		0.303			0.279		0.58		

CLASS 8719		STEVEDORING: TALLIERS AND CHECKING CLERKS ENGAGED IN CONNECTION WITH STEVEDORE WORK							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	256,509	0	0	0	0	0	0	0	0.00
1/18 through 12/18	299,740	0	0	0	0	0	0	0	0.00
1/19 through 12/19	297,418	0	0	0	0	0	0	0	0.00
1/20 through 12/20	355,562	0	0	0	0	0	0	0	0.00
1/21 through 12/21	326,536	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,535,765	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		1%	0.000	2%	0.000			0.00	
Pure Premium Indicated by National Relativity		8%	0.136	8%	0.155			0.29	
Pure Premium Present on Rate Level		91%	0.418	90%	0.372			0.79	
Pure Premium Derived by Formula		0.391			0.347		0.74		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8720		INSPECTION OF RISKS FOR INSURANCE OR VALUATION PURPOSES NOC								
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	229,485,937	4	252,543	13	558,420	183,472	276,574	1,271,009	0.55	
1/18 through 12/18	272,582,216	1	209,110	21	345,033	86,874	264,913	905,930	0.33	
1/19 through 12/19	241,362,094	2	22,067	12	224,948	9,876	271,567	528,458	0.22	
1/20 through 12/20	255,495,075	5	672,139	8	89,085	330,729	127,095	1,219,048	0.48	
1/21 through 12/21	409,668,083	2	262,031	20	559,617	143,077	325,822	1,290,547	0.32	
5 YR. TOTAL	1,408,593,405	14	1,417,890	74	1,777,103	754,028	1,265,971	5,214,992	0.37	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		28%	0.227	40%	0.143	0.37				
Pure Premium Indicated by National Relativity		36%	0.242	30%	0.198	0.44				
Pure Premium Present on Rate Level		36%	0.257	30%	0.195	0.45				
Pure Premium Derived by Formula		0.243			0.175		0.42			

CLASS 8721		REAL ESTATE APPRAISAL COMPANIES-OUTSIDE EMPLOYEES								
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	243,086,649	1	79,840	4	84,604	396,329	51,937	612,710	0.25	
1/18 through 12/18	260,423,946	0	0	2	61,032	0	66,859	127,891	0.05	
1/19 through 12/19	311,099,220	2	42,828	1	66,861	66,884	38,612	215,185	0.07	
1/20 through 12/20	456,537,486	0	0	3	38,821	0	94,299	133,120	0.03	
1/21 through 12/21	556,157,435	1	19,493	2	81,771	25,143	73,096	199,503	0.04	
5 YR. TOTAL	1,827,304,736	4	142,161	12	333,089	488,356	324,803	1,288,409	0.07	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		15%	0.026	28%	0.045	0.07				
Pure Premium Indicated by National Relativity		19%	0.047	21%	0.050	0.10				
Pure Premium Present on Rate Level		66%	0.054	51%	0.075	0.13				
Pure Premium Derived by Formula		0.048			0.061		0.11			

CLASS 8723		INSURANCE COMPANIES - INCLUDING CLERICAL & SALESPERSONS								
Industry Group: Office and Clerical Hazard Group: D		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	2,769,141,695	4	74,533	22	382,765	198,862	380,217	1,036,377	0.04	
1/18 through 12/18	2,889,083,651	6	376,337	21	292,283	281,322	385,150	1,335,092	0.05	
1/19 through 12/19	3,246,453,192	5	145,588	25	656,294	275,678	363,833	1,441,393	0.05	
1/20 through 12/20	3,545,020,899	4	125,305	5	29,542	94,903	113,847	363,597	0.01	
1/21 through 12/21	4,192,308,044	3	150,485	11	250,213	153,583	301,081	855,362	0.02	
5 YR. TOTAL	16,642,007,481	22	872,248	84	1,611,097	1,004,348	1,544,128	5,031,821	0.03	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		31%	0.015	43%	0.015	0.03				
Pure Premium Indicated by National Relativity		34%	0.017	28%	0.015	0.03				
Pure Premium Present on Rate Level		35%	0.027	29%	0.019	0.05				
Pure Premium Derived by Formula		0.020			0.016		0.04			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8725		INVENTORY COUNTERS - TRAVELING - INCLUDING SALESPERSONS & CLERICAL							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,436,955	0	0	1	4,495	0	34,616	39,111	0.88
1/18 through 12/18	4,265,534	0	0	2	2,372	0	11,243	13,615	0.32
1/19 through 12/19	3,884,659	0	0	1	745	0	11,821	12,566	0.32
1/20 through 12/20	6,432,082	0	0	1	5,383	0	1,504	6,887	0.11
1/21 through 12/21	6,727,708	1	1,115	1	39,172	3,672	5,513	49,472	0.74
5 YR. TOTAL	25,746,938	1	1,115	6	52,167	3,672	64,697	121,651	0.47
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.207	8%	0.266	0.47			
Pure Premium Indicated by National Relativity		17%	0.250	18%	0.327	0.58			
Pure Premium Present on Rate Level		78%	0.435	74%	0.383	0.82			
Pure Premium Derived by Formula		0.392			0.364			0.76	

CLASS 8742		SALESPERSONS OR COLLECTORS-OUTSIDE							
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	11,580,493,678	48	2,802,059	191	5,061,006	1,569,224	4,471,728	13,904,017	0.12
1/18 through 12/18	12,074,816,209	45	3,004,213	202	5,172,132	1,867,014	4,490,718	14,534,077	0.12
1/19 through 12/19	12,426,253,677	42	2,798,353	146	4,056,446	2,523,714	3,480,249	12,858,762	0.10
1/20 through 12/20	12,701,871,705	15	1,117,006	126	3,337,627	622,362	2,864,738	7,941,733	0.06
1/21 through 12/21	14,791,076,802	50	3,355,963	126	3,626,001	2,151,521	3,246,344	12,379,829	0.08
5 YR. TOTAL	63,574,512,071	200	13,077,594	791	21,253,212	8,733,835	18,553,777	61,618,418	0.10
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		89%	0.054	100%	0.043	0.10			
Pure Premium Indicated by National Relativity		5%	0.054	0%	0.043	0.10			
Pure Premium Present on Rate Level		6%	0.057	0%	0.045	0.10			
Pure Premium Derived by Formula		0.054			0.043			0.10	

CLASS 8745		NEWS AGENT OR DISTRIBUTOR OF MAGAZINES OR OTHER PERIODICALS-NOT RETAIL DEALER-& SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	6,580,707	0	0	2	7,782	0	13,573	21,355	0.32
1/18 through 12/18	7,537,060	2	138,013	2	659	313,107	9,044	460,823	6.11
1/19 through 12/19	5,891,041	0	0	2	90,474	0	64,708	155,182	2.63
1/20 through 12/20	4,474,572	0	0	3	14,105	0	6,471	20,576	0.46
1/21 through 12/21	2,757,052	0	0	0	0	0	1,436	1,436	0.05
5 YR. TOTAL	27,240,432	2	138,013	9	113,020	313,107	95,232	659,372	2.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.922	12%	1.499	2.42			
Pure Premium Indicated by National Relativity		27%	0.782	28%	0.651	1.43			
Pure Premium Present on Rate Level		67%	0.710	60%	0.887	1.60			
Pure Premium Derived by Formula		0.742			0.894			1.64	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8748		AUTOMOBILE SALESPERSONS							
Industry Group: Office and Clerical Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	876,035,339	12	791,944	25	945,389	405,357	576,568	2,719,258	0.31
1/18 through 12/18	932,755,379	8	256,038	24	803,609	111,012	801,195	1,971,854	0.21
1/19 through 12/19	965,398,178	10	702,890	24	887,798	473,082	798,324	2,862,094	0.30
1/20 through 12/20	1,105,517,481	0	0	18	793,968	0	530,011	1,323,979	0.12
1/21 through 12/21	1,385,494,196	1	40,091	12	722,693	117,245	347,876	1,227,905	0.09
5 YR. TOTAL	5,265,200,573	31	1,790,963	103	4,153,457	1,106,696	3,053,974	10,105,090	0.19
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		37%	0.113	54%	0.079	0.19			
Pure Premium Indicated by National Relativity		31%	0.096	23%	0.073	0.17			
Pure Premium Present on Rate Level		32%	0.118	23%	0.094	0.21			
Pure Premium Derived by Formula		0.109			0.081		0.19		

CLASS 8755		LABOR UNION-ALL EMPLOYEES							
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	12,738,683	0	0	2	29,556	0	21,564	51,120	0.40
1/18 through 12/18	15,739,843	0	0	0	0	0	0	0	0.00
1/19 through 12/19	16,532,636	0	0	0	0	0	55,791	55,791	0.34
1/20 through 12/20	17,845,909	0	0	0	0	0	1,361	1,361	0.01
1/21 through 12/21	18,558,153	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	81,415,224	0	0	2	29,556	0	78,716	108,272	0.13
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.036	5%	0.097	0.13			
Pure Premium Indicated by National Relativity		16%	0.068	18%	0.040	0.11			
Pure Premium Present on Rate Level		81%	0.068	77%	0.052	0.12			
Pure Premium Derived by Formula		0.067			0.052		0.12		

CLASS 8799		MAILING OR ADDRESSING COMPANY OR LETTER SERVICE SHOP - CLERICAL STAFF							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,555,314	0	0	0	0	0	1,121	1,121	0.01
1/18 through 12/18	10,294,895	0	0	0	0	0	0	0	0.00
1/19 through 12/19	11,111,335	0	0	1	21,436	0	10,200	31,636	0.29
1/20 through 12/20	13,958,837	0	0	0	0	0	399	399	0.00
1/21 through 12/21	10,256,302	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	56,176,683	0	0	1	21,436	0	11,720	33,156	0.06
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.038	5%	0.021	0.06			
Pure Premium Indicated by National Relativity		18%	0.176	19%	0.128	0.30			
Pure Premium Present on Rate Level		78%	0.100	76%	0.084	0.18			
Pure Premium Derived by Formula		0.111			0.089		0.20		

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** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8800		MAILING OR ADDRESSING COMPANY OR LETTER SERVICE SHOP								
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	37,175,236	0	0	4	53,569	0	18,900	72,469	0.20	
1/18 through 12/18	35,548,397	0	0	5	251,304	0	114,446	365,750	1.03	
1/19 through 12/19	23,525,382	1	9,466	7	228,207	6,168	96,645	340,486	1.45	
1/20 through 12/20	30,263,000	0	0	5	107,343	0	78,892	186,235	0.62	
1/21 through 12/21	30,548,368	0	0	6	161,549	0	98,125	259,674	0.85	
5 YR. TOTAL	157,060,383	1	9,466	27	801,972	6,168	407,008	1,224,614	0.78	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*		
Indicated Pure Premium		10%	0.517	16%	0.263			0.78		
Pure Premium Indicated by National Relativity		45%	0.379	42%	0.339			0.72		
Pure Premium Present on Rate Level		45%	0.293	42%	0.270			0.56		
Pure Premium Derived by Formula		0.354			0.298		0.65			

CLASS 8803		AUDITOR, ACCOUNTANT, OR COMPUTER SYSTEM DESIGNER OR PROGRAMMER - TRAVELING								
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	3,162,668,658	2	165,111	11	344,675	336,503	341,437	1,187,726	0.04	
1/18 through 12/18	3,441,262,736	1	35,711	15	171,107	10,967	228,353	446,138	0.01	
1/19 through 12/19	3,327,394,153	0	0	9	349,589	0	288,269	637,858	0.02	
1/20 through 12/20	3,607,481,073	1	30,324	8	142,486	14,564	111,613	298,987	0.01	
1/21 through 12/21	3,904,600,867	1	19,493	6	34,374	3,854	54,885	112,606	0.00	
5 YR. TOTAL	17,443,407,487	5	250,639	49	1,042,231	365,888	1,024,557	2,683,315	0.02	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*		
Indicated Pure Premium		19%	0.007	31%	0.008			0.02		
Pure Premium Indicated by National Relativity		40%	0.007	34%	0.007			0.01		
Pure Premium Present on Rate Level		41%	0.009	35%	0.009			0.02		
Pure Premium Derived by Formula		0.008			0.008		0.02			

CLASS 8810		CLERICAL OFFICE EMPLOYEES NOC								
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	43,248,075,064	80	3,129,893	395	6,402,397	1,951,366	6,973,781	18,457,437	0.04	
1/18 through 12/18	45,800,902,296	95	2,957,016	402	6,655,040	2,736,549	6,875,593	19,224,198	0.04	
1/19 through 12/19	48,533,261,893	83	4,610,777	335	7,086,587	3,025,942	7,038,446	21,761,752	0.05	
1/20 through 12/20	50,590,647,891	65	3,814,501	301	6,947,792	2,412,560	6,987,113	20,161,966	0.04	
1/21 through 12/21	57,026,716,007	65	2,633,049	323	8,364,035	2,408,718	6,924,939	20,330,741	0.04	
5 YR. TOTAL	245,199,603,151	388	17,145,236	1,756	35,455,851	12,535,135	34,799,872	99,936,094	0.04	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*		
Indicated Pure Premium		97%	0.021	100%	0.019			0.04		
Pure Premium Indicated by National Relativity		1%	0.025	0%	0.022			0.05		
Pure Premium Present on Rate Level		2%	0.018	0%	0.019			0.04		
Pure Premium Derived by Formula		0.021			0.019		0.04			

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CLASS 8820		ATTORNEY-ALL EMPLOYEES & CLERICAL, MESSENGERS, DRIVERS							
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,540,967,271	3	108,356	13	146,577	13,941	267,542	536,416	0.04
1/18 through 12/18	1,625,582,635	0	0	7	93,658	0	337,261	430,919	0.03
1/19 through 12/19	1,663,576,257	3	34,003	7	84,090	35,403	122,671	276,167	0.02
1/20 through 12/20	1,768,023,576	1	13,739	9	156,353	21,012	217,644	408,748	0.02
1/21 through 12/21	1,989,662,720	0	0	7	118,341	0	152,610	270,951	0.01
5 YR. TOTAL	8,587,812,459	7	156,098	43	599,019	70,356	1,097,728	1,923,201	0.02
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	0.009	30%	0.014	0.02			
Pure Premium Indicated by National Relativity		40%	0.021	35%	0.017	0.04			
Pure Premium Present on Rate Level		41%	0.019	35%	0.018	0.04			
Pure Premium Derived by Formula		0.018			0.016			0.03	

CLASS 8824		RETIREMENT LIVING CENTERS: HEALTH CARE EMPLOYEES							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	349,049,545	23	429,583	129	946,681	384,078	1,260,967	3,021,309	0.87
1/18 through 12/18	369,514,500	29	1,046,857	135	1,726,791	731,089	1,735,535	5,240,272	1.42
1/19 through 12/19	390,216,404	33	1,152,130	118	1,902,682	702,654	1,822,818	5,580,284	1.43
1/20 through 12/20	1,132,434,204	54	1,910,281	225	4,551,630	905,058	4,236,772	11,603,741	1.03
1/21 through 12/21	1,605,278,143	53	2,356,567	258	5,544,858	956,635	4,326,063	13,184,123	0.82
5 YR. TOTAL	3,846,492,796	192	6,895,418	865	14,672,642	3,679,514	13,382,155	38,629,729	1.01
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		66%	0.561	100%	0.444	1.01			
Pure Premium Indicated by National Relativity		17%	0.492	0%	0.389	0.88			
Pure Premium Present on Rate Level		17%	0.531	0%	0.476	1.01			
Pure Premium Derived by Formula		0.544			0.444			0.99	

CLASS 8826		RETIREMENT LIVING CENTERS: ALL OTHER EMPLOYEES, SALESPERSONS & DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	291,083,690	14	452,480	64	461,394	239,349	689,111	1,842,334	0.63
1/18 through 12/18	319,724,805	13	276,887	70	968,469	327,832	1,401,089	2,974,277	0.93
1/19 through 12/19	324,723,256	11	409,355	67	722,594	408,721	797,507	2,338,177	0.72
1/20 through 12/20	481,484,613	18	729,807	97	1,662,469	764,217	1,483,882	4,640,375	0.96
1/21 through 12/21	597,190,354	20	804,863	101	1,945,351	536,655	2,160,371	5,447,240	0.91
5 YR. TOTAL	2,014,206,718	76	2,673,392	399	5,760,277	2,276,774	6,531,960	17,242,403	0.86
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		39%	0.419	69%	0.437	0.86			
Pure Premium Indicated by National Relativity		30%	0.361	15%	0.338	0.70			
Pure Premium Present on Rate Level		31%	0.363	16%	0.408	0.77			
Pure Premium Derived by Formula		0.384			0.418			0.80	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8831		HOSPITAL-VETERINARY & DRIVERS							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	544,907,966	9	177,891	59	396,605	175,813	1,166,561	1,916,870	0.35
1/18 through 12/18	571,083,666	11	273,858	101	673,179	179,614	1,745,231	2,871,882	0.50
1/19 through 12/19	623,839,322	17	417,640	79	1,173,683	279,448	1,878,722	3,749,493	0.60
1/20 through 12/20	702,873,149	11	536,401	109	1,342,495	278,065	2,272,103	4,429,064	0.63
1/21 through 12/21	805,711,366	8	251,337	112	1,226,579	119,314	2,429,684	4,026,914	0.50
5 YR. TOTAL	3,248,415,469	56	1,657,127	460	4,812,541	1,032,254	9,492,301	16,994,223	0.52
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	0.199	77%	0.324	0.52			
Pure Premium Indicated by National Relativity		32%	0.177	11%	0.281	0.46			
Pure Premium Present on Rate Level		33%	0.176	12%	0.321	0.50			
Pure Premium Derived by Formula		0.184			0.319			0.50	

CLASS 8832 + +		PHYSICIAN & CLERICAL							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	6,609,638,639	33	1,246,211	155	3,055,078	841,509	2,831,346	7,974,144	0.12
1/18 through 12/18	7,226,789,151	44	1,740,218	143	2,730,854	881,555	2,759,678	8,112,305	0.11
1/19 through 12/19	7,702,913,127	42	2,843,310	141	2,645,867	1,692,700	3,017,449	10,199,326	0.13
1/20 through 12/20	8,255,246,067	33	1,609,587	153	3,103,996	878,216	2,734,011	8,325,810	0.10
1/21 through 12/21	9,109,525,194	33	1,678,328	157	3,840,701	841,849	3,277,454	9,638,332	0.11
5 YR. TOTAL	38,904,112,178	185	9,117,654	749	15,376,496	5,135,829	14,619,938	44,249,917	0.11
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		76%	0.063	100%	0.051	0.11			
Pure Premium Indicated by National Relativity		12%	0.065	0%	0.050	0.12			
Pure Premium Present on Rate Level		12%	0.068	0%	0.052	0.12			
Pure Premium Derived by Formula		0.064			0.051			0.12	

CLASS 8833		HOSPITAL: PROFESSIONAL EMPLOYEES							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,452,529,256	33	1,937,523	87	2,002,954	1,178,085	1,916,153	7,034,715	0.48
1/18 through 12/18	1,407,155,616	18	1,342,668	106	2,516,585	596,787	1,911,957	6,367,997	0.45
1/19 through 12/19	2,539,416,418	39	2,615,748	155	2,888,472	1,814,984	2,798,134	10,117,338	0.40
1/20 through 12/20	2,808,746,367	40	3,092,576	206	3,316,133	1,444,859	3,950,967	11,804,535	0.42
1/21 through 12/21	3,496,841,286	25	2,324,184	180	4,204,620	786,758	3,601,728	10,917,290	0.31
5 YR. TOTAL	11,704,688,943	155	11,312,699	734	14,928,764	5,821,473	14,178,939	46,241,875	0.40
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		75%	0.224	100%	0.171	0.40			
Pure Premium Indicated by National Relativity		12%	0.204	0%	0.160	0.36			
Pure Premium Present on Rate Level		13%	0.223	0%	0.174	0.40			
Pure Premium Derived by Formula		0.221			0.171			0.39	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8835		HOME, PUBLIC, AND TRAVELING HEALTHCARE--ALL EMPLOYEES							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,110,195,979	61	2,649,764	228	3,224,888	1,510,046	3,124,679	10,509,377	0.95
1/18 through 12/18	1,199,624,363	52	2,645,470	222	2,458,063	1,250,721	2,800,508	9,154,762	0.76
1/19 through 12/19	1,205,942,621	62	3,967,695	209	3,540,784	1,735,071	2,713,864	11,957,414	0.99
1/20 through 12/20	1,260,539,564	69	3,250,206	208	3,760,771	1,820,006	2,657,797	11,488,780	0.91
1/21 through 12/21	1,346,706,836	36	2,231,348	195	4,380,234	1,123,408	3,372,462	11,107,452	0.83
5 YR. TOTAL	6,123,009,363	280	14,744,483	1,062	17,364,740	7,439,252	14,669,310	54,217,785	0.89
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		80%	0.524	100%	0.361	0.89			
Pure Premium Indicated by National Relativity		10%	0.466	0%	0.320	0.79			
Pure Premium Present on Rate Level		10%	0.490	0%	0.348	0.84			
Pure Premium Derived by Formula		0.515			0.361		0.88		

CLASS 8842		GROUP HOMES-ALL EMPLOYEES & SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	414,898,576	32	811,699	120	812,609	470,024	1,145,176	3,239,508	0.78
1/18 through 12/18	422,876,061	24	792,557	120	1,218,169	570,370	1,617,932	4,199,028	0.99
1/19 through 12/19	454,283,905	16	472,465	122	1,582,612	254,616	2,042,327	4,352,020	0.96
1/20 through 12/20	502,477,627	20	839,294	107	1,441,494	545,272	1,362,736	4,188,796	0.83
1/21 through 12/21	541,882,503	10	428,836	90	1,255,744	263,768	1,307,144	3,255,492	0.60
5 YR. TOTAL	2,336,418,672	102	3,344,851	559	6,310,628	2,104,050	7,475,315	19,234,844	0.82
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		47%	0.413	77%	0.410	0.82			
Pure Premium Indicated by National Relativity		26%	0.495	11%	0.413	0.91			
Pure Premium Present on Rate Level		27%	0.448	12%	0.445	0.89			
Pure Premium Derived by Formula		0.444			0.415		0.86		

CLASS 8848 ++		DOMICILIARY HOMES-ALL EMPLOYEES							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	112,945,899	13	196,850	47	310,562	243,171	420,189	1,170,772	1.04
1/18 through 12/18	102,438,564	1	13,596	26	330,550	4,862	240,257	589,265	0.58
1/19 through 12/19	100,872,780	4	70,127	26	470,236	75,656	444,856	1,060,875	1.05
1/20 through 12/20	55,519,617	1	14,647	14	171,424	7,908	209,105	403,084	0.73
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	371,776,860	19	295,220	113	1,282,772	331,597	1,314,407	3,223,996	0.87
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	0.424	32%	0.443	0.87			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		79%	0.531	68%	0.476	1.01			
Pure Premium Derived by Formula		0.509			0.465		0.97		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8849 + +		NURSING HOME-ALL EMPLOYEES							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,176,052,527	41	1,861,027	251	3,877,099	1,182,633	3,971,841	10,892,600	0.93
1/18 through 12/18	1,174,840,742	52	1,556,506	226	3,426,831	837,225	3,743,629	9,564,191	0.81
1/19 through 12/19	1,190,973,143	49	2,198,033	228	3,956,681	1,121,488	3,365,389	10,641,591	0.89
1/20 through 12/20	351,338,912	16	561,586	46	785,218	390,026	925,988	2,662,818	0.76
1/21 through 12/21	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	3,893,205,324	158	6,177,152	751	12,045,829	3,531,372	12,006,847	33,761,200	0.87
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		66%	0.468	100%	0.399	0.87			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		34%	0.531	0%	0.476	1.01			
Pure Premium Derived by Formula		0.489			0.399		0.89		

CLASS 8855		BANKS AND TRUST COMPANIES - ALL EMPLOYEES, SALESPERSONS, DRIVERS & CLERICAL							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	7,053,498,133	14	805,338	70	1,129,920	542,447	1,256,923	3,734,628	0.05
1/18 through 12/18	7,664,195,671	17	968,151	49	554,721	292,096	788,490	2,603,458	0.03
1/19 through 12/19	9,310,516,904	15	820,175	43	833,068	525,887	1,037,022	3,216,152	0.04
1/20 through 12/20	9,385,595,733	4	333,998	21	675,036	169,413	478,317	1,656,764	0.02
1/21 through 12/21	10,965,537,385	9	684,104	18	525,994	410,558	518,034	2,138,690	0.02
5 YR. TOTAL	44,379,343,826	59	3,611,766	201	3,718,739	1,940,401	4,078,786	13,349,692	0.03
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		44%	0.017	65%	0.014	0.03			
Pure Premium Indicated by National Relativity		28%	0.020	17%	0.020	0.04			
Pure Premium Present on Rate Level		28%	0.020	18%	0.016	0.04			
Pure Premium Derived by Formula		0.019			0.015		0.03		

CLASS 8856		CHECK CASHING ESTABLISHMENTS - ALL EMPLOYEES, SALESPERSONS, DRIVERS & CLERICAL							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	9,236,760	1	60,325	2	33,701	8,944	12,739	115,709	1.25
1/18 through 12/18	9,028,704	0	0	2	19,189	0	10,426	29,615	0.33
1/19 through 12/19	10,764,609	0	0	2	32,585	0	47,696	80,281	0.75
1/20 through 12/20	10,395,477	0	0	0	0	0	1,696	1,696	0.02
1/21 through 12/21	12,227,493	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	51,653,043	1	60,325	6	85,475	8,944	72,557	227,301	0.44
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.282	5%	0.158	0.44			
Pure Premium Indicated by National Relativity		25%	0.116	27%	0.075	0.19			
Pure Premium Present on Rate Level		71%	0.140	68%	0.081	0.22			
Pure Premium Derived by Formula		0.140			0.083		0.22		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8864		SOCIAL SERVICES ORGANIZATION-ALL EMPLOYEES & SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	783,432,241	21	521,142	102	1,057,138	440,189	1,199,985	3,218,454	0.41
1/18 through 12/18	850,247,905	19	281,811	68	903,295	205,378	929,697	2,320,181	0.27
1/19 through 12/19	901,504,339	11	194,986	87	1,236,641	159,229	1,621,380	3,212,236	0.36
1/20 through 12/20	921,879,618	16	812,238	74	1,426,852	569,885	1,069,931	3,878,906	0.42
1/21 through 12/21	1,047,957,799	15	634,040	63	1,025,251	309,354	1,258,570	3,227,215	0.31
5 YR. TOTAL	4,505,021,902	82	2,444,217	394	5,649,177	1,684,035	6,079,563	15,856,992	0.35
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		46%	0.180	72%	0.172	0.35			
Pure Premium Indicated by National Relativity		27%	0.250	14%	0.251	0.50			
Pure Premium Present on Rate Level		27%	0.221	14%	0.202	0.42			
Pure Premium Derived by Formula		0.210			0.187			0.40	

CLASS 8868		COLLEGE: PROFESSIONAL EMPLOYEES & CLERICAL							
Industry Group: Office and Clerical Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	4,476,193,612	65	1,499,973	288	2,611,135	1,447,182	3,880,757	9,439,047	0.21
1/18 through 12/18	4,676,582,603	74	1,073,669	309	2,997,491	1,558,699	3,882,276	9,512,135	0.20
1/19 through 12/19	4,784,908,957	55	802,323	277	1,712,274	803,748	3,327,709	6,646,054	0.14
1/20 through 12/20	4,935,364,944	46	1,457,465	226	2,134,555	1,081,761	3,037,726	7,711,507	0.16
1/21 through 12/21	5,726,164,822	74	2,135,178	305	3,789,001	1,114,173	5,226,778	12,265,130	0.21
5 YR. TOTAL	24,599,214,938	314	6,968,608	1,405	13,244,456	6,005,563	19,355,246	45,573,873	0.19
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		64%	0.082	100%	0.103	0.19			
Pure Premium Indicated by National Relativity		18%	0.061	0%	0.078	0.14			
Pure Premium Present on Rate Level		18%	0.076	0%	0.099	0.18			
Pure Premium Derived by Formula		0.077			0.103			0.18	

CLASS 8869		CHILD CARE CENTER - ALL EMPLOYEES INCLUDING CLERICAL, SALESPERSONS & DRIVERS							
Industry Group: Office and Clerical Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	702,101,493	20	608,498	97	899,460	277,726	1,134,935	2,920,619	0.42
1/18 through 12/18	765,374,622	16	450,250	108	1,053,396	368,847	1,328,138	3,200,631	0.42
1/19 through 12/19	791,888,708	11	211,328	102	1,316,913	187,329	1,434,705	3,150,275	0.40
1/20 through 12/20	811,399,861	15	471,633	106	1,429,078	278,264	1,724,028	3,903,003	0.48
1/21 through 12/21	958,489,978	19	611,184	107	1,866,842	565,456	1,608,624	4,652,106	0.49
5 YR. TOTAL	4,029,254,662	81	2,352,893	520	6,565,689	1,677,622	7,230,430	17,826,634	0.44
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	0.221	70%	0.221	0.44			
Pure Premium Indicated by National Relativity		30%	0.170	15%	0.189	0.36			
Pure Premium Present on Rate Level		30%	0.179	15%	0.208	0.39			
Pure Premium Derived by Formula		0.193			0.214			0.41	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 8871 ++		CLERICAL TELECOMMUTER EMPLOYEES								
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	757,581,153	0	0	5	93,257	0	82,198	175,455	0.02	
1/18 through 12/18	1,089,069,568	0	0	5	256,941	0	327,385	584,326	0.05	
1/19 through 12/19	2,125,762,358	2	121,570	5	166,875	97,231	142,977	528,653	0.03	
1/20 through 12/20	4,794,754,546	1	150,105	4	62,723	53,480	56,064	322,372	0.01	
1/21 through 12/21	5,592,700,677	1	13,953	11	401,875	23,998	531,539	971,365	0.02	
5 YR. TOTAL	14,359,868,302	4	285,628	30	981,671	174,709	1,140,163	2,582,171	0.02	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		24%	0.009	28%	0.009	0.02				
Pure Premium Indicated by National Relativity		36%	0.007	36%	0.006	0.01				
Pure Premium Present on Rate Level		40%	0.019	36%	0.009	0.03				
Pure Premium Derived by Formula		0.012			0.008		0.02			

CLASS 8901		TELECOMMUNICATIONS CO.: OFFICE OR EXCHANGE EMPLOYEES & CLERICAL								
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	1,176,409,008	2	199,556	18	224,759	70,592	220,941	715,848	0.06	
1/18 through 12/18	1,147,269,255	10	751,847	14	303,000	418,045	223,456	1,696,348	0.15	
1/19 through 12/19	1,147,548,727	6	239,176	13	350,646	135,349	186,643	911,814	0.08	
1/20 through 12/20	1,255,932,561	2	37,601	12	548,394	19,906	344,546	950,447	0.08	
1/21 through 12/21	1,293,854,227	3	284,753	11	527,841	151,950	420,695	1,385,239	0.11	
5 YR. TOTAL	6,021,013,778	23	1,512,933	68	1,954,640	795,842	1,396,281	5,659,696	0.09	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		23%	0.058	34%	0.036	0.09				
Pure Premium Indicated by National Relativity		38%	0.031	33%	0.020	0.05				
Pure Premium Present on Rate Level		39%	0.042	33%	0.032	0.07				
Pure Premium Derived by Formula		0.042			0.029		0.07			

CLASS 9012		BUILDING OR PROPERTY MANAGEMENT - PROPERTY MANAGERS AND LEASING AGENTS & CLERICAL, SALESPERSONS								
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	1,091,734,292	15	1,197,382	60	1,160,182	833,416	1,123,723	4,314,703	0.40	
1/18 through 12/18	1,197,036,549	12	976,693	77	1,300,164	718,170	1,281,851	4,276,878	0.36	
1/19 through 12/19	1,321,050,113	11	604,253	66	1,761,392	255,299	1,443,599	4,064,543	0.31	
1/20 through 12/20	1,377,335,893	16	1,108,076	60	2,044,720	652,261	1,272,220	5,077,277	0.37	
1/21 through 12/21	1,581,644,461	17	1,001,962	67	1,331,199	647,122	1,470,242	4,450,525	0.28	
5 YR. TOTAL	6,568,801,308	71	4,888,366	330	7,597,657	3,106,268	6,591,635	22,183,926	0.34	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		51%	0.190	76%	0.148	0.34				
Pure Premium Indicated by National Relativity		24%	0.169	12%	0.132	0.30				
Pure Premium Present on Rate Level		25%	0.182	12%	0.150	0.33				
Pure Premium Derived by Formula		0.183			0.146		0.33			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9014		JANITORIAL SERVICES BY CONTRACTORS - NO WINDOW CLEANING ABOVE GROUND LEVEL & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	869,355,104	54	1,619,085	274	4,141,799	934,622	3,634,249	10,329,755	1.19
1/18 through 12/18	934,057,752	60	2,184,399	255	4,509,525	1,240,143	4,141,593	12,075,660	1.29
1/19 through 12/19	979,672,001	38	1,777,684	249	4,322,070	925,912	3,633,770	10,659,436	1.09
1/20 through 12/20	1,063,710,909	40	1,654,942	234	3,706,121	1,611,424	3,872,966	10,845,453	1.02
1/21 through 12/21	1,149,021,257	46	1,710,513	230	3,827,214	1,252,857	3,876,289	10,666,873	0.93
5 YR. TOTAL	4,995,817,023	238	8,946,623	1,242	20,506,729	5,964,958	19,158,867	54,577,177	1.09
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		79%	0.590	100%	0.503			1.09	
Pure Premium Indicated by National Relativity		10%	0.580	0%	0.465			1.05	
Pure Premium Present on Rate Level		11%	0.593	0%	0.527			1.12	
Pure Premium Derived by Formula		0.589			0.503		1.09		

CLASS 9015		BUILDING OR PROPERTY MANAGEMENT - ALL OTHER EMPLOYEES							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	621,290,630	21	880,686	140	2,476,497	598,117	2,010,319	5,965,619	0.96
1/18 through 12/18	670,341,080	29	1,406,374	134	1,973,048	852,929	1,871,913	6,104,264	0.91
1/19 through 12/19	716,904,333	22	1,416,085	164	3,226,890	960,430	2,983,582	8,586,987	1.20
1/20 through 12/20	732,389,554	26	1,503,486	119	3,248,457	803,768	2,706,652	8,262,363	1.13
1/21 through 12/21	830,236,651	32	1,779,675	131	3,846,836	1,713,857	3,138,211	10,478,579	1.26
5 YR. TOTAL	3,571,162,248	130	6,986,306	688	14,771,728	4,929,101	12,710,677	39,397,812	1.10
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		66%	0.609	98%	0.494			1.10	
Pure Premium Indicated by National Relativity		17%	0.646	1%	0.490			1.14	
Pure Premium Present on Rate Level		17%	0.568	1%	0.467			1.04	
Pure Premium Derived by Formula		0.608			0.494		1.10		

CLASS 9016		AMUSEMENT PARK OR EXHIBITION OPERATION AND DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	56,824,362	1	483	14	66,676	0	170,435	237,594	0.42
1/18 through 12/18	65,598,112	1	72,973	16	70,244	21,080	305,322	469,619	0.72
1/19 through 12/19	56,953,568	0	0	18	267,747	0	228,335	496,082	0.87
1/20 through 12/20	53,953,234	1	39,433	5	10,008	4,359	62,943	116,743	0.22
1/21 through 12/21	73,211,824	2	63,252	16	79,239	64,078	263,634	470,203	0.64
5 YR. TOTAL	306,541,100	5	176,141	69	493,914	89,517	1,030,669	1,790,241	0.58
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		15%	0.219	28%	0.365			0.58	
Pure Premium Indicated by National Relativity		42%	0.425	36%	0.467			0.89	
Pure Premium Present on Rate Level		43%	0.347	36%	0.433			0.78	
Pure Premium Derived by Formula		0.361			0.426		0.79		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9019		BRIDGE OR VEHICULAR TUNNEL OPERATION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	732,616	0	0	0	0	0	1,627	1,627	0.22
1/18 through 12/18	569,975	0	0	0	0	0	0	0	0.00
1/19 through 12/19	574,324	0	0	1	42,455	0	0	42,455	7.39
1/20 through 12/20	571,444	0	0	1	48,473	0	38,372	86,845	15.20
1/21 through 12/21	498,000	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,946,359	0	0	2	90,928	0	39,999	130,927	4.44
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	3.086	3%	1.358			4.44	
Pure Premium Indicated by National Relativity		11%	0.655	12%	0.849			1.50	
Pure Premium Present on Rate Level		87%	0.744	85%	0.685			1.43	
Pure Premium Derived by Formula		0.781			0.725		1.51		

CLASS 9033		HOUSING AUTHORITY & CLERICAL, SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	10,553,043	0	0	1	720	0	3,914	4,634	0.04
1/18 through 12/18	20,409,806	1	7,548	4	18,014	23,585	17,034	66,181	0.32
1/19 through 12/19	22,113,137	0	0	0	0	0	19,653	19,653	0.09
1/20 through 12/20	26,379,021	1	11,875	5	266,109	7,256	126,328	411,568	1.56
1/21 through 12/21	27,960,915	1	88,283	2	40,229	41,383	28,194	198,089	0.71
5 YR. TOTAL	107,415,922	3	107,706	12	325,072	72,224	195,123	700,125	0.65
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		10%	0.403	14%	0.249			0.65	
Pure Premium Indicated by National Relativity		45%	0.519	43%	0.375			0.89	
Pure Premium Present on Rate Level		45%	0.426	43%	0.327			0.75	
Pure Premium Derived by Formula		0.466			0.337		0.80		

CLASS 9040		HOSPITAL: ALL OTHER EMPLOYEES							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	80,852,905	7	344,534	25	199,064	61,397	284,925	889,920	1.10
1/18 through 12/18	76,753,470	9	255,868	22	242,700	145,103	367,273	1,010,944	1.32
1/19 through 12/19	175,257,431	9	610,146	34	686,155	460,017	683,013	2,439,331	1.39
1/20 through 12/20	172,479,323	4	215,227	34	226,375	89,138	336,632	867,372	0.50
1/21 through 12/21	198,465,189	9	407,876	31	684,502	264,349	736,303	2,093,030	1.05
5 YR. TOTAL	703,808,318	38	1,833,651	146	2,038,796	1,020,004	2,408,146	7,300,597	1.04
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		31%	0.550	49%	0.487			1.04	
Pure Premium Indicated by National Relativity		34%	0.630	25%	0.568			1.20	
Pure Premium Present on Rate Level		35%	0.628	26%	0.586			1.21	
Pure Premium Derived by Formula		0.605			0.533		1.14		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9044		CASINO GAMBLING-HOTEL-ALL EMPLOYEES & CLERICAL, SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,954,977	0	0	0	0	0	94	94	0.00
1/18 through 12/18	3,144,181	0	0	0	0	0	6,290	6,290	0.20
1/19 through 12/19	4,423,143	0	0	0	0	0	4,822	4,822	0.11
1/20 through 12/20	258,564	0	0	0	0	0	7	7	0.00
1/21 through 12/21	2,458,759	0	0	3	54,619	0	10,938	65,557	2.67
5 YR. TOTAL	13,239,624	0	0	3	54,619	0	22,151	76,770	0.58
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.413	4%	0.167			0.58	
Pure Premium Indicated by National Relativity		48%	0.305	48%	0.260			0.57	
Pure Premium Present on Rate Level		49%	0.240	48%	0.230			0.47	
Pure Premium Derived by Formula		0.276			0.242		0.52		

CLASS 9052		HOTEL: ALL OTHER EMPLOYEES & SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	651,005,640	21	610,939	118	1,059,912	304,572	1,369,474	3,344,897	0.51
1/18 through 12/18	692,400,297	20	481,438	123	1,021,987	301,674	1,556,027	3,361,126	0.49
1/19 through 12/19	659,361,680	16	333,476	99	1,725,942	191,939	1,365,262	3,616,619	0.55
1/20 through 12/20	560,587,881	9	189,438	87	1,474,926	99,150	1,267,130	3,030,644	0.54
1/21 through 12/21	751,695,721	20	520,402	80	1,361,336	561,311	1,441,606	3,884,655	0.52
5 YR. TOTAL	3,315,051,219	86	2,135,693	507	6,644,103	1,458,646	6,999,499	17,237,941	0.52
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		47%	0.265	71%	0.255			0.52	
Pure Premium Indicated by National Relativity		26%	0.399	14%	0.337			0.74	
Pure Premium Present on Rate Level		27%	0.311	15%	0.263			0.57	
Pure Premium Derived by Formula		0.312			0.268		0.58		

CLASS 9058		HOTEL: RESTAURANT EMPLOYEES							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	176,675,896	4	92,327	39	614,419	37,286	652,539	1,396,571	0.79
1/18 through 12/18	181,934,829	8	61,876	36	382,122	49,518	284,970	778,486	0.43
1/19 through 12/19	151,015,292	2	40,976	25	333,254	43,968	255,803	674,001	0.45
1/20 through 12/20	96,529,991	4	57,805	16	212,171	59,674	365,799	695,449	0.72
1/21 through 12/21	167,673,085	3	62,832	22	351,682	42,588	269,459	726,561	0.43
5 YR. TOTAL	773,829,093	21	315,816	138	1,893,648	233,034	1,828,570	4,271,068	0.55
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		22%	0.286	36%	0.266			0.55	
Pure Premium Indicated by National Relativity		39%	0.322	32%	0.253			0.58	
Pure Premium Present on Rate Level		39%	0.299	32%	0.285			0.58	
Pure Premium Derived by Formula		0.305			0.268		0.57		

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9060		CLUB - COUNTRY, GOLF, FISHING, OR YACHT - ALL EMPLOYEES & CLERICAL, SALESPERSONS, DRIVERS								
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	460,903,524	17	856,127	80	859,107	909,304	883,662	3,508,200	0.76	
1/18 through 12/18	486,151,917	13	339,914	76	783,862	378,266	980,304	2,482,346	0.51	
1/19 through 12/19	484,560,146	7	532,161	57	528,784	462,622	945,576	2,469,143	0.51	
1/20 through 12/20	505,969,736	12	662,159	72	1,085,978	370,324	1,097,881	3,216,342	0.64	
1/21 through 12/21	557,107,416	5	457,928	58	1,016,016	237,331	909,470	2,620,745	0.47	
5 YR. TOTAL	2,494,692,739	54	2,848,289	343	4,273,747	2,357,847	4,816,893	14,296,776	0.57	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		38%	0.285	63%	0.288	0.57				
Pure Premium Indicated by National Relativity		31%	0.270	18%	0.281	0.55				
Pure Premium Present on Rate Level		31%	0.266	19%	0.279	0.55				
Pure Premium Derived by Formula		0.274			0.285		0.56			

CLASS 9061		CLUB NOC & CLERICAL								
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	28,476,305	1	28,148	2	47,669	23,135	80,670	179,622	0.63	
1/18 through 12/18	30,859,063	0	0	2	4,448	0	21,893	26,341	0.09	
1/19 through 12/19	27,767,885	0	0	1	62,666	0	47,685	110,351	0.40	
1/20 through 12/20	27,592,103	1	66,098	1	16,506	46,248	25,982	154,834	0.56	
1/21 through 12/21	36,065,709	0	0	1	10,790	0	7,133	17,923	0.05	
5 YR. TOTAL	150,761,065	2	94,246	7	142,079	69,383	183,363	489,071	0.33	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		9%	0.157	13%	0.168	0.33				
Pure Premium Indicated by National Relativity		40%	0.286	43%	0.234	0.52				
Pure Premium Present on Rate Level		51%	0.246	44%	0.205	0.45				
Pure Premium Derived by Formula		0.254			0.213		0.47			

CLASS 9062		CASINO GAMBLING-ALL EMPLOYEES & CLERICAL, SALESPERSONS, DRIVERS								
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	3,664,211	0	0	1	767	0	1,184	1,951	0.05	
1/18 through 12/18	3,636,612	0	0	1	10,468	0	17,473	27,941	0.77	
1/19 through 12/19	4,237,588	0	0	0	0	0	1,040	1,040	0.03	
1/20 through 12/20	4,030,808	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	4,424,968	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	19,994,187	0	0	2	11,235	0	19,697	30,932	0.16	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		3%	0.056	5%	0.099	0.16				
Pure Premium Indicated by National Relativity		36%	0.270	38%	0.251	0.52				
Pure Premium Present on Rate Level		61%	0.232	57%	0.238	0.47				
Pure Premium Derived by Formula		0.240			0.236		0.48			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9063		YMCA, YWCA, YMHA OR YWHA, INSTITUTION - ALL EMPLOYEES & CLERICAL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	430,354,979	4	11,071	49	363,665	38,868	833,937	1,247,541	0.29
1/18 through 12/18	465,478,578	5	29,374	48	325,237	80,747	595,233	1,030,591	0.22
1/19 through 12/19	439,368,506	5	139,683	36	330,682	241,304	518,548	1,230,217	0.28
1/20 through 12/20	418,305,413	4	30,046	23	101,409	58,223	312,084	501,762	0.12
1/21 through 12/21	503,289,140	5	160,342	38	376,032	89,760	666,107	1,292,241	0.26
5 YR. TOTAL	2,256,796,616	23	370,516	194	1,497,025	508,902	2,925,909	5,302,352	0.24
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	0.083	48%	0.152	0.24			
Pure Premium Indicated by National Relativity		38%	0.152	26%	0.163	0.32			
Pure Premium Present on Rate Level		38%	0.120	26%	0.180	0.30			
Pure Premium Derived by Formula		0.123			0.162		0.29		

CLASS 9082		RESTAURANT NOC							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,456,620,468	50	1,451,872	421	4,094,030	1,251,783	4,979,577	11,777,262	0.48
1/18 through 12/18	2,602,911,530	53	1,125,891	472	4,483,867	906,095	5,624,619	12,140,472	0.47
1/19 through 12/19	2,553,337,745	42	1,314,119	400	3,947,923	1,168,395	4,706,994	11,137,431	0.44
1/20 through 12/20	2,430,147,286	34	1,376,941	353	4,330,033	1,048,513	4,800,723	11,556,210	0.48
1/21 through 12/21	2,932,225,136	36	1,317,862	344	5,148,369	1,560,929	4,893,959	12,921,119	0.44
5 YR. TOTAL	12,975,242,165	215	6,586,685	1,990	22,004,222	5,935,715	25,005,872	59,532,494	0.46
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		80%	0.220	100%	0.238	0.46			
Pure Premium Indicated by National Relativity		10%	0.248	0%	0.232	0.48			
Pure Premium Present on Rate Level		10%	0.232	0%	0.247	0.48			
Pure Premium Derived by Formula		0.224			0.238		0.46		

CLASS 9083		RESTAURANT: FAST FOOD							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	1,872,297,488	52	945,652	360	2,588,817	499,621	3,545,285	7,579,375	0.41
1/18 through 12/18	1,968,228,334	48	1,696,103	358	3,426,318	1,659,615	3,584,498	10,366,534	0.53
1/19 through 12/19	2,076,891,594	49	933,493	390	3,878,756	689,810	3,944,908	9,446,967	0.46
1/20 through 12/20	2,092,796,250	32	1,246,649	354	4,183,013	650,757	4,415,981	10,496,400	0.50
1/21 through 12/21	2,462,129,528	43	2,415,380	349	4,810,247	1,232,188	5,057,825	13,515,640	0.55
5 YR. TOTAL	10,472,343,194	224	7,237,277	1,811	18,887,151	4,731,991	20,548,497	51,404,916	0.49
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		70%	0.249	100%	0.241	0.49			
Pure Premium Indicated by National Relativity		15%	0.232	0%	0.226	0.46			
Pure Premium Present on Rate Level		15%	0.221	0%	0.230	0.45			
Pure Premium Derived by Formula		0.242			0.241		0.48		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9084		BAR, DISCOTHEQUE, LOUNGE, NIGHT CLUB OR TAVERN								
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	69,531,797	0	0	10	94,116	0	99,925	194,041	0.28	
1/18 through 12/18	85,111,362	1	100,534	16	277,032	88,409	192,602	658,577	0.77	
1/19 through 12/19	85,648,757	1	2,899	6	230,297	0	111,497	344,693	0.40	
1/20 through 12/20	75,600,051	1	54,208	7	134,416	7,614	38,166	234,404	0.31	
1/21 through 12/21	113,672,943	0	0	10	188,715	0	299,036	487,751	0.43	
5 YR. TOTAL	429,564,910	3	157,641	49	924,576	96,023	741,226	1,919,466	0.45	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		15%	0.252	24%	0.195	0.45				
Pure Premium Indicated by National Relativity		42%	0.271	38%	0.234	0.51				
Pure Premium Present on Rate Level		43%	0.244	38%	0.227	0.47				
Pure Premium Derived by Formula		0.257			0.222		0.48			

CLASS 9089		BILLIARD HALL								
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	946,050	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	1,173,441	0	0	0	0	0	406	406	0.04	
1/19 through 12/19	945,332	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	636,532	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	927,154	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	4,628,509	0	0	0	0	0	406	406	0.01	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		1%	0.000	2%	0.009	0.01				
Pure Premium Indicated by National Relativity		6%	0.634	6%	0.138	0.77				
Pure Premium Present on Rate Level		93%	0.146	92%	0.220	0.37				
Pure Premium Derived by Formula		0.174			0.211		0.39			

CLASS 9093		BOWLING LANE								
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	24,445,608	0	0	8	118,355	0	150,777	269,132	1.10	
1/18 through 12/18	28,433,288	0	0	10	65,136	0	103,207	168,343	0.59	
1/19 through 12/19	24,646,356	0	0	5	26,650	0	31,672	58,322	0.24	
1/20 through 12/20	17,026,543	0	0	3	15,043	0	20,349	35,392	0.21	
1/21 through 12/21	27,587,965	1	81,391	5	21,515	13,902	29,326	146,134	0.53	
5 YR. TOTAL	122,139,760	1	81,391	31	246,699	13,902	335,331	677,323	0.56	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		8%	0.269	14%	0.286	0.56				
Pure Premium Indicated by National Relativity		35%	0.259	38%	0.236	0.50				
Pure Premium Present on Rate Level		57%	0.223	48%	0.266	0.49				
Pure Premium Derived by Formula		0.239			0.257		0.50			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9101		COLLEGE: ALL OTHER EMPLOYEES							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	460,229,431	60	1,566,136	244	1,835,859	1,118,528	2,826,910	7,347,433	1.60
1/18 through 12/18	485,771,965	41	781,212	240	1,370,215	591,098	2,251,688	4,994,213	1.03
1/19 through 12/19	478,816,804	37	807,168	186	1,145,118	757,705	1,976,626	4,686,617	0.98
1/20 through 12/20	468,552,445	32	1,038,877	166	1,604,908	731,382	2,202,749	5,577,916	1.19
1/21 through 12/21	544,121,052	34	841,456	186	1,878,236	522,907	2,564,147	5,806,746	1.07
5 YR. TOTAL	2,437,491,697	204	5,034,849	1,022	7,834,336	3,721,620	11,822,120	28,412,925	1.17
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		54%	0.528	95%	0.638	1.17			
Pure Premium Indicated by National Relativity		23%	0.637	2%	0.625	1.26			
Pure Premium Present on Rate Level		23%	0.562	3%	0.650	1.21			
Pure Premium Derived by Formula		0.561			0.638		1.20		

CLASS 9102		PARK NOC-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	408,197,739	26	786,202	113	1,889,080	800,103	1,992,119	5,467,504	1.34
1/18 through 12/18	430,288,371	21	846,842	108	1,567,681	644,346	1,488,983	4,547,852	1.06
1/19 through 12/19	449,269,296	17	671,797	106	2,478,055	407,217	2,149,679	5,706,748	1.27
1/20 through 12/20	476,721,441	9	287,183	91	2,063,930	226,695	1,784,264	4,362,072	0.92
1/21 through 12/21	528,830,050	11	640,032	87	2,348,107	496,154	1,633,925	5,118,218	0.97
5 YR. TOTAL	2,293,306,897	84	3,232,056	505	10,346,853	2,574,515	9,048,970	25,202,394	1.10
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		57%	0.592	87%	0.507	1.10			
Pure Premium Indicated by National Relativity		21%	0.791	6%	0.679	1.47			
Pure Premium Present on Rate Level		22%	0.678	7%	0.580	1.26			
Pure Premium Derived by Formula		0.653			0.522		1.18		

CLASS 9154		THEATER NOC: ALL OTHER EMPLOYEES							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	86,627,403	3	38,956	13	73,428	23,419	304,333	440,136	0.51
1/18 through 12/18	92,485,095	2	17,420	12	93,961	24,959	181,338	317,678	0.34
1/19 through 12/19	84,033,797	0	0	10	52,561	0	96,418	148,979	0.18
1/20 through 12/20	43,198,736	1	31,036	11	106,989	93,295	135,376	366,696	0.85
1/21 through 12/21	88,656,030	4	101,286	19	290,918	97,235	275,693	765,132	0.86
5 YR. TOTAL	395,001,061	10	188,698	65	617,857	238,908	993,158	2,038,621	0.52
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	0.204	28%	0.312	0.52			
Pure Premium Indicated by National Relativity		42%	0.407	36%	0.368	0.78			
Pure Premium Present on Rate Level		42%	0.309	36%	0.338	0.65			
Pure Premium Derived by Formula		0.333			0.342		0.68		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9156		THEATER NOC: PLAYERS, ENTERTAINERS OR MUSICIANS							
Industry Group: Office and Clerical Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	24,269,571	0	0	7	46,745	0	58,178	104,923	0.43
1/18 through 12/18	28,861,807	0	0	4	22,428	0	50,194	72,622	0.25
1/19 through 12/19	35,326,681	1	1,435	1	6,863	1,318	31,846	41,462	0.12
1/20 through 12/20	27,594,099	0	0	0	0	0	7,385	7,385	0.03
1/21 through 12/21	35,197,072	0	0	1	5,621	0	13,580	19,201	0.06
5 YR. TOTAL	151,249,230	1	1,435	13	81,657	1,318	161,183	245,593	0.16
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.055	17%	0.107	0.16			
Pure Premium Indicated by National Relativity		44%	0.493	41%	0.422	0.92			
Pure Premium Present on Rate Level		45%	0.372	42%	0.311	0.68			
Pure Premium Derived by Formula		0.390			0.322			0.71	

CLASS 9170		JANITORIAL SERVICES BY CONTRACTORS - INCLUDES WINDOW CLEANING ABOVE GROUND LEVEL & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	14,862,842	2	33,118	6	71,587	56,259	238,797	399,761	2.69
1/18 through 12/18	16,779,176	3	188,509	10	263,227	108,186	249,004	808,926	4.82
1/19 through 12/19	16,523,786	1	1,628	5	128,695	2,943	142,833	276,099	1.67
1/20 through 12/20	19,929,521	4	258,879	4	149,872	280,189	166,140	855,080	4.29
1/21 through 12/21	24,632,504	1	90,682	9	333,233	126,794	247,824	798,533	3.24
5 YR. TOTAL	92,727,829	11	572,816	34	946,614	574,371	1,044,598	3,138,399	3.39
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	1.639	30%	1.746	3.39			
Pure Premium Indicated by National Relativity		38%	2.540	35%	1.903	4.44			
Pure Premium Present on Rate Level		42%	2.013	35%	1.686	3.70			
Pure Premium Derived by Formula		2.138			1.780			3.92	

CLASS 9178		ATHLETIC SPORTS OR PARK: NONCONTACT SPORTS							
Industry Group: Miscellaneous Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	19,248,408	3	29,866	2	57,846	12,660	401,107	501,479	2.61
1/18 through 12/18	21,046,070	2	9,229	4	93,029	14,292	342,244	458,794	2.18
1/19 through 12/19	19,684,049	2	3,317	4	18,931	12,749	321,305	356,302	1.81
1/20 through 12/20	11,525,111	0	0	1	3,109	0	220,751	223,860	1.94
1/21 through 12/21	24,442,840	0	0	4	97,713	0	706,420	804,133	3.29
5 YR. TOTAL	95,946,478	7	42,412	15	270,628	39,701	1,991,827	2,344,568	2.44
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.326	32%	2.117	2.44			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		89%	0.548	68%	1.899	2.45			
Pure Premium Derived by Formula		0.524			1.969			2.49	

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9179		ATHLETIC SPORTS OR PARK: CONTACT SPORTS							
Industry Group: Miscellaneous Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	16,006,998	3	214,455	21	426,764	16,071	404,563	1,061,853	6.63
1/18 through 12/18	15,984,030	5	202,845	43	1,085,747	10,318	659,726	1,958,636	12.25
1/19 through 12/19	16,110,870	2	46,523	17	1,169,799	0	445,757	1,662,079	10.32
1/20 through 12/20	16,385,887	2	123,211	8	296,153	20,271	355,998	795,633	4.86
1/21 through 12/21	19,863,865	0	0	12	403,070	0	810,136	1,213,206	6.11
5 YR. TOTAL	84,351,650	12	587,034	101	3,381,533	46,660	2,676,180	6,691,407	7.93
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		28%	4.705	42%		3.228		7.93	
Pure Premium Indicated by National Relativity		0%	0.000	0%		0.000		0.00	
Pure Premium Present on Rate Level		72%	4.263	58%		3.609		7.87	
Pure Premium Derived by Formula		4.387			3.449		7.84		

CLASS 9180		AMUSEMENT DEVICE OPERATION NOC-NOT TRAVELING-& DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	36,431,225	1	15,172	13	44,783	29,384	231,073	320,412	0.88
1/18 through 12/18	38,230,465	3	38,729	17	78,056	33,729	285,589	436,103	1.14
1/19 through 12/19	33,995,930	2	141,650	11	36,441	147,961	115,214	441,266	1.30
1/20 through 12/20	40,843,576	4	12,239	16	100,886	26,117	252,224	391,466	0.96
1/21 through 12/21	46,389,711	0	0	10	70,862	0	326,342	397,204	0.86
5 YR. TOTAL	195,890,907	10	207,790	67	331,028	237,191	1,210,442	1,986,451	1.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		19%	0.275	35%		0.739		1.01	
Pure Premium Indicated by National Relativity		40%	0.991	32%		1.301		2.29	
Pure Premium Present on Rate Level		41%	0.873	33%		1.107		1.98	
Pure Premium Derived by Formula		0.807			1.040		1.85		

CLASS 9182		ATHLETIC SPORTS OR PARK: OPERATIONS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	38,460,303	0	0	2	19,550	0	93,570	113,120	0.29
1/18 through 12/18	42,747,174	1	16,686	12	44,636	5,707	273,343	340,372	0.80
1/19 through 12/19	43,588,910	0	0	8	41,585	0	93,031	134,616	0.31
1/20 through 12/20	27,491,983	0	0	1	780	0	24,715	25,495	0.09
1/21 through 12/21	42,688,438	1	11,659	11	55,949	481,729	273,663	823,000	1.93
5 YR. TOTAL	194,976,808	2	28,345	34	162,500	487,436	758,322	1,436,603	0.74
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		12%	0.098	23%		0.639		0.74	
Pure Premium Indicated by National Relativity		39%	0.382	38%		0.500		0.88	
Pure Premium Present on Rate Level		49%	0.372	39%		0.493		0.87	
Pure Premium Derived by Formula		0.343			0.529		0.87		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9186		CARNIVAL, CIRCUS OR AMUSEMENT DEVICE OPERATOR-TRAVELING-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	2,796,821	0	0	1	8,883	0	10,850	19,733	0.71
1/18 through 12/18	2,634,565	1	4,678	0	0	0	4,322	9,000	0.34
1/19 through 12/19	2,358,064	0	0	1	3,651	0	5,000	8,651	0.37
1/20 through 12/20	649,148	0	0	0	0	0	0	0	0.00
1/21 through 12/21	1,027,891	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	9,466,489	1	4,678	2	12,534	0	20,172	37,384	0.40
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.182	11%	0.213	0.40			
Pure Premium Indicated by National Relativity		18%	0.948	19%	2.619	3.57			
Pure Premium Present on Rate Level		76%	1.761	70%	2.160	3.92			
Pure Premium Derived by Formula		1.520			2.033			3.55	

CLASS 9220		CEMETERY OPERATIONS & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	15,027,844	1	35,980	5	216,048	85,147	95,960	433,135	2.88
1/18 through 12/18	16,229,428	0	0	5	74,374	0	56,321	130,695	0.81
1/19 through 12/19	15,720,962	2	63,542	8	39,481	66,169	71,569	240,761	1.53
1/20 through 12/20	19,290,588	0	0	10	198,869	0	125,640	324,509	1.68
1/21 through 12/21	19,522,445	2	267,616	8	204,158	67,664	289,697	829,135	4.25
5 YR. TOTAL	85,791,267	5	367,138	36	732,930	218,980	639,187	1,958,235	2.28
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	1.282	21%	1.000	2.28			
Pure Premium Indicated by National Relativity		43%	0.934	39%	0.761	1.70			
Pure Premium Present on Rate Level		43%	1.038	40%	0.938	1.98			
Pure Premium Derived by Formula		1.027			0.882			1.91	

CLASS 9402		STREET CLEANING & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	66,627,794	4	202,646	19	359,738	83,104	252,346	897,834	1.35
1/18 through 12/18	77,707,792	8	335,219	22	865,692	363,999	456,000	2,020,910	2.60
1/19 through 12/19	81,216,810	7	406,376	20	514,984	130,737	434,814	1,486,911	1.83
1/20 through 12/20	86,381,616	6	215,123	30	1,403,573	150,737	614,131	2,383,564	2.76
1/21 through 12/21	99,575,164	5	477,022	21	1,501,645	365,536	779,979	3,124,182	3.14
5 YR. TOTAL	411,509,176	30	1,636,386	112	4,645,632	1,094,113	2,537,270	9,913,401	2.41
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	1.527	45%	0.882	2.41			
Pure Premium Indicated by National Relativity		32%	1.263	27%	0.923	2.19			
Pure Premium Present on Rate Level		33%	1.383	28%	0.878	2.26			
Pure Premium Derived by Formula		1.395			0.892			2.29	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9403		GARBAGE, ASHES OR REFUSE COLLECTION & DRIVERS								
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	182,842,105	15	768,472	67	2,362,037	887,390	1,671,897	5,689,796	3.11	
1/18 through 12/18	185,403,657	10	563,378	85	2,408,203	345,424	1,789,659	5,106,664	2.76	
1/19 through 12/19	213,249,247	11	1,239,197	77	3,338,877	1,158,755	1,897,693	7,634,522	3.58	
1/20 through 12/20	223,075,926	18	1,475,239	81	3,348,777	660,070	2,267,151	7,751,237	3.47	
1/21 through 12/21	255,255,346	22	1,450,301	81	4,052,660	1,093,036	2,148,974	8,744,971	3.43	
5 YR. TOTAL	1,059,826,281	76	5,496,587	391	15,510,554	4,144,675	9,775,374	34,927,190	3.30	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		65%	1.982	89%	1.313	3.30				
Pure Premium Indicated by National Relativity		17%	2.278	5%	1.573	3.85				
Pure Premium Present on Rate Level		18%	1.919	6%	1.333	3.25				
Pure Premium Derived by Formula		2.021			1.327		3.35			

CLASS 9410		MUNICIPAL, TOWNSHIP, COUNTY OR STATE EMPLOYEE NOC								
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	35,693,276	2	146,244	6	13,905	131,751	37,452	329,352	0.92	
1/18 through 12/18	37,671,548	3	317,406	8	72,413	220,582	90,109	700,510	1.86	
1/19 through 12/19	30,396,718	1	9,518	7	197,972	8,186	216,696	432,372	1.42	
1/20 through 12/20	33,061,524	0	0	5	167,179	0	108,647	275,826	0.84	
1/21 through 12/21	31,867,710	1	46,701	7	28,950	22,131	57,361	155,143	0.49	
5 YR. TOTAL	168,690,776	7	519,869	33	480,419	382,650	510,265	1,893,203	1.12	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		14%	0.593	22%	0.529	1.12				
Pure Premium Indicated by National Relativity		43%	0.530	39%	0.462	0.99				
Pure Premium Present on Rate Level		43%	0.514	39%	0.521	1.04				
Pure Premium Derived by Formula		0.532			0.500		1.03			

CLASS 9501		PAINTING: SHOP ONLY & DRIVERS								
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	51,758,888	4	146,508	16	198,056	38,622	254,719	637,905	1.23	
1/18 through 12/18	53,735,800	2	31,320	8	77,663	19,536	112,937	241,456	0.45	
1/19 through 12/19	51,189,605	0	0	12	195,742	0	180,212	375,954	0.73	
1/20 through 12/20	51,632,681	1	6,722	14	295,478	0	224,294	526,494	1.02	
1/21 through 12/21	52,631,904	1	58,182	12	293,672	8,099	336,686	696,639	1.32	
5 YR. TOTAL	260,948,878	8	242,732	62	1,060,611	66,257	1,108,848	2,478,448	0.95	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		18%	0.499	27%	0.450	0.95				
Pure Premium Indicated by National Relativity		41%	0.629	36%	0.564	1.19				
Pure Premium Present on Rate Level		41%	0.571	37%	0.521	1.09				
Pure Premium Derived by Formula		0.582			0.517		1.10			

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9505		PAINTING: AUTOMOBILE OR CARRIAGE BODIES							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	5,270,735	0	0	1	8,257	0	14,407	22,664	0.43
1/18 through 12/18	4,527,615	0	0	3	67,380	0	41,641	109,021	2.41
1/19 through 12/19	4,931,231	1	51,146	2	3,417	17,098	22,312	93,973	1.91
1/20 through 12/20	5,838,810	0	0	2	92,250	0	169,830	262,080	4.49
1/21 through 12/21	5,229,759	0	0	1	12,779	0	3,996	16,775	0.32
5 YR. TOTAL	25,798,150	1	51,146	9	184,083	17,098	252,186	504,513	1.96
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.912	10%	1.044			1.96	
Pure Premium Indicated by National Relativity		24%	0.549	25%	0.506			1.06	
Pure Premium Present on Rate Level		70%	0.782	65%	0.661			1.44	
Pure Premium Derived by Formula		0.734			0.661			1.40	

CLASS 9516		ELECTRONIC EQUIPMENT - INSTALLATION, SERVICE, OR REPAIR - SHOP AND OUTSIDE & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	71,051,530	1	119,707	14	349,182	37,299	183,526	689,714	0.97
1/18 through 12/18	70,996,153	2	26,123	17	355,508	33,215	188,774	603,620	0.85
1/19 through 12/19	72,976,545	1	75,854	12	211,820	37,892	307,058	632,624	0.87
1/20 through 12/20	72,531,127	2	45,690	11	264,369	44,010	263,286	617,355	0.85
1/21 through 12/21	84,889,036	4	179,852	10	415,637	53,623	231,786	880,898	1.04
5 YR. TOTAL	372,444,391	10	447,226	64	1,596,516	206,039	1,174,430	3,424,211	0.92
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	0.549	29%	0.371			0.92	
Pure Premium Indicated by National Relativity		39%	0.565	35%	0.370			0.94	
Pure Premium Present on Rate Level		40%	0.558	36%	0.393			0.95	
Pure Premium Derived by Formula		0.559			0.379			0.94	

CLASS 9519		HOUSEHOLD AND COMMERCIAL APPLIANCES-ELECTRICAL-INSTALLATION, SERVICE OR REPAIR & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	69,450,443	7	121,472	20	315,972	46,958	437,224	921,626	1.33
1/18 through 12/18	73,989,691	6	414,125	21	581,696	375,479	425,772	1,797,072	2.43
1/19 through 12/19	94,173,691	6	170,667	37	668,755	133,831	399,218	1,372,471	1.46
1/20 through 12/20	101,894,907	2	354,190	33	606,739	115,134	543,701	1,619,764	1.59
1/21 through 12/21	111,433,127	6	581,684	26	855,095	415,892	792,373	2,645,044	2.37
5 YR. TOTAL	450,941,859	27	1,642,138	137	3,028,257	1,087,294	2,598,288	8,355,977	1.85
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		31%	1.036	43%	0.817			1.85	
Pure Premium Indicated by National Relativity		34%	1.026	28%	0.626			1.65	
Pure Premium Present on Rate Level		35%	1.018	29%	0.705			1.72	
Pure Premium Derived by Formula		1.026			0.731			1.76	

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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CLASS 9521		HOUSE FURNISHINGS INSTALLATION NOC & UPHOLSTERING							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	40,436,235	1	3,904	13	139,961	0	115,183	259,048	0.64
1/18 through 12/18	39,993,884	1	22,199	6	88,196	9,705	94,971	215,071	0.54
1/19 through 12/19	48,713,002	1	21,408	16	392,859	59,256	141,004	614,527	1.26
1/20 through 12/20	52,986,402	3	70,111	19	373,402	25,037	319,800	788,350	1.49
1/21 through 12/21	65,803,823	1	78,950	9	173,112	14,591	103,503	370,156	0.56
5 YR. TOTAL	247,933,346	7	196,572	63	1,167,530	108,589	774,461	2,247,152	0.91
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	0.550	28%	0.356	0.91			
Pure Premium Indicated by National Relativity		40%	0.723	36%	0.553	1.28			
Pure Premium Present on Rate Level		41%	0.741	36%	0.575	1.32			
Pure Premium Derived by Formula		0.698			0.506		1.20		

CLASS 9522		UPHOLSTERING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	592,198,319	16	1,220,196	75	1,224,915	677,754	995,673	4,118,538	0.70
1/18 through 12/18	552,665,241	14	884,222	88	1,315,560	434,315	1,290,858	3,924,955	0.71
1/19 through 12/19	538,859,344	8	334,134	79	1,446,182	256,575	1,184,233	3,221,124	0.60
1/20 through 12/20	546,784,687	7	372,886	86	2,236,663	242,582	1,488,849	4,340,980	0.79
1/21 through 12/21	649,084,674	11	571,902	110	2,210,669	278,886	1,957,740	5,019,197	0.77
5 YR. TOTAL	2,879,592,265	56	3,383,340	438	8,433,989	1,890,112	6,917,353	20,624,794	0.72
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		51%	0.410	70%	0.306	0.72			
Pure Premium Indicated by National Relativity		24%	0.627	15%	0.447	1.07			
Pure Premium Present on Rate Level		25%	0.441	15%	0.310	0.75			
Pure Premium Derived by Formula		0.470			0.328		0.80		

CLASS 9534		MOBILE CRANE AND HOISTING SERVICE CONTRACTORS-NOC-ALL OPERATIONS & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/17 through 12/17	31,334,017	0	0	8	330,575	0	225,009	555,584	1.77
1/18 through 12/18	28,931,932	1	34,346	6	189,865	16,359	288,204	528,774	1.83
1/19 through 12/19	34,983,049	1	363,971	5	456,061	235,275	450,535	1,505,842	4.30
1/20 through 12/20	34,295,838	1	129,243	4	139,146	91,084	160,347	519,820	1.52
1/21 through 12/21	37,158,847	1	74,589	9	655,286	40,950	410,769	1,181,594	3.18
5 YR. TOTAL	166,703,683	4	602,149	32	1,770,933	383,668	1,534,864	4,291,614	2.58
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	1.424	30%	1.151	2.58			
Pure Premium Indicated by National Relativity		40%	1.149	35%	0.838	1.99			
Pure Premium Present on Rate Level		40%	1.146	35%	0.933	2.08			
Pure Premium Derived by Formula		1.203			0.965		2.17		

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* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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EFFECTIVE 4/1/2025

CLASS 9554		SIGN INSTALLATION, MAINTENANCE, REPAIR OR REMOVAL & DRIVERS								
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	19,985,954	3	218,840	7	118,810	84,617	525,231	947,498	4.74	
1/18 through 12/18	20,897,788	2	31,678	5	17,402	70,391	54,278	173,749	0.83	
1/19 through 12/19	20,663,953	0	0	9	225,669	0	275,716	501,385	2.43	
1/20 through 12/20	20,546,267	2	363,992	13	219,127	144,003	364,891	1,092,013	5.32	
1/21 through 12/21	23,582,461	1	104,886	6	440,415	45,696	270,981	861,978	3.66	
5 YR. TOTAL	105,676,423	8	719,396	40	1,021,423	344,707	1,491,097	3,576,623	3.38	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		20%	1.647	33%	1.737	3.38				
Pure Premium Indicated by National Relativity		40%	1.940	33%	1.513	3.45				
Pure Premium Present on Rate Level		40%	1.819	34%	1.766	3.59				
Pure Premium Derived by Formula		1.833			1.673		3.51			

CLASS 9586		BARBERSHOP, BEAUTY PARLOR OR HAIR STYLING SALON								
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	227,378,407	4	26,420	16	258,214	29,918	151,358	465,910	0.21	
1/18 through 12/18	237,662,642	1	12,748	11	20,304	0	40,691	73,743	0.03	
1/19 through 12/19	223,852,651	1	24,355	10	202,132	37,188	159,973	423,648	0.19	
1/20 through 12/20	231,718,077	1	245,984	9	112,091	232,742	52,881	643,698	0.28	
1/21 through 12/21	277,679,175	0	0	11	308,344	0	285,128	593,472	0.21	
5 YR. TOTAL	1,198,290,952	7	309,507	57	901,085	299,848	690,031	2,200,471	0.18	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		16%	0.101	23%	0.083	0.18				
Pure Premium Indicated by National Relativity		42%	0.115	38%	0.078	0.19				
Pure Premium Present on Rate Level		42%	0.102	39%	0.077	0.18				
Pure Premium Derived by Formula		0.107			0.079		0.19			

CLASS 9600		TAXIDERMIST								
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL	
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	0	0	0	0	0	0	0	0	0.00	
1/18 through 12/18	0	0	0	0	0	0	0	0	0.00	
1/19 through 12/19	92,120	0	0	0	0	0	0	0	0.00	
1/20 through 12/20	82,831	0	0	0	0	0	0	0	0.00	
1/21 through 12/21	191,779	0	0	0	0	0	0	0	0.00	
5 YR. TOTAL	366,730	0	0	0	0	0	0	0	0.00	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		1%	0.000	1%	0.000	0.00				
Pure Premium Indicated by National Relativity		7%	0.156	7%	0.232	0.39				
Pure Premium Present on Rate Level		92%	0.471	92%	0.415	0.89				
Pure Premium Derived by Formula		0.444			0.398		0.84			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
** Pure Premium per employee
++ Non-Standard Calculation

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EFFECTIVE 4/1/2025

CLASS 9620		FUNERAL DIRECTOR & DRIVERS								
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES								
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL	
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.	
1/17 through 12/17	94,012,900	3	167,391	11	442,836	134,543	312,135	1,056,905	1.12	
1/18 through 12/18	94,701,656	3	198,379	8	317,904	118,200	235,067	869,550	0.92	
1/19 through 12/19	96,520,379	1	14,668	6	39,525	30,421	111,281	195,895	0.20	
1/20 through 12/20	108,738,139	2	181,408	14	252,676	77,111	281,241	792,436	0.73	
1/21 through 12/21	112,063,360	5	275,571	10	856,968	149,021	295,480	1,577,040	1.41	
5 YR. TOTAL	506,036,434	14	837,417	49	1,909,909	509,296	1,235,204	4,491,826	0.89	
		INDEMNITY				MEDICAL		TOTAL		
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*				
Indicated Pure Premium		17%	0.543	30%	0.345	0.89				
Pure Premium Indicated by National Relativity		41%	0.288	35%	0.298	0.59				
Pure Premium Present on Rate Level		42%	0.282	35%	0.301	0.58				
Pure Premium Derived by Formula		0.329			0.313		0.64			

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

* Pure Premium per \$100 of Payroll
 ** Pure Premium per employee
 ++ Non-Standard Calculation

NORTH CAROLINA

APPENDIX B-III

Adjustments to Obtain Loss Costs

The following items are combined with the derived by formula pure premium to obtain the proposed loss cost:

1. Test Correction Factor

The payrolls are now extended by the loss costs presently in effect and by the indicated loss costs to determine if the required change in manual premium level as calculated in Exhibit I has been achieved. Since at first this calculation may not yield the required results, an iterative process is initiated which continuously tests the proposed loss costs including tentative test correction factors until the required change in manual premium level is obtained. Initially, the required manual premium change for Office & Clerical was not achieved due to the impact of intermediate rounding on the loss cost calculation for class code 8832. Therefore, the loss cost for this class code was selected to be the value resulting from removing intermediate rounding, and the iterative process was repeated to recalculate the test correction factor. The test correction factor is applied to the derived by formula pure premiums.

The factors referred to above are set out as follows:

	Test Correction Factor
Manufacturing	0.9959
Contracting	0.9884
Office & Clerical	0.9864
Goods & Services	0.9874
Miscellaneous	0.9871

2. Ratios of Manual to Standard Premiums

The ratios of manual to standard premiums by industry group have also been excluded from the classification experience, and it is necessary to apply these factors to the derived by formula pure premiums.

	Ratio of Manual to Standard Premiums
Manufacturing	1.102
Contracting	1.091
Office & Clerical	1.128
Goods & Services	1.043
Miscellaneous	1.042

NORTH CAROLINA

APPENDIX B-III

3. Swing Limits

As a further step, a test is made to make certain that the proposed loss costs fall within the following departures from the present loss costs:

Manufacturing	from 22% above to 28% below
Contracting	from 20% above to 30% below
Office & Clerical	from 17% above to 33% below
Goods & Services	from 19% above to 31% below
Miscellaneous	from 20% above to 30% below

These limits have been calculated in accordance with the following formula:

Max. Deviation = Effect of the final change in loss cost level by industry group plus or minus 25% rounded to the nearest 1%.

The product of the swing limits and the present loss cost sets bounds for the proposed loss cost. If the calculated loss cost falls outside of the bounds, the closest bound is chosen as the proposed loss cost. When a code is limited, the underlying pure premiums are adjusted to reflect the limited loss cost. The classifications which have been so limited are shown below. Note that classifications that are subject to special handling may fall outside of the swing limits.

An illustrative example showing the calculation of a proposed manual class loss cost is attached as Appendix B-IV. This example demonstrates the manner in which the partial pure premiums are combined to produce a total pure premium, and shows the steps in the calculation at which the rounding takes place. The loss costs for other classifications are calculated in the same manner.

* A code listed below with an asterisk indicates the code's swing limit was adjusted by one cent before being applied; this is only performed when the upper and lower bounds calculated by the swing limit are equal.

List of Classifications Limited by the Upper Swing

7394 7395 7398

List of Classifications Limited by the Lower Swing

8820 8855 8871*

NORTH CAROLINA

APPENDIX B-IV

Derivation of Proposed Loss Cost - Code 8810

As previously explained in Appendix B-I, the indicated pure premiums are developed by adjusting the limited losses by a set of conversion factors. The converted losses are then summarized into indemnity and medical and then divided by payroll (in hundreds). The derivation of the indicated pure premium for the above-captioned classification follows:

LIMITED LOSSES (Workers Compensation Statistical Plan)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/17 - 12/31/17	297,500	658,753	173,908	2,045,080	4,453,784	1,294,539	2,961,581	2,014,887	7,673,326
01/01/18 - 12/31/18	192,000	0	0	1,815,822	5,293,433	1,539,757	3,034,245	2,978,957	7,613,850
01/01/19 - 12/31/19	0	206,179	63,593	3,405,921	4,181,416	1,401,711	3,546,678	2,936,027	7,191,893
01/01/20 - 12/31/20	0	680,301	575,769	1,603,658	3,303,336	1,188,915	2,894,155	2,254,204	6,896,740
01/01/21 - 12/31/21	0	1,163,599	0	234,297	2,002,146	1,212,478	3,091,510	2,258,650	6,668,082

PRIMARY CONVERSION FACTORS (Appendix B-I, Section A-1)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/17 - 12/31/17	0.754	0.728	0.754	0.754	0.728	0.754	0.728	0.728	0.723
01/01/18 - 12/31/18	0.800	0.767	0.800	0.800	0.767	0.800	0.767	0.754	0.748
01/01/19 - 12/31/19	0.869	0.820	0.869	0.869	0.820	0.869	0.820	0.780	0.773
01/01/20 - 12/31/20	1.028	0.917	1.028	1.028	0.917	1.028	0.917	0.797	0.792
01/01/21 - 12/31/21	1.642	1.206	1.642	1.642	1.206	1.642	1.206	0.822	0.793

EXPECTED EXCESS PROVISION AND REDISTRIBUTION (Appendix B-I, Section A-2)

After the application of the primary conversion factors, the limited losses are brought to an expected unlimited level through the application of a hazard group-specific excess loss factor. The factor is shown below:

	HAZARD GROUP: C
Excess Factor	1.211

As the excess loss factor is on a combined (indemnity and medical) basis, the following portion of the indemnity expected excess losses are redistributed to medical in order to more accurately allocate expected excess losses:

Redistribution %	40%
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NORTH CAROLINA

APPENDIX B-IV

Derivation of Proposed Loss Cost - Code 8810

EXPECTED UNLIMITED LOSSES (Limited Losses x Primary Conversion Factors, then adjusted for the Excess Provision and Redistribution)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/17 - 12/31/17	252,667	540,186	147,700	1,736,886	3,652,163	1,099,451	2,428,537	2,017,959	7,211,769
01/01/18 - 12/31/18	173,014	0	0	1,636,263	4,573,224	1,387,497	2,621,414	2,958,431	7,433,073
01/01/19 - 12/31/19	0	190,436	62,247	3,333,834	3,862,130	1,372,044	3,275,859	3,129,206	7,278,641
01/01/20 - 12/31/20	0	702,684	666,701	1,856,925	3,412,021	1,376,682	2,989,377	2,466,830	7,144,287
01/01/21 - 12/31/21	0	1,580,666	0	433,341	2,719,773	2,242,522	4,199,597	2,447,884	7,037,540

SECONDARY CONVERSION FACTORS (Appendix B-I, Section A-3)

Policy Period	INDUSTRY GROUP: Office and Clerical
01/01/17 - 12/31/17	0.967
01/01/18 - 12/31/18	0.925
01/01/19 - 12/31/19	0.967
01/01/20 - 12/31/20	0.978
01/01/21 - 12/31/21	0.984

PAYROLL, FINAL CONVERTED LOSSES (Expected Unlimited Losses x Secondary Conversion Factors)

Policy Period	Payroll	Indemnity Likely	Indemnity Not-Likely	Medical Likely	Medical Not-Likely	Total Indemnity	Total Medical	Total
01/01/17 - 12/31/17	43,248,075,064	3,129,893	6,402,397	1,951,366	6,973,781	9,532,290	8,925,147	18,457,437
01/01/18 - 12/31/18	45,800,902,296	2,957,016	6,655,040	2,736,549	6,875,593	9,612,056	9,612,142	19,224,198
01/01/19 - 12/31/19	48,533,261,893	4,610,777	7,086,587	3,025,942	7,038,446	11,697,364	10,064,388	21,761,752
01/01/20 - 12/31/20	50,590,647,891	3,814,501	6,947,792	2,412,560	6,987,113	10,762,293	9,399,673	20,161,966
01/01/21 - 12/31/21	57,026,716,007	2,633,049	8,364,035	2,408,718	6,924,939	10,997,084	9,333,657	20,330,741
Total	245,199,603,151	17,145,236	35,455,851	12,535,135	34,799,872	52,601,087	47,335,007	99,936,094
INDICATED PURE PREMIUM						0.021	0.019	0.04

The pure premiums shown were calculated using unrounded losses, while the converted losses have been rounded for display purposes.

The present on rate level pure premiums are developed by adjusting the pure premiums underlying the current loss cost by the conversion factors calculated in Appendix B-I. The derivation of the present on rate level pure premiums for the above-captioned classification follows:

	Indemnity	Medical	Total
Pure Premiums Underlying Current Loss Cost	0.019	0.021	0.04
Conversion Factors (App. B-I, Section B)	0.929	0.915	xxx
PURE PREMIUMS PRESENT ON RATE LEVEL (Underlying Pure Premiums) x (Conversion Factor)	0.018	0.019	0.04

NORTH CAROLINA

APPENDIX B-IV

Derivation of Proposed Loss Cost - Code 8810
Industry Group - Office and Clerical, Hazard Group - C

The loss cost for the above-captioned classification is derived as follows:

	<u>Indemnity</u>	<u>Medical</u>	<u>Total</u>
1. Indicated Pure Premium	0.021	0.019	0.04
2. Pure Premium Indicated by National Relativity	0.025	0.022	0.05
3. Pure Premium Present on Rate Level	0.018	0.019	0.04
4. State Credibilities	97%	100%	xxx
5. National Credibilities	1%	0%	xxx
6. Residual Credibilities = 100% - (4) - (5)	2%	0%	xxx
7. Derived by Formula Pure Premiums = (1) x (4) + (2) x (5) + (3) x (6)	0.021	0.019	0.04
8. Test Correction Factor	0.9864	0.9864	xxx
9. Underlying Pure Premiums = (7) x (8) *	0.021	0.019	0.04
10. Ratio of Manual to Standard Premium			1.128
11. Loss Cost = (9) x (10)			0.05
12. Loss Cost Within Swing Limits			0.05
Current Loss Cost x Swing Limits			
a) Lower bound = 0.05 x 0.670 = 0.04			
b) Upper bound = 0.05 x 1.170 = 0.05			
13. Pure Premiums Underlying Proposed Loss Cost* = ((13TOT) / (9TOT)) x (9) , (13TOT) = (12) / (10)	0.021	0.019	0.04
14. Miscellaneous Loadings			0.00
15. Final Loaded Loss Cost			0.05

* Indemnity pure premium is adjusted for the rounded total pure premium:
Indemnity Pure Premium = Total Pure Premium - Medical Pure Premium

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APPENDIX B-V

WCSP data is used to determine the F-Classification (F-Class) loss costs. The latest year of WCSP payroll is extended by both the current and proposed loss costs. Based on \$11,181,891 of payroll, the overall loss cost level change in North Carolina is -12.6%.

I. Overview of Methodology

- Ten years of F-Class losses* across all states for which the National Council on Compensation Insurance compiles workers compensation ratemaking data are converted and adjusted to a countrywide level and used with ten years of F-Class countrywide payroll to determine the F-class countrywide pure premiums at both an overall and individual classification level.
- F-class code countrywide relativities are then calculated by comparing the F-class countrywide pure premiums by class to the overall countrywide F-class pure premium. The relativity values are reflected in the table in Section II.
- A single state primary base pure premium is calculated by applying a countrywide to state relativity factor to bring the F-class overall countrywide pure premium to the North Carolina proposed level.
- A final base pure premium is calculated by bringing the primary base pure premium to the proposed North Carolina trend and benefit levels, and applying any applicable expenses and/or offsets.
- Final F-Class loss costs are calculated by applying the countrywide relativity by class code to the final base pure premium and applying swing limits.

*Losses are limited to \$500,000 for a single claim occurrence and \$1,500,000 for each multiple claim occurrence. Texas data is included for policies effective 1/1/2013 and subsequent.

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APPENDIX B-V

II. The F-class code countrywide relativities:

Class Code	(1) 10-Year Countrywide Payroll	(2) 10-Year Expected Unlimited Countrywide Losses	(3) = (2)/((1)/100) Countrywide Pure Premium	(4) = (3)/(3)Overall Countrywide Relativity
6006	414,124,714	15,368,473	3.71	1.427
6801*	27,346,413	722,254	2.64	1.000
6824	447,172,653	12,575,174	2.81	1.081
6825	278,629,234	2,654,069	0.95	0.365
6826	144,020,407	2,070,534	1.44	0.554
6828*	29,276,826	457,014	1.56	1.000
6829*	8,759,538	88,208	1.01	1.000
6843	929,338,676	29,396,645	3.16	1.215
6845	281,500,815	8,701,152	3.09	1.188
6872	1,618,863,209	56,150,653	3.47	1.335
6873*	33,096,319	684,303	2.07	1.000
6874	152,731,608	5,330,294	3.49	1.342
7309	971,348,463	33,700,883	3.47	1.335
7313	702,956,785	10,776,600	1.53	0.588
7317	1,401,745,011	32,773,878	2.34	0.900
7327*	43,082,544	3,224,307	7.48	1.000
7350	703,993,474	20,979,050	2.98	1.146
8709	440,829,790	4,200,289	0.95	0.365
8726	741,743,944	4,171,383	0.56	0.215
9077*	309,799	0	0.00	1.000
Overall	9,370,870,222	244,025,163	2.60	

*Relativities for class codes with a limited amount of data are set to 1.000.

III. Swing Limits

The proposed loss costs are limited to the swing limits based on 15% above and 15% below the current loss costs.

Classifications Limited by the Upper Swing

NONE

Classifications Limited by the Lower Swing

6826	6843	6874	7317
7327	7350	8709	8726

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APPENDIX B-V

Derivation of State Base Pure Premium

	<u>Indemnity</u>	<u>Medical</u>	<u>Total</u>
1. Overall Countrywide Pure Premium			2.60
2. State Act Pure Premium Relativity Factor			1.060
3. Countrywide State Act Weight			25%
4. Primary Base Pure Premium = [(1) x (2) x (3)] + [(1) x (1 - (3))]			2.64
5. Countrywide Weights	53%	47%	100%
6. Trend Factors	0.952	0.946	xx
7. Weighted Benefits	1.000	1.001	xx
8. Weighted Loss-Based Expenses	1.260	1.200	xx
9. Secondary Base Pure Premium = (4tot) x (5) x (6) x (7) x (8)	1.678	1.410	3.09
10. Additional Offsets			1.000
11. Final Base Pure Premium = (9) x (10)			3.09

NORTH CAROLINA

APPENDIX B-V

Derivation of Proposed Loss Cost - Code 6872

Industry Group - F-Class, Hazard Group - G

The loss cost for the above-captioned classification is derived as follows:

1. North Carolina's Final Base Pure Premium	3.09
2. Countrywide Class Code 6872 Relativity (Section II)	1.335
3. Loss Cost = (1) x (2)	4.13
4. Loss Cost Within Swing Limits	4.13
Current Loss Cost x Swing Limits	
a) Lower bound = $4.54 \times 0.85 = 3.86$	
a) Upper bound = $4.54 \times 1.15 = 5.22$	
5. Miscellaneous Loadings	0.00
6. Final Loaded Loss Cost	4.13

NORTH CAROLINA

APPENDIX B-V

U.S. Longshore and Harbor Workers' Compensation Act Assessment

The F-class and Program II, Option II maritime class voluntary loss costs and assigned risk rates include the following provision for the federal assessment:

1.) Assessment Rate on Indemnity Losses *	8.0%
2.) Assessment Rate on Total Losses #	4.5%

* Calculated using data provided by the U.S. Department of Labor

Calculated using U.S. Department of Labor data and on-leveled and developed USL&HW losses - statistical plan data

NORTH CAROLINA

APPENDIX C-I

ANALYSIS OF NORTH CAROLINA MEDICAL FEE SCHEDULE CHANGES EFFECTIVE OCTOBER 1, 2023, JANUARY 1, 2024 AND MARCH 9, 2024

NCCI estimates that changes to North Carolina's medical fee schedules will impact overall workers compensation (WC) system costs as follows:

Effective Date	Type of Service	Impact on Overall WC System Costs
October 1, 2023	Hospital Inpatient	+0.1%
January 1, 2024	Physician, Hospital Outpatient, and Ambulatory Surgical Center	-0.1%
March 9, 2024	Physician	+0.2%

SUMMARY OF CHANGES

Changes to the medical fee schedules adopted by the North Carolina Industrial Commission are described below.

Effective October 1, 2023

- Hospital Inpatient Services
 - Updated the maximum reimbursement rates for Hospital Inpatient services performed in a non-critical access hospital from 160% of Medicare's 2023 Hospital Inpatient Prospective Payment System (IPPS) rates to 160% of Medicare's 2024 IPPS rates.

Effective January 1, 2024

- Physician Services
 - Updated the maximum reimbursement rates for professional services to be based on Medicare's 2024 Resource-Based Relative Value Scale (RBRVS). Previously, the maximum reimbursement rates were based on Medicare's 2023 RBRVS.
- Hospital Outpatient Services
 - Updated the maximum reimbursement rates for Hospital Outpatient services performed in a non-critical access hospital from 200% of Medicare's 2023 Hospital Outpatient Prospective Payment System (OPPS) rates to 200% of Medicare's 2024 OPPS rates.
- Ambulatory Surgical Center Services
 - Updated the maximum reimbursement rates for Ambulatory Surgical Center (ASC) services from 200% of Medicare's 2023 ASC payment rates to 200% of Medicare's 2024 ASC payment rates.

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ANALYSIS OF NORTH CAROLINA MEDICAL FEE SCHEDULE CHANGES EFFECTIVE OCTOBER 1, 2023, JANUARY 1, 2024 AND MARCH 9, 2024

Effective March 9, 2024

- Physician Services
 - The maximum reimbursement for physician services was updated to be based on the updated Medicare conversion factor adopted under the 2024 Consolidated Appropriations Act. Note that Clinical Laboratory services and services covered under the Commission Assigned Codes, including anesthesia codes ANT01 and ANT02, were not affected by the 1.68% Medicare conversion factor increase.

ACTUARIAL ANALYSIS

NCCI's methodology to evaluate the impact of medical fee schedule changes includes three major steps:

1. Calculate the percentage change in maximum reimbursements
 - Compare the prior and revised maximum reimbursements by procedure code to determine the percentage change by procedure code. For hospital inpatient services, the prior and revised maximum reimbursements are compared by episode.
 - Calculate the weighted-average percentage change in maximum reimbursements for the fee schedule using observed payments by procedure code as weights. For hospital inpatient services, the observed payments by episode are used as weights. For hospital outpatient and ASC services, observed payments are aggregated according to packaging rules, where applicable.
2. Determine the share of costs that are subject to the fee schedule
 - The share is based on a combination of fields, such as procedure code, provider type, and place of service, as reported on the NCCI Medical Data Call, to categorize payments that are subject to the fee schedule.
 - Any potential impact from the share of costs not subject to the fee schedule will be realized in future claim experience and reflected in subsequent loss cost filings, as appropriate.
3. Estimate the price level change as a result of the revised fee schedule
 - NCCI research by David Colón and Paul Hendrick, "The Impact of Fee Schedule Updates on Physician Payments" (2018), suggests that approximately 80% of the change in maximum reimbursements for physician fee schedules is realized on payments impacted by the change.
 - For facility fee schedule changes, a price realization factor of 80% is assumed.

Note that the values presented in the document are rounded and may not be displayed to full precision.

NORTH CAROLINA

APPENDIX C-I

ANALYSIS OF NORTH CAROLINA MEDICAL FEE SCHEDULE CHANGES EFFECTIVE OCTOBER 1, 2023, JANUARY 1, 2024 AND MARCH 9, 2024

In this analysis, NCCI relies primarily on two data sources:

- Detailed medical data underlying the calculations in this analysis are based on NCCI's Medical Data Call for North Carolina for Service Year 2022. Reported medical experience for COVID-19 claims as reported in NCCI Call 31 for Large Loss and Catastrophe have been excluded from the data on which this analysis is based.
- The share of benefit costs attributed to medical benefits is based on NCCI's Financial Call data for North Carolina from Policy Years 2020 and 2021 projected to the effective date of the benefit changes.

SUMMARY OF IMPACTS

The impact from the fee schedule change in North Carolina, effective October 1, 2023, is summarized below.

	(A)	(B)	(C) = (A) x (B)	(D)	(E) = (C) x (D)
Type of Service	Impact on Type of Service	Share of Medical Costs	Impact on Medical Costs	Medical Costs as a Share of Overall Costs	Impact on Overall Costs
Hospital Inpatient	+1.6%	13.3%	+0.2%	47%	+0.1%

The impacts from the fee schedule changes in North Carolina, effective January 1, 2024, are summarized below.

Type of Service	(A) Impact on Type of Service	(B) Share of Medical Costs	(C) = (A) x (B) Impact on Medical Costs
Physician	-2.2%	41.6%	-0.9%
Hospital Outpatient	+2.1%	18.5%	+0.4%
ASC	+4.3%	5.2%	+0.2%
Combined Impact on Medical Costs (D) = Total of (C)			-0.3%
Medical Costs as a Share of Overall Costs (E)			47%
Combined Impact on Overall Costs (F) = (D) x (E)			-0.1%

NORTH CAROLINA

APPENDIX C-I

ANALYSIS OF NORTH CAROLINA MEDICAL FEE SCHEDULE CHANGES EFFECTIVE OCTOBER 1, 2023, JANUARY 1, 2024 AND MARCH 9, 2024

The impacts from the fee schedule change in North Carolina, effective March 9, 2024, is summarized below.

	(A)	(B)	(C) = (A) x (B)	(D)	(E) = (C) x (D)
Type of Service	Impact on Type of Service	Share of Medical Costs	Impact on Medical Costs	Medical Costs as a Share of Overall Costs	Impact on Overall Costs
Physician	+1.1%	41.6%	+0.5%	47%	+0.2%

The impact on medical costs from all three fee schedule changes effective October 1, 2023, January 1, 2024, and March 9, 2024, are combined to determine the Factor to Reflect Proposed Changes in Medical Benefits (Exhibit I):

Date of Change	Impact on Medical Costs
October 1, 2023	+0.2%
January 1, 2024	-0.3%
March 9, 2024	+0.5%
Combined Impact	+0.4%

Refer to the appendix for the weighted-average changes in MARs by physician practice category, the share of costs subject to the fee schedule by type of service, and the weighted-average change in MAR by type of service.

NON-QUANTIFIED CHANGES

- Maximum reimbursement for dental services, durable medical equipment, supplies, orthotics and prostheses, and ambulance services are also governed by the fee schedule in North Carolina. The share of these payments with a MAR makes up a small portion of medical costs. Therefore, the impact on overall costs due to updating the fee schedule for these services is not anticipated to be material. As such, any potential impact from this change will be realized in future claim experience and reflected in subsequent loss cost filings in North Carolina, as appropriate.

NORTH CAROLINA

APPENDIX C-I

**ANALYSIS OF NORTH CAROLINA MEDICAL FEE SCHEDULE CHANGES
EFFECTIVE OCTOBER 1, 2023, JANUARY 1, 2024 AND MARCH 9, 2024**

APPENDIX

Weighted-Average Percentage Change in MARs Prior to Price Realization by Physician Practice Category

Physician Practice Category	Share of Physician Costs	Percentage Change in MARs 1/1/2024	Percentage Change in MARs 3/9/2024
Anesthesia	1.8%	0.0%	0.0%
Major Surgery	13.1%	-3.5%	+1.7%
Pain Management	1.4%	-3.3%	+1.7%
Radiology	8.6%	-4.0%	+1.7%
Physical Medicine	34.1%	-3.7%	+1.7%
Evaluation & Management	21.0%	-2.3%	+1.7%
Emergency Medicine	1.6%	-4.1%	+1.7%
Neurology	0.6%	+3.4%	+1.7%
Clinical Laboratory	0.5%	0.0%	0.0%
Other Professional Services	3.0%	-2.9%	+1.6%
Subject to the Fee Schedule	85.7%	-3.2%	+1.6%
Payments with no specific MAR	14.3%	-	-
Total Physician Costs	100.0%	-2.7%	+1.4%

*Healthcare Common Procedure Coding System

Share of Costs Subject to the Fee Schedule (FS) and Weighted-Average Percentage Change in MARs by Type of Service

	(A)	(B)	(C) = (A) x (B)	(D) = (C) x 80%
Type of Service	Change in MARs for Costs Subject to the FS	Share of Costs Subject to the FS	Change in MARs by Type of Service	Impact after Price Realization
Physician (1/1/2024)	-3.2%	85.7%	-2.7%	-2.2%
Physician (3/9/2024)	+1.6%	85.7%	+1.4%	+1.1%
Hospital Inpatient	+2.9%	67.3%	+2.0%	+1.6%
Hospital Outpatient	+3.1%	85.4%	+2.6%	+2.1%
ASC	+5.8%	92.7%	+5.4%	+4.3%

NORTH CAROLINA

APPENDIX D

Data Reporting Requirements - G.S. 58-36-15 (g) and (h)

Item (g)

- (1) A detailed list of the rates, loss costs, rules, and policy forms filed, accompanied by a list of those superseded; and
- (2) A detailed description, properly referenced, of all changes in policy forms, rules, prospective loss costs, and rates, including the effect of each change.

Response

See the summary page at the beginning of Exhibit RB-1 and Appendix E.

Item (h)

- (1) North Carolina earned premiums at the actual and current rate level; losses and loss adjustment expenses, each on paid and incurred bases without trending or other modification for the experience period, including the loss ratio anticipated at the time the rates were promulgated for the experience period;
- (2) Credibility factor development and application;
- (3) Loss development factor derivation and application on both paid and incurred bases and in both numbers and dollars of claims;
- (4) Trending factor development and application;
- (5) Changes in premium base resulting from rating exposure trends;
- (6) Limiting factor development and application;
- (7) Overhead expense development and application of commission and brokerage, other acquisition expenses, general expenses, taxes, licenses and fees;
- (8) Percent rate or prospective loss costs change;
- (9) Final proposed rates;
- (10) Investment earnings, consisting of investment income and realized plus unrealized capital gains, from loss, loss expense, and unearned premium reserves;
- (11) Identification of applicable statistical plans and programs and a certification of compliance with them;
- (12) Investment earnings on capital and surplus;
- (13) Level of capital and surplus needed to support premium writings without endangering the solvency of member companies; and
- (14) Such other information that may be required by any rule adopted by the Commissioner.

Response

To the extent that G. S. 58-36-15 (h) applies to workers' compensation insurance voluntary loss costs and residual market rate filings, the required information is included in the 11 NCAC 10.1111 responses.

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
0005	1.31	1.16	-11.5%
0008	1.01	0.92	-8.9%
0016	1.93	1.67	-13.5%
0034	1.63	1.49	-8.6%
0035	0.98	0.96	-2.0%
0036	1.66	1.62	-2.4%
0037	1.61	1.48	-8.1%
0042	2.09	1.93	-7.7%
0050	2.92	2.67	-8.6%
0079	0.97	0.89	-8.2%
0083	1.93	1.77	-8.3%
0106	5.49	4.80	-12.6%
0113	1.80	1.60	-11.1%
0170	1.02	0.99	-2.9%
0251	2.07	1.97	-4.8%
0401	3.61	3.22	-10.8%
0771	0.21	0.20	-4.8%
0908	79.00	70.00	-11.4%
0913	194.00	176.00	-9.3%
0917	1.78	1.55	-12.9%
1005	3.28	3.01	-8.2%
1164	1.69	1.65	-2.4%
1165	1.35	1.32	-2.2%
1320	0.91	0.86	-5.5%
1322	4.10	3.92	-4.4%
1430	2.51	2.44	-2.8%
1438	1.79	1.55	-13.4%
1452	0.97	0.88	-9.3%
1463	3.81	3.38	-11.3%
1472	1.24	1.25	0.8%
1624	1.44	1.29	-10.4%
1642	1.16	1.20	3.4%
1654	3.67	3.26	-11.2%
1699	1.20	1.23	2.5%
1701	1.20	1.08	-10.0%
1710	2.09	1.91	-8.6%
1747	1.16	1.23	6.0%
1748	2.00	1.87	-6.5%
1803	2.98	2.59	-13.1%
1924	1.44	1.39	-3.5%
1925	1.82	1.63	-10.4%
2002	1.58	1.55	-1.9%
2003	1.36	1.47	8.1%
2014	2.05	2.02	-1.5%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
2016	1.13	1.17	3.5%
2021	1.41	1.45	2.8%
2039	1.24	1.33	7.3%
2041	1.15	1.07	-7.0%
2065	0.96	0.95	-1.0%
2070	2.34	2.35	0.4%
2081	1.70	1.60	-5.9%
2089	1.01	1.01	0.0%
2095	1.37	1.19	-13.1%
2105	1.63	1.62	-0.6%
2110	1.36	1.40	2.9%
2111	0.93	0.91	-2.2%
2112	2.02	1.94	-4.0%
2114	0.98	0.89	-9.2%
2121	0.62	0.60	-3.2%
2130	1.03	0.97	-5.8%
2131	0.76	0.73	-3.9%
2143	1.09	1.11	1.8%
2157	1.60	1.58	-1.3%
2172	0.79	0.84	6.3%
2174	1.50	1.48	-1.3%
2211	3.09	3.12	1.0%
2220	1.26	1.21	-4.0%
2288	1.93	1.81	-6.2%
2302	0.92	0.91	-1.1%
2305	1.16	1.18	1.7%
2361	0.90	0.87	-3.3%
2362	1.26	1.15	-8.7%
2380	0.88	0.91	3.4%
2388	0.53	0.53	0.0%
2402	1.09	0.97	-11.0%
2413	1.13	1.05	-7.1%
2416	1.22	1.14	-6.6%
2417	0.75	0.69	-8.0%
2501	1.05	1.01	-3.8%
2503	0.52	0.51	-1.9%
2570	1.51	1.48	-2.0%
2585	1.41	1.36	-3.5%
2586	1.46	1.69	15.8%
2587	1.32	1.34	1.5%
2589	0.89	0.79	-11.2%
2600	2.03	1.88	-7.4%
2623	2.48	2.31	-6.9%
2651	0.64	0.58	-9.4%

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APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
2660	1.01	0.95	-5.9%
2688	0.99	0.93	-6.1%
2702	9.96	9.52	-4.4%
2705	26.45	24.62	-6.9%
2709	3.63	3.27	-9.9%
2710	3.41	2.76	-19.1%
2714	1.78	1.83	2.8%
2727	4.76	4.36	-8.4%
2731	1.84	1.86	1.1%
2735	1.96	1.95	-0.5%
2759	2.44	2.33	-4.5%
2790	0.81	0.79	-2.5%
2797	1.84	1.66	-9.8%
2799	2.92	3.45	18.2%
2802	1.96	1.90	-3.1%
2835	1.08	0.99	-8.3%
2836	1.19	1.09	-8.4%
2841	1.53	1.42	-7.2%
2881	1.27	1.19	-6.3%
2883	1.67	1.51	-9.6%
2915	1.18	1.16	-1.7%
2916	1.46	1.41	-3.4%
2923	0.71	0.73	2.8%
2960	1.89	1.85	-2.1%
3004	0.68	0.72	5.9%
3018	1.35	1.33	-1.5%
3022	1.78	1.76	-1.1%
3027	0.90	0.91	1.1%
3028	1.41	1.34	-5.0%
3030	2.11	1.87	-11.4%
3040	1.83	1.70	-7.1%
3041	1.46	1.43	-2.1%
3042	1.38	1.26	-8.7%
3064	1.40	1.32	-5.7%
3076	1.22	1.07	-12.3%
3081	1.49	1.45	-2.7%
3082	1.60	1.71	6.9%
3085	2.07	2.07	0.0%
3110	1.64	1.49	-9.1%
3111	1.17	1.12	-4.3%
3113	0.82	0.77	-6.1%
3114	1.14	1.04	-8.8%
3118	0.77	0.76	-1.3%
3119	0.31	0.29	-6.5%

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APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
3122	0.94	0.94	0.0%
3126	0.71	0.69	-2.8%
3131	0.65	0.62	-4.6%
3132	1.07	0.97	-9.3%
3145	0.79	0.74	-6.3%
3146	0.83	0.79	-4.8%
3169	1.05	0.98	-6.7%
3179	0.74	0.72	-2.7%
3180	0.92	0.89	-3.3%
3188	0.69	0.65	-5.8%
3220	0.98	0.89	-9.2%
3224	1.48	1.38	-6.8%
3227	1.56	1.50	-3.8%
3241	1.27	1.28	0.8%
3255	1.05	1.02	-2.9%
3257	1.27	1.28	0.8%
3270	0.93	0.89	-4.3%
3300	1.90	1.70	-10.5%
3303	1.08	1.12	3.7%
3307	1.10	1.06	-3.6%
3315	1.56	1.43	-8.3%
3334	1.56	1.73	10.9%
3336	1.01	1.05	4.0%
3365	2.66	2.53	-4.9%
3372	1.14	1.16	1.8%
3373	1.70	1.65	-2.9%
3383	0.61	0.60	-1.6%
3385	0.46	0.45	-2.2%
3400	1.19	1.16	-2.5%
3507	0.90	0.90	0.0%
3515	0.73	0.71	-2.7%
3548	0.69	0.67	-2.9%
3559	0.94	0.83	-11.7%
3574	0.45	0.41	-8.9%
3581	0.51	0.45	-11.8%
3612	0.77	0.68	-11.7%
3620	1.29	1.16	-10.1%
3629	0.64	0.63	-1.6%
3632	0.95	0.89	-6.3%
3634	0.64	0.67	4.7%
3635	0.61	0.60	-1.6%
3638	0.81	0.77	-4.9%
3642	0.71	0.66	-7.0%
3643	0.78	0.73	-6.4%

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Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
3647	1.03	1.08	4.9%
3648	0.53	0.45	-15.1%
3681	0.34	0.31	-8.8%
3685	0.40	0.40	0.0%
3719	0.43	0.46	7.0%
3724	1.78	1.68	-5.6%
3726	1.96	1.73	-11.7%
3803	1.00	1.04	4.0%
3807	0.73	0.71	-2.7%
3808	2.59	2.81	8.5%
3821	2.45	2.32	-5.3%
3822	1.80	1.85	2.8%
3824	1.67	1.59	-4.8%
3826	0.31	0.31	0.0%
3827	0.72	0.72	0.0%
3830	0.63	0.62	-1.6%
3851	0.81	0.76	-6.2%
3865	1.20	1.16	-3.3%
3881	1.49	1.44	-3.4%
4000	2.28	2.32	1.8%
4021	1.59	1.49	-6.3%
4024	1.53	1.44	-5.9%
4034	2.92	3.05	4.5%
4036	1.01	0.94	-6.9%
4038	1.16	1.08	-6.9%
4062	1.16	1.04	-10.3%
4101	1.07	1.14	6.5%
4109	0.22	0.22	0.0%
4110	0.34	0.32	-5.9%
4111	0.89	0.95	6.7%
4114	1.26	1.21	-4.0%
4130	1.40	1.43	2.1%
4131	3.28	3.37	2.7%
4133	1.04	1.09	4.8%
4149	0.34	0.33	-2.9%
4206	1.14	1.02	-10.5%
4207	0.88	0.88	0.0%
4239	1.08	1.15	6.5%
4240	1.21	1.09	-9.9%
4243	0.84	0.88	4.8%
4244	0.97	1.00	3.1%
4250	0.81	0.80	-1.2%
4251	1.36	1.25	-8.1%
4263	1.40	1.48	5.7%

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Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
4273	1.15	1.05	-8.7%
4279	1.30	1.32	1.5%
4283	0.88	0.85	-3.4%
4299	0.78	0.79	1.3%
4304	2.14	2.01	-6.1%
4307	0.65	0.67	3.1%
4351	0.71	0.65	-8.5%
4352	0.65	0.60	-7.7%
4361	0.40	0.35	-12.5%
4410	1.31	1.25	-4.6%
4420	1.56	1.45	-7.1%
4431	0.58	0.52	-10.3%
4432	0.49	0.53	8.2%
4452	1.05	1.04	-1.0%
4459	1.20	1.21	0.8%
4470	0.96	1.05	9.4%
4484	1.07	1.04	-2.8%
4493	0.97	0.89	-8.2%
4511	0.18	0.17	-5.6%
4557	1.07	0.99	-7.5%
4558	0.83	0.80	-3.6%
4568	1.13	1.11	-1.8%
4581	0.43	0.36	-16.3%
4583	2.25	2.15	-4.4%
4611	0.40	0.39	-2.5%
4635	1.26	1.31	4.0%
4653	1.04	1.07	2.9%
4665	3.50	3.75	7.1%
4683	1.46	1.53	4.8%
4686	0.76	0.83	9.2%
4692	0.32	0.29	-9.4%
4693	0.38	0.39	2.6%
4703	0.65	0.67	3.1%
4717	0.89	0.89	0.0%
4720	0.76	0.80	5.3%
4740	0.51	0.52	2.0%
4741	1.22	1.21	-0.8%
4751	1.68	1.80	7.1%
4771	1.20	1.14	-5.0%
4777	1.31	1.34	2.3%
4825	0.39	0.37	-5.1%
4828	0.82	0.80	-2.4%
4829	0.60	0.54	-10.0%
4902	0.86	0.83	-3.5%

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Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
4923	0.44	0.44	0.0%
5020	2.66	2.51	-5.6%
5022	3.29	3.16	-4.0%
5037	4.22	3.76	-10.9%
5040	3.75	3.41	-9.1%
5057	2.28	1.95	-14.5%
5059	7.34	6.46	-12.0%
5102	2.68	2.60	-3.0%
5146	2.08	2.08	0.0%
5160	1.14	1.10	-3.5%
5183	1.53	1.46	-4.6%
5188	1.67	1.64	-1.8%
5190	1.60	1.48	-7.5%
5191	0.45	0.40	-11.1%
5192	1.19	1.21	1.7%
5213	2.86	2.62	-8.4%
5215	2.20	1.97	-10.5%
5221	1.73	1.67	-3.5%
5222	3.24	3.12	-3.7%
5223	2.04	1.83	-10.3%
5348	1.73	1.67	-3.5%
5402	2.94	2.89	-1.7%
5403	2.49	2.42	-2.8%
5437	2.44	2.21	-9.4%
5443	1.70	1.60	-5.9%
5445	4.08	4.06	-0.5%
5462	2.52	2.50	-0.8%
5472	3.34	3.00	-10.2%
5473	4.77	4.58	-4.0%
5474	3.06	2.90	-5.2%
5478	1.56	1.41	-9.6%
5479	2.86	2.65	-7.3%
5480	2.89	2.65	-8.3%
5491	1.07	1.10	2.8%
5506	2.29	2.14	-6.6%
5507	1.86	1.89	1.6%
5535	3.40	3.26	-4.1%
5537	1.91	1.85	-3.1%
5551	7.48	6.85	-8.4%
5606	0.43	0.40	-7.0%
5610	2.33	2.12	-9.0%
5645	6.90	6.64	-3.8%
5703	5.96	6.54	9.7%
5705	9.37	8.27	-11.7%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
5951	0.22	0.21	-4.5%
6003	2.54	2.37	-6.7%
6005	2.83	2.57	-9.2%
6018	1.41	1.52	7.8%
6045	2.34	2.08	-11.1%
6204	3.17	3.03	-4.4%
6206	1.25	1.23	-1.6%
6213	1.01	0.96	-5.0%
6214	0.71	0.68	-4.2%
6216	3.22	3.11	-3.4%
6217	2.07	2.07	0.0%
6229	2.06	1.78	-13.6%
6233	0.89	0.86	-3.4%
6235	2.58	2.48	-3.9%
6236	2.64	2.45	-7.2%
6237	0.74	0.73	-1.4%
6251	1.77	1.96	10.7%
6252	1.47	1.55	5.4%
6306	2.08	1.88	-9.6%
6319	1.58	1.47	-7.0%
6325	1.70	1.71	0.6%
6400	2.04	1.84	-9.8%
6503	1.07	1.07	0.0%
6504	1.35	1.34	-0.7%
6702	2.04	1.91	-6.4%
6703	3.23	3.01	-6.8%
6704	2.27	2.12	-6.6%
6801	3.30	3.09	-6.4%
6811	2.37	2.06	-13.1%
6824	3.91	3.34	-14.6%
6826	2.20	1.87	-15.0%
6834	1.34	1.18	-11.9%
6836	1.55	1.29	-16.8%
6843	4.71	4.01	-14.9%
6845	3.33	3.67	10.2%
6854	2.54	2.41	-5.1%
6872	4.54	4.13	-9.0%
6874	8.49	7.22	-15.0%
6882	1.50	1.37	-8.7%
6884	1.62	1.49	-8.0%
7016	1.99	1.91	-4.0%
7024	2.21	2.12	-4.1%
7038	3.20	3.19	-0.3%
7046	2.89	2.81	-2.8%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
7047	3.15	3.01	-4.4%
7050	5.06	5.03	-0.6%
7090	3.55	3.54	-0.3%
7098	3.21	3.12	-2.8%
7099	4.58	4.43	-3.3%
7133	1.76	1.48	-15.9%
7151	2.14	1.80	-15.9%
7152	3.39	2.84	-16.2%
7153	2.38	2.00	-16.0%
7219	4.28	4.27	-0.2%
7222	4.02	3.74	-7.0%
7225	4.13	3.58	-13.3%
7230	4.15	4.01	-3.4%
7231	4.72	4.26	-9.7%
7232	5.36	5.23	-2.4%
7309	4.59	4.13	-10.0%
7313	2.04	1.82	-10.8%
7317	4.10	3.49	-14.9%
7327	8.81	7.49	-15.0%
7333	1.45	1.31	-9.7%
7335	1.61	1.46	-9.3%
7337	2.30	2.07	-10.0%
7350	5.50	4.68	-14.9%
7360	2.38	2.27	-4.6%
7370	2.48	2.47	-0.4%
7380	2.78	2.53	-9.0%
7382	2.62	2.71	3.4%
7390	1.93	1.86	-3.6%
7394	1.94	2.32	19.6%
7395	2.15	2.58	20.0%
7398	3.07	3.66	19.2%
7402	0.06	0.06	0.0%
7403	2.05	1.96	-4.4%
7405	0.79	0.74	-6.3%
7420	3.25	3.55	9.2%
7421	0.38	0.31	-18.4%
7422	0.59	0.50	-15.3%
7425	1.03	1.10	6.8%
7431	0.60	0.49	-18.3%
7445	0.26	0.25	-3.8%
7453	0.20	0.16	-20.0%
7502	0.94	1.00	6.4%
7515	0.54	0.52	-3.7%
7520	1.22	1.10	-9.8%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
7529	4.82	4.61	-4.4%
7538	1.52	1.41	-7.2%
7539	0.74	0.72	-2.7%
7540	1.89	1.81	-4.2%
7580	1.28	1.26	-1.6%
7590	1.78	1.70	-4.5%
7600	2.66	2.41	-9.4%
7605	1.25	1.13	-9.6%
7610	0.24	0.25	4.2%
7705	2.50	2.44	-2.4%
7710	1.82	1.97	8.2%
7711	1.82	1.97	8.2%
7720	1.48	1.40	-5.4%
7723	0.99	0.95	-4.0%
7855	1.68	1.57	-6.5%
8001	1.08	0.93	-13.9%
8002	0.89	0.82	-7.9%
8006	1.07	0.97	-9.3%
8008	0.54	0.47	-13.0%
8010	0.79	0.71	-10.1%
8013	0.15	0.14	-6.7%
8015	0.34	0.33	-2.9%
8017	0.68	0.65	-4.4%
8018	1.38	1.40	1.4%
8021	1.06	0.99	-6.6%
8031	0.88	0.77	-12.5%
8032	0.81	0.76	-6.2%
8033	0.82	0.78	-4.9%
8037	0.69	0.69	0.0%
8039	0.80	0.81	1.3%
8044	1.24	1.11	-10.5%
8045	0.34	0.32	-5.9%
8046	1.17	1.04	-11.1%
8047	0.40	0.37	-7.5%
8058	1.09	0.93	-14.7%
8072	0.36	0.34	-5.6%
8102	0.79	0.82	3.8%
8103	1.19	1.05	-11.8%
8106	1.69	1.47	-13.0%
8107	1.33	1.22	-8.3%
8111	0.98	0.89	-9.2%
8116	0.94	0.87	-7.4%
8203	3.28	2.94	-10.4%
8204	1.94	1.68	-13.4%

NORTH CAROLINA

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Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
8209	1.50	1.47	-2.0%
8215	1.48	1.38	-6.8%
8227	1.74	1.72	-1.1%
8232	2.24	2.28	1.8%
8233	1.50	1.54	2.7%
8235	1.83	1.69	-7.7%
8236	2.22	2.16	-2.7%
8263	2.64	2.50	-5.3%
8264	2.03	1.99	-2.0%
8265	2.43	2.28	-6.2%
8279	2.79	2.66	-4.7%
8288	3.02	2.73	-9.6%
8291	1.63	1.57	-3.7%
8292	1.52	1.44	-5.3%
8293	3.40	3.12	-8.2%
8304	2.43	2.27	-6.6%
8350	3.63	3.02	-16.8%
8380	0.91	0.84	-7.7%
8381	0.83	0.76	-8.4%
8385	1.20	1.10	-8.3%
8392	0.95	0.88	-7.4%
8393	0.80	0.73	-8.8%
8500	2.83	2.56	-9.5%
8601	0.12	0.12	0.0%
8602	0.58	0.56	-3.4%
8603	0.03	0.03	0.0%
8606	0.72	0.59	-18.1%
8709	2.22	1.89	-14.9%
8719	0.88	0.76	-13.6%
8720	0.50	0.43	-14.0%
8721	0.16	0.12	-25.0%
8723	0.06	0.05	-16.7%
8725	0.91	0.78	-14.3%
8726	1.17	1.00	-14.5%
8734	0.16	0.15	-6.3%
8737	0.15	0.13	-13.3%
8738	0.23	0.21	-8.7%
8742	0.12	0.11	-8.3%
8745	1.78	1.69	-5.1%
8748	0.26	0.21	-19.2%
8755	0.15	0.14	-6.7%
8799	0.23	0.23	0.0%
8800	0.69	0.72	4.3%
8803	0.02	0.02	0.0%

NORTH CAROLINA

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Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
8805	0.07	0.07	0.0%
8810	0.05	0.05	0.0%
8814	0.06	0.06	0.0%
8815	0.10	0.10	0.0%
8820	0.05	0.04	-20.0%
8824	1.12	1.02	-8.9%
8826	0.86	0.82	-4.7%
8831	0.55	0.52	-5.5%
8832	0.15	0.13	-13.3%
8833	0.49	0.44	-10.2%
8835	0.93	0.91	-2.2%
8842	0.99	0.89	-10.1%
8855	0.05	0.04	-20.0%
8856	0.27	0.25	-7.4%
8864	0.47	0.41	-12.8%
8868	0.21	0.20	-4.8%
8869	0.48	0.45	-6.2%
8871	0.03	0.02	-33.3%
8901	0.09	0.08	-11.1%
9012	0.41	0.37	-9.8%
9014	1.25	1.13	-9.6%
9015	1.15	1.14	-0.9%
9016	0.87	0.81	-6.9%
9019	1.56	1.55	-0.6%
9033	0.84	0.82	-2.4%
9040	1.35	1.17	-13.3%
9044	0.52	0.53	1.9%
9052	0.64	0.59	-7.8%
9058	0.65	0.59	-9.2%
9060	0.61	0.57	-6.6%
9061	0.50	0.48	-4.0%
9062	0.52	0.49	-5.8%
9063	0.34	0.29	-14.7%
9077	2.78	3.09	11.2%
9082	0.53	0.48	-9.4%
9083	0.50	0.50	0.0%
9084	0.52	0.49	-5.8%
9089	0.41	0.40	-2.4%
9093	0.54	0.51	-5.6%
9101	1.35	1.23	-8.9%
9102	1.38	1.21	-12.3%
9154	0.71	0.70	-1.4%
9156	0.84	0.79	-6.0%
9170	4.11	4.04	-1.7%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/24</u>	<u>Proposed 04/01/25</u>	<u>Percent Change</u>
9178	2.69	2.56	-4.8%
9179	8.62	8.07	-6.4%
9180	2.17	1.90	-12.4%
9182	0.95	0.90	-5.3%
9186	4.30	3.66	-14.9%
9220	2.20	1.97	-10.5%
9402	2.47	2.35	-4.9%
9403	3.56	3.45	-3.1%
9410	1.15	1.06	-7.8%
9501	1.24	1.21	-2.4%
9505	1.63	1.53	-6.1%
9516	1.06	0.97	-8.5%
9519	1.92	1.81	-5.7%
9521	1.49	1.32	-11.4%
9522	0.85	0.88	3.5%
9534	2.39	2.33	-2.5%
9554	4.12	3.79	-8.0%
9586	0.20	0.19	-5.0%
9600	1.00	0.93	-7.0%
9620	0.65	0.66	1.5%

NORTH CAROLINA – LOSS COSTS

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Supplemental Material

North Carolina G.S. 58-36-15(h) specifies that the following information must be included in all policy form, rule and rate filings filed under Article 36. 11 NCAC 10.1111 specifies that additional detail be provided under each of these items.

Item

- 1 North Carolina losses and loss adjustment expenses
- 2 Credibility factor development and application
- 3 Loss development factor development and application
- 4 Trending factor development and application
- 5 Changes in premium base and exposures
- 6 Limiting factor development and application
- 7 Percent rate or loss cost change
- 8 Underwriting profit and contingencies and investment income
- 9 Investment earnings on capital and surplus
- 10 Additional supplemental information per 11 NCAC 10.1111

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 1 North Carolina losses and loss adjustment expenses, each on paid and incurred bases without trending or other modification for the experience period.
- 1(a) The filer shall include loss and loss adjustment expense data from all companies writing North Carolina workers compensation insurance. In addition, if exposures are used in the calculation of premiums at present rates, the filer shall provide all available exposure data from these companies. If the experience of any company that writes more than one percent of the North Carolina workers compensation written premium has been excluded from any trend or loss development calculations, the filer shall identify the company and its market share and provide an explanation for its exclusion. The filer shall also estimate the aggregate market share of other companies whose experience is excluded from such calculations.

Response

See Exhibit RB-1, Exhibit II as well as RB-4 for loss and loss adjustment expense data.

See Exhibit RB-1, Appendix A-IV for a list of the companies excluded from the loss cost level and trend calculations. Loss development calculations include only data for matching companies for specific valuations (See Exhibit RB-1, Appendix A-II). Aside from the carriers listed in Appendix A-IV, the aggregate market share of the carriers excluded from any of the individual year loss development link ratio calculations is less than five percent.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 1(b) If any identifiable group of policies is excluded from the calculation of classification differentials, the filer shall describe those policies, indicate their market share, and provide an explanation for their exclusion.

Response

This request refers to policies excluded from the calculation of "classification differentials." The response has been prepared under the assumption that the interest is in policies excluded from the calculation of the industry group differentials. The Rate Bureau is advised by the National Council on Compensation Insurance as follows:

Industry group differentials distribute the overall pure premium level change among the five industry groups: manufacturing, contracting, office & clerical, goods & services, and miscellaneous. The losses and premium used to derive the industry group differentials are, hence, based on losses and premium from class codes in the five industry groups (See Exhibit RB-1, Appendix A-V). A description of the class codes excluded from this calculation is listed below along with an explanation of their exclusion.

Discontinued class codes - Because loss costs are no longer calculated for these class codes, if data is not reassigned to another class code, the loss and premium experience is not included in the industry group differential calculation.

Non-ratable codes - Because of the current ratemaking procedures for these codes, their experience does not directly influence the loss cost calculation. It, therefore, is not considered when determining other class codes' loss costs through the industry group differentials. Loss costs for non-ratable codes are a certain percentage of their respective ratable portions.

Federal classifications - Loss costs for the federal classes (F-classes) are calculated separately from non F-class loss costs. F-class experience is not allowed to influence the industry group differentials that are used to derive non F-class loss costs.

Maritime codes - The ratemaking procedure for maritime codes varies by class code. Item B-1101 established the combination of rates for several industrial class codes with several F-classifications. Similar to F-classes, we do not allow maritime experience to influence the industry group differentials that are used to derive non-maritime loss costs.

Statistical classifications - The experience reported under statistical classes is not directly associated with a certain code or industry group. For this reason, it is not included in the industry group differential calculation. Examples of experience in this classification category are expense constant premium and the additional premium charged for increased liability limits.

Concerning their percentage of the market share, the excluded data mentioned above normally represents less than 1% of the payroll for the five policy periods combined.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 1(c) The filer shall clearly describe all adjustments to losses, loss adjustment expenses, expenses as defined in G.S. 58-36-100(c), and exposures included in the filing.

Response

See Exhibits RB-1, RB-3, RB-5, and the attached Exhibit 1(c).

North Carolina Policy Year Premium On-level Factors

Section A - Historical Premium Level and Expense Constant Changes

Voluntary Market			Assigned Risk Market		
Date	Pure Premium Level Change	Expense Constant	Date	Premium Level Change	Expense Constant
4/1/15	0.966	n/a	4/1/15	0.955	\$250
4/1/16	0.898	n/a	4/1/16	1.019	\$160
4/1/17	0.856	n/a	4/1/17	0.917	\$160
4/1/18	0.887	n/a	4/1/18	0.875	\$160
4/1/19	0.841	n/a	4/1/19	0.828	\$160
4/1/20	0.897	n/a	4/1/20	0.924	\$160
4/1/21	0.961	n/a	4/1/21	0.958	\$160
4/1/22	0.947	n/a	4/1/22	1.020	\$160
4/1/23	0.952	n/a	4/1/23	0.992	\$160
4/1/24	0.902	n/a	4/1/24	0.842	\$160

Section B - Factors adjusting assigned risk and voluntary premium to present pure premium level

	Policy Year <u>2022</u>	Policy Year <u>2021</u>	Policy Year <u>2020</u>	Policy Year <u>2019</u>	Policy Year <u>2018</u>	Policy Year <u>2017</u>	Policy Year <u>2016</u>	Policy Year <u>2015</u>
(1) Assigned Risk Market Share	0.080	0.081	0.085	0.085	0.086	0.080	0.076	0.073
(2) Voluntary Market Share	0.920	0.919	0.915	0.915	0.914	0.920	0.924	0.927
(3) Assigned Risk Standard Prem. Adj. Factor	0.644	0.642	0.607	0.541	0.464	0.409	0.384	0.379
(4) Voluntary Standard Prem. Adj. Factor	0.845	0.803	0.755	0.663	0.567	0.497	0.433	0.398
(5) Current Premium Index A/R to Voluntary	2.476	2.476	2.476	2.476	2.476	2.476	2.476	2.476
(6) Final Premium Adjustment Factor = [((1)x(3))/(5) + (2)x(4)]	0.798	0.759	0.712	0.626	0.534	0.470	0.412	0.380

North Carolina Policy Year Loss On-level Factors

Section C - Historical Benefit Level Changes

Indemnity		Medical	
<u>Date</u>	<u>Benefit Level Change</u>	<u>Date</u>	<u>Benefit Level Change</u>
1/1/16	1.000	1/1/16	0.995
1/1/17	1.000	1/1/17	0.998
10/1/17	1.000	10/1/17	1.001
1/1/18	1.000	1/1/18	1.009
10/1/18	1.000	10/1/18	1.003
1/1/19	1.000	1/1/19	1.007
10/1/19	1.000	10/1/19	1.003
1/1/20	1.000	1/1/20	1.008
10/1/20	1.000	10/1/20	1.002
1/1/21	1.000	1/1/21	1.013
10/1/21	1.000	10/1/21	1.002
1/1/22	1.000	1/1/22	1.003
10/1/22	1.000	10/1/22	1.002
1/1/23	1.000	1/1/23	1.004

Section D - Factors adjusting policy year indemnity and medical losses to present benefit level

	<u>Policy Year 2022</u>	<u>Policy Year 2021</u>	<u>Policy Year 2020</u>	<u>Policy Year 2019</u>	<u>Policy Year 2018</u>	<u>Policy Year 2017</u>	<u>Policy Year 2016</u>	<u>Policy Year 2015</u>
(1) Indemnity Loss On-level Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
(2) Medical Loss On-level Factor	1.004	1.009	1.020	1.032	1.042	1.053	1.056	1.056

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 1(d) The filer shall provide the latest available written and earned premiums and market shares for the ten largest writers of North Carolina workers compensation insurance.

Response

See attached Exhibit 1(d).

Ten Largest Writers of Workers Compensation
Insurance in North Carolina

	<u>Written Premium</u>	<u>Earned Premium</u>	Written Premium Market <u>Share</u>
Hartford Fire & Cas Grp	120,211	118,411	7.9%
Travelers Grp	108,559	108,891	7.1%
BCBS of MI Grp	103,489	103,210	6.8%
Builders Grp	101,286	100,027	6.7%
Liberty Mut Grp	73,077	75,270	4.8%
Zurich Ins Grp	65,707	62,519	4.3%
American Financial Grp	61,216	61,720	4.0%
Berkshire Hathaway Grp	54,685	52,381	3.6%
Chubb Ltd Grp	53,214	53,844	3.5%
Amtrust Financial Serv Grp	52,898	51,681	3.5%

Note: The premium figures are based on calendar year 2023 Annual Statement data and shown in thousands of dollars.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 1(e) The filer shall provide the following information on losses and loss adjustment expenses:
- (i) For each of the latest three available accident and calendar years, undeveloped and untrended losses and loss adjustment expenses;
 - (ii) For each accident year and policy year included in the filing, paid losses, case basis reserves, loss development, incurred allocated loss adjustment expenses (if collected separately from losses), incurred unallocated (or combined allocated and unallocated) loss adjustment expenses, applied trend factors, and trended incurred losses and loss adjustment expenses.

Response

- (i) See attached Exhibit 1(e), page 1*.
- (ii) See attached Exhibit 1(e), page 1 for paid losses and case basis reserves.

See RB-1, Appendix A-II for loss development.

See RB-1, Exhibit II and attached Exhibit 1(e), page 2 for loss adjustment expense data*.

See RB-1, Appendix A-III and Exhibit I for the applied trend factors and trended losses.

* The Rate Bureau is advised by NCCI that incurred losses and loss adjustment expense data on a policy year and accident year basis by state is not regularly collected. In North Carolina, NCCI collects such data through a special Financial Call. The results are attached as Exhibit 1(e), page 2. Note that this data has not been used in any loss cost level calculations.

Undeveloped and untrended losses and loss adjustment expenses

North Carolina

<u>Year</u>	Accident Year Direct Losses <u>Incurred</u>	Accident Year Direct LAE <u>Incurred</u>	Calendar Year Direct Losses <u>Incurred</u>	Calendar Year Direct LAE <u>Incurred</u>
2021	+	+	625,969,074	114,067,633
2022	+	+	590,903,569	136,922,647
2023	+	+	709,616,664	154,725,104

Policy year paid losses and case basis reserves

North Carolina

<u>Policy Year*</u>	Indemnity <u>Paid Losses</u>	Indemnity <u>Case Reserves</u>	Medical <u>Paid Losses</u>	Medical <u>Case Reserves</u>
2015	277,230,143	3,334,637	236,227,512	6,462,909
2016	269,429,505	7,919,026	218,208,124	26,949,137
2017	274,207,690	7,477,260	218,489,036	9,667,488
2018	293,098,841	11,813,796	244,687,280	13,813,475
2019	287,313,566	18,498,721	245,266,103	56,034,062
2020	260,320,984	34,956,408	233,724,816	47,953,801
2021	222,027,702	70,338,284	224,926,571	80,339,762
2022	132,106,800	109,709,371	174,570,094	140,325,769

* PY data is valued as of 12/31/23.

+ AY incurred losses and LAE data by state is not collected in the Calendar-Accident Year Call for Experience.

North Carolina Loss Adjustment Expense Data *

Policy Year

Policy Year [^]	Defense & Cost Containment Expense		Adjusting & Other Expense		Total LAE	
	Paid	Unpaid	Paid	Unpaid	Paid	Unpaid
2018	65,390,067	13,175,657	52,795,752	5,486,775	118,185,819	18,662,432
2019	58,470,789	18,464,737	50,156,232	7,562,711	108,627,021	26,027,448
2020	52,752,405	21,602,554	48,149,752	10,478,258	100,902,157	32,080,812
2021	47,420,210	33,622,903	40,169,449	15,669,782	87,589,659	49,292,685
2022	33,001,483	54,463,491	39,639,561	26,654,311	72,641,044	81,117,802

Accident Year

Accident Year [^]	Defense & Cost Containment Expense		Adjusting & Other Expense		Total LAE	
	Paid	Unpaid	Paid	Unpaid	Paid	Unpaid
2018	65,398,515	11,923,903	53,361,072	4,950,703	118,759,587	16,874,606
2019	63,105,440	18,007,122	55,967,444	7,129,715	119,072,884	25,136,837
2020	52,285,768	21,632,480	50,184,242	8,786,295	102,470,010	30,418,775
2021	50,008,983	29,045,790	44,617,044	13,042,438	94,626,027	42,088,228
2022	41,414,271	45,621,553	47,072,447	20,530,335	88,486,718	66,151,888
2023	13,409,604	70,164,587	22,576,484	37,362,907	35,986,088	107,527,494

Calendar Year

Calendar Year	Defense & Cost Containment Expense		Adjusting & Other Expense		Total LAE	
	Paid	Unpaid	Paid	Unpaid	Paid	Unpaid
2018	65,954,707	292,684,059	61,591,304	121,153,864	127,546,011	413,837,923
2019	66,607,304	278,678,401	66,062,267	116,230,260	132,669,571	394,908,661
2020	64,875,283	273,243,986	52,591,101	116,822,345	117,466,384	390,066,331
2021	62,453,010	271,953,452	57,338,189	112,423,205	119,791,199	384,376,657
2022	62,419,845	290,473,373	68,654,918	114,412,342	131,074,763	404,885,715
2023	70,370,135	311,242,386	65,030,782	118,937,712	135,400,917	430,180,098

* Please see the response to Item 1(e).

[^] PY and AY data is valued as of 12/31/23.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 2 Credibility factor development and application. The filer shall provide all information related to the derivation of all credibility factors contained in the filing, including the following:
- (a) A description of all data reviewed;
 - (b) A complete description of the methodology used to derive these factors;
 - (c) A description of alternative methodologies used in the last three years;
 - (d) A description of the criteria used to select a methodology;
 - (e) Specific details on the application of these criteria in the selection of a methodology for this filing;
 - (f) Details on the application of the methodology to this filing.

Response

Credibility is utilized in the filing with the Workers Compensation Statistical Plan data, as described in the attached Exhibit 2 (pages 1-3) and RB-1, Appendices A-V and B-I.

The following is a memorandum regarding credibility factor development and application. The NCRB has used credibility procedures in each of the previous three loss cost/rate filings as well as in this filing.

Industry Group Differentials:

NCCI employs five industry group classifications. In some states, the volume of data in the industry groups is relatively low, potentially allowing random fluctuations to influence the industry group differentials. A credibility-weighting procedure is used to minimize such random fluctuations.

The procedure implemented essentially weights the indicated industry group change with the statewide change depending on the indemnity claim count volume in each industry group. The full credibility standard (i.e., the number of compensable claims needed for full credibility) is 12,000 lost-time claims for each industry group. This full credibility standard was also used in each of the previous three loss cost/rate filings in North Carolina. Partial credibilities are calculated using the square root of the ratio of actual compensable cases to the applicable full credibility standard.

The determined full credibility standards and the partial credibility formula were a result of NCCI's examination of the inherent variability in each industry group. These standards were chosen to moderate the effect of random fluctuations in the industry group differentials.

Pure Premium Calculation:

The workers compensation classification ratemaking methodology relies on three estimates of the class pure premiums: the indicated pure premium (based on the latest available class experience for the state), the present-on-rate level pure premium (based on the prior pure premium update by the industry group change), and the national pure premium (based on class data nationally). The final (derived by formula) pure premium is a credibility-weighted combination of these three component pure premiums.

The credibility weights are based on the volume of information used to calculate the pure premiums. Expected losses are used to measure the volume of data for a class. Expected losses for a class are calculated by taking the pure premium underlying the current loss costs, adjusting it to the proposed level, and multiplying by payroll (in hundreds). This is done separately for indemnity and medical.

The volume of expected losses required for 100% credibility is as follows:

Indemnity	1,700 x indemnity average cost per case
Medical	800 x medical average cost per case

Note that the medical average cost per case is computed as total medical loss dollars (including medical-only) divided by the number of lost-time claims.

The credibility applied to the indicated pure premiums is calculated via the following state partial credibility formula:

$$\text{State Partial Credibility} = \left(\frac{\text{Expected Losses}}{\text{Full Credibility Standard}} \right)^{0.5}$$

For the pure premiums indicated by national relativity, credibility is determined by the number of actual cases. The full credibility standards, based on three years of data, are calculated as follows:

Indemnity	2,300 compensable cases
Medical	2,000 compensable cases

Partial credibilities are assigned using a credibility formula similar to that used for indicated pure premiums but based on the number of cases nationally for the class code. In no instance is the national credibility permitted to exceed 50% of the complement of the state credibility.

National Credibility = The smaller of

$$\left(\frac{\text{Cases Nationally}}{\text{Full Credibility Standard}} \right)^{0.5} \text{ and } \frac{(1 - \text{state credibiliy})}{2}$$

In the prior three filings as well as this filing, the residual credibility (100% minus the sum of the state and national credibilities) is assigned to the present on rate level pure premiums.

An empirical study was performed to determine what full credibility standards and what partial credibility formula should be used to limit the fluctuations in the formula pure premiums.

North Carolina

Credibility Criteria - Policy Periods 1/1/17 to 12/31/21

	(1)	(2)	(3)	(4)
Loss Group	Lost-Time Cases	Converted Indicated Losses*	Average Cost Per Case [(2) / (1)]	Index for Credibility
Indemnity	88,679	2,944,514,395	33,204	1,700
Medical	88,679	2,327,390,848	26,245	800
Total		5,271,905,243		

Injury Group	(5) Converted Expected Losses**	(6) Adjustment of Indicateds to Expecteds (5) / (2)	(7) Full Standard for State Credibility (Expected Losses) [(3)x(4)]x(6)	(8) Full Standard for National Credibility (Lost-Time Cases)
Indemnity	2,428,952,784		47,245,972	2,300
Medical	1,981,884,178		17,573,652	2,000
Total	4,410,836,962	0.837		

State credibility exponent: 0.5

National credibility exponent: 0.5

Percentage of the complement of state credibility that the national credibility is limited to: 50%

* These expected unlimited losses are at ultimate, on-level, trended, and include the proposed experience and loss-based expense changes as well as any miscellaneous premium adjustments.

** These expected losses are payroll extended underlying pure premiums adjusted to include the proposed experience, trend, benefit and loss-based expense changes as well as any miscellaneous premium adjustments.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 3(a) The filer shall provide all information related to the derivation of all loss development factors contained in the filing, including the following:
- (i) A description of all data reviewed;
 - (ii) A complete description of the methodology used to derive these factors;
 - (iii) A description of alternative methodologies used in the last three years;
 - (iv) A description of the criteria used to select a methodology;
 - (v) Specific details on the application of these criteria in the selection of a methodology for this filing;
 - (vi) Details on the application of the methodology to this filing.

Response

- (i) See Exhibits RB-1, RB-3, and RB-5.
- (ii) See Exhibits RB-1, RB-3, and RB-5.
- (iii) The methodologies used in the previous three filings are similar to those used in the current filing except for any methodology changes described in the response to Item 10(c). See also Exhibit RB-3, and RB-5.
- (iv) See Exhibits RB-1, RB-3, and RB-5.
- (v) See Exhibits RB-1, RB-3, and RB-5.
- (vi) See Exhibits RB-1, RB-3, and RB-5.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 3(b) The filer shall provide at least the latest five available years of the aggregate loss data described in Sub-items (3)(b)(i) through (iii) of this Rule for matching companies for all pairs of successive evaluation dates. The filer shall also provide the corresponding loss development factors and five-year average factors derivable from the data.
- (i) Data on both a policy year and an accident year basis;
 - (ii) Data separated into indemnity and medical portions, as well as combined data;
 - (iii) Data separated into paid, case incurred and incurred but not reported* portions, as well as combined data.

Response

See attached Exhibit 3(b) for all requested data.

* The Rate Bureau is advised by NCCI that bulk and IBNR reserves are not collected on the ratemaking financial calls.

North Carolina - Paid

Policy Year Development Factors

PY	Indemnity Losses			Medical Losses			Total Losses		
	1st	2nd	Dev't	1st	2nd	Dev't	1st	2nd	Dev't
2017	106,459,585	200,319,264	1.882	148,474,183	191,356,959	1.289	254,933,768	391,676,223	1.536
2018	113,225,135	213,930,617	1.889	163,518,006	209,617,121	1.282	276,743,141	423,547,738	1.530
2019	115,286,330	211,562,213	1.835	156,707,928	211,245,501	1.348	271,994,258	422,807,714	1.554
2020	115,529,233	211,190,847	1.828	169,483,059	217,720,214	1.285	285,012,292	428,911,061	1.505
2021	119,630,413	222,027,702	1.856	164,508,306	224,926,571	1.367	284,138,719	446,954,273	1.573
2-yr avg			1.842			1.326			1.539
3-yr avg			1.840			1.333			1.544
4-yr avg			1.852			1.321			1.541
5-yr avg			1.858			1.314			1.540
PY	Indemnity Losses			Medical Losses			Total Losses		
	2nd	3rd	Dev't	2nd	3rd	Dev't	2nd	3rd	Dev't
2016	188,101,137	235,042,306	1.250	191,549,681	206,163,388	1.076	379,650,818	441,205,694	1.162
2017	200,319,264	243,253,793	1.214	191,356,959	204,000,619	1.066	391,676,223	447,254,412	1.142
2018	213,930,617	262,136,267	1.225	209,617,121	230,541,973	1.100	423,547,738	492,678,240	1.163
2019	211,562,213	262,623,267	1.241	211,245,501	232,648,265	1.101	422,807,714	495,271,532	1.171
2020	211,190,847	260,320,984	1.233	217,720,214	233,724,816	1.074	428,911,061	494,045,800	1.152
2-yr avg			1.237			1.088			1.162
3-yr avg			1.233			1.092			1.162
4-yr avg			1.228			1.085			1.157
5-yr avg			1.233			1.083			1.158
PY	Indemnity Losses			Medical Losses			Total Losses		
	3rd	4th	Dev't	3rd	4th	Dev't	3rd	4th	Dev't
2015	239,670,675	256,487,788	1.070	213,719,544	223,773,413	1.047	453,390,219	480,261,201	1.059
2016	235,042,306	253,283,939	1.078	206,163,388	211,956,871	1.028	441,205,694	465,240,810	1.054
2017	243,253,793	260,570,596	1.071	204,000,619	211,560,016	1.037	447,254,412	472,130,612	1.056
2018	262,136,267	282,697,948	1.078	230,541,973	236,677,204	1.027	492,678,240	519,375,152	1.054
2019	262,623,267	287,313,566	1.094	232,648,265	245,266,103	1.054	495,271,532	532,579,669	1.075
2-yr avg			1.086			1.041			1.065
3-yr avg			1.081			1.039			1.062
4-yr avg			1.080			1.037			1.060
5-yr avg			1.078			1.039			1.060
PY	Indemnity Losses			Medical Losses			Total Losses		
	4th	5th	Dev't	4th	5th	Dev't	4th	5th	Dev't
2014	264,803,969	275,619,085	1.041	233,620,874	241,859,492	1.035	498,424,843	517,478,577	1.038
2015	256,487,788	266,883,690	1.041	223,773,413	229,842,637	1.027	480,261,201	496,726,327	1.034
2016	253,283,939	261,993,044	1.034	211,956,871	214,623,648	1.013	465,240,810	476,616,692	1.024
2017	260,570,596	269,101,122	1.033	211,560,016	216,195,849	1.022	472,130,612	485,296,971	1.028
2018	282,697,948	293,098,841	1.037	236,677,204	244,687,280	1.034	519,375,152	537,786,121	1.035
2-yr avg			1.035			1.028			1.032
3-yr avg			1.035			1.023			1.029
4-yr avg			1.036			1.024			1.030
5-yr avg			1.037			1.026			1.032
PY	Indemnity Losses			Medical Losses			Total Losses		
	5th	6th	Dev't	5th	6th	Dev't	5th	6th	Dev't
2013	282,672,353	288,476,617	1.021	249,558,975	252,312,511	1.011	532,231,328	540,789,128	1.016
2014	275,619,085	281,126,945	1.020	241,859,492	243,989,216	1.009	517,478,577	525,116,161	1.015
2015	266,883,690	272,368,430	1.021	229,842,637	233,824,317	1.017	496,726,327	506,192,747	1.019
2016	261,993,044	266,361,796	1.017	214,623,648	216,209,763	1.007	476,616,692	482,571,559	1.012
2017	269,101,122	274,207,690	1.019	216,195,849	218,489,036	1.011	485,296,971	492,696,726	1.015
2-yr avg			1.018			1.009			1.014
3-yr avg			1.019			1.012			1.015
4-yr avg			1.019			1.011			1.015
5-yr avg			1.020			1.011			1.015
PY	Indemnity Losses			Medical Losses			Total Losses		
	6th	7th	Dev't	6th	7th	Dev't	6th	7th	Dev't
2012	290,897,963	293,762,656	1.010	278,717,361	280,744,500	1.007	569,615,324	574,507,156	1.009
2013	288,476,617	291,704,313	1.011	252,309,999	253,866,245	1.006	540,786,616	545,570,558	1.009
2014	281,126,945	284,570,293	1.012	243,989,216	245,495,895	1.006	525,116,161	530,066,188	1.009
2015	272,368,430	275,095,586	1.010	233,824,158	234,915,924	1.005	506,192,588	510,011,510	1.008
2016	266,361,796	269,429,505	1.012	216,209,763	218,208,124	1.009	482,571,559	487,637,629	1.010
2-yr avg			1.011			1.007			1.009
3-yr avg			1.011			1.007			1.009
4-yr avg			1.011			1.007			1.009
5-yr avg			1.011			1.007			1.009

North Carolina - Paid

Policy Year Development Factors, Continued

PY	Indemnity Losses			Medical Losses			Total Losses		
	7th	8th	Dev't	7th	8th	Dev't	7th	8th	Dev't
2011	324,406,977	328,965,073	1.014	299,844,332	302,059,215	1.007	624,251,309	631,024,288	1.011
2012	293,569,260	295,743,991	1.007	280,519,493	281,485,541	1.003	574,088,753	577,229,532	1.005
2013	290,991,713	292,894,820	1.007	253,557,818	254,146,462	1.002	544,549,531	547,041,282	1.005
2014	284,368,390	286,365,080	1.007	245,158,463	246,267,370	1.005	529,526,853	532,632,450	1.006
2015	275,095,586	277,230,143	1.008	234,915,924	236,227,512	1.006	510,011,510	513,457,655	1.007
2-yr avg			1.008			1.006			1.007
3-yr avg			1.007			1.004			1.006
4-yr avg			1.007			1.004			1.006
5-yr avg			1.009			1.005			1.007
PY	Indemnity Losses			Medical Losses			Total Losses		
	8th	9th	Dev't	8th	9th	Dev't	8th	9th	Dev't
2010	346,211,096	350,213,236	1.012	296,297,684	299,829,839	1.012	642,508,780	650,043,075	1.012
2011	328,683,278	331,724,393	1.009	301,877,225	304,139,531	1.007	630,560,503	635,863,924	1.008
2012	295,600,709	297,597,766	1.007	281,222,370	283,082,299	1.007	576,823,079	580,680,065	1.007
2013	292,316,824	293,289,637	1.003	253,616,366	253,937,394	1.001	545,933,190	547,227,031	1.002
2014	286,365,080	289,369,695	1.010	246,267,370	247,742,776	1.006	532,632,450	537,112,471	1.008
2-yr avg			1.007			1.004			1.005
3-yr avg			1.007			1.005			1.006
4-yr avg			1.007			1.005			1.006
5-yr avg			1.008			1.007			1.007
PY	Indemnity Losses			Medical Losses			Total Losses		
	9th	10th	Dev't	9th	10th	Dev't	9th	10th	Dev't
2009	347,003,348	349,422,507	1.007	282,000,254	283,870,390	1.007	629,003,602	633,292,897	1.007
2010	349,530,555	352,906,774	1.010	299,353,493	301,602,781	1.008	648,884,048	654,509,555	1.009
2011	329,176,294	331,520,964	1.007	302,955,151	304,720,854	1.006	632,131,445	636,241,818	1.007
2012	296,333,283	297,287,029	1.003	281,844,161	282,826,659	1.003	578,177,444	580,113,688	1.003
2013	293,289,637	294,477,229	1.004	253,937,394	254,860,946	1.004	547,227,031	549,338,175	1.004
2-yr avg			1.004			1.004			1.004
3-yr avg			1.005			1.004			1.005
4-yr avg			1.006			1.005			1.006
5-yr avg			1.006			1.006			1.006
PY	Indemnity Losses			Medical Losses			Total Losses		
	10th	11th	Dev't	10th	11th	Dev't	10th	11th	Dev't
2008	376,479,964	378,692,838	1.006	308,105,555	309,467,194	1.004	684,585,519	688,160,032	1.005
2009	349,004,850	349,971,832	1.003	283,584,679	285,091,928	1.005	632,589,529	635,063,760	1.004
2010	351,612,420	353,285,900	1.005	300,948,357	302,764,006	1.006	652,560,777	656,049,906	1.005
2011	328,928,964	329,542,694	1.002	302,657,416	303,108,341	1.001	631,586,380	632,651,035	1.002
2012	297,287,029	298,277,864	1.003	282,826,659	284,670,297	1.007	580,113,688	582,948,161	1.005
2-yr avg			1.003			1.004			1.004
3-yr avg			1.003			1.005			1.004
4-yr avg			1.003			1.005			1.004
5-yr avg			1.004			1.005			1.004
PY	Indemnity Losses			Medical Losses			Total Losses		
	11th	12th	Dev't	11th	12th	Dev't	11th	12th	Dev't
2007	422,458,865	423,835,027	1.003	352,947,319	355,641,086	1.008	775,406,184	779,476,113	1.005
2008	378,470,284	379,795,231	1.004	309,367,162	310,326,567	1.003	687,837,446	690,121,798	1.003
2009	348,718,978	349,814,129	1.003	284,524,111	287,149,576	1.009	633,243,089	636,963,705	1.006
2010	351,188,846	352,623,114	1.004	301,210,325	303,367,507	1.007	652,399,171	655,990,621	1.006
2011	329,542,694	330,038,653	1.002	303,108,341	303,637,322	1.002	632,651,035	633,675,975	1.002
2-yr avg			1.003			1.005			1.004
3-yr avg			1.003			1.006			1.005
4-yr avg			1.003			1.005			1.004
5-yr avg			1.003			1.006			1.004
PY	Indemnity Losses			Medical Losses			Total Losses		
	12th	13th	Dev't	12th	13th	Dev't	12th	13th	Dev't
2006	383,450,897	384,886,492	1.004	314,360,855	315,505,705	1.004	697,811,752	700,392,197	1.004
2007	423,835,027	425,233,650	1.003	355,641,086	357,365,523	1.005	779,476,113	782,599,173	1.004
2008	379,423,317	380,184,566	1.002	309,861,655	310,949,691	1.004	689,284,972	691,134,257	1.003
2009	344,862,030	346,097,491	1.004	283,547,509	284,471,588	1.003	628,409,539	630,569,079	1.003
2010	352,623,114	353,726,620	1.003	303,367,507	305,848,542	1.008	655,990,621	659,575,162	1.005
2-yr avg			1.004			1.006			1.004
3-yr avg			1.003			1.005			1.004
4-yr avg			1.003			1.005			1.004
5-yr avg			1.003			1.005			1.004

North Carolina - Paid

Policy Year Development Factors, Continued

PY	Indemnity Losses			Medical Losses			Total Losses		
	13th	14th	Dev't	13th	14th	Dev't	13th	14th	Dev't
2005	370,244,451	371,017,422	1.002	319,458,936	321,170,013	1.005	689,703,387	692,187,435	1.004
2006	384,886,492	385,646,590	1.002	315,505,705	316,228,214	1.002	700,392,197	701,874,804	1.002
2007	425,233,650	426,422,986	1.003	357,365,523	359,191,526	1.005	782,599,173	785,614,512	1.004
2008	376,425,958	377,067,030	1.002	308,205,149	308,684,210	1.002	684,631,107	685,751,240	1.002
2009	346,097,491	346,705,133	1.002	284,471,588	285,439,544	1.003	630,569,079	632,144,677	1.002
2-yr avg			1.002			1.003			1.002
3-yr avg			1.002			1.003			1.003
4-yr avg			1.002			1.003			1.003
5-yr avg			1.002			1.003			1.003
PY	Indemnity Losses			Medical Losses			Total Losses		
	14th	15th	Dev't	14th	15th	Dev't	14th	15th	Dev't
2004	359,086,629	360,490,349	1.004	306,434,759	308,400,985	1.006	665,521,388	668,891,334	1.005
2005	371,017,422	371,961,206	1.003	321,170,013	319,809,873	0.996	692,187,435	691,771,079	0.999
2006	385,641,590	386,471,318	1.002	316,226,646	317,220,704	1.003	701,868,236	703,692,022	1.003
2007	420,525,605	420,851,036	1.001	353,842,113	355,418,419	1.004	774,367,718	776,269,455	1.002
2008	377,067,030	377,573,488	1.001	308,684,210	309,213,703	1.002	685,751,240	686,787,191	1.002
2-yr avg			1.001			1.003			1.002
3-yr avg			1.001			1.003			1.002
4-yr avg			1.002			1.001			1.002
5-yr avg			1.002			1.002			1.002
PY	Indemnity Losses			Medical Losses			Total Losses		
	15th	16th	Dev't	15th	16th	Dev't	15th	16th	Dev't
2003	334,683,132	335,835,245	1.003	254,653,866	255,724,661	1.004	589,336,998	591,559,906	1.004
2004	360,490,349	361,427,622	1.003	308,400,985	310,248,690	1.006	668,891,334	671,676,312	1.004
2005	371,961,206	372,558,505	1.002	319,809,873	321,152,240	1.004	691,771,079	693,710,745	1.003
2006	379,668,027	380,200,903	1.001	310,840,989	311,610,657	1.002	690,509,016	691,811,560	1.002
2007	420,851,036	421,241,338	1.001	355,418,419	356,701,514	1.004	776,269,455	777,942,852	1.002
2-yr avg			1.001			1.003			1.002
3-yr avg			1.001			1.003			1.002
4-yr avg			1.002			1.004			1.003
5-yr avg			1.002			1.004			1.003
PY	Indemnity Losses			Medical Losses			Total Losses		
	16th	17th	Dev't	16th	17th	Dev't	16th	17th	Dev't
2002	302,843,209	304,189,234	1.004	239,010,815	239,869,570	1.004	541,854,024	544,058,804	1.004
2003	335,835,245	336,814,887	1.003	255,724,661	256,790,666	1.004	591,559,906	593,605,553	1.003
2004	361,285,830	362,054,339	1.002	310,227,620	312,136,185	1.006	671,513,450	674,190,524	1.004
2005	368,065,370	368,522,212	1.001	317,920,425	318,460,764	1.002	685,985,795	686,982,976	1.001
2006	380,200,903	382,036,910	1.005	311,610,657	312,398,560	1.003	691,811,560	694,435,470	1.004
2-yr avg			1.003			1.003			1.003
3-yr avg			1.003			1.004			1.003
4-yr avg			1.003			1.004			1.003
5-yr avg			1.003			1.004			1.003
PY	Indemnity Losses			Medical Losses			Total Losses		
	17th	18th	Dev't	17th	18th	Dev't	17th	18th	Dev't
2001	284,277,455	284,606,023	1.001	209,156,088	209,815,140	1.003	493,433,543	494,421,163	1.002
2002	304,189,234	304,959,667	1.003	239,869,570	240,703,873	1.003	544,058,804	545,663,540	1.003
2003	336,814,887	338,108,794	1.004	256,787,369	257,472,764	1.003	593,602,256	595,581,558	1.003
2004	353,588,903	354,204,214	1.002	305,120,738	307,164,922	1.007	658,709,641	661,369,136	1.004
2005	368,522,212	369,056,559	1.001	318,460,764	319,178,826	1.002	686,982,976	688,235,385	1.002
2-yr avg			1.002			1.005			1.003
3-yr avg			1.002			1.004			1.003
4-yr avg			1.003			1.004			1.003
5-yr avg			1.002			1.004			1.003
PY	Indemnity Losses			Medical Losses			Total Losses		
	18th	19th	Dev't	18th	19th	Dev't	18th	19th	Dev't
2000	273,947,486	274,619,596	1.002	214,061,678	214,676,485	1.003	488,009,164	489,296,081	1.003
2001	284,606,023	285,140,631	1.002	209,815,140	210,424,966	1.003	494,421,163	495,565,597	1.002
2002	304,940,506	305,733,126	1.003	240,683,662	242,357,497	1.007	545,624,168	548,090,623	1.005
2003	329,847,612	330,394,050	1.002	252,154,506	252,958,046	1.003	582,002,118	583,352,096	1.002
2004	354,204,214	355,773,692	1.004	307,164,922	308,553,618	1.005	661,369,136	664,327,310	1.004
2-yr avg			1.003			1.004			1.003
3-yr avg			1.003			1.005			1.004
4-yr avg			1.003			1.005			1.003
5-yr avg			1.003			1.004			1.003

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Indemnity Losses				Medical Losses			Total Losses		
PY	1st	2nd	Dev't	1st	2nd	Dev't	1st	2nd	Dev't
2017	203,124,698	254,605,832	1.253	248,666,216	234,138,298	0.942	451,790,914	488,744,130	1.082
2018	214,796,375	276,253,202	1.286	272,150,651	269,516,550	0.990	486,947,026	545,769,752	1.121
2019	220,690,080	275,929,723	1.250	293,579,415	297,323,343	1.013	514,269,495	573,253,066	1.115
2020	211,795,894	270,015,432	1.275	277,084,564	276,066,056	0.996	488,880,458	546,081,488	1.117
2021	223,400,364	292,365,986	1.309	300,063,866	305,266,333	1.017	523,464,230	597,632,319	1.142
2-yr avg			1.292			1.007			1.130
3-yr avg			1.278			1.009			1.125
4-yr avg			1.280			1.004			1.124
5-yr avg			1.275			0.992			1.115

Indemnity Losses				Medical Losses			Total Losses		
PY	2nd	3rd	Dev't	2nd	3rd	Dev't	2nd	3rd	Dev't
2016	242,576,882	262,524,270	1.082	255,391,028	245,897,846	0.963	497,967,910	508,422,116	1.021
2017	254,605,832	269,941,484	1.060	234,138,298	231,139,268	0.987	488,744,130	501,080,752	1.025
2018	276,253,202	295,025,503	1.068	269,516,550	266,973,669	0.991	545,769,752	561,999,172	1.030
2019	275,929,723	298,581,590	1.082	297,323,343	305,159,642	1.026	573,253,066	603,741,232	1.053
2020	270,015,432	295,277,392	1.094	276,066,056	281,678,617	1.020	546,081,488	576,956,009	1.057
2-yr avg			1.088			1.023			1.055
3-yr avg			1.081			1.012			1.047
4-yr avg			1.076			1.006			1.041
5-yr avg			1.077			0.997			1.037

Indemnity Losses				Medical Losses			Total Losses		
PY	3rd	4th	Dev't	3rd	4th	Dev't	3rd	4th	Dev't
2015	268,445,997	272,755,128	1.016	244,896,214	243,435,875	0.994	513,342,211	516,191,003	1.006
2016	262,524,270	269,454,542	1.026	245,897,846	245,111,904	0.997	508,422,116	514,566,446	1.012
2017	269,941,484	277,747,043	1.029	231,139,268	228,168,176	0.987	501,080,752	505,915,219	1.010
2018	295,025,503	302,599,221	1.026	266,973,669	263,988,403	0.989	561,999,172	566,587,624	1.008
2019	298,581,590	305,812,287	1.024	305,159,642	301,300,165	0.987	603,741,232	607,112,452	1.006
2-yr avg			1.025			0.988			1.007
3-yr avg			1.026			0.988			1.008
4-yr avg			1.026			0.990			1.009
5-yr avg			1.024			0.991			1.008

Indemnity Losses				Medical Losses			Total Losses		
PY	4th	5th	Dev't	4th	5th	Dev't	4th	5th	Dev't
2014	285,216,811	288,409,462	1.011	260,645,878	253,634,618	0.973	545,862,689	542,044,080	0.993
2015	272,755,128	278,396,704	1.021	243,435,875	241,110,677	0.990	516,191,003	519,507,381	1.006
2016	269,454,542	272,687,595	1.012	245,111,904	245,097,304	1.000	514,566,446	517,784,899	1.006
2017	277,747,043	280,290,525	1.009	228,168,176	228,060,876	1.000	505,915,219	508,351,401	1.005
2018	302,599,221	304,912,637	1.008	263,988,403	258,500,755	0.979	566,587,624	563,413,392	0.994
2-yr avg			1.009			0.990			1.000
3-yr avg			1.010			0.993			1.002
4-yr avg			1.013			0.992			1.003
5-yr avg			1.012			0.988			1.001

Indemnity Losses				Medical Losses			Total Losses		
PY	5th	6th	Dev't	5th	6th	Dev't	5th	6th	Dev't
2013	292,842,197	295,286,185	1.008	261,220,684	259,560,615	0.994	554,062,881	554,846,800	1.001
2014	288,409,462	290,349,531	1.007	253,634,618	253,563,216	1.000	542,044,080	543,912,747	1.003
2015	278,396,704	279,874,356	1.005	241,110,677	241,916,487	1.003	519,507,381	521,790,843	1.004
2016	272,687,595	276,293,799	1.013	245,097,304	244,064,060	0.996	517,784,899	520,357,859	1.005
2017	280,290,525	281,684,950	1.005	228,060,876	228,156,524	1.000	508,351,401	509,841,474	1.003
2-yr avg			1.009			0.998			1.004
3-yr avg			1.008			1.000			1.004
4-yr avg			1.008			1.000			1.004
5-yr avg			1.008			0.999			1.003

Indemnity Losses				Medical Losses			Total Losses		
PY	6th	7th	Dev't	6th	7th	Dev't	6th	7th	Dev't
2012	300,131,294	300,417,631	1.001	298,331,335	296,047,968	0.992	598,462,629	596,465,599	0.997
2013	295,286,185	296,432,299	1.004	259,558,103	259,373,516	0.999	554,844,288	555,805,815	1.002
2014	290,349,531	291,120,800	1.003	253,563,216	253,369,988	0.999	543,912,747	544,490,788	1.001
2015	279,874,356	280,036,150	1.001	241,916,328	242,935,302	1.004	521,790,684	522,971,452	1.002
2016	276,293,799	277,348,531	1.004	244,064,060	245,157,261	1.004	520,357,859	522,505,792	1.004
2-yr avg			1.003			1.004			1.003
3-yr avg			1.003			1.002			1.002
4-yr avg			1.003			1.002			1.002
5-yr avg			1.003			1.000			1.001

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PY	Indemnity Losses			Medical Losses			Total Losses		
	7th	8th	Dev't	7th	8th	Dev't	7th	8th	Dev't
2011	331,544,999	333,787,327	1.007	315,405,588	315,018,987	0.999	646,950,587	648,806,314	1.003
2012	300,224,235	300,909,772	1.002	295,822,961	295,519,357	0.999	596,047,196	596,429,129	1.001
2013	295,719,699	295,648,443	1.000	259,065,089	258,988,198	1.000	554,784,788	554,636,641	1.000
2014	290,918,897	291,898,420	1.003	253,032,556	253,186,277	1.001	543,951,453	545,084,697	1.002
2015	280,036,150	280,564,780	1.002	242,935,302	242,690,421	0.999	522,971,452	523,255,201	1.001
2-yr avg			1.003			1.000			1.002
3-yr avg			1.002			1.000			1.001
4-yr avg			1.002			1.000			1.001
5-yr avg			1.003			1.000			1.001
PY	Indemnity Losses			Medical Losses			Total Losses		
	8th	9th	Dev't	8th	9th	Dev't	8th	9th	Dev't
2010	360,621,163	362,220,916	1.004	324,494,962	327,390,480	1.009	685,116,125	689,611,396	1.007
2011	333,505,532	335,077,340	1.005	314,836,997	314,325,295	0.998	648,342,529	649,402,635	1.002
2012	300,766,490	301,391,966	1.002	295,256,186	295,919,463	1.002	596,022,676	597,311,429	1.002
2013	295,070,447	295,414,762	1.001	258,458,102	258,795,743	1.001	553,528,549	554,210,505	1.001
2014	291,898,420	292,495,283	1.002	253,186,277	251,202,333	0.992	545,084,697	543,697,616	0.997
2-yr avg			1.002			0.997			0.999
3-yr avg			1.002			0.998			1.000
4-yr avg			1.003			0.998			1.001
5-yr avg			1.003			1.000			1.002
PY	Indemnity Losses			Medical Losses			Total Losses		
	9th	10th	Dev't	9th	10th	Dev't	9th	10th	Dev't
2009	356,559,692	356,257,437	0.999	302,942,700	301,041,284	0.994	659,502,392	657,298,721	0.997
2010	361,538,235	363,803,561	1.006	326,914,134	326,626,642	0.999	688,452,369	690,430,203	1.003
2011	332,529,241	332,945,638	1.001	313,140,915	312,244,484	0.997	645,670,156	645,190,122	0.999
2012	300,127,483	300,346,807	1.001	294,681,325	294,328,200	0.999	594,808,808	594,675,007	1.000
2013	295,414,762	295,419,957	1.000	258,795,743	258,815,987	1.000	554,210,505	554,235,944	1.000
2-yr avg			1.001			1.000			1.000
3-yr avg			1.001			0.999			1.000
4-yr avg			1.002			0.999			1.001
5-yr avg			1.001			0.998			1.000
PY	Indemnity Losses			Medical Losses			Total Losses		
	10th	11th	Dev't	10th	11th	Dev't	10th	11th	Dev't
2008	386,308,178	385,615,976	0.998	320,404,231	319,838,351	0.998	706,712,409	705,454,327	0.998
2009	355,839,780	356,626,280	1.002	300,755,573	300,813,547	1.000	656,595,353	657,439,827	1.001
2010	362,509,207	365,200,520	1.007	325,972,218	325,812,305	1.000	688,481,425	691,012,825	1.004
2011	330,353,638	330,378,653	1.000	310,181,046	310,757,122	1.002	640,534,684	641,135,775	1.001
2012	300,346,807	300,147,373	0.999	294,328,200	293,847,588	0.998	594,675,007	593,994,961	0.999
2-yr avg			1.000			1.000			1.000
3-yr avg			1.002			1.000			1.001
4-yr avg			1.002			1.000			1.001
5-yr avg			1.001			1.000			1.001
PY	Indemnity Losses			Medical Losses			Total Losses		
	11th	12th	Dev't	11th	12th	Dev't	11th	12th	Dev't
2007	430,890,722	430,870,435	1.000	376,906,687	377,356,101	1.001	807,797,409	808,226,536	1.001
2008	385,393,422	385,960,686	1.001	319,738,319	319,824,878	1.000	705,131,741	705,785,564	1.001
2009	355,286,059	355,733,802	1.001	300,245,730	303,796,475	1.012	655,531,789	659,530,277	1.006
2010	363,103,466	363,249,094	1.000	324,258,624	324,460,739	1.001	687,362,090	687,709,833	1.001
2011	330,378,653	330,893,188	1.002	310,757,122	310,654,477	1.000	641,135,775	641,547,665	1.001
2-yr avg			1.001			1.001			1.001
3-yr avg			1.001			1.004			1.003
4-yr avg			1.001			1.003			1.002
5-yr avg			1.001			1.003			1.002
PY	Indemnity Losses			Medical Losses			Total Losses		
	12th	13th	Dev't	12th	13th	Dev't	12th	13th	Dev't
2006	390,560,718	390,693,956	1.000	326,171,642	325,957,418	0.999	716,732,360	716,651,374	1.000
2007	430,870,435	431,251,066	1.001	377,356,101	382,033,914	1.012	808,226,536	813,284,980	1.006
2008	385,588,772	386,207,163	1.002	319,359,966	319,438,051	1.000	704,948,738	705,645,214	1.001
2009	350,781,703	351,010,084	1.001	300,194,408	299,993,327	0.999	650,976,111	651,003,411	1.000
2010	363,249,094	363,422,553	1.000	324,460,739	328,327,047	1.012	687,709,833	691,749,600	1.006
2-yr avg			1.001			1.006			1.003
3-yr avg			1.001			1.004			1.002
4-yr avg			1.001			1.006			1.003
5-yr avg			1.001			1.004			1.003

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PY	Indemnity Losses			Medical Losses			Total Losses		
	13th	14th	Dev't	13th	14th	Dev't	13th	14th	Dev't
2005	376,984,170	377,279,066	1.001	331,482,678	331,651,613	1.001	708,466,848	708,930,679	1.001
2006	390,693,956	391,811,193	1.003	325,957,418	326,824,052	1.003	716,651,374	718,635,245	1.003
2007	431,251,066	430,930,360	0.999	382,033,914	382,409,671	1.001	813,284,980	813,340,031	1.000
2008	382,227,986	381,613,369	0.998	316,691,787	316,108,091	0.998	698,919,773	697,721,460	0.998
2009	351,010,084	351,325,059	1.001	299,993,327	299,556,954	0.999	651,003,411	650,882,013	1.000
2-yr avg			1.000			0.999			0.999
3-yr avg			0.999			0.999			0.999
4-yr avg			1.000			1.000			1.000
5-yr avg			1.000			1.000			1.000
PY	Indemnity Losses			Medical Losses			Total Losses		
	14th	15th	Dev't	14th	15th	Dev't	14th	15th	Dev't
2004	366,470,734	366,615,980	1.000	327,510,429	326,610,217	0.997	693,981,163	693,226,197	0.999
2005	377,279,066	377,769,463	1.001	331,651,613	334,091,250	1.007	708,930,679	711,860,713	1.004
2006	391,806,193	392,527,519	1.002	326,822,484	325,861,911	0.997	718,628,677	718,389,430	1.000
2007	424,848,716	425,016,226	1.000	376,771,909	375,797,286	0.997	801,620,625	800,813,512	0.999
2008	381,613,369	382,368,709	1.002	316,108,091	316,402,876	1.001	697,721,460	698,771,585	1.002
2-yr avg			1.001			0.999			1.001
3-yr avg			1.001			0.998			1.000
4-yr avg			1.001			1.001			1.001
5-yr avg			1.001			1.000			1.001
PY	Indemnity Losses			Medical Losses			Total Losses		
	15th	16th	Dev't	15th	16th	Dev't	15th	16th	Dev't
2003	343,209,028	343,585,900	1.001	274,351,491	274,099,117	0.999	617,560,519	617,685,017	1.000
2004	366,615,980	367,226,371	1.002	326,610,217	326,892,500	1.001	693,226,197	694,118,871	1.001
2005	377,769,463	377,983,493	1.001	334,091,250	334,512,033	1.001	711,860,713	712,495,526	1.001
2006	385,724,228	385,065,557	0.998	318,959,632	317,771,386	0.996	704,683,860	702,836,943	0.997
2007	425,016,226	424,966,692	1.000	375,797,286	375,551,151	0.999	800,813,512	800,517,843	1.000
2-yr avg			0.999			0.998			0.999
3-yr avg			1.000			0.999			0.999
4-yr avg			1.000			0.999			1.000
5-yr avg			1.000			0.999			1.000
PY	Indemnity Losses			Medical Losses			Total Losses		
	16th	17th	Dev't	16th	17th	Dev't	16th	17th	Dev't
2002	309,253,834	310,220,294	1.003	248,628,049	248,634,531	1.000	557,881,883	558,854,825	1.002
2003	343,585,900	344,378,122	1.002	274,099,117	273,321,762	0.997	617,685,017	617,699,884	1.000
2004	367,084,579	367,185,721	1.000	326,871,430	327,577,004	1.002	693,956,009	694,762,725	1.001
2005	373,490,358	373,389,165	1.000	331,280,218	327,511,664	0.989	704,770,576	700,900,829	0.995
2006	385,065,557	386,726,630	1.004	317,771,386	317,629,026	1.000	702,836,943	704,355,656	1.002
2-yr avg			1.002			0.995			0.999
3-yr avg			1.001			0.997			0.999
4-yr avg			1.002			0.997			1.000
5-yr avg			1.002			0.998			1.000
PY	Indemnity Losses			Medical Losses			Total Losses		
	17th	18th	Dev't	17th	18th	Dev't	17th	18th	Dev't
2001	286,943,367	287,168,689	1.001	221,163,081	221,431,381	1.001	508,106,448	508,600,070	1.001
2002	310,220,294	310,790,172	1.002	248,634,531	249,390,976	1.003	558,854,825	560,181,148	1.002
2003	344,378,122	344,250,000	1.000	273,318,465	272,906,911	0.998	617,696,587	617,156,911	0.999
2004	358,720,285	358,693,302	1.000	320,561,557	323,252,784	1.008	679,281,842	681,946,086	1.004
2005	373,389,165	373,457,106	1.000	327,511,664	327,467,419	1.000	700,900,829	700,924,525	1.000
2-yr avg			1.000			1.004			1.002
3-yr avg			1.000			1.002			1.001
4-yr avg			1.001			1.002			1.001
5-yr avg			1.001			1.002			1.001
PY	Indemnity Losses			Medical Losses			Total Losses		
	18th	19th	Dev't	18th	19th	Dev't	18th	19th	Dev't
2000	278,491,265	279,065,632	1.002	226,312,506	227,471,974	1.005	504,803,771	506,537,606	1.003
2001	287,168,689	287,437,477	1.001	221,431,381	221,391,283	1.000	508,600,070	508,828,760	1.000
2002	310,771,011	310,515,714	0.999	249,370,765	250,173,224	1.003	560,141,776	560,688,938	1.001
2003	335,776,973	335,761,153	1.000	267,469,392	267,470,981	1.000	603,246,365	603,232,134	1.000
2004	358,693,302	359,740,814	1.003	323,252,784	324,523,904	1.004	681,946,086	684,264,718	1.003
2-yr avg			1.002			1.002			1.002
3-yr avg			1.001			1.002			1.001
4-yr avg			1.001			1.002			1.001
5-yr avg			1.001			1.002			1.001

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Indemnity Losses				Medical Losses			Total Losses		
AY	1st	2nd	Dev't	1st	2nd	Dev't	1st	2nd	Dev't
2018	45,992,437	162,650,435	3.536	93,070,512	185,378,640	1.992	139,062,949	348,029,075	2.503
2019	46,999,168	171,237,831	3.643	102,227,574	199,916,499	1.956	149,226,742	371,154,330	2.487
2020	44,094,731	157,511,916	3.572	83,977,546	185,888,136	2.214	128,072,277	343,400,052	2.681
2021	51,478,234	170,111,183	3.305	101,504,840	198,138,669	1.952	152,983,074	368,249,852	2.407
2022	53,668,024	186,256,512	3.471	100,317,543	212,096,433	2.114	153,985,567	398,352,945	2.587
2-yr avg			3.388			2.033			2.497
3-yr avg			3.449			2.093			2.558
4-yr avg			3.498			2.059			2.541
5-yr avg			3.505			2.046			2.533

Indemnity Losses				Medical Losses			Total Losses		
AY	2nd	3rd	Dev't	2nd	3rd	Dev't	2nd	3rd	Dev't
2017	151,782,799	224,941,988	1.482	177,328,359	200,183,610	1.129	329,111,158	425,125,598	1.292
2018	162,650,435	236,350,823	1.453	185,378,640	210,342,151	1.135	348,029,075	446,692,974	1.283
2019	171,237,831	248,460,965	1.451	199,916,499	234,021,656	1.171	371,154,330	482,482,621	1.300
2020	157,511,916	226,534,765	1.438	185,888,136	213,844,112	1.150	343,400,052	440,378,877	1.282
2021	170,111,183	244,767,118	1.439	198,138,669	230,550,654	1.164	368,249,852	475,317,772	1.291
2-yr avg			1.439			1.157			1.287
3-yr avg			1.443			1.162			1.291
4-yr avg			1.445			1.155			1.289
5-yr avg			1.453			1.150			1.290

Indemnity Losses				Medical Losses			Total Losses		
AY	3rd	4th	Dev't	3rd	4th	Dev't	3rd	4th	Dev't
2016	215,970,999	243,962,786	1.130	200,430,120	210,616,398	1.051	416,401,119	454,579,184	1.092
2017	224,941,988	252,436,363	1.122	200,183,610	208,439,284	1.041	425,125,598	460,875,647	1.084
2018	236,350,823	267,271,933	1.131	210,342,151	224,124,484	1.066	446,692,974	491,396,417	1.100
2019	248,460,965	285,513,459	1.149	234,021,656	248,805,795	1.063	482,482,621	534,319,254	1.107
2020	226,534,765	259,606,253	1.146	213,844,112	227,557,732	1.064	440,378,877	487,163,985	1.106
2-yr avg			1.148			1.064			1.107
3-yr avg			1.142			1.064			1.104
4-yr avg			1.137			1.059			1.099
5-yr avg			1.136			1.057			1.098

Indemnity Losses				Medical Losses			Total Losses		
AY	4th	5th	Dev't	4th	5th	Dev't	4th	5th	Dev't
2015	253,838,172	266,963,587	1.052	222,100,428	232,072,627	1.045	475,938,600	499,036,214	1.049
2016	243,962,786	257,528,306	1.056	210,616,398	216,802,342	1.029	454,579,184	474,330,648	1.043
2017	252,436,363	263,490,627	1.044	208,439,284	213,473,678	1.024	460,875,647	476,964,305	1.035
2018	267,271,933	282,400,781	1.057	224,124,484	229,364,334	1.023	491,396,417	511,765,115	1.041
2019	285,513,459	302,839,464	1.061	248,805,795	260,939,873	1.049	534,319,254	563,779,337	1.055
2-yr avg			1.059			1.036			1.048
3-yr avg			1.054			1.032			1.044
4-yr avg			1.055			1.031			1.044
5-yr avg			1.054			1.034			1.045

Indemnity Losses				Medical Losses			Total Losses		
AY	5th	6th	Dev't	5th	6th	Dev't	5th	6th	Dev't
2014	272,703,683	280,923,907	1.030	247,833,272	255,555,059	1.031	520,536,955	536,478,966	1.031
2015	266,963,587	274,693,357	1.029	232,072,627	235,520,835	1.015	499,036,214	510,214,192	1.022
2016	257,528,306	263,795,141	1.024	216,802,342	218,870,217	1.010	474,330,648	482,665,358	1.018
2017	263,490,627	268,846,261	1.020	213,473,678	215,655,222	1.010	476,964,305	484,501,483	1.016
2018	282,400,781	290,601,579	1.029	229,364,334	232,601,542	1.014	511,765,115	523,203,121	1.022
2-yr avg			1.025			1.012			1.019
3-yr avg			1.024			1.011			1.019
4-yr avg			1.026			1.012			1.020
5-yr avg			1.026			1.016			1.022

Indemnity Losses				Medical Losses			Total Losses		
AY	6th	7th	Dev't	6th	7th	Dev't	6th	7th	Dev't
2013	283,067,398	286,645,828	1.013	250,337,832	251,959,762	1.006	533,405,230	538,605,590	1.010
2014	280,923,907	284,097,343	1.011	255,555,059	256,740,992	1.005	536,478,966	540,838,335	1.008
2015	274,693,357	279,288,536	1.017	235,520,835	239,214,061	1.016	510,214,192	518,502,597	1.016
2016	263,795,141	266,378,151	1.010	218,870,217	219,501,236	1.003	482,665,358	485,879,387	1.007
2017	268,846,261	272,045,455	1.012	215,655,222	218,510,517	1.013	484,501,483	490,555,972	1.012
2-yr avg			1.011			1.008			1.010
3-yr avg			1.013			1.011			1.012
4-yr avg			1.013			1.009			1.011
5-yr avg			1.013			1.009			1.011

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Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>
2012	306,300,593	309,594,192	1.011	284,835,249	286,150,034	1.005	591,135,842	595,744,226	1.008
2013	286,545,873	289,291,673	1.010	251,796,818	253,606,433	1.007	538,342,691	542,898,106	1.008
2014	283,673,726	286,259,394	1.009	256,570,493	257,802,583	1.005	540,244,219	544,061,977	1.007
2015	279,144,496	282,217,046	1.011	238,931,370	240,782,709	1.008	518,075,866	522,999,755	1.010
2016	266,378,151	268,831,640	1.009	219,501,236	220,084,885	1.003	485,879,387	488,916,525	1.006
2-yr avg			1.010			1.006			1.008
3-yr avg			1.010			1.005			1.008
4-yr avg			1.010			1.006			1.008
5-yr avg			1.010			1.006			1.008
Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>
2011	331,907,302	336,354,595	1.013	300,927,722	303,622,896	1.009	632,835,024	639,977,491	1.011
2012	309,227,232	311,927,942	1.009	285,932,320	287,124,574	1.004	595,159,552	599,052,516	1.007
2013	288,928,297	290,343,613	1.005	253,401,752	254,161,396	1.003	542,330,049	544,505,009	1.004
2014	286,127,522	287,540,686	1.005	257,623,251	257,981,451	1.001	543,750,773	545,522,137	1.003
2015	282,217,046	285,297,958	1.011	240,782,709	242,713,430	1.008	522,999,755	528,011,388	1.010
2-yr avg			1.008			1.005			1.007
3-yr avg			1.007			1.004			1.006
4-yr avg			1.008			1.004			1.006
5-yr avg			1.009			1.005			1.007
Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>
2010	345,396,263	348,913,484	1.010	295,819,662	299,293,388	1.012	641,215,925	648,206,872	1.011
2011	336,250,643	338,978,445	1.008	303,509,530	305,537,670	1.007	639,760,173	644,516,115	1.007
2012	311,684,447	313,840,192	1.007	286,890,371	288,776,025	1.007	598,574,818	602,616,217	1.007
2013	289,410,583	290,252,440	1.003	253,364,219	254,111,306	1.003	542,774,802	544,363,746	1.003
2014	287,540,686	289,583,344	1.007	257,981,451	258,997,462	1.004	545,522,137	548,580,806	1.006
2-yr avg			1.005			1.004			1.005
3-yr avg			1.006			1.005			1.005
4-yr avg			1.006			1.005			1.006
5-yr avg			1.007			1.007			1.007
Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>
2009	348,389,029	351,020,683	1.008	290,603,499	292,192,407	1.005	638,992,528	643,213,090	1.007
2010	348,227,404	350,987,364	1.008	298,767,493	300,960,560	1.007	646,994,897	651,947,924	1.008
2011	336,110,748	338,483,637	1.007	304,169,341	306,004,105	1.006	640,280,089	644,487,742	1.007
2012	311,564,678	312,290,447	1.002	286,722,938	287,237,836	1.002	598,287,616	599,528,283	1.002
2013	290,252,440	291,343,579	1.004	254,111,306	255,950,309	1.007	544,363,746	547,293,888	1.005
2-yr avg			1.003			1.005			1.004
3-yr avg			1.004			1.005			1.005
4-yr avg			1.005			1.006			1.006
5-yr avg			1.006			1.005			1.006
Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>
2008	418,190,301	419,851,149	1.004	332,941,753	334,462,836	1.005	751,132,054	754,313,985	1.004
2009	350,489,749	351,573,486	1.003	291,951,640	293,074,316	1.004	642,441,389	644,647,802	1.003
2010	349,487,490	350,695,496	1.003	300,318,139	301,795,790	1.005	649,805,629	652,491,286	1.004
2011	336,635,284	337,664,707	1.003	304,687,080	305,740,250	1.003	641,322,364	643,404,957	1.003
2012	312,290,447	312,768,028	1.002	287,237,836	288,105,813	1.003	599,528,283	600,873,841	1.002
2-yr avg			1.003			1.003			1.003
3-yr avg			1.003			1.004			1.003
4-yr avg			1.003			1.004			1.003
5-yr avg			1.003			1.004			1.003
Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>
2007	399,870,011	401,196,537	1.003	338,233,893	340,528,109	1.007	738,103,904	741,724,646	1.005
2008	419,840,946	421,298,629	1.003	334,451,924	336,091,434	1.005	754,292,870	757,390,063	1.004
2009	350,900,568	352,127,116	1.003	292,665,083	295,549,770	1.010	643,565,651	647,676,886	1.006
2010	346,840,565	348,585,749	1.005	298,673,970	300,369,241	1.006	645,514,535	648,954,990	1.005
2011	337,664,707	338,147,233	1.001	305,740,250	306,289,004	1.002	643,404,957	644,436,237	1.002
2-yr avg			1.003			1.004			1.004
3-yr avg			1.003			1.006			1.004
4-yr avg			1.003			1.006			1.004
5-yr avg			1.003			1.006			1.004

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AY	Indemnity Losses			Medical Losses			Total Losses		
	13th	14th	Dev't	13th	14th	Dev't	13th	14th	Dev't
2006	372,649,881	373,738,475	1.003	309,347,405	310,938,751	1.005	681,997,286	684,677,226	1.004
2007	401,196,537	402,169,067	1.002	340,528,109	341,451,058	1.003	741,724,646	743,620,125	1.003
2008	421,046,503	422,120,740	1.003	335,677,669	337,139,633	1.004	756,724,172	759,260,373	1.003
2009	347,861,280	348,307,549	1.001	292,747,343	293,502,647	1.003	640,608,623	641,810,196	1.002
2010	348,585,749	349,669,481	1.003	300,369,241	302,784,548	1.008	648,954,990	652,454,029	1.005
2-yr avg			1.002			1.006			1.004
3-yr avg			1.002			1.005			1.003
4-yr avg			1.002			1.005			1.003
5-yr avg			1.002			1.005			1.003
AY	Indemnity Losses			Medical Losses			Total Losses		
	14th	15th	Dev't	14th	15th	Dev't	14th	15th	Dev't
2005	368,290,833	369,284,535	1.003	330,363,387	332,023,473	1.005	698,654,220	701,308,008	1.004
2006	373,738,475	374,451,469	1.002	310,938,751	309,669,330	0.996	684,677,226	684,120,799	0.999
2007	402,169,067	403,135,677	1.002	341,451,058	342,614,548	1.003	743,620,125	745,750,225	1.003
2008	418,057,164	418,752,987	1.002	333,516,001	334,200,427	1.002	751,573,165	752,953,414	1.002
2009	348,307,549	348,933,718	1.002	293,502,647	294,384,284	1.003	641,810,196	643,318,002	1.002
2-yr avg			1.002			1.003			1.002
3-yr avg			1.002			1.003			1.002
4-yr avg			1.002			1.001			1.002
5-yr avg			1.002			1.002			1.002
AY	Indemnity Losses			Medical Losses			Total Losses		
	15th	16th	Dev't	15th	16th	Dev't	15th	16th	Dev't
2004	351,397,665	352,650,339	1.004	269,551,025	270,887,700	1.005	620,948,690	623,538,039	1.004
2005	369,284,535	370,453,880	1.003	332,023,473	333,961,912	1.006	701,308,008	704,415,792	1.004
2006	374,446,469	375,148,177	1.002	309,667,762	310,931,340	1.004	684,114,231	686,079,517	1.003
2007	396,371,876	396,595,325	1.001	334,731,418	336,208,996	1.004	731,103,294	732,804,321	1.002
2008	418,752,987	419,340,387	1.001	334,200,427	334,901,933	1.002	752,953,414	754,242,320	1.002
2-yr avg			1.001			1.003			1.002
3-yr avg			1.001			1.003			1.002
4-yr avg			1.002			1.004			1.003
5-yr avg			1.002			1.004			1.003
AY	Indemnity Losses			Medical Losses			Total Losses		
	16th	17th	Dev't	16th	17th	Dev't	16th	17th	Dev't
2003	321,234,398	323,038,492	1.006	250,352,515	251,766,426	1.006	571,586,913	574,804,918	1.006
2004	352,650,339	353,393,929	1.002	270,887,700	271,527,671	1.002	623,538,039	624,921,600	1.002
2005	370,312,088	370,827,713	1.001	333,940,842	336,048,386	1.006	704,252,930	706,876,099	1.004
2006	369,037,435	369,680,506	1.002	307,620,342	308,447,293	1.003	676,657,777	678,127,799	1.002
2007	396,595,325	396,915,433	1.001	336,208,996	337,603,754	1.004	732,804,321	734,519,187	1.002
2-yr avg			1.002			1.004			1.002
3-yr avg			1.001			1.004			1.003
4-yr avg			1.002			1.004			1.003
5-yr avg			1.002			1.004			1.003
AY	Indemnity Losses			Medical Losses			Total Losses		
	17th	18th	Dev't	17th	18th	Dev't	17th	18th	Dev't
2002	288,674,110	289,087,473	1.001	221,864,992	222,283,754	1.002	510,539,102	511,371,227	1.002
2003	323,038,492	323,963,531	1.003	251,766,426	253,054,288	1.005	574,804,918	577,017,819	1.004
2004	353,393,929	354,558,089	1.003	271,527,671	272,334,164	1.003	624,921,600	626,892,253	1.003
2005	366,437,382	366,859,962	1.001	332,996,550	334,880,834	1.006	699,433,932	701,740,796	1.003
2006	369,680,506	371,563,148	1.005	308,447,293	309,096,196	1.002	678,127,799	680,659,344	1.004
2-yr avg			1.003			1.004			1.004
3-yr avg			1.003			1.004			1.003
4-yr avg			1.003			1.004			1.004
5-yr avg			1.003			1.004			1.003
AY	Indemnity Losses			Medical Losses			Total Losses		
	18th	19th	Dev't	18th	19th	Dev't	18th	19th	Dev't
2001	276,414,922	276,775,831	1.001	215,857,617	216,627,522	1.004	492,272,539	493,403,353	1.002
2002	289,087,473	290,049,219	1.003	222,283,754	222,896,093	1.003	511,371,227	512,945,312	1.003
2003	323,945,237	325,126,074	1.004	253,032,332	254,804,258	1.007	576,977,569	579,930,332	1.005
2004	345,573,420	346,237,673	1.002	264,924,999	265,507,324	1.002	610,498,419	611,744,997	1.002
2005	366,859,962	367,327,615	1.001	334,880,834	336,110,111	1.004	701,740,796	703,437,726	1.002
2-yr avg			1.002			1.003			1.002
3-yr avg			1.002			1.004			1.003
4-yr avg			1.003			1.004			1.003
5-yr avg			1.002			1.004			1.003

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Indemnity Losses				Medical Losses			Total Losses		
AY	1st	2nd	Dev't	1st	2nd	Dev't	1st	2nd	Dev't
2018	151,159,291	247,667,847	1.638	236,754,358	259,024,953	1.094	387,913,649	506,692,800	1.306
2019	156,208,209	263,373,020	1.686	272,414,521	314,114,129	1.153	428,622,730	577,487,149	1.347
2020	147,049,351	239,932,388	1.632	239,141,808	273,507,922	1.144	386,191,159	513,440,310	1.329
2021	153,378,127	251,048,259	1.637	276,154,049	298,076,157	1.079	429,532,176	549,124,416	1.278
2022	166,839,477	283,319,906	1.698	278,472,779	326,239,233	1.172	445,312,256	609,559,139	1.369
2-yr avg			1.668			1.126			1.324
3-yr avg			1.656			1.132			1.325
4-yr avg			1.663			1.137			1.331
5-yr avg			1.658			1.128			1.326

Indemnity Losses				Medical Losses			Total Losses		
AY	2nd	3rd	Dev't	2nd	3rd	Dev't	2nd	3rd	Dev't
2017	233,300,745	262,889,675	1.127	270,358,927	251,202,224	0.929	503,659,672	514,091,899	1.021
2018	247,667,847	281,734,038	1.138	259,024,953	251,949,364	0.973	506,692,800	533,683,402	1.053
2019	263,373,020	298,461,738	1.133	314,114,129	298,814,212	0.951	577,487,149	597,275,950	1.034
2020	239,932,388	273,177,896	1.139	273,507,922	272,179,071	0.995	513,440,310	545,356,967	1.062
2021	251,048,259	294,166,192	1.172	298,076,157	297,032,758	0.996	549,124,416	591,198,950	1.077
2-yr avg			1.156			0.996			1.070
3-yr avg			1.148			0.981			1.058
4-yr avg			1.146			0.979			1.057
5-yr avg			1.142			0.969			1.049

Indemnity Losses				Medical Losses			Total Losses		
AY	3rd	4th	Dev't	3rd	4th	Dev't	3rd	4th	Dev't
2016	254,171,720	263,658,472	1.037	232,980,104	228,543,340	0.981	487,151,824	492,201,812	1.010
2017	262,889,675	271,170,298	1.031	251,202,224	249,287,988	0.992	514,091,899	520,458,286	1.012
2018	281,734,038	293,829,992	1.043	251,949,364	252,960,724	1.004	533,683,402	546,790,716	1.025
2019	298,461,738	312,501,326	1.047	298,814,212	303,114,710	1.014	597,275,950	615,616,036	1.031
2020	273,177,896	284,447,148	1.041	272,179,071	275,082,273	1.011	545,356,967	559,529,421	1.026
2-yr avg			1.044			1.013			1.029
3-yr avg			1.044			1.010			1.027
4-yr avg			1.041			1.005			1.024
5-yr avg			1.040			1.000			1.021

Indemnity Losses				Medical Losses			Total Losses		
AY	4th	5th	Dev't	4th	5th	Dev't	4th	5th	Dev't
2015	279,099,553	283,706,160	1.017	255,175,542	249,753,311	0.979	534,275,095	533,459,471	0.998
2016	263,658,472	270,177,730	1.025	228,543,340	226,382,894	0.991	492,201,812	496,560,624	1.009
2017	271,170,298	275,710,200	1.017	249,287,988	245,732,702	0.986	520,458,286	521,442,902	1.002
2018	293,829,992	298,863,590	1.017	252,960,724	249,092,375	0.985	546,790,716	547,955,965	1.002
2019	312,501,326	317,954,419	1.017	303,114,710	295,884,856	0.976	615,616,036	613,839,275	0.997
2-yr avg			1.017			0.981			1.000
3-yr avg			1.017			0.982			1.000
4-yr avg			1.019			0.985			1.003
5-yr avg			1.019			0.983			1.002

Indemnity Losses				Medical Losses			Total Losses		
AY	5th	6th	Dev't	5th	6th	Dev't	5th	6th	Dev't
2014	286,406,754	289,063,984	1.009	266,134,710	262,613,587	0.987	552,541,464	551,677,571	0.998
2015	283,706,160	287,194,035	1.012	249,753,311	250,518,985	1.003	533,459,471	537,713,020	1.008
2016	270,177,730	271,962,161	1.007	226,382,894	226,470,340	1.000	496,560,624	498,432,501	1.004
2017	275,710,200	277,254,929	1.006	245,732,702	246,467,368	1.003	521,442,902	523,722,297	1.004
2018	298,863,590	300,770,480	1.006	249,092,375	246,932,459	0.991	547,955,965	547,702,939	1.000
2-yr avg			1.006			0.997			1.002
3-yr avg			1.006			0.998			1.003
4-yr avg			1.008			0.999			1.004
5-yr avg			1.008			0.997			1.003

Indemnity Losses				Medical Losses			Total Losses		
AY	6th	7th	Dev't	6th	7th	Dev't	6th	7th	Dev't
2013	292,200,868	292,616,104	1.001	267,457,478	264,507,564	0.989	559,658,346	557,123,668	0.995
2014	289,063,984	289,892,073	1.003	262,613,587	262,618,480	1.000	551,677,571	552,510,553	1.002
2015	287,194,035	287,840,359	1.002	250,518,985	251,169,720	1.003	537,713,020	539,010,079	1.002
2016	271,962,161	274,910,261	1.011	226,470,340	226,165,657	0.999	498,432,501	501,075,918	1.005
2017	277,254,929	278,659,071	1.005	246,467,368	247,619,920	1.005	523,722,297	526,278,991	1.005
2-yr avg			1.008			1.002			1.005
3-yr avg			1.006			1.002			1.004
4-yr avg			1.005			1.002			1.004
5-yr avg			1.004			0.999			1.002

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Accident Year Development Factors, Continued

Accident Year Development Factors, Continued									
Indemnity Losses			Medical Losses			Total Losses			
AY	7th	8th	Dev't	7th	8th	Dev't	7th	8th	Dev't
2012	314,304,093	315,303,840	1.003	298,680,549	298,749,840	1.000	612,984,642	614,053,680	1.002
2013	292,516,149	293,811,888	1.004	264,344,620	264,073,116	0.999	556,860,769	557,885,004	1.002
2014	289,468,456	289,979,862	1.002	262,447,981	262,747,052	1.001	551,916,437	552,726,914	1.001
2015	287,696,319	288,266,430	1.002	250,887,029	251,216,849	1.001	538,583,348	539,483,279	1.002
2016	274,910,261	274,963,084	1.000	226,165,657	225,635,130	0.998	501,075,918	500,598,214	0.999
2-yr avg			1.001			1.000			1.001
3-yr avg			1.001			1.000			1.001
4-yr avg			1.002			1.000			1.001
5-yr avg			1.002			1.000			1.001
Indemnity Losses			Medical Losses			Total Losses			
AY	8th	9th	Dev't	8th	9th	Dev't	8th	9th	Dev't
2011	341,731,233	343,626,958	1.006	317,018,952	317,568,402	1.002	658,750,185	661,195,360	1.004
2012	314,936,880	316,255,695	1.004	298,532,126	297,640,485	0.997	613,469,006	613,896,180	1.001
2013	293,448,512	293,703,091	1.001	263,868,435	263,822,398	1.000	557,316,947	557,525,489	1.000
2014	289,847,990	290,724,875	1.003	262,567,720	262,975,446	1.002	552,415,710	553,700,321	1.002
2015	288,266,430	289,307,302	1.004	251,216,849	249,401,102	0.993	539,483,279	538,708,404	0.999
2-yr avg			1.004			0.998			1.001
3-yr avg			1.003			0.998			1.000
4-yr avg			1.003			0.998			1.001
5-yr avg			1.004			0.999			1.001
Indemnity Losses			Medical Losses			Total Losses			
AY	9th	10th	Dev't	9th	10th	Dev't	9th	10th	Dev't
2010	357,842,782	358,921,158	1.003	324,854,786	325,113,398	1.001	682,697,568	684,034,556	1.002
2011	343,523,006	344,206,910	1.002	317,455,036	317,051,933	0.999	660,978,042	661,258,843	1.000
2012	316,012,200	316,203,292	1.001	297,406,282	297,760,328	1.001	613,418,482	613,963,620	1.001
2013	292,770,061	292,993,765	1.001	263,025,221	263,431,579	1.002	555,795,282	556,425,344	1.001
2014	290,724,875	290,907,662	1.001	262,975,446	262,874,161	1.000	553,700,321	553,781,823	1.000
2-yr avg			1.001			1.001			1.001
3-yr avg			1.001			1.001			1.001
4-yr avg			1.001			1.001			1.001
5-yr avg			1.002			1.001			1.001
Indemnity Losses			Medical Losses			Total Losses			
AY	10th	11th	Dev't	10th	11th	Dev't	10th	11th	Dev't
2009	357,008,137	357,035,533	1.000	307,544,011	307,126,160	0.999	664,552,148	664,161,693	0.999
2010	358,235,078	361,015,435	1.008	324,587,503	324,848,221	1.001	682,822,581	685,863,656	1.004
2011	341,339,213	342,734,067	1.004	315,683,604	313,995,516	0.995	657,022,817	656,729,583	1.000
2012	313,927,778	314,337,373	1.001	295,707,241	295,043,764	0.998	609,635,019	609,381,137	1.000
2013	292,993,765	292,833,007	0.999	263,431,579	263,628,586	1.001	556,425,344	556,461,593	1.000
2-yr avg			1.000			1.000			1.000
3-yr avg			1.001			0.998			1.000
4-yr avg			1.003			0.999			1.001
5-yr avg			1.002			0.999			1.001
Indemnity Losses			Medical Losses			Total Losses			
AY	11th	12th	Dev't	11th	12th	Dev't	11th	12th	Dev't
2008	429,534,973	428,646,491	0.998	348,525,304	349,167,531	1.002	778,060,277	777,814,022	1.000
2009	356,504,599	357,402,374	1.003	306,885,393	306,676,825	0.999	663,389,992	664,079,199	1.001
2010	359,515,561	361,474,520	1.005	324,205,800	324,786,271	1.002	683,721,361	686,260,791	1.004
2011	340,885,714	340,609,018	0.999	312,678,491	313,153,073	1.002	653,564,205	653,762,091	1.000
2012	314,337,373	314,142,633	0.999	295,043,764	294,288,960	0.997	609,381,137	608,431,593	0.998
2-yr avg			0.999			1.000			0.999
3-yr avg			1.001			1.000			1.001
4-yr avg			1.002			1.000			1.001
5-yr avg			1.001			1.000			1.001
Indemnity Losses			Medical Losses			Total Losses			
AY	12th	13th	Dev't	12th	13th	Dev't	12th	13th	Dev't
2007	406,141,844	406,330,356	1.000	359,502,248	359,200,726	0.999	765,644,092	765,531,082	1.000
2008	428,636,288	428,980,747	1.001	349,156,619	349,622,167	1.001	777,792,907	778,602,914	1.001
2009	356,642,089	357,205,740	1.002	306,267,592	310,099,407	1.013	662,909,681	667,305,147	1.007
2010	357,619,589	357,917,023	1.001	321,664,451	321,676,945	1.000	679,284,040	679,593,968	1.000
2011	340,609,018	340,997,273	1.001	313,153,073	313,959,000	1.003	653,762,091	654,956,273	1.002
2-yr avg			1.001			1.002			1.001
3-yr avg			1.001			1.005			1.003
4-yr avg			1.001			1.004			1.003
5-yr avg			1.001			1.003			1.002

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Accident Year Development Factors, Continued

AY	Indemnity Losses			Medical Losses			Total Losses		
	13th	14th	Dev't	13th	14th	Dev't	13th	14th	Dev't
2006	380,677,220	381,234,459	1.001	321,699,629	321,861,204	1.001	702,376,849	703,095,663	1.001
2007	406,330,356	406,447,857	1.000	359,200,726	363,560,335	1.012	765,531,082	770,008,192	1.006
2008	428,728,621	429,524,416	1.002	349,208,402	349,291,509	1.000	777,937,023	778,815,925	1.001
2009	352,719,335	353,009,645	1.001	307,295,258	307,286,797	1.000	660,014,593	660,296,442	1.000
2010	357,917,023	358,458,911	1.002	321,676,945	324,838,369	1.010	679,593,968	683,297,280	1.005
2-yr avg			1.002			1.005			1.003
3-yr avg			1.002			1.003			1.002
4-yr avg			1.001			1.006			1.003
5-yr avg			1.001			1.005			1.003
AY	Indemnity Losses			Medical Losses			Total Losses		
	14th	15th	Dev't	14th	15th	Dev't	14th	15th	Dev't
2005	375,103,146	374,724,944	0.999	352,604,877	351,505,798	0.997	727,708,023	726,230,742	0.998
2006	381,234,459	381,995,370	1.002	321,861,204	325,535,744	1.011	703,095,663	707,531,114	1.006
2007	406,447,857	406,255,645	1.000	363,560,335	364,144,071	1.002	770,008,192	770,399,716	1.001
2008	425,460,840	424,949,395	0.999	345,658,370	344,764,722	0.997	771,119,210	769,714,117	0.998
2009	353,009,645	353,581,374	1.002	307,286,797	307,534,170	1.001	660,296,442	661,115,544	1.001
2-yr avg			1.001			0.999			1.000
3-yr avg			1.000			1.000			1.000
4-yr avg			1.001			1.003			1.002
5-yr avg			1.000			1.002			1.001
AY	Indemnity Losses			Medical Losses			Total Losses		
	15th	16th	Dev't	15th	16th	Dev't	15th	16th	Dev't
2004	358,591,828	359,340,040	1.002	278,359,451	278,972,433	1.002	636,951,279	638,312,473	1.002
2005	374,724,944	375,100,313	1.001	351,505,798	351,674,889	1.000	726,230,742	726,775,202	1.001
2006	381,990,370	382,472,006	1.001	325,534,176	324,082,104	0.996	707,524,546	706,554,110	0.999
2007	399,307,582	399,437,499	1.000	355,459,535	355,053,009	0.999	754,767,117	754,490,508	1.000
2008	424,949,395	425,171,049	1.001	344,764,722	344,438,233	0.999	769,714,117	769,609,282	1.000
2-yr avg			1.001			0.999			1.000
3-yr avg			1.001			0.998			1.000
4-yr avg			1.001			0.999			1.000
5-yr avg			1.001			0.999			1.000
AY	Indemnity Losses			Medical Losses			Total Losses		
	16th	17th	Dev't	16th	17th	Dev't	16th	17th	Dev't
2003	330,115,256	331,012,359	1.003	273,265,881	272,694,951	0.998	603,381,137	603,707,310	1.001
2004	359,340,040	360,274,682	1.003	278,972,433	278,613,670	0.999	638,312,473	638,888,352	1.001
2005	374,958,521	375,058,416	1.000	351,653,819	352,548,568	1.003	726,612,340	727,606,984	1.001
2006	376,361,264	375,411,018	0.997	320,771,106	316,016,457	0.985	697,132,370	691,427,475	0.992
2007	399,437,499	399,565,454	1.000	355,053,009	354,763,624	0.999	754,490,508	754,329,078	1.000
2-yr avg			0.999			0.992			0.996
3-yr avg			0.999			0.996			0.998
4-yr avg			1.000			0.997			0.999
5-yr avg			1.001			0.997			0.999
AY	Indemnity Losses			Medical Losses			Total Losses		
	17th	18th	Dev't	17th	18th	Dev't	17th	18th	Dev't
2002	292,889,625	293,268,793	1.001	227,274,776	227,490,359	1.001	520,164,401	520,759,152	1.001
2003	331,012,359	331,763,290	1.002	272,694,951	272,553,403	0.999	603,707,310	604,316,693	1.001
2004	360,274,682	360,278,279	1.000	278,613,670	278,787,196	1.001	638,888,352	639,065,475	1.000
2005	370,668,085	370,781,319	1.000	349,496,732	351,631,653	1.006	720,164,817	722,412,972	1.003
2006	375,411,018	376,984,602	1.004	316,016,457	315,769,155	0.999	691,427,475	692,753,757	1.002
2-yr avg			1.002			1.003			1.003
3-yr avg			1.001			1.002			1.002
4-yr avg			1.002			1.001			1.002
5-yr avg			1.001			1.001			1.001
AY	Indemnity Losses			Medical Losses			Total Losses		
	18th	19th	Dev't	18th	19th	Dev't	18th	19th	Dev't
2001	280,170,745	280,844,063	1.002	233,666,842	234,570,618	1.004	513,837,587	515,414,681	1.003
2002	293,268,793	293,862,264	1.002	227,490,359	227,703,480	1.001	520,759,152	521,565,744	1.002
2003	331,744,996	331,401,713	0.999	272,531,447	272,517,955	1.000	604,276,443	603,919,668	0.999
2004	351,293,610	351,405,306	1.000	271,378,031	271,782,500	1.001	622,671,641	623,187,806	1.001
2005	370,781,319	370,863,306	1.000	351,631,653	351,486,916	1.000	722,412,972	722,350,222	1.000
2-yr avg			1.000			1.001			1.001
3-yr avg			1.000			1.000			1.000
4-yr avg			1.000			1.001			1.001
5-yr avg			1.001			1.001			1.001

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Item

- 3(c) The filer shall provide for each of the loss amounts in Sub-item (3)(b) of this Rule, paid claim counts, incurred claim counts, and outstanding claim counts.

Response

The requested claim count data are not regularly collected through the statistical plan. Incurred claim counts are available from NCCI's financial calls and are attached as Exhibit 3(c), pages 1 and 2.

The requested paid and outstanding claim count data are attached as Exhibit 3(c), page 3. The source of this data is a special North Carolina Financial Call. Caution should be used in interpreting the data shown on these exhibits. For instance, the data, as it is shown, cannot be used to make a determination on the relative frequency of claims—the data must first be developed to an ultimate basis. In addition, consideration would have to be given to matching companies, shifts in premium and loss volume and any differences in reporting methods by company. This data does not correspond to the loss amounts in the response to Item 3(b) and has not been used in any loss cost level calculations.

North Carolina Open and Closed Claim Count Data*

Policy Year

Policy Year	Paid (Closed) Claim Counts			Outstanding (Open) Claim Counts			Total Claim Counts		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
		Medical			Medical			Medical	
	<u>Indemnity</u>	<u>Only</u>	<u>Total</u>	<u>Indemnity</u>	<u>Only</u>	<u>Total</u>	<u>Indemnity</u>	<u>Only</u>	<u>Total</u>
2018	10,349	31,082	41,431	229	39	268	10,578	31,121	41,699
2019	9,491	28,107	37,598	357	54	411	9,848	28,161	38,009
2020	9,751	24,681	34,432	685	93	778	10,436	24,774	35,210
2021	8,344	27,127	35,471	1,746	351	2,097	10,090	27,478	37,568
2022	5,170	25,162	30,332	4,497	1,841	6,338	9,667	27,003	36,670

Accident Year

Accident Year	Paid (Closed) Claim Counts			Outstanding (Open) Claim Counts			Total Claim Counts		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
		Medical			Medical			Medical	
	<u>Indemnity</u>	<u>Only</u>	<u>Total</u>	<u>Indemnity</u>	<u>Only</u>	<u>Total</u>	<u>Indemnity</u>	<u>Only</u>	<u>Total</u>
2019	10,130	31,686	41,816	306	54	360	10,436	31,740	42,176
2020	9,422	23,909	33,331	473	65	538	9,895	23,974	33,869
2021	9,042	26,533	35,575	1,075	189	1,264	10,117	26,722	36,839
2022	7,096	26,836	33,932	2,908	653	3,561	10,004	27,489	37,493
2023	2,353	19,800	22,153	6,198	5,455	11,653	8,551	25,255	33,806

* Claim counts are not developed to an ultimate basis. For guidelines on the interpretation of this data, please see the response to Item 3(c).
PY and AY data is valued as of 12/31/23.

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Item

- 3(d) The filer shall provide at least the latest ten available policy years of the incurred loss data described in Sub-items (3)(d)(i) through (ii) of this Rule from the Unit Statistical Plan for matching policies for all pairs of successive evaluation dates. The filer shall also provide the corresponding loss development factors and five-year average factors derivable from the data.
- (i) Losses separated into indemnity and medical portions, as well as combined data;
 - (ii) Losses separated into deaths, permanent totals, major permanent partials, minor permanent partials, temporary totals, and medicals only.

Response

See attached Exhibit 3(d) for the available incurred loss data from the Workers Compensation Statistical Plan.

NORTH CAROLINA

WORKERS COMPENSATION STATISTICAL PLAN DATA

Injury Type: Fatal

Indemnity					Medical					Combined (Indemnity + Medical)							
<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>	<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>	<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2012	7,619,112	8,207,346	8,123,403	8,695,253	8,873,338	2012	1,572,602	1,553,292	1,349,708	1,531,111	1,530,535	2012	9,191,714	9,760,638	9,473,111	10,226,364	10,403,873
2013	6,339,929	8,436,539	8,315,961	7,445,829	7,401,425	2013	916,088	878,775	884,277	849,777	829,777	2013	7,256,017	9,315,314	9,200,238	8,295,606	8,231,202
2014	11,895,209	12,956,565	13,233,449	13,465,455	13,330,545	2014	1,496,889	1,286,028	1,114,101	1,082,601	966,871	2014	13,392,098	14,242,593	14,347,550	14,548,056	14,297,416
2015	14,180,354	15,335,649	15,378,127	15,371,943	15,509,420	2015	1,138,388	969,668	3,410,664	2,432,874	2,248,539	2015	15,318,742	16,305,317	18,788,791	17,804,817	17,757,959
2016	15,075,531	15,100,350	15,357,004	15,629,984	15,591,624	2016	1,519,225	1,411,833	1,153,632	1,164,353	1,131,086	2016	16,594,756	16,512,183	16,510,636	16,794,337	16,722,710
2017	15,269,213	16,090,984	16,968,540	16,889,614	17,086,137	2017	3,417,386	6,736,901	4,622,757	4,605,464	4,602,521	2017	18,686,599	22,827,885	21,591,297	21,495,078	21,688,658
2018	13,518,721	14,021,549	17,007,531	14,775,786		2018	4,185,523	4,406,616	4,408,925	4,382,546		2018	17,704,244	18,428,165	21,416,456	19,158,332	
2019	16,330,770	17,309,767	17,128,068			2019	1,370,667	14,999,855	14,939,859			2019	17,701,437	32,309,622	32,067,927		
2020	18,756,633	18,517,776				2020	1,094,468	802,367				2020	19,851,101	19,320,143			
2021	22,597,084					2021	3,091,852					2021	25,688,936				
<u>Policy Year</u>	<u>1st to 2nd</u>	<u>2nd to 3rd</u>	<u>3rd to 4th</u>	<u>4th to 5th</u>		<u>Policy Year</u>	<u>1st to 2nd</u>	<u>2nd to 3rd</u>	<u>3rd to 4th</u>	<u>4th to 5th</u>		<u>Policy Year</u>	<u>1st to 2nd</u>	<u>2nd to 3rd</u>	<u>3rd to 4th</u>	<u>4th to 5th</u>	
2012	1.077	0.990	1.070	1.020		2012	0.988	0.869	1.134	1.000		2012	1.062	0.971	1.080	1.017	
2013	1.331	0.986	0.895	0.994		2013	0.959	1.006	0.961	0.976		2013	1.284	0.988	0.902	0.992	
2014	1.089	1.021	1.018	0.990		2014	0.859	0.866	0.972	0.893		2014	1.064	1.007	1.014	0.983	
2015	1.081	1.003	1.000	1.009		2015	0.852	3.517	0.713	0.924		2015	1.064	1.152	0.948	0.997	
2016	1.002	1.017	1.018	0.998		2016	0.929	0.817	1.009	0.971		2016	0.995	1.000	1.017	0.996	
2017	1.054	1.055	0.995	1.012		2017	1.971	0.686	0.996	0.999		2017	1.222	0.946	0.996	1.009	
2018	1.037	1.213	0.869			2018	1.053	1.001	0.994			2018	1.041	1.162	0.895		
2019	1.060	0.990				2019	10.943	0.996				2019	1.825	0.993			
2020	0.987					2020	0.733					2020	0.973				
5-yr Avg	1.028	1.056	0.980	1.001		5-yr Avg	3.126	1.403	0.937	0.953		5-yr Avg	1.211	1.051	0.974	0.995	

Injury Type: Permanent Total

Indemnity					Medical					Combined (Indemnity + Medical)							
<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>	<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>	<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2012	4,439,987	7,162,541	8,720,279	11,318,301	12,730,264	2012	35,439,940	35,941,519	36,304,473	40,997,555	44,113,292	2012	39,879,927	43,104,060	45,024,752	52,315,856	56,843,556
2013	2,062,049	2,870,623	4,651,336	5,717,843	5,899,850	2013	16,452,835	18,004,298	15,698,204	15,439,554	12,102,395	2013	18,514,884	20,874,921	20,349,540	21,157,397	18,002,245
2014	1,253,900	5,292,164	7,398,220	8,207,230	10,939,462	2014	3,668,743	13,374,417	13,763,547	10,683,207	13,473,411	2014	4,922,643	18,666,581	21,161,767	18,890,437	24,412,873
2015	3,583,075	4,728,491	6,065,840	7,766,232	8,425,849	2015	8,525,447	13,275,551	14,402,304	19,781,888	17,936,117	2015	12,108,522	18,004,042	20,468,144	27,548,120	26,361,966
2016	3,478,367	7,886,329	10,912,682	11,065,866	11,648,388	2016	15,526,902	37,031,277	38,569,488	40,561,474	40,542,257	2016	19,005,269	44,917,606	49,482,170	51,627,340	52,190,645
2017	3,591,918	7,606,605	7,394,520	7,540,683	8,147,625	2017	21,603,228	24,924,775	18,543,507	16,047,858	14,987,592	2017	25,195,146	32,531,380	25,938,027	23,588,541	23,135,217
2018	8,135,919	8,403,275	11,675,442	11,617,651		2018	27,645,961	31,167,367	24,058,636	22,856,921		2018	35,781,880	39,570,642	35,734,078	34,474,572	
2019	7,325,442	12,755,678	18,324,325			2019	37,693,173	65,735,300	75,953,542			2019	45,018,615	78,490,978	94,277,867		
2020	4,664,864	8,397,705				2020	38,021,974	49,940,171				2020	42,686,838	58,337,876			
2021	5,597,882					2021	41,324,457					2021	46,922,339				
<u>Policy Year</u>	<u>1st to 2nd</u>	<u>2nd to 3rd</u>	<u>3rd to 4th</u>	<u>4th to 5th</u>		<u>Policy Year</u>	<u>1st to 2nd</u>	<u>2nd to 3rd</u>	<u>3rd to 4th</u>	<u>4th to 5th</u>		<u>Policy Year</u>	<u>1st to 2nd</u>	<u>2nd to 3rd</u>	<u>3rd to 4th</u>	<u>4th to 5th</u>	
2012	1.613	1.217	1.298	1.125		2012	1.014	1.010	1.129	1.076		2012	1.081	1.045	1.162	1.087	
2013	1.392	1.620	1.229	1.032		2013	1.094	0.872	0.984	0.784		2013	1.127	0.975	1.040	0.851	
2014	4.221	1.398	1.109	1.333		2014	3.646	1.029	0.776	1.261		2014	3.792	1.134	0.893	1.292	
2015	1.320	1.283	1.280	1.085		2015	1.557	1.085	1.374	0.907		2015	1.487	1.137	1.346	0.957	
2016	2.267	1.384	1.014	1.053		2016	2.385	1.042	1.052	1.000		2016	2.363	1.102	1.043	1.011	
2017	2.118	0.972	1.020	1.080		2017	1.154	0.744	0.865	0.934		2017	1.291	0.797	0.909	0.981	
2018	1.033	1.389	0.995			2018	1.127	0.772	0.950			2018	1.106	0.903	0.965		
2019	1.741	1.437				2019	1.744	1.155				2019	1.744	1.201			
2020	1.800					2020	1.313					2020	1.367				
5-yr Avg	1.792	1.293	1.084	1.117		5-yr Avg	1.545	0.960	1.003	0.977		5-yr Avg	1.574	1.028	1.031	1.018	

NORTH CAROLINA

WORKERS COMPENSATION STATISTICAL PLAN DATA

Injury Type: Permanent Partial

Indemnity						Medical					Combined (Indemnity + Medical)						
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2012	147,582,726	294,241,035	338,206,105	351,570,072	358,957,120	2012	161,521,892	250,107,989	260,701,816	264,258,217	265,085,185	2012	309,104,618	544,349,024	598,907,921	615,828,289	624,042,305
2013	146,525,047	282,662,328	326,885,651	338,785,854	345,798,248	2013	146,978,804	222,594,306	233,644,668	238,508,167	238,444,638	2013	293,503,851	505,256,634	560,530,319	577,294,021	584,242,886
2014	141,936,375	284,629,545	319,538,687	330,636,733	338,631,169	2014	144,334,507	232,076,170	236,866,360	239,020,223	238,731,088	2014	286,270,882	516,705,715	556,405,047	569,656,956	577,362,257
2015	148,875,576	290,643,702	322,349,340	339,246,180	343,427,425	2015	141,369,461	213,868,372	213,034,623	217,819,375	216,318,545	2015	290,245,037	504,512,074	535,383,963	557,065,555	559,745,970
2016	142,469,433	266,098,466	302,754,939	315,888,423	318,481,692	2016	129,262,769	182,774,242	187,411,436	187,778,794	185,892,331	2016	271,732,202	448,872,708	490,166,375	503,667,217	504,374,023
2017	146,848,929	284,040,637	312,636,228	318,358,420	321,173,961	2017	136,293,585	201,225,583	200,264,353	198,598,716	195,702,995	2017	283,142,514	485,266,220	512,900,581	516,957,136	516,876,956
2018	145,707,877	295,404,402	325,430,623	336,093,752		2018	141,001,071	202,011,593	205,815,263	203,733,747		2018	286,708,948	497,415,995	531,245,886	539,827,499	
2019	144,198,694	258,722,866	287,093,513			2019	142,453,369	181,110,371	174,692,679			2019	286,652,063	439,833,237	461,786,192		
2020	134,506,435	237,655,374				2020	124,703,599	171,050,234				2020	259,210,034	408,705,608			
2021	131,701,342					2021	118,431,725					2021	250,133,067				

Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th
2012	1.994	1.149	1.040	1.021	2012	1.548	1.042	1.014	1.003	2012	1.761	1.100	1.028	1.013
2013	1.929	1.156	1.036	1.021	2013	1.514	1.050	1.021	1.000	2013	1.721	1.109	1.030	1.012
2014	2.005	1.123	1.035	1.024	2014	1.608	1.021	1.009	0.999	2014	1.805	1.077	1.024	1.014
2015	1.952	1.109	1.052	1.012	2015	1.513	0.996	1.022	0.993	2015	1.738	1.061	1.040	1.005
2016	1.868	1.138	1.043	1.008	2016	1.414	1.025	1.002	0.990	2016	1.652	1.092	1.028	1.001
2017	1.934	1.101	1.018	1.009	2017	1.476	0.995	0.992	0.985	2017	1.714	1.057	1.008	1.000
2018	2.027	1.102	1.033		2018	1.433	1.019	0.990		2018	1.735	1.068	1.016	
2019	1.794	1.110			2019	1.271	0.965			2019	1.534	1.050		
2020	1.767				2020	1.372				2020	1.577			
5-yr Avg	1.878	1.112	1.036	1.015	5-yr Avg	1.393	1.000	1.003	0.993	5-yr Avg	1.642	1.066	1.023	1.006

Injury Type: Temporary Total

Indemnity					Medical					Combined (Indemnity + Medical)							
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2012	158,160,802	137,875,002	146,083,111	147,876,005	149,619,749	2012	200,908,694	135,870,692	132,003,644	123,291,274	122,228,087	2012	359,069,496	273,745,694	278,086,755	271,167,279	271,847,836
2013	174,493,383	155,236,401	156,701,911	161,354,316	163,804,640	2013	208,792,965	141,046,582	132,345,852	127,708,474	127,312,820	2013	383,286,348	296,282,983	289,047,763	289,062,790	291,117,460
2014	169,739,923	145,077,796	150,856,408	157,052,979	157,079,979	2014	214,241,643	126,471,007	118,563,857	118,529,791	114,469,122	2014	383,981,566	271,548,803	269,420,265	275,582,770	271,549,101
2015	173,633,641	142,320,887	154,159,351	155,077,077	158,736,783	2015	201,343,916	123,788,001	124,016,319	113,471,112	115,226,267	2015	374,977,557	266,108,888	278,175,670	268,548,189	273,963,050
2016	168,489,795	152,331,002	155,186,104	158,485,489	162,154,797	2016	187,103,992	122,598,863	113,662,636	115,512,725	115,725,475	2016	355,593,787	274,929,865	268,848,740	273,998,214	277,880,272
2017	178,565,289	150,602,876	162,171,852	170,287,496	174,981,612	2017	192,215,344	115,668,346	115,498,591	116,309,640	118,534,985	2017	370,780,633	266,271,222	277,670,443	286,597,136	293,516,597
2018	200,441,652	174,674,065	189,269,697	195,418,590		2018	206,522,454	135,396,315	135,072,315	137,573,413		2018	406,964,106	310,070,380	324,342,012	332,992,003	
2019	196,527,329	199,687,819	217,043,164			2019	195,789,679	144,047,458	148,561,458			2019	392,317,008	343,735,277	365,604,622		
2020	209,215,414	224,584,792				2020	210,114,087	158,031,274				2020	419,329,501	382,616,066			
2021	237,896,967					2021	246,011,422					2021	483,908,389				

Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th
2012	0.872	1.060	1.012	1.012	2012	0.676	0.972	0.934	0.991	2012	0.762	1.016	0.975	1.003
2013	0.890	1.009	1.030	1.015	2013	0.676	0.938	0.965	0.997	2013	0.773	0.976	1.000	1.007
2014	0.855	1.040	1.041	1.000	2014	0.590	0.937	1.000	0.966	2014	0.707	0.992	1.023	0.985
2015	0.820	1.083	1.006	1.024	2015	0.615	1.002	0.915	1.015	2015	0.710	1.045	0.965	1.020
2016	0.904	1.019	1.021	1.023	2016	0.655	0.927	1.016	1.002	2016	0.773	0.978	1.019	1.014
2017	0.843	1.077	1.050	1.028	2017	0.602	0.999	1.007	1.019	2017	0.718	1.043	1.032	1.024
2018	0.871	1.084	1.032		2018	0.656	0.998	1.019		2018	0.762	1.046	1.027	
2019	1.016	1.087			2019	0.736	1.031			2019	0.876	1.064		
2020	1.073				2020	0.752				2020	0.912			
5-yr Avg	0.941	1.070	1.030	1.018	5-yr Avg	0.680	0.991	0.991	1.000	5-yr Avg	0.808	1.035	1.013	1.010

NORTH CAROLINA

WORKERS COMPENSATION STATISTICAL PLAN DATA

Injury Type: Medical Only

Indemnity						Medical					Combined (Indemnity + Medical)						
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2012	0	0	0	0	0	2012	55,538,656	53,646,946	53,035,018	53,137,259	52,833,919	2012	55,538,656	53,646,946	53,035,018	53,137,259	52,833,919
2013	0	0	0	0	0	2013	55,242,649	52,688,735	51,957,250	51,618,371	51,549,202	2013	55,242,649	52,688,735	51,957,250	51,618,371	51,549,202
2014	0	0	0	0	0	2014	54,253,436	50,830,869	50,233,536	49,856,642	49,812,451	2014	54,253,436	50,830,869	50,233,536	49,856,642	49,812,451
2015	0	0	0	0	0	2015	51,284,854	48,548,202	48,011,160	48,019,466	48,064,615	2015	51,284,854	48,548,202	48,011,160	48,019,466	48,064,615
2016	0	0	0	0	0	2016	52,231,327	49,370,924	49,349,011	49,009,838	49,137,860	2016	52,231,327	49,370,924	49,349,011	49,009,838	49,137,860
2017	0	0	0	0	0	2017	53,433,093	50,831,123	50,491,309	50,545,998	50,872,543	2017	53,433,093	50,831,123	50,491,309	50,545,998	50,872,543
2018	0	0	0	0	0	2018	57,207,728	53,137,905	52,811,845	53,043,200		2018	57,207,728	53,137,905	52,811,845	53,043,200	
2019	0	0	0			2019	49,569,618	47,409,679	46,854,014			2019	49,569,618	47,409,679	46,854,014		
2020	0	0				2020	48,344,237	45,869,192				2020	48,344,237	45,869,192			
2021	0					2021	53,245,917					2021	53,245,917				

Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th
2012	-	-	-	-	2012	0.966	0.989	1.002	0.994	2012	0.966	0.989	1.002	0.994
2013	-	-	-	-	2013	0.954	0.986	0.993	0.999	2013	0.954	0.986	0.993	0.999
2014	-	-	-	-	2014	0.937	0.988	0.992	0.999	2014	0.937	0.988	0.992	0.999
2015	-	-	-	-	2015	0.947	0.989	1.000	1.001	2015	0.947	0.989	1.000	1.001
2016	-	-	-	-	2016	0.945	1.000	0.993	1.003	2016	0.945	1.000	0.993	1.003
2017	-	-	-	-	2017	0.951	0.993	1.001	1.006	2017	0.951	0.993	1.001	1.006
2018	-	-	-	-	2018	0.929	0.994	1.004		2018	0.929	0.994	1.004	
2019	-	-	-	-	2019	0.956	0.988			2019	0.956	0.988		
2020	-	-	-	-	2020	0.949				2020	0.949			
5-yr Avg	-	-	-	-	5-yr Avg	0.946	0.993	0.998	1.002	5-yr Avg	0.946	0.993	0.998	1.002

Injury Type: Total - All Injury Types

Indemnity						Medical					Combined (Indemnity + Medical)						
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2012	317,802,627	447,485,924	501,132,898	519,459,631	530,180,471	2012	454,981,784	477,120,438	483,394,659	483,215,416	485,791,018	2012	772,784,411	924,606,362	984,527,557	1,002,675,047	1,015,971,489
2013	329,420,408	449,205,891	496,554,859	513,303,842	522,904,163	2013	428,383,341	435,212,696	434,530,251	434,124,343	430,238,832	2013	757,803,749	884,418,587	931,085,110	947,428,185	953,142,995
2014	324,825,407	447,956,070	491,026,764	509,362,397	519,981,155	2014	417,995,218	424,038,491	420,541,401	419,172,464	417,452,943	2014	742,820,625	871,994,561	911,568,165	928,534,861	937,434,098
2015	340,272,646	453,028,729	497,952,658	517,461,432	526,099,477	2015	403,662,066	400,449,794	402,875,070	401,524,715	399,794,083	2015	743,934,712	853,478,523	900,827,728	918,986,147	925,893,560
2016	329,513,126	441,416,147	484,210,729	501,069,762	507,876,501	2016	385,644,215	393,187,139	390,146,203	394,027,184	392,429,009	2016	715,157,341	834,603,286	874,356,932	895,096,946	900,305,510
2017	344,275,349	458,341,102	499,171,140	513,076,213	521,389,335	2017	406,962,636	399,386,728	389,420,517	386,107,676	384,700,636	2017	751,237,985	857,727,830	888,591,657	899,183,889	906,089,971
2018	367,804,169	492,503,291	543,383,293	557,905,779		2018	436,562,737	426,119,796	422,166,984	421,589,827		2018	804,366,906	918,623,087	965,550,277	979,495,606	
2019	364,382,235	488,476,130	539,589,070			2019	426,876,506	453,302,663	461,001,552			2019	791,258,741	941,778,793	1,000,590,622		
2020	367,143,346	489,155,647				2020	422,278,365	425,693,238				2020	789,421,711	914,848,885			
2021	397,793,275					2021	462,105,373					2021	859,898,648				

Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th
2012	1.408	1.120	1.037	1.021	2012	1.049	1.013	1.000	1.005	2012	1.196	1.065	1.018	1.013
2013	1.364	1.105	1.034	1.019	2013	1.016	0.998	0.999	0.991	2013	1.167	1.053	1.018	1.006
2014	1.379	1.096	1.037	1.021	2014	1.014	0.992	0.997	0.996	2014	1.174	1.045	1.019	1.010
2015	1.331	1.099	1.039	1.017	2015	0.992	1.006	0.997	0.996	2015	1.147	1.055	1.020	1.008
2016	1.340	1.097	1.035	1.014	2016	1.020	0.992	1.010	0.996	2016	1.167	1.048	1.024	1.006
2017	1.331	1.089	1.028	1.016	2017	0.981	0.975	0.991	0.996	2017	1.142	1.036	1.012	1.008
2018	1.339	1.103	1.027		2018	0.976	0.991	0.999		2018	1.142	1.051	1.014	
2019	1.341	1.105			2019	1.062	1.017			2019	1.190	1.062		
2020	1.332				2020	1.008				2020	1.159			
5-yr Avg	1.337	1.099	1.033	1.017	5-yr Avg	1.009	0.996	0.999	0.995	5-yr Avg	1.160	1.050	1.018	1.008

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Item

- 3(e) The filer shall provide for each of the loss amounts in Sub-item (3)(d) of this Rule the corresponding incurred claim counts and for each of the policy years in Sub-item (3)(d) of this Rule the aggregate earned exposures. Where small claims are reported in bulk, the filer shall provide such information as accurately as possible, given the imprecision inherent in such aggregate data.

Response

See attached Exhibit 3(e).

NORTH CAROLINA**WORKERS COMPENSATION STATISTICAL PLAN DATA****Aggregate Earned Exposures By Policy Year**

<u>Policy Year</u>	<u>Payroll</u>	<u>Std Earned Premium</u>
2012	114,302,873,692	2,041,179,622
2013	120,224,479,047	2,171,523,712
2014	127,995,883,884	2,302,662,715
2015	136,497,184,053	2,436,011,993
2016	143,519,834,141	2,380,168,020
2017	152,041,538,029	2,268,627,374
2018	161,331,234,464	2,170,676,361
2019	171,912,491,015	2,001,887,228
2020	181,506,168,731	1,850,608,600
2021	205,955,432,017	1,947,857,345

Incurred Claim Counts By Injury Type**Fatal**

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2012	46	48	47	50	51
2013	34	38	38	38	38
2014	55	56	59	60	60
2015	66	69	70	71	71
2016	67	70	71	73	73
2017	68	75	78	78	78
2018	52	59	60	60	
2019	65	69	68		
2020	63	68			
2021	71				

Permanent Total

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2012	11	14	16	25	29
2013	8	10	13	17	18
2014	5	22	30	32	35
2015	13	22	26	32	34
2016	18	29	37	37	37
2017	19	20	21	21	22
2018	25	30	32	32	
2019	19	22	26		
2020	12	16			
2021	12				

Permanent Partial

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2012	5,989	8,793	9,093	9,145	9,172
2013	5,998	8,720	9,069	9,146	9,142
2014	5,944	8,864	9,126	9,180	9,227
2015	5,919	8,848	9,015	9,117	9,134
2016	5,754	8,292	8,598	8,655	8,654
2017	5,599	8,350	8,556	8,529	8,513
2018	5,659	8,372	8,463	8,470	
2019	5,292	7,067	7,107		
2020	4,641	6,244			
2021	4,438				

Temporary Total

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2012	10,782	8,639	8,466	8,428	8,417
2013	10,935	8,812	8,599	8,538	8,556
2014	11,057	8,743	8,579	8,559	8,520
2015	11,196	8,882	8,804	8,711	8,709
2016	11,348	9,347	9,171	9,172	9,149
2017	11,817	9,621	9,560	9,568	9,594
2018	12,130	10,014	9,981	9,978	
2019	11,351	10,084	10,122		
2020	11,962	10,882			
2021	12,879				

Medical Only

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2012	56,177	56,548	56,603	56,610	56,600
2013	54,537	54,845	54,918	54,890	54,940
2014	54,537	55,074	55,148	55,176	55,196
2015	55,109	55,728	55,868	55,908	55,906
2016	55,370	55,777	55,832	55,803	55,841
2017	55,531	55,887	55,848	55,894	55,880
2018	55,051	55,380	55,488	55,516	
2019	49,055	49,405	49,514		
2020	43,772	44,142			
2021	47,175				

Total - All Injury Types

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2012	73,005	74,042	74,225	74,258	74,269
2013	71,512	72,425	72,637	72,629	72,694
2014	71,598	72,759	72,942	73,007	73,038
2015	72,303	73,549	73,783	73,839	73,854
2016	72,557	73,515	73,709	73,740	73,754
2017	73,034	73,953	74,063	74,090	74,087
2018	72,917	73,855	74,024	74,056	
2019	65,782	66,647	66,837		
2020	60,450	61,352			
2021	64,575				

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Item

- 3(f) The filer shall provide for each of the policy periods in Sub-items (3)(b) and (3)(d) of this Rule the law amendment factors for adjusting past losses to current benefit levels.

Response

See attached Exhibit 3(f).

North Carolina

Amendment Factors Adjusting Losses to the March 9, 2024 Benefit Level

<u>Policy Period</u>	<u>Fatal</u>	<u>Permanent Total</u>	<u>Permanent Partial</u>	<u>Temporary Total</u>	<u>Indemnity</u>	<u>Medical</u>	<u>Overall</u>
1/21 - 12/21	1.000	1.000	1.000	1.000	1.000	1.013	1.006
1/20 - 12/20	1.000	1.000	1.000	1.000	1.000	1.024	1.011
1/19 - 12/19	1.000	1.000	1.000	1.000	1.000	1.036	1.017
1/18 - 12/18	1.000	1.000	1.000	1.000	1.000	1.046	1.021
1/17 - 12/17	1.000	1.000	1.000	1.000	1.000	1.057	1.025
1/16 - 12/16	1.000	1.000	1.000	1.000	1.000	1.060	1.026
1/15 - 12/15	1.000	1.000	1.000	1.000	1.000	1.060	1.025
1/14 - 12/14	1.000	1.000	1.000	1.000	1.000	1.032	1.013
1/13 - 12/13	1.000	1.000	1.000	1.000	1.000	1.012	1.004
1/12 - 12/12	1.000	1.000	1.000	1.000	1.000	0.998	0.996

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Item

- 3(g) The filer shall include a description of the reasons for the difference between the policy year data provided in response to Sub-items (3)(b) and (3)(c) of this Rule and those provided in response to Sub-items (3)(d) and (3)(e) of this Rule.

Response

Listed below are several reasons for the difference between the policy year data from the financial calls provided in response to Items (3)(b) and (3)(c) and the Workers Compensation Statistical Plan (WCSP) data provided in response to Items (3)(d) and (3)(e).

Evaluation Dates:

All policies included in the financial data are evaluated as of December 31 of each year, regardless of the actual effective dates of the individual policies whose combined experience is being reported. Therefore, for a given year, the reported financial data is comprised of individual policy experience at differing maturity levels.

Each policy reported in the workers compensation statistical plan is at a date corresponding to its own expiration date—six months after expiration, 18 months, etc. This means that a policy effective on January 1 of a given year would first be evaluated at July 1 of the next year; and a policy effective on October 1 of that year would be first evaluated as of April 1 of the year following its expiration.

Matching companies:

The set of companies that may be missing for a given set of matching financial reports is not necessarily identical to individual matching units that may be missing. In each case, the maximum amount of data possible is retained for the calculation of development factors.

Validation and edit criteria:

The validation and edit criteria used on the financial calls is not necessarily identical to that used on the WCSP data. In each case, the validation and edit criteria used are designed to ensure the highest possible degree of data quality.

Pension reserve discounting:

These reserves are required to be discounted at 3.5% in the WCSP data but do not have to be discounted at this rate in the financial data.

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Item

- 4 Trending factor development and application
- 4(a) The filer shall provide all information related to the derivation of all trend factors contained in the filing including the following:
- (i) A description of all data reviewed;
 - (ii) A complete description of the methodology used to derive these factors;
 - (iii) A description of alternative methodologies used in the last three years;
 - (iv) A description of the criteria used to select a methodology;
 - (v) Specific details on the application of these criteria in the selection of a methodology for this filing;
 - (vi) Details on the application of the methodology to this filing.

Response

- 4(a) (i) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).
- (ii) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).
- (iii) The trend factors used in the filing were judgmentally selected based on a collective review of the results of various trend indications and other considerations. The trend factors used in the previous three filings were similarly judgmentally selected based on a review of various trends and other considerations, though the trends displayed varied. See also the response to 11 NCAC 10.1111(2).
- (iv) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).
- (v) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).
- (vi) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).

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Item

4(b) The filer shall calculate the following trend factors:

- (i) Indemnity and medical trend factors based on the latest eight available policy years and accident years of North Carolina paid and paid plus case data;
- (ii) Indemnity and medical trend factors based on the latest eight available policy years and accident years of multi-state paid and paid plus case data.

Response

- (i) See Exhibit RB-1, Appendix A-III of the filing for the selected policy year paid and paid plus case trend factors. Please note that due to the nature of the financial calls, accident year trend factors based on eight years of data are not available.

Annual trends based on exponential curves fit to the latest available eight policy years of paid loss ratio data are 0.958 (-4.2%) and 0.948 (-5.2%) for indemnity and medical, respectively.

Annual trends based on exponential curves fit to the latest available eight policy years of paid plus case loss ratio data are 0.957 (-4.3%) and 0.952 (-4.8%) for indemnity and medical, respectively.

- (ii) Multi-state trend factors based on the latest eight policy years and accident years of paid and paid + case data are not readily available. See attached Exhibit 4(b), which contains the available trend factors based on multi-state data. The multi-state trend factors are computed as premium-weighted averages of the annual trend factors filed in the specified jurisdictions. As seen in Exhibit 4(b), the average indemnity trend factor is 0.961 (-3.9%), while the average medical trend factor is 0.955 (-4.5%).

NATIONAL COUNCIL ON COMPENSATION INSURANCE, INC.
FILED ANNUAL LOSS RATIO TRENDS
BASED ON FILINGS MADE DURING THE 2023/2024 FILING SEASON

<u>State</u>	<u>Indemnity</u>	<u>Medical</u>
ALABAMA	0.960	0.965
ALASKA	0.940	0.950
ARIZONA	0.950	0.950
ARKANSAS	0.955	0.955
COLORADO	0.955	0.950
CONNECTICUT	0.965	0.940
DISTRICT OF COLUMBIA	0.965	0.955
FLORIDA	0.970	0.960
GEORGIA	0.940	0.940
HAWAII	1.000	1.000
IDAHO	0.965	0.950
ILLINOIS	0.975	0.965
INDIANA	0.965	0.970
IOWA	0.955	0.970
KANSAS	0.965	0.960
KENTUCKY	0.970	0.950
LOUISIANA	0.955	0.965
MAINE	0.950	0.960
MARYLAND	0.955	0.945
MISSISSIPPI	0.955	0.945
MISSOURI	0.975	0.975
MONTANA	0.965	0.950
NEBRASKA	0.965	0.955
NEVADA	0.970	0.955
NEW HAMPSHIRE	0.955	0.955
NEW MEXICO	0.960	0.945
OKLAHOMA	0.970	0.965
OREGON	0.975	0.960
RHODE ISLAND	0.965	0.945
SOUTH CAROLINA	0.955	0.955
SOUTH DAKOTA	0.965	0.970
TENNESSEE	0.950	0.940
TEXAS	0.945	0.920
UTAH	0.950	0.950
VERMONT *	0.975	0.970
VIRGINIA	0.955	0.975
<u>WEST VIRGINIA</u>	<u>0.935</u>	<u>0.940</u>
All States Average	0.961	0.955

* Vermont did not have a filing during the 2023/2024 filing season, so the prior approved trends from the 2022/2023 season are shown.

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Item

- 5 Changes in premium base and exposures. The filer shall provide or estimate the following information on exposure trends:
- (a) The statewide average weekly wage for the latest five available calendar years;
 - (b) The statewide average weekly wage for the latest ten available policy years without the application of a payroll limitation;
 - (c) The statewide average weekly wage for the latest ten available policy years after the application of a payroll limitation; and
 - (d) The estimated statewide average weekly wage for the calendar and policy years during which the rates will be in effect.

Response

See attached Exhibit 5.

In addition to the traditional growth in the statewide average weekly wage (AWW) that may be expected to occur each year, the observed 2019-to-2020 and 2020-to-2021 AWW changes were also impacted by COVID-19-related shifts in employment across industry sectors. While a change in industry-sector mix occurs to a small degree each year, its impact on the 2020 and 2021 AWW changes was unusually large, due to pandemic related job losses in relatively low wage industries. Therefore, the 2020 and 2021 AWW values continue to be adjusted to exclude the estimated impact of the pandemic-related industry sector mix change. These adjustments are reflected in Exhibit 5, and in the frequency and severity values shown in Appendix A-III of the loss cost filing. The impact of industry-sector mix changes on the 2022 AWW change was less atypical than what was observed in 2020 and 2021. As such, the 2022 and subsequent AWW values have not been modified to exclude the impact of industry-sector mix changes.

Since there have been no payroll limitations in North Carolina in the past ten years, the response to (b) and (c) will be the same.

The policy year data is calculated using a weighted average of the calendar year data.

NORTH CAROLINA

Average Weekly Wages[^]

Calendar Year

2019	1010	
2020	1068	
2021	1140	
2022	1224	
2023	1271	*
2024	1325	*
2025	1377	*
2026	1425	*

Policy Year

2013	852	
2014	878	
2015	901	
2016	923	
2017	957	
2018	991	
2019	1034	
2020	1098	
2021	1174	
2022	1243	*
2023	1293	*
2024	1346	*
2025	1397	*

[^] Based on data received from the Quarterly Census of Employment and Wages.

* Estimated.

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Item

- 6 Limiting factor development and application. The filer shall provide information on the following items:
- (a) Limitations on losses included in the statistical data used in the filing;
 - (b) Limitations on the extent of the rate or loss costs level change;
 - (c) Limitations on the extent of classification rate or loss costs changes; and
 - (d) Any other limitations applied.

Response

- (a) See Exhibit RB-1, Appendix B-I.
- (b) See Exhibits RB-1, RB-3, and RB-5.
- (c) See Exhibit RB-1, Appendix B-III.
- (d) None.

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Item

7 The percent rate or loss costs change:

(a) The filer shall provide the overall statewide rate or loss costs change, as well as the amount of the change attributable to each of the following: loss experience, a modification of the trend factor, law amendments, a change in the loss-based assessment provision, and any other factors.

(b) The filer shall provide the rate or loss costs changes for each industry group and for each classification.

Response

(a) The components of the proposed overall statewide changes are as follows:

Change in loss experience	0.955
Change in trend	0.991
Change in benefits	1.002
Change in loss-based expense provisions	<u>1.000</u>
Overall Statewide Loss Costs change	0.948
Change in the assigned risk loss cost multiplier	<u>1.005</u>
Overall Statewide Assigned Risk Rate change	0.953

(b) See RB-1, Exhibit I and RB-1, Appendix E.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 8 For assigned risk rate filings, the filer shall include support for a reasonable margin for underwriting profit and contingencies and investment income, including realized capital gains.

Response

This item is not applicable to the loss cost filing.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 9 For assigned risk rate filings, the filer shall provide investment earnings on capital and surplus. Given the selected underwriting profit and contingencies provision contained in the filing, the filer shall include the resulting rates of return (including consideration of investment income) on equity capital, on statutory surplus, and on total assets. The filer shall show the derivation of all factors used in producing these calculations and justify the fairness and reasonableness of these rates of return.

Response

This item is not applicable to the loss cost filing.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

10 As required by G.S. 58-36-15, the filer shall:

10(a) Provide information on the following aspects of workers compensation individual risk rating plans, including an explanation of their purpose and a detailed description of their derivation:

(i) For experience rating plans, the table of expected loss rate and discount ratios and the table of weighting and ballast values.

(ii) For retrospective rating plans, the table of insurance charges, multipliers (including the derivation of any assigned risk subsidy), and the table of excess loss factors.

Response

(i) See attached Exhibit 10(a)(i), RB-1, and Exhibit III.

(ii) See attached Exhibit 10(a)(ii) and Exhibit III items RR1-RR2 of the Loss Cost Filing. For the complete Table of Aggregate Loss Factors (formerly Table of Insurance Charges), please refer to the ***Retrospective Rating Plan Manual***. In the Assigned Risk filing, the tax multiplier covers licenses, fees, assessments and taxes that the insurance carrier must pay on its collected premium. For voluntary business, each carrier calculates its own tax multiplier.

Expected Loss Rates, Discount Ratios, and Weighting and Ballast Values

Expected Loss Rates

An expected loss rate (ELR) estimates the average expected loss level of a classification for the experience rating period. An ELR is a statewide rate that gets applied to payroll in hundreds to estimate the expected losses for a risk. These expected losses are compared with the actual losses of a risk during the experience rating period and used in the calculation of the experience modification (the "mod"). This North Carolina filing, proposed effective 4/1/2025, contains ELRs that will be used to estimate losses during the 4/1/2021 to 3/31/2024 time period for experience ratings to be issued between 4/1/2025 and 3/31/2026.

In the experience mod calculation, expected losses and actual losses must be at the same level to enable an "apples to apples" comparison. The actual losses reflect the statewide data during the experience rating period. Since the proposed loss costs are calculated to reflect the average loss levels of the proposed effective rating period, "unwinding" the proposed loss costs to the experience rating period can derive the ELR. This unwinding is accomplished through the application of ELR factors to the proposed underlying pure premiums. These ELR factors remove effects of development, benefit changes, trend, loss-based expenses, experience, assigned risk programs and any other factors that should not be reflected in the expected losses. The resulting total pure premium (after application of the ELR factors) is multiplied by the manual to earned ratio to derive the ELR for each classification.

Attached, immediately following the text of this memorandum, is an exhibit detailing the ELR factor calculation.

Average development, benefits, trend, and loss-based expenses:

The left half of the attached exhibit calculates the factors needed to remove the effects of development to ultimate, benefit changes, trend, etc. from the proposed underlying pure premiums. These factors are weighted with the latest three reports of statistical plan data to adjust the proposed underlying pure premiums by indemnity and medical.

Experience adjustment factor:

The proposed underlying pure premiums reflect the expected experience level for the proposed loss cost effective period. An experience adjustment factor is applied so the ELRs will reflect the expected experience level of the experience rating time period.

ELR composite factor:

The ELR composite factor removes offsets or assigned risk impacts from the proposed underlying pure premiums to bring them to a statewide level. For example, an offset for the change in assigned risk programs would be removed in this step.

Adjustment for Excess Provision and Undeveloped Loss Layer Between Ratemaking Limit and State Accident Limit:

These factors are applied to recognize the fact that limited losses are used in calculating the experience mod, but the underlying pure premiums reflect unlimited losses.

Discount Ratios

In experience rating, losses are divided into primary and excess portions. The discount ratio (D-ratio) represents the average ratio of expected "primary" losses to expected total losses for a classification. The function of the d-ratio is to determine what portion of the expected loss shall enter the experience mod calculation as the primary loss.

Under the Experience Rating Plan, a specific fixed dollar amount (called the "split point") is considered to be the primary portion of any loss that exceeds this amount. For a loss less than or equal to the split point, the entire loss is considered primary. Prior to 4/1/2024, and in accordance with Item filing E-1402, the split point was adjusted for inflation over time. Starting with the 4/1/2024 filing, the split point is a state-specific value that is calculated to reflect an average D-ratio of approximately 0.40. The below table provides historical split point values in North Carolina.

Date	Split Point
Prior to 4/1/13	\$5,000
Effective 4/1/13	\$10,000
Effective 4/1/14	\$13,500
Effective 4/1/15	\$15,500
Effective 4/1/16	\$16,000
Effective 4/1/17	\$16,500
Effective 4/1/18	\$16,500
Effective 4/1/19	\$17,000
Effective 4/1/20	\$17,500
Effective 4/1/21	\$18,000
Effective 4/1/22	\$18,500
Effective 4/1/23	\$18,500
Effective 4/1/24	\$25,000
Effective 4/1/25	\$25,500

D-ratios are calculated by hazard group, and they represent the percentage of each type of loss that is considered primary. These ratios of primary to total losses are based on the latest three years of statistical plan data. A comparison of the resulting D-ratios across hazard groups is done to ensure that the factors monotonically decrease from hazard group A to hazard group G. If they do not, an adjustment is made by averaging the D-ratios over adjacent hazard groups.

The final D-ratio for each hazard group is calculated as follows:

$$\text{D-ratio for each HG} = \text{HG Primary Total Losses} / \text{HG Limited Total Losses}$$

Weighting and Ballast Values

The weighting value (W) and ballast value (B) influence the degree to which an employer's actual losses impact the experience rating modification for employers of various sizes - generally described as excess loss credibility - and are governed by the formulas in Item E-1409.

One element of these formulas is the G-value, which represents the state average claim severity in thousands of dollars and reflects the state accident limitation and the reduction of medical only losses. The state accident limit is used to curtail the impact of large claims on the experience modification and is based on a state-level 95th percentile of lost-time claims so that the limitation is expected to impact the largest 5% of lost-time claims.

The values for W and B are such that larger employers receive higher excess loss credibility in their experience modification calculation than smaller employers.

The ballast value is a stabilizing value designed to control the effect of actual loss experience on the experience rating modification. It is added to both the numerator and denominator in the experience modification calculation and increases as expected losses increase.

The weighting value for various levels of expected losses is provided in the Table of Weighting Values.

The ballast value for various levels of expected losses is provided in the Table of Ballast Values.

ELR FACTOR CALCULATION

NORTH CAROLINA

ERA Experience Rating

Exp Rating 3rd rpt 04/01/21	WCSP 3rd rpt Losses	3:U Devel.*	Ultimate Losses	Amend. Factor	On-Level Losses	Trend Factor (10)^4	Trended Losses
Fatal Likely	342,576	1.124	385,055	1.000	385,055	0.849	326,912
Permanent Total	4,462,529	1.124	5,015,883	1.000	5,015,883	0.849	4,258,485
Permanent Partial Likely	86,355,065	1.124	97,063,093	1.000	97,063,093	0.849	82,406,566
Temporary Total Likely	62,642,829	1.124	70,410,540	1.000	70,410,540	0.849	59,778,548
Likely	153,802,999	1.124	172,874,571	1.000	172,874,571	0.849	146,770,511
Fatal Not Likely	15,425,204	1.061	16,366,141	1.000	16,366,141	0.849	13,894,854
Permanent Partial Not Likely	193,935,530	1.061	205,765,597	1.000	205,765,597	0.849	174,694,992
Temporary Total Not Likely	150,707,391	1.061	159,900,542	1.000	159,900,542	0.849	135,755,560
Not-Likely	360,068,125	1.061	382,032,280	1.000	382,032,280	0.849	324,345,406
Medical Likely	93,345,918	1.006	93,905,994	1.011	94,938,960	0.832	78,989,215
Medical Not Likely	258,234,124	0.998	257,717,656	1.011	260,552,550	0.832	216,779,722
Medical	351,580,042	1.000	351,623,650	1.011	355,491,510	0.832	295,768,937

Exp Rating 2nd rpt 04/01/22	WCSP 2nd rpt Losses	2:U Devel.	Ultimate Losses	Amend. Factor	On-Level Losses	Trend Factor (10)^3	Trended Losses
Fatal Likely	312,975	1.276	399,356	1.000	399,356	0.885	353,430
Permanent Total	2,560,102	1.276	3,266,690	1.000	3,266,690	0.885	2,891,021
Permanent Partial Likely	70,226,900	1.276	89,609,524	1.000	89,609,524	0.885	79,304,429
Temporary Total Likely	63,137,450	1.276	80,563,386	1.000	80,563,386	0.885	71,298,597
Likely	136,237,427	1.276	173,838,956	1.000	173,838,956	0.885	153,847,477
Fatal Not Likely	17,259,083	1.138	19,640,836	1.000	19,640,836	0.885	17,382,140
Permanent Partial Not Likely	164,689,989	1.138	187,417,207	1.000	187,417,207	0.885	165,864,228
Temporary Total Not Likely	158,046,463	1.138	179,856,875	1.000	179,856,875	0.885	159,173,334
Not Likely	339,995,535	1.138	386,914,918	1.000	386,914,918	0.885	342,419,702
Medical Likely	88,658,886	0.993	88,038,274	1.005	88,478,465	0.871	77,064,743
Medical Not Likely	262,027,781	0.987	258,621,420	1.005	259,914,527	0.871	226,385,553
Medical	350,686,667	0.989	346,659,694	1.005	348,392,992	0.871	303,450,296

Exp Rating 1st rpt 04/01/23	WCSP 1st rpt Losses	1:U Devel.	Ultimate Losses	Amend. Factor	On-Level Losses	Trend Factor (10)^2	Trended Losses
Fatal Likely	0	1.957	0	1.000	0	0.922	0
Permanent Total	1,050,109	1.957	2,055,063	1.000	2,055,063	0.922	1,894,768
Permanent Partial Likely	29,734,562	1.957	58,190,538	1.000	58,190,538	0.922	53,651,676
Temporary Total Likely	65,264,441	1.957	127,722,511	1.000	127,722,511	0.922	117,760,155
Likely	96,049,112	1.957	187,968,112	1.000	187,968,112	0.922	173,306,599
Fatal Not Likely	21,038,269	1.438	30,253,031	1.000	30,253,031	0.922	27,893,295
Permanent Partial Not Likely	99,795,658	1.438	143,506,156	1.000	143,506,156	0.922	132,312,676
Temporary Total Not Likely	168,606,475	1.438	242,456,111	1.000	242,456,111	0.922	223,544,534
Not Likely	289,440,402	1.438	416,215,298	1.000	416,215,298	0.922	383,750,505
Medical Likely	96,440,329	0.988	95,283,045	1.002	95,473,611	0.912	87,071,933
Medical Not Likely	286,099,137	0.953	272,652,478	1.002	273,197,783	0.912	249,156,378
Medical	382,539,466	0.962	367,935,523	1.002	368,671,394	0.912	336,228,311

Injury Type	Development	x Benefit	x Trend	x(LBP)	= Total	Reciprocal
Indemnity	1.250	1.000	0.886	1.200	1.329	0.752
Medical	0.983	1.006	0.872	1.200	1.035	0.966
Total	1.132	1.002	0.881	1.200	1.199	0.834

* Development factor limited at \$500,000.

04/01/25

1st Report WCSP Start: Jan-21
1st Report WCSP End: Dec-21

	Indemnity	Medical
1.) Reciprocal Weighted Averages	0.752	0.966
ERA Medical Adjustment Factor		0.892
Final Weighted Averages	0.752	0.862

	Overall
2.) (a) WCSP Experience Change	1.179
(1) WCSP Experience Change	1.179
(2) Adjustment to Target Off-Balance(Mult.)	1.000

(b) Financial Data Experience Change	0.955
(c) Experience Adj. Factor a)/(b)	1.235

3.) ELR Composite Factor (1)x(2)	1.000
(1) Adjustment Factor Unlikely to Appear	1.0000
(2) Change in MPM and Other Adjustments (Mult.)	1.000

	Indemnity	Medical
4.) Avg. RERP/GERT ELR Factor	0.929	1.193
Avg. ERA ELR Factor	0.929	1.065
[(1)x(2c)/(3)]		

5.) Adjustment for Excess Provision and Undeveloped Loss Layer Between Ratemaking Limit and SAL	HG A	HG B	HG C	HG D	HG E	HG F	HG G
Indemnity & Medical Combined	0.836	0.796	0.743	0.714	0.635	0.585	0.535

6.) Adjustments (a)x(b)	1.000	1.000	1.000	1.000	1.000	1.000	1.000
(a) ERA Adj.	1.000	1.000	1.000	1.000	1.000	1.000	1.000
(b) Flat Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000

7.) Individual Risk Rating Group Adjustment Factors							
(a) Indemnity Adj. Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000
(b) Medical Adj. Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000

8.) ELR Factors							
ERA							
Indemnity [(4 Ind)x(5)x(6)x(7)]	0.777	0.739	0.690	0.663	0.590	0.543	0.497
Medical [(4 Med)x(5)x(6)x(7)]	0.890	0.848	0.791	0.760	0.676	0.623	0.570

9.) LAE & Assessment							
Loss Adj. Expense	1.200						
Indemnity Assessment	1.00000						
Medical Assessment	1.00000						
Overall Assessment	1.00000						

10.) Financial Data Annual Trend							
Indemnity	0.960						
Medical	0.955						

Table of Aggregate Loss Factors (Formerly the Table of Insurance Charges)

What is the Table of Aggregate Loss Factors?

Items R-1414 and R-1414-A introduce the Table of Aggregate Loss Factors, which replaced the Table of Insurance Charges, effective January 1st, 2019. This table is the source of the "aggregate excess loss factors" and "aggregate minimum loss factors," formerly known as "insurance charges and savings," used in the retrospective rating plans.

On a voluntary basis, the policyholder is hoping to reap the benefit of good experience at the risk of bearing the costs of possible bad experience within the limits of the plan. A retrospective rating plan responds to policyholder's loss experience by adjusting the final premium on the basis of this experience, subject to certain restrictions agreed upon in the policy at issuance. One important restriction is the limitation of the final premium to a maximum amount. When the policyholder chooses a maximum premium, the insurance company will then use an estimated average cost for the expected dollars above this maximum.

This type of limitation makes it possible for a policyholder to purchase a retrospectively rated policy, even if the policyholder cannot afford to pay for extremely adverse experience. The Table of Aggregate Loss Factors tabulates these average costs.

Many retrospectively rated plans also have a minimum premium set above the costs of servicing the policy. In this case, there will be an average credit in the premium of the insured because some policyholders will have losses below the minimum, resulting in a net savings to the insurer. This savings is distributed equitably to all plan participants. In addition to being the source of the aggregate excess loss factors, the Table is also the source of determining the aggregate minimum loss factors. An aggregate minimum loss factor is used to adjust the retrospective premium to account for the possibility that the premium will be capped at the minimum amount. It is common for a retrospectively rated policy to include both a maximum and a minimum premium amount, in which case a net aggregate loss factor is determined.

On average, it is expected that the losses paid by the policyholder plus the premium generated from the aggregate excess loss factor will sum to total expected losses. Although this may not always work perfectly due to the variability of actual losses for an individual insured, across a large portfolio of insureds, the expected retrospective premium equals guaranteed cost premium. This is called a balanced plan.

Why do we need aggregate excess loss factors?

Essentially, this question has to be answered in two steps:

- a) There is a need for retrospectively rated policies in the insurance marketplace.
- b) Although the policyholder may wish to pay his/her own losses within limits, he/she may not have the financial reserves to retain unlimited loss potential.

The first point is discussed in many places in the standard insurance literature. Some policyholders simply would like to pay for their own costs to the greatest extent possible without relying on industry rates. Others have a more specific reason—such as a belief that their safety program will produce superior results.

Few corporate entities are strong enough to retain unlimited exposure to loss. Even large insurance companies buy reinsurance to further spread the risk. Limiting the loss ratio in a retrospectively rated policy, and accounting for the cost of this limitation with an aggregate excess loss factor, is analogous to a reinsurance premium.

How is the Table of Aggregate Loss Factors structured?

To use the Table, one must know the Expected Claim Count Group assignment of a policyholder and the entry ratio for the subject retrospective rating plan.

Because of the law of large numbers, the variance in results tends to decrease with increasing premium size. Since aggregate excess loss factors measure the amount of loss above certain loss ratios, it follows that for any fixed maximum loss ratio, decreasing variance leads to decreasing aggregate loss factors for larger policyholders. The Table is therefore indexed by Expected Claim Count Groups, determined by expected number of claims for the policyholder (expected losses divided by the average cost per case).

The Table of Aggregate Loss Factors also needs an index determined by the loss ratio at which one wishes to measure the aggregate excess loss factor. If one used the actual loss ratio as the index, the Table would be valid for only one expected loss ratio. To eliminate the need to create a Table of Aggregate Loss Factors for each expected loss ratio, the entry ratio (the particular loss ratio divided by the expected loss ratio) concept is used. An entry ratio of 1.0 corresponds to the expected loss ratio. The entry ratios published in the Table of Aggregate Loss Factors range from 0.0 to 10.0, and are shown in increments of 0.01.

The loss limit is an optional premium element that limits the amount that a single claim can impact the final retrospective premium for the policy. For a given claim, the percentage of losses that are expected to exceed the loss limit divided by the total expected loss for the policy is measured by an excess loss ratio, or excess ratio. For low loss limits, excess ratios are higher and for high loss limits, excess ratios are lower. The Table of Aggregate Loss Factors is divided into 18 separate Sub-tables, each corresponding to a given Policy Excess Ratio Range. Because applying a loss limitation decreases the variance of the (limited) loss ratio for the policy, the aggregate excess loss factors are lower for Sub-tables corresponding to higher Policy Excess Ratio Ranges. Both the Policy Excess Ratio Range and the Expected Claim Count Group ranges are lookup tables found in Appendix A of NCCI's Retrospective Rating Plan Manual.

By using the two lookup tables, the Table of Aggregate Loss Factors automatically accounts for inflation in claim sizes over time. The Expected Claim Count Group is determined by the user by calculating the expected losses for the insured and dividing by the average cost per case. The average cost per case also underlies the calculation of the policy excess ratio, and its values are updated annually. These annual updates help keep the Retrospective Rating Plan in balance, allowing the Table of Aggregate Loss Factors to remain relevant over time, even if the average claim size is changing.

North Carolina

Calculation of State and Federal Tax Multipliers Effective April 1, 2025

	Assigned Risk
A. Proposed overall state loss assessments	1.0000
B. Proposed state premium taxes and assessments	
1. Premium Tax	0.0259
2. Miscellaneous Tax	0.0000
C. Total of proposed state premium taxes and assessments	0.0259
D. Proposed target cost ratio	0.749
E. Loss adjustment expense provision	1.200
F. State permissible loss ratio = $[(D) / ((A)+(E)-1.000)]$	0.624
G. Expense and Profit, excluding taxes and assessments = $1-(C)-(F)$	0.350
H. State tax multiplier = $[(G)+(A)x(F)] / [(F)+(G)] \times [1 / (1-(C))]$	1.027
I. Proposed overall federal assessment	1.045
J. State weight ^	0.250
K. Federal weight ^	0.750
L. Weighted federal assessment = $((A)x(J)) + ((I)x(K))$	1.034
M. Federal permissible loss ratio = $[(D) / ((E)+(L)-1.000)]$	0.607
N. Federal tax multiplier = $[(G)+(L)x(M)] / [(G)+(M)] \times [1 / (1-(C))]$	1.049

^ From F-class summary data.

Excess Loss Factors

At the onset of a policy, the insurer and the insured may agree that the final premium paid by the insured can be a function of not only the payroll, but also of the actual losses during the coverage period. An arrangement of this sort is formalized in the Retrospective Rating Plan as approved in most states. Ultimate premium is based on actual losses, expenses and a net aggregate loss factor to compensate for the application of maximum and minimum aggregate amounts.

For most insureds, the maximum premium can be a burdensome amount, but an amount they are reasonably confident they will not have to pay. However, there remains a fear that a single disastrous accident may cause enough loss by itself to result in the maximum premium being charged. Because of this, the insured may select a "loss limit" or cap on individual losses that enter the retrospective premium formula.

Charges for excess coverage can be calculated using excess loss factors (ELFs). These vary by the state and hazard group assignment of the insured as well as the selected loss limit. The excess coverage is on a per occurrence basis. Therefore, the portion of the loss in excess of the loss limit due to a single occurrence (possibly multiple-claim) is excluded from the calculation of the retrospective premium.

The ELF for a given loss limit can be applied to standard premium to generate the pure loss charge for the coverage. The tax multiplier is applied to the final retrospective premium to compensate for taxes, loss assessments and other miscellaneous items.

The distribution of losses in excess of the selected loss limit (i.e., the excess ratios) is central to the ELF calculation. These distributions vary by hazard group, injury type, and by the state's applicable benefit structure. In particular, North Carolina's benefits are considered "limited" due the existence of a specified duration of time for which benefits are payable.

11 NCAC 10.1111 – WORKERS’ COMPENSATION

Item

- 10(b) Describe all payments made to all consultants (including lawyers, actuaries, and economists) related to this filing and the previous one on workers’ compensation insurance. If payment cannot be specifically identified as related to particular filings, the filer shall estimate them.

Response

September 1, 2023 Loss Cost and Residual Market Rate Filings

National Council on Compensation Insurance, Inc.: NCCI has advised the Rate Bureau that the amounts billed to its affiliates and to the Rate Bureau for actuarial support during 2023 for work specifically related to workers’ compensation insurance loss cost and residual market rate filings total approximately \$449,515.

Young Moore and Henderson, P.A.: The firm has billed the Rate Bureau approximately \$22,838 for fees in connection with the 2023 workers’ compensation insurance loss cost and residual market rate filings.

Milliman, Inc.: The firm has billed the Rate Bureau approximately \$16,723 for services rendered in connection with the 2023 workers’ compensation insurance loss cost and residual market rate filings.

George Zanjani: Dr. Zanjani has billed the Rate Bureau approximately \$8,910 for services rendered in connection with the 2023 workers’ compensation insurance residual market rate filing.

August 30, 2024 Loss Cost and Residual Market Rate Filings

National Council on Compensation Insurance, Inc.: NCCI has advised the Rate Bureau that the amounts billed and to be billed to its affiliates and to the Rate Bureau for actuarial support during 2024 for work specifically related to workers' compensation insurance loss cost and residual market rate filings total approximately \$455,972.

Young Moore and Henderson, P.A.: The firm has billed the Rate Bureau approximately \$4,240 for fees in connection with the 2024 workers' compensation insurance loss cost and residual market rate filings.

Milliman, Inc.: The firm has not yet billed the Rate Bureau for services rendered in connection with the 2024 workers' compensation insurance loss cost and residual market rate filings.

George Zanjani: Dr. Zanjani has billed the Rate Bureau \$760 for services rendered in connection with the 2024 workers' compensation insurance residual market rate filing.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 10(c) Identify and describe all changes in methodologies from the previous North Carolina workers compensation rate filing. If any collected or reported data required by this rule are provided within 30 days after the initial submittal of a filing, that data shall be made a part of the filing, provided the initial submittal acknowledges that it is incomplete and identifies specifically what further data are to be submitted within the time permitted. No filing otherwise complete shall be deemed to be proper until such time that all data required by this Rule have been submitted.

Response

Expected loss rates (ELRs) are a component of the experience mod calculation. NCCI recently undertook a review of certain details of the ELR calculation methodology applied in NC. During this review, NCCI identified a change to a trending component to better-align the time periods of the data used to determine the experience adjustment factor that is applied during the calculation. As a result, the ELRs no longer include the adjustment previously termed WCSP Trend. The ELR calculation is detailed in Exhibit 10(a)(i).

See also Exhibit RB-3 and RB-5.

**PRE-FILED TESTIMONY
OF
JOANNA BILIOURIS**

**NORTH CAROLINA WORKERS COMPENSATION INSURANCE
2024 LOSS COST FILING
BY THE NORTH CAROLINA RATE BUREAU**

- Q. Would you state your full name and business address?
- A. My name is Joanna Biliouris. My business address is 4140 Parklake Ave, Suite 320, Raleigh, North Carolina 27612.
- Q. Are you employed by the North Carolina Rate Bureau ("Bureau")?
- A. Yes. I am the General Manager. Prior to becoming the General Manager in early 2022, I had been employed by the Bureau as Chief Operating Officer since 2015.
- Q. What is the Bureau's function with respect to loss costs for Workers Compensation insurance?
- A. The Bureau promulgates loss costs for Workers Compensation insurance in North Carolina.
- Q. Can you identify Exhibits RB-1 through RB-5 and the 11 NCAC 10.1111 Responses?
- A. Yes. Exhibit RB-1 is a reference filing containing advisory prospective loss costs, the data and calculations underlying those loss costs, and the 11 NCAC 10.1111 Responses. Exhibits RB-2 through RB-5 contain the required accompanying prefiled testimony and exhibits. Together, these materials constitute a filing (the "Filing") that is dated August 30, 2024 submitted by the Bureau to the Honorable Mike Causey, Commissioner of Insurance, with respect to workers compensation insurance loss costs in North Carolina.
- Q. Does the Bureau have actuaries on its staff?
- A. Yes, the Bureau has an actuary on its staff. However, the Bureau continues to obtain actuarial expertise for preparation of the Filing from the Workers Compensation Committee, the National Council on Compensation Insurance, Inc., and Milliman, Inc.
- Q. Does the Filing submitted to the Commissioner include, to the extent available, the information to be furnished in connection with filings under Article 36 of Chapter 58 of the General Statutes?
- A. Yes. Those data that were available have been submitted to the Commissioner as part of the Filing. As shown and explained in that submission, some data were not collected or, if collected, were not retrievable from the statistical data in the form requested. The individual circumstances with respect to such data are explained in the submission.
- Q. Does that conclude your prefiled testimony?

A. Yes.

PREFILED TESTIMONY
OF
BRETT S. FOSTER

2024 NORTH CAROLINA WORKERS COMPENSATION
LOSS COST AND ASSIGNED RISK RATE FILINGS
PROPOSED TO BE EFFECTIVE ON APRIL 1, 2025

Q. *Please state your name, title, employer, position you hold, and summarize your responsibilities.*

A. My name is Brett Foster, and I am an Executive Director and Actuary for the National Council on Compensation Insurance, Inc. (“NCCI”) in Boca Raton, Florida. My current responsibilities include oversight of the actuarial function, including the preparation of rate filings and presentation of actuarial testimony, for multiple jurisdictions (including North Carolina).

Q. *Would you outline your academic and professional training?*

A. I have a Bachelor of Science degree with majors in mathematics and economics from Missouri State University, in Springfield, Missouri. I am a Fellow of the Casualty Actuarial Society and a Member of the American Academy of Actuaries and am in good standing with both of those organizations.

Q. *How long have you been employed by NCCI?*

A. I have worked for NCCI since June of 2012, during which time I have contributed in various areas of NCCI’s Actuarial and Economic Services division, including class ratemaking, individual risk rating research, legislative analysis, and aggregate ratemaking. In addition to overseeing the actuarial function for three jurisdictions, I am currently responsible for leading NCCI’s Actuarial Communications area.

Q. *Would you briefly describe the principal functions of NCCI?*

A. NCCI is the major data collector of workers compensation statistics and is recognized as the expert organization in workers compensation data

collection, ratemaking, and research. NCCI's principal functions are to collect and process statistical data, inspect and administer a detailed classification system, and develop prices for workers compensation insurance that are not excessive, inadequate or unfairly discriminatory. NCCI prepares manual loss costs, manual rates, rating plans, and policy forms for use by its members and subscribers, and files this information with various supervisory authorities on their behalf.

Q. *Who belongs to NCCI?*

A. NCCI is an organization of some 600 members and subscribers who are insurance companies and self-insured funds writing workers compensation insurance.

Q. *Are you familiar with the filings for revised workers compensation loss costs and assigned risk rates by the North Carolina Rate Bureau (the "Filings") of which this testimony is a part?*

A. Yes, I am.

Q. *Did you supervise the production of the Filings?*

A. Yes, I did. NCCI has contracted with the North Carolina Rate Bureau as an actuarial services vendor in connection with these Filings.

Q. *What is the purpose and scope of your testimony?*

A. I provide testimony on the key actuarial issues and components in the Filings. Specifically, my testimony discusses the (i) development of the overall average loss cost level indication, (ii) assigned risk differential analysis, and (iii) various expense components contained in the voluntary loss costs and assigned risk rates.

Q. *Could you briefly describe the purpose of the Filings that have been submitted to the North Carolina Department of Insurance?*

A. Yes. One of the Filings proposes revised loss costs and rating values for the voluntary market. The other Filing proposes revised rates and rating values for the Workers Compensation Insurance Plan, which is the assigned risk market.

Q. *What is the voluntary market and what is the assigned risk market?*

A. When insurers elect to provide workers compensation coverage to employers in North Carolina's competitive marketplace, incorporating their own underwriting guidelines and expense needs, the group of policies issued to those employers constitutes the "voluntary market."

Because workers compensation insurance is required by law for most employers in North Carolina, an employer unable to secure workers compensation insurance in the voluntary market obtains coverage through the Workers Compensation Insurance Plan, which is also called the "assigned risk" or "residual" market. This "market of last resort" provides a method for those employers not written voluntarily to obtain coverage.

Q. *For the voluntary market, you mentioned a revision to the current loss costs has been filed. What is the difference between a loss cost and a rate?*

A. The term loss cost is used because, in general, it represents only that portion of the full rate that provides for loss and loss adjustment expenses. The North Carolina loss costs are not final rates because they do not include provisions for any of the remaining expenses (including production expenses, profit, contingencies, etc.) of an insurer.

In the North Carolina voluntary market, each carrier is responsible for considering its individual expense needs, developing a loss cost multiplier (LCM), and determining its final rates. The carrier-specific LCM is the expense loading (providing for all carrier expenses other than loss adjustment expense) an insurer applies to a set of loss costs to build its final rates. In this process, a carrier may elect to base its final rates on the loss costs in the Loss Cost filing.

Q. *If this loss cost revision were approved as filed, would all employers insured in the voluntary market receive a loss cost change equal to the overall average proposed change?*

- A. No. The proposed loss cost indication represents the overall average change for the voluntary market. The actual percentage loss cost change will vary between individual classification codes—some above and others below this average.

The proposed overall average change is equitably distributed to the various industry groups and then to the more than 500 individual classification codes during the ratemaking process. The final premium charged to a particular employer not only depends on the specific class codes in which the employer conducts business, but also on the individual insurer issuing the policy. Since in the voluntary market each insurer is responsible for determining its final rates, after reviewing its own expense needs, underwriting guidelines, etc., the final premium charged to any particular employer may vary among insurers.

- Q. *Please give us an overview of the process used to develop the Filings.*
- A. The latest available premium and loss data is collected by NCCI and NCRB from insurance companies and verified. Using this data, the expected costs associated with writing workers compensation insurance in North Carolina during the period April 1, 2025 through March 31, 2026 are determined. In this process, expenses are analyzed and provisions for these components are included. The expected future costs determine the extent to which the currently approved overall loss cost and rate levels should change.
- Q. *Do the Filings include data for all companies writing workers compensation business in North Carolina?*
- A. Not necessarily. There are several reasons that would prevent a carrier's data from being included in a filing, including (i) data that was not reported prior to the filing and (ii) quality issues that exist with the reported data. While it would be preferable to include all carriers' data in the filing, it is critical that the data be of the highest quality possible. Carriers with a premium market share greater than 0.1% and whose data is not contained in the Filings' experience period are listed in Appendix A-IV.

NCCI has the following processes in place to provide all carriers the incentive to submit aggregate data in a timely and accurate manner:

(i) Aggregate Data Quality Incentive Program (ADQIP): In response to carriers reporting late and/or inaccurate data, they are subject to financial assessments levied by NCCI.

(ii) Financial Data Escalation Process: During the data collection and validation process, data issues are discussed with insurance carrier personnel at progressively increasing levels of authority until the issues are resolved.

The data goes through a series of three validation procedures implemented by NCCI: (i) arithmetic checks, (ii) reasonableness checks, and (iii) a reconciliation report.

The first check, the arithmetic check, is used to make sure that the data submitted to NCCI in the various rows and columns of the aggregate financial data reports sum to the correct totals as stated by the carriers in those submissions.

The second check, the reasonableness check, is used to make sure that all unusual fluctuations in a carrier's data are explained. For example, a company reporting \$100,000 in premium in 2022 and then \$10 million in 2023 would be questioned about the large change in premium amounts.

The third test is reconciliation. The North Carolina data submitted to NCCI is reconciled with the NAIC Annual Statement data submitted by companies to the North Carolina Department of Insurance.

NCRB also has a variety of procedures in place to encourage timely and accurate data reporting, and NCCI does additional validation of the data it receives from NCRB.

Q. *Does the data used in the Filings reflect any effects of the COVID-19 pandemic?*

A. The overall average loss cost/rate level change proposed in the Filings is based on premium and loss experience for Policy Years 2021 and 2022 evaluated as of December 31, 2023.

Changes at the classification code level are based on five years of Unit Statistical Plan Data, which is the audited exposure, premium, and loss information reported to NCCI on a policy level. The Unit Statistical Plan Data used in the Filings includes policies with expiration dates through December 2022.

While both the overall and class code level changes are based on data including a period of time after the start of the COVID-19 pandemic, the data has been reviewed for reasonability and was determined to be appropriate for inclusion in this year's filings.

The filings were prepared as of July 23, 2024; events occurring after this date that may have a material impact on workers compensation costs have not been considered in the analysis.

Q. *Has an adjustment been made to the data on account of COVID-19?*

A. COVID-19-related claims occurring prior to July 1st, 2023 have been excluded from the data on which this filing is based. This is consistent with the handling of the COVID-19 pandemic as a catastrophic event. The temporary classification of COVID-19 claims as catastrophic was intended to address the initial surge in cases but is no longer necessary. As COVID-19 losses are expected to persist, they no longer represent a unique risk in workers compensation. Any COVID-19 related claims occurring on or after July 1st, 2023 are included in the data on which the filing is based, similar to any other claim.

Q. *Do the Filings contemplate catastrophic events that may exceed \$50 million in losses?*

A. Yes, using established ratemaking procedures, the Filings are based on data that excludes the impact of catastrophic events (which may include pandemics) that may exceed \$50 million in losses countrywide. The Catastrophe (other than Certified Acts of Terrorism) Provision is intended to contemplate the exposure to all such events or perils.

Q. *Are the data used in the Filings reasonable and reliable for determining voluntary loss costs and assigned risk rates in North Carolina?*

A. Yes, in my opinion, the data as collected and validated provides an actuarially appropriate, reasonable, and credible dataset on which to base the Loss Cost and Assigned Risk rate Filings.

Q. *What overall average change does the Loss Cost filing propose?*

A. The Loss Cost filing seeks an overall average decrease of 5.2% from the current loss cost level for the industrial classifications.

Q. *What overall average rate level change does the Assigned Risk filing propose?*

A. The Assigned Risk rate filing seeks an overall average rate level decrease of 4.7% for the industrial classifications.

Q. *What is the proposed effective date for the Filings?*

A. The Loss Cost and Assigned Risk rate Filings are both proposed to apply to new and renewal policies becoming effective on or after April 1, 2025. The actual use of the loss costs is subject to individual company actions to adopt the filed loss costs.

Q. *Would you please briefly describe the method used in the Filings to determine the overall average changes?*

A. Yes. In very general terms, the overall changes are determined by taking the latest available aggregate financial data and adjusting it to reflect conditions that are expected to exist for policies becoming effective during the period April 1, 2025 through March 31, 2026. The result indicates the adequacy of the current loss costs for policies to be written during that period. This process requires the application of actuarial judgment and

projections because ratemaking is prospective in nature and future outcomes are unknown.

As presented in Exhibit I of the Filings, the process begins with two blocks of historical North Carolina aggregate financial data. The first block reflects the experience from all policies with effective dates during 2022 and is commonly referred to as "Policy Year 2022" data. The second block of data reflects the experience from all policies with effective dates during 2021 and is referred to as "Policy Year 2021" data. This data consists of earned premiums and losses during these periods reported by those companies writing workers compensation insurance in North Carolina. "Losses" is simply another term for the benefits carriers provide to or on behalf of injured workers. They can be in the form of medical services or indemnity (lost wage) payments. While several years of data were reviewed in connection with this year's actuarial analysis, data for Policy Years 2021 and 2022 serve as the selected experience period in the Filings.

Loss cost level indications were determined based on an average of (i) paid losses and (ii) paid losses plus case reserves for each of Policy Years 2022 (Exhibit I, Section A) and 2021 (Exhibit I, Section B). An average of the separate Policy Year 2021 and 2022 loss cost level indications (Exhibit I, Section C) serves as the basis for the Rate Bureau's filed overall average voluntary loss cost level change.

In calculating the overall loss cost level change, the premium from these two policy years is the first focus. The premiums that have been collected must be "developed" to reflect future payroll audits (line 1 of Exhibit I, Sections A and B). Since the final premium totals for the recent policy years will not be known until all payroll audits have been completed, the application of premium development factors provides a projection of the amount by which the currently-reported premium totals will change when the final results are known.

Additionally, the premiums are brought to the current loss cost level and the portion that covers expenses is removed (line 2). These adjustments are necessary because we are trying to determine how much premium will be available for benefits, and the historical premium data still reflects old rates and includes the portion covering expenses. Since the current loss costs are being analyzed and updated, the reported historical premium is adjusted to this current loss cost level. Once the historical premium has been adjusted to the latest approved loss cost level, one may opine on the adequacy of the current set of loss costs in terms of providing for future losses.

Q. *Would you now describe the adjustments to the policy year indemnity and medical losses?*

A. Yes. The losses from these two blocks of data are reviewed. Indemnity and medical losses are analyzed separately. Initially, losses are limited to mitigate the impact of individual large workers compensation claims. Medical reserves for example can extend into the multi-million dollar range on extremely severe cases. At this stage, limiting such claims is appropriate in determining future loss costs and rates.

Next, the limited losses must be developed to their ultimate level (lines 4 and 16). This is especially necessary for workers compensation insurance because it takes many years before some losses are finally paid. For example, depending on the nature and seriousness of a work-related injury, indemnity payments may extend many years into the future. Further, since even the conditions giving rise to some of these losses may take many years to manifest themselves, several years may pass before some claims are even known to the insurer, let alone settled. Asbestosis claims are an example of this type of loss.

Next, since we are trying to estimate future losses and the data reflects historical benefit levels, the reported losses are adjusted to reflect the impact of any subsequent changes in the level of workers compensation benefits. This is accomplished in two steps (lines 5, 14, 17, and 26). The

losses are then increased by 20.0% so that the final loss costs will include a provision for loss adjustment expense (lines 6 and 18).

The resulting loss figures (lines 8 and 20) are compared to the total estimated premium (line 3) that would be available to fund these losses. Next, the indemnity and medical cost ratios data must be trended to account for inflationary pressures between the time period of the historical data and the period when the loss costs will be in effect (lines 10 and 22). Trend adjusts the historical data to account for the differential impact of inflation on losses and premiums. If losses were changing at the same rate as payrolls, trend would not be needed since the change in losses would be exactly matched by a corresponding change in payrolls and, therefore, premiums. On the other hand, if losses have been changing at a different rate than payroll, trend is necessary if historical data is to be used as a predictor of future losses.

The trend factors selected by the Rate Bureau and applied in these Filings are -4.0% per year for indemnity losses and -4.5% per year for medical losses.

The final step is to adjust the developed and limited cost ratios to an unlimited basis. This is accomplished in lines 12 and 24. The employed methodology involves replacing the amount of actual reported individual claim losses in excess of a North Carolina-specific dollar threshold with an excess loss provision. The excess provision represents the expected volume of losses in excess of the threshold. This procedure serves to smooth out the impact of large losses.

Q. *What are the final steps in determining the overall average voluntary loss cost level change?*

A. Indicated loss cost level changes for each of Policy Years 2021 and 2022 are calculated by summing the respective indemnity and medical cost ratios (line 28). These individual-year changes are then averaged, resulting in an indicated overall average decrease of 5.2% to the current voluntary loss cost level (Exhibit I, Section C).

Q. *What loss development methodologies were analyzed and utilized in connection with the Filings?*

A. The financial data was analyzed in order to select the most actuarially sound loss development projection methodology to be used in determining experience indications. This analysis involves identifying changes in the level of reserve adequacy and trends in development that could skew the results of one or more of the loss development projection methods. In addition, the base to which the loss development factors will be applied is analyzed in conjunction with the factors themselves.

The loss development projection methods examined in this year's analysis were based on (i) paid losses and (ii) paid losses plus case reserves. Results based on an average of these two loss development methodologies were chosen as being most appropriate for this year's Filings.

Q. *After identifying the most appropriate loss development methodology, what is the next step in the process to compute the actual loss development factors?*

A. After identifying the most appropriate loss development methodology, prior years' losses are examined to determine how they evolve from the time they are first reported to the time they are finally settled.

For inclusion in the Filings, (i) final paid loss development factors were derived based on an average of the two most recent historical factors at each age-to-age interval and (ii) final paid plus case loss development factors were derived based on an average of the five most recent historical factors at each age-to-age interval. Statewide loss development (tail) factors were used to develop losses from a nineteenth report to an ultimate basis. The tail factors used in the Filings are based on an average of the most recent ten historical factors at a nineteenth report.

Q. *Please explain the tail factor methodology included in the Filings.*

A. In workers compensation, payments and loss reserve changes persist for extended periods of time. The ultimate losses of a policy year are determined by multiplying the current reported losses by the expected loss development factor. This expected loss development factor is calculated as the product of individual age-to-age development factors (link ratios). However, due to data constraints, it is not possible to calculate all of the required individual link ratios. Therefore, it is necessary to aggregate all loss development that occurs after a nineteenth report into a single (tail) factor. Tail factors are calculated separately for indemnity and medical losses by comparing the changes in the volume of policy year paid plus case losses after a nineteenth report to the volume of policy year paid plus case losses as of a nineteenth report, along with the application of a growth adjustment factor.

Q. *Will you please describe how the final indemnity and medical annual trend factors were determined for the Filings?*

A. Yes. The final trend factors were judgmentally selected by the NCRB after reviewing the results of several different trend estimates, including (i) a North Carolina frequency/severity trend analysis and (ii) indicated annual loss ratio trend factors.

A North Carolina-specific frequency/severity analysis was performed to separately examine changes in the frequency of workers compensation claims being filed and changes in their average cost per case. Indicated loss ratio trend factors based on both paid and paid plus case losses were also examined in order to review trend estimates that are independent of possible fluctuations in carrier-reported claim counts from year to year.

Q. *Has the trending procedure been adjusted to account for the expected impact of COVID-19?*

A. As in the past two filings, an adjustment has been made but is not expected to be material. The standard methodology is to adjust frequency and severity values included in Appendix A-III to a common wage level before analyzing trends that may be present in those values. This practice enables us to analyze trends above and beyond changes that may be due

solely to wage inflation.

In addition to the traditional growth in wages/salaries that may be expected to occur each year, the observed change in the 2019-to-2020 Average Weekly Wage (AWW) was also impacted by COVID-19-related shifts in employment across industry sectors. While a change in industry-sector mix occurs to a small degree each year, its impact on the 2020 AWW change was unusually large due to pandemic related job losses in relatively low wage industries, and ignoring this effect would otherwise distort the intended nature of the adjustment. Similarly, as the economy recovered in 2021, additional industry sector mix changes were observed.

The impact of industry-sector mix changes on the 2022 AWW change was less atypical than what was observed in 2020 and 2021. Therefore, in this year's ratemaking analysis—and similar to prior years' analyses—the 2020 and 2021 AWW values were adjusted to exclude the estimated impact of the pandemic-related, industry sector mix changes. However, more recent AWW values do not include this type of adjustment. This is reflected in the frequency and severity values shown in Appendix A-III.

- Q. *Please explain how the loss adjustment expense provision was determined.*
- A. Both historical North Carolina-specific and countrywide loss adjustment expense information was reviewed as part of this year's rate filing analysis (See Exhibit II-A, Sheet 1). Based on that information, the NCRB judgmentally selected a 20.0% loss adjustment expense provision for use in the Filings.
- Q. *Did you review the process used to allocate the overall average loss cost level change to the five industry groups and to the individual classification codes?*
- A. Yes.
- Q. *Do the Filings contain a description of the manner in which the overall change is distributed to the individual classifications?*

A. Yes. Appendices A-V and B-I through B-V of the Loss Cost filing provide extensive descriptions and documentation of the methods that are used to distribute the overall change among the various classifications.

Q. *How are the individual classification loss cost changes balanced to the industry group change?*

A. As described in Appendix B-III section 1, during the loss cost calculation the payrolls are now extended by the loss costs presently in effect and by the indicated loss costs to determine if the required change in manual premium level has been achieved. Since at first this calculation may not yield the required results, an iterative process is initiated which continuously tests the proposed loss costs including tentative test correction factors until the required change in manual premium level is obtained. The test correction factor is applied to the derived by formula pure premiums.

Q. *Was an exception to the typical iterative test correction factor process applied in this filing?*

A. Initially, the required manual premium change for Office & Clerical was not achieved due to the impact of intermediate rounding on the loss cost calculation for class code 8832. Therefore, the loss cost for this class code was selected to be the value resulting from removing intermediate rounding, and the iterative process was repeated to recalculate the test correction factor.

Q. *Do the experience rating values included in the Filings reflect any methodology changes?*

A. Expected loss rates (ELRs) are a component of the experience mod calculation. NCCI recently undertook a review of certain details of the ELR calculation methodology applied in NC. During this review, we identified a change to a trending component to better-align the time periods of the data used to determine the experience adjustment factor that is applied during the calculation. As a result, the ELRs no longer include the

adjustment previously termed WCSP Trend. The ELR calculation is detailed in Exhibit 10(a)(i).

Q. *How was the overall average change for the Assigned Risk filing determined?*

A. The Assigned Risk filing begins with the loss costs resulting from the analyses just described. Then two additional analyses were performed. The first of these compares the assigned risk market experience to the statewide market experience. This analysis supported the proposed change to the current assigned risk loss cost differential. The second analysis involves the assigned risk expense need. Both of these analyses are documented in Exhibit II of the Assigned Risk filing.

The results of these two analyses are incorporated in the formula Loss Cost Multiplier (Exhibit I-A, Sheet 1 of the Assigned Risk filing). After combining the indicated change in the loss cost level and the proposed change in the Loss Cost Multiplier, the final Assigned Risk rate level decrease of 4.7% results (Exhibit I, Section D of the Assigned Risk filing).

Q. *Please explain the purpose and concept of the assigned risk differential.*

A. The primary purpose of the differential is to help ensure equity between the assigned risk and voluntary markets. In order to help ensure a self-funded assigned risk market—one that does not require subsidization by participants in the voluntary market—the adequacy of the assigned risk differential is reviewed.

In North Carolina, as is usually the case, the combined experience for those employers in the assigned risk market is worse than the combined experience for those in the voluntary market. Therefore, during the assigned risk ratemaking process, the assigned risk differential is applied to recognize this disparity.

Q. *Please explain how this year's proposed change in the assigned risk differential was determined.*

A. As documented in Exhibit II-E of the Assigned Risk filing, ten years of indicated loss cost differentials based on each of (i) paid and (ii) paid plus case data were reviewed. The selected change to the current loss cost differential is based on an average of the changes indicated by both the paid and paid plus case experience (Exhibit II-E, Sheet 1, line (e)).

Q. *Please briefly describe the provisions for the various assigned risk expense components contained in the Assigned Risk filing.*

A. The underlying detail and supporting calculations in connection with the various expense provisions contained in this year's proposed assigned risk rates are fully documented in Exhibit II of the Assigned Risk filing. As a summary, a brief description of each expense component is as follows:

- (i) Commission and brokerage – The 5.0% provision is the commission payable on assigned risk business, as required by the Workers Compensation Insurance Plan.
- (ii) Loss adjustment expense (LAE) – The selection of this component was discussed earlier in connection with the proposed voluntary loss cost level change.
- (iii) Other acquisition and general expense – This category includes provisions for various carrier expense items such as premium collection, underwriting, policy processing, advertising, and company operational and administrative expenses.
- (iv) Uncollectible premium provision – This provision recognizes the fact that not all premium earned by the carriers is collected (Exhibit II-F).
- (v) Underwriting profit – The underwriting profit analysis was conducted by Dr. Zanjani.
- (vi) Taxes, licenses, and fees – This includes a 2.59% provision for the premium tax, including the regulatory surcharge. This year, the

regulatory surcharge component is 3.6% of the premium tax, based on a weighted average of 2% (applicable prior to 1/1/26) and 6.5% (applicable on or after 1/1/26).

- (vii) Effect of expense constant and minimum premiums – It is expected that a \$160 expense constant, a minimum premium multiplier of 200, and a maximum minimum premium of \$1,500 will generate 16.9% of premium in the assigned risk market (Exhibit II-D).

Q. *Please describe what is meant by the term “F-classifications.”*

A. The “F” or “Federal” classifications are those operations conducted on or about navigable waters for which benefit levels and related costs are determined by the United States Longshore and Harbor Workers’ Compensation Act, rather than individual state laws. Typical F-classifications include those covering ship builders and stevedores.

Q. *What changes are proposed for the Federal classifications (“F-classes”)?*

A. Based on the latest available North Carolina F-class experience (contained in Appendix B-V of the Loss Cost filing), the Loss Cost filing proposes an overall average change of -12.6% from the current loss cost level. The Assigned Risk filing proposes an overall average rate level change of -12.2% from the current assigned risk rate level.

Q. *What is your opinion as to whether the proposed loss cost changes for the voluntary market will result in loss costs that are not excessive, inadequate, or unfairly discriminatory?*

A. Based on my analysis, I believe the methodologies employed, the provisions used, and the resulting filed loss cost changes are actuarially sound and reasonable for the time period during which they are proposed to be in effect and will result in loss costs that are not excessive, inadequate, or unfairly discriminatory.

Q. *What is your opinion as to whether the proposed rate changes for the assigned risk market will result in rates that are not excessive, inadequate, or unfairly discriminatory?*

A. As I noted above, the profit analysis was conducted by Dr. Zanjani, and I am relying on his work and opinion as to the appropriateness of the profit provision. Based on my analysis and assuming the profit produced by the proposed rates is reasonable, I believe the methodologies employed, the provisions used, and the resulting filed assigned risk rate changes are actuarially sound and reasonable for the time period during which they are proposed to be in effect and will result in assigned risk market rates that are not excessive, inadequate, or unfairly discriminatory.

Q. *Does this conclude your testimony?*

A. Yes, it does.

NATIONAL COUNCIL ON COMPENSATION INSURANCE 2024 ANNUAL COUNTRYWIDE ADJUSTING AND OTHER EXPENSE REVIEW

Exhibit 1: Ultimate AOE Ratios

Accident Year	Ultimate AOE Ratio Based on Paid Data	Ultimate AOE Ratio Based on Incurred Data	Ultimate AOE Ratio Based on Avg. of Paid and Incurred Data
2017	9.2%	9.5%	9.4%
2018	9.0%	9.0%	9.0%
2019	9.5%	9.7%	9.6%
2020	10.3%	10.0%	10.2%
2021	9.7%	10.0%	9.9%
2022	9.5%	9.9%	9.7%
2023	10.0%	9.8%	9.9%

NATIONAL COUNCIL ON COMPENSATION INSURANCE 2024 ANNUAL COUNTRYWIDE ADJUSTING AND OTHER EXPENSE REVIEW

Exhibit 2: Calculation of Ultimate AOE Ratios—Paid Data

Accident Year	(1)	(2)	(3)=(1)x(2)	(4)	(5)	(6)=(4)x(5)	(7)
	Paid AOE at Current Report	Cumulative Paid AOE Development Factors	Estimated Paid AOE Developed to a 10th Report	Paid Losses at Current Report	Cumulative Paid Loss Development Factors	Estimated Paid Losses Developed to a 10th Report	10th Report- to-Ultimate Paid AOE Ratio Tail Factor
2017	2,030,879,327	1.041	2,114,145,379	16,480,272,138	1.044	17,205,404,112	0.94
2018	2,059,506,487	1.065	2,193,374,409	16,945,111,681	1.072	18,165,159,722	0.94
2019	2,133,199,123	1.098	2,342,252,637	16,600,912,675	1.119	18,576,421,283	0.94
2020	1,946,319,755	1.150	2,238,267,718	13,846,188,477	1.204	16,670,810,926	0.94
2021	1,871,771,971	1.237	2,315,381,928	13,203,721,622	1.374	18,141,913,509	0.94
2022	1,698,858,797	1.430	2,429,368,080	10,836,126,275	1.778	19,266,632,517	0.94
2023	1,155,150,874	2.191	2,530,935,565	4,807,332,348	3.897	18,734,174,160	0.94

Accident Year	(8)=(3)/(6)x(7)	(9)	(10)	(11)	(12)	(13)=[(8)+(9)]x(10)x(11)/[1-(12)]
	Estimated Ultimate AOE Ratio Before Adjustments	Adjustment to Reverse AOE Credits	Adjustment for Losses Associated with TPA Agreements	Adjustment to Convert Losses From Net to Gross of Deductible	Percentage of COVID-19-Related Losses to Total Losses	Estimated Ultimate AOE Ratio After Adjustments
2017	11.6%	0.011	1.037	0.70	-	9.2%
2018	11.4%	0.011	1.034	0.70	-	9.0%
2019	11.8%	0.013	1.040	0.70	-	9.5%
2020	12.6%	0.012	1.040	0.70	2.1%	10.3%
2021	12.0%	0.012	1.041	0.70	0.8%	9.7%
2022	11.8%	0.012	1.036	0.70	0.1%	9.5%
2023	12.7%	0.012	1.045	0.69	0.0%	10.0%

NATIONAL COUNCIL ON COMPENSATION INSURANCE 2024 ANNUAL COUNTRYWIDE ADJUSTING AND OTHER EXPENSE REVIEW

Exhibit 3: Calculation of Ultimate AOE Ratios—Incurred Data

Accident Year	(1)	(2)	(3)=(1)x(2)	(4)	(5)	(6)=(4)x(5)	(7)
	Incurred AOE at Current Report	Cumulative Incurred AOE Development Factors	Estimated Incurred AOE Developed to a 10th Report	Incurred Losses at Current Report	Cumulative Incurred Loss Development Factors	Estimated Incurred Losses Developed to a 10th Report	10th Report- to-Ultimate Incurred AOE Ratio Tail Factor
2017	2,279,642,128	1.007	2,295,599,623	20,847,792,342	0.967	20,159,815,195	1.04
2018	2,314,007,369	1.006	2,327,891,413	22,244,642,598	0.951	21,154,655,111	1.04
2019	2,478,547,207	1.002	2,483,504,301	23,144,847,297	0.930	21,524,707,986	1.04
2020	2,329,369,896	0.997	2,322,381,786	21,785,846,112	0.907	19,759,762,424	1.04
2021	2,452,313,238	0.987	2,420,433,166	23,014,169,115	0.882	20,298,497,159	1.04
2022	2,535,938,682	0.991	2,513,115,234	24,565,195,397	0.861	21,150,633,237	1.04
2023	2,482,000,572	1.014	2,516,748,580	24,656,457,954	0.857	21,130,584,467	1.04

Accident Year	(8)=(3)/(6)x(7)	(9)	(10)	(11)	(12)	(13)=[(8)+(9)]x(10)x(11)/[1-(12)]
	Estimated Ultimate AOE Ratio Before Adjustments	Adjustment to Reverse AOE Credits	Adjustment for Losses Associated with TPA Agreements	Adjustment to Convert Losses From Net to Gross of Deductible	Percentage of COVID-19-Related Losses to Total Losses	Estimated Ultimate AOE Ratio After Adjustments
2017	11.9%	0.011	1.037	0.70	-	9.5%
2018	11.4%	0.011	1.034	0.70	-	9.0%
2019	12.0%	0.013	1.040	0.70	-	9.7%
2020	12.3%	0.012	1.040	0.70	2.1%	10.0%
2021	12.4%	0.012	1.041	0.70	0.8%	10.0%
2022	12.4%	0.012	1.036	0.70	0.1%	9.9%
2023	12.4%	0.012	1.045	0.69	0.0%	9.8%

Pre-Filed Testimony
of
Stephen Koca
2024 North Carolina Workers Compensation
Loss Cost Filing

Q. Please state your name and business address.

A. My name is Stephen Koca; my business address is Milliman, Inc., 251 South Lake Avenue, 8th Floor, Pasadena, California, 91101.

Q. Are you an actuary?

A. Yes, I became a Member of the American Academy of Actuaries (MAAA) in the Spring of 2006 and a Fellow of the Casualty Actuarial Society (FCAS) in the Fall of 2006. I am a member in good standing of both organizations and am current on my continuing education requirements.

Q. Please describe your educational and professional background.

A. I graduated with a Bachelor of Science degree in Mathematics from Pennsylvania State University in 2003. I joined Milliman in 2005; my prior employment includes actuarial experience with two different insurance companies covering both personal and commercial lines of business. My role at Milliman includes managing a broad client base that includes traditional insurers, state workers' compensation funds, self-insureds and other alternative risk mechanisms. I provide loss ratio projections, rate filing assistance, unpaid claim analyses, capital modeling, and other services to these clients. In addition, I am a frequent industry volunteer, currently serving as Chairperson of the AAA Committee on Property and Liability Financial Reporting and have been nominated for the AAA Board of Directors as a Member-Selected Director beginning my term in 2025. I am also active with the National Association of Insurance Commissioners (NAIC), frequently participating in calls and meetings relating to casualty actuarial, statutory accounting, and risk-based capital issues with NAIC task forces. I have previously served on the AAA's Casualty Practice Council; the AAA's Workers' Compensation Subcommittee; and as President of the Southern California Casualty Actuarial Club.

Q. What is Milliman?

A. Milliman is among the world's largest independent actuarial and consulting firms. Milliman was founded in Seattle in 1947 as Milliman & Robertson and today has offices in principal cities worldwide, covering markets in North America, Latin America, Europe, Asia and the Pacific, the Middle East, and Africa. Milliman employs more than 4,800 people, including specialists ranging from clinicians to economists. The firm has consulting practices in healthcare, employee benefits, property and casualty insurance, life insurance, and financial services. Milliman serves the full spectrum of business, financial, government, union, education, and nonprofit organizations.

Q. Were you engaged to provide actuarial services to the North Carolina Rate Bureau (the "Rate Bureau") in connection with its 2024 workers compensation insurance loss cost filing (the "Filing")?

A. Yes, I was.

Q. What was the scope of that engagement?

A. For this year's filing, the Rate Bureau engaged NCCI to provide the preliminary analysis of the data, including preliminary analysis of loss development and trends and presenting the data to the Rate Bureau. The Rate Bureau's Workers Compensation Committee is responsible for making the selections included in this filing. The scope of Milliman's engagement includes a review of the NCCI presentation, assisting the Rate Bureau in explaining the filing to regulators, and providing expert testimony concerning the filing.

Q. Did you or your firm physically prepare the filing documents for the Rate Bureau?

A. No, NCCI prepared the filing based on the directions of the Rate Bureau; our role was one of input and review.

Q. Is your firm being compensated for this engagement?

A. Yes.

Q. Is that compensation in any way contingent on the provision of favorable testimony in support of the filing?

A. No, it is not.

Q. Have you completed your review of the filing?

A. Yes, I have.

Q. Were there any constraints placed on your review, such as limited or delayed access to data or limited time, that may have impeded your complete review?

A. No, we were provided all the information that was necessary and had adequate time for a complete review. Our review was not limited in any way.

Q. Explain the difference between a Loss Cost Filing and a Rate Filing.

A. By definition, insurance rates (along with the associated rating plans) are to include provisions for all costs associated with the transfer of risk. These costs include losses, expenses, taxes, licenses and fees, and profit and contingencies. Since 1995 in North Carolina, the voluntary market workers compensation filings by the Rate Bureau have included provisions for losses, loss adjustment expenses, and loss-based assessments only. As a consequence, they are called "loss cost" filings, and they specifically exclude provision for production expenses, general expenses, dividends, taxes, licenses and fees (since 1999), and profit and contingencies.

Individual insurance companies will analyze their own books of business along with the approved loss costs, and then make filings with the Insurance Department for loadings that represent an anticipated difference in loss costs (if any), along with their production and general expense, taxes, licenses and fees, and profit and contingency provisions.

Q. Can you briefly explain the overall theory underpinning the filed loss cost change?

A. Yes, the fundamental principle is that historical North Carolina loss cost experience will be predictive of the level of loss costs that will emerge in the future.

Q. How is COVID-19 reflected in the loss costs?

A. The Rate Bureau is handling claims related to the COVID-19 pandemic as a catastrophic event through the accident date of June 30, 2023. For COVID-19 related claims for accidents occurring July 1, 2023 and subsequent, these claims are no longer treated as a catastrophic event. This treatment is consistent with the expectation that these types of claims will persist at these more recent levels for the future period covered by the Filing.

Q. What is the overall change in Loss Costs the Rate Bureau is seeking in this Filing?

A. The Rate Bureau is filing a 5.2% reduction in the overall level of loss costs for industrial classifications and a 12.6% decrease for Federal ("F") classifications.

Q. Do you know what the overall change in premium will be?

A. No. In addition to any exposure base changes (payroll), the overall change in premium will depend upon the actions of individual companies to adopt the loss costs, as well as the loadings for production and general expenses, taxes, licenses and fees, and profit that are included in their individual rate filings with the Insurance Department.

Q. Is the change in Loss Costs the same for each class code?

A. No, although the overall change is a decrease of 5.2% for industrial classifications and a decrease of 12.6% for the F classifications, the individual class codes within these broad groupings will change by different amounts. The industrial classifications are further organized by industry group and the average changes are as follows:

Manufacturing 2.6% decrease
Contracting 5.0% decrease
Office and Clerical 8.0% decrease
Goods and Services 6.2% decrease
Miscellaneous 4.7% decrease

Q. What is the proposed effective date of the filed loss costs?

A. April 1, 2025.

Q. When did the current loss costs take effect in North Carolina?

A. The current loss costs became effective April 1, 2024.

Q. For what period of time are the projections made?

A. The filed loss costs are anticipated to go into effect on April 1, 2025. Because it is anticipated that loss cost filings are made annually, these loss costs are expected to remain in effect until April 1, 2026. Therefore, loss costs are projected for policies that become effective from April 1, 2025 through March 31, 2026. However, because covered claims can occur on any day a policy is in force, and since most policies are written for annual periods, the first covered claim could occur no earlier than April 1, 2025 and the last covered claim could occur no later than March 31, 2027. Thus, the loss costs must be projected to be sufficient for occurrences over this two-year period. To simplify

the analysis, the Rate Bureau projects losses to the average occurrence date during this period.

Q. Let's begin discussing the industrial classifications. Can you provide more detail on what historical experience is used and how the projection is made for the industrial classifications?

A. Fundamentally, the proposed overall change in loss costs is based on Policy Year 2021 and Policy Year 2022 data, valued as of December 31, 2023.

Q. What is a policy year?

A. A policy year describes a way of grouping insurance loss and exposure data so that both may be examined simultaneously. Policy year 2022, for example, consists of the experience of policies (both losses and exposures) with effective dates on any day during 2022.

Q. It's now September 2024, so policy year 2022 sounds fairly old at this point. Would it be better to include more recent data?

A. No, it is not necessarily better to use more recent data. Recall that a policy year contains the experience of policies incepting during the year. The last policy that could have been written in policy year 2022 would have been written on December 31, 2022 with normal expiration one year later. For the industrial classifications, the valuation date of the data is December 31, 2023. After allowing time for insurance companies to estimate loss reserves and report data, and for the Rate Bureau to assemble and prepare the filing, it is evident that policy year 2022 is the most recent complete policy year that could feasibly be included.

Q. What about Policy Year 2023?

A. As of December 31, 2023, policy year 2023 is incomplete. Most policies written in 2023 will continue in force during 2024. Roughly speaking, only one half of policy year 2023 written premium would be earned as of year-end 2023, and only one half of the claims that will eventually occur would have occurred by year-end 2023. The Rate Bureau does collect this data, even in its incomplete form. However, in my view, the losses and exposures are too immature to be used reliably for ratemaking.

Q. Can you please explain more about the projection process?

A. It is easiest to start with the overall change, and then work backwards exposing more layers of complexity as we go. Most insurance professionals are familiar with the term "loss ratio." A loss ratio is simply losses divided by premium. In North Carolina, the loss costs are required to include provisions for losses, loss adjustment expenses, and loss-based assessments, but to exclude provisions for other insurance company expenses and profit and contingencies. By convention, we

often call a premium excluding expenses and profit a “pure premium.” For convenience, we will define the term “loss and LAE pure premium ratio” as a numerator that includes losses, loss adjustment expenses, and loss-based assessments divided by a denominator that includes a provision in the premium for the same three elements. In essence, the numerator is the cost for losses, loss adjustment expenses, and loss-based assessments that insurance companies will ultimately pay, and the denominator is the amount insurance companies will ultimately charge to policyholders for those same elements.

If we knew the *loss and LAE pure premium ratio* that would result during the period of prospective loss cost use if the current loss costs were charged to policyholders, then we would know by how much to change the current loss costs. Suppose, for example, the numerator was 10% larger than the denominator (i.e., the ratio is 1.10). The solution would be to increase the denominator by 10% to make them equal. Similarly, if the numerator was 10% less than the denominator (i.e., a ratio of .90), then the solution would be to shrink the denominator by 10%. Changing the current loss costs by the desired percentage is in essence increasing or shrinking the denominator in this example.

In reality, however, we do not yet know the *loss and LAE pure premium ratio* that will result during the period of prospective use if the current loss costs were charged. The indicated change represents the outcome of a reasonable estimate of that ratio.

Q. How did the Rate Bureau go about estimating the *loss and LAE pure premium ratio*?

A. The Rate Bureau gave equal weight to two different ratios, i.e., ratios derived from policy year 2021 and policy year 2022 experience.

Q. What companies’ data are included in policy year 2021 and policy year 2022 experience?

A. All companies are required to submit data to either the Rate Bureau or the NCCI. The data are aggregated by NCCI and NCCI reviews and validates the data in order to assemble an accurate database upon which to base the filing. However, some companies may not report, or their data cannot be validated and reconciled, in which case their data are excluded. Appendix A-IV of the filing shows a listing of all carriers writing more than 0.1% of the market that are excluded. This listing shows that no carriers meeting this criterion were excluded for policy years 2021 or 2022 in the current filing.

Q. Why is the experience of both the voluntary market and the assigned risk market used to derive voluntary market loss costs?

A. This is to ensure that the voluntary market loss costs are sufficient for insurance companies to be able to write an average employer in the state, including those that may be currently in the assigned

risk plan.

Q. How did the Rate Bureau project policy year 2021 and policy year 2022 *loss and LAE pure premium ratios*?

A. There are seven major steps.

1. *Pure premiums* are developed to an ultimate basis.
2. *Pure premiums* are adjusted to the current loss cost level.
3. Limited losses are developed to an ultimate basis.
4. Limited losses are adjusted to an unlimited basis.
5. Losses are adjusted to the proposed benefit level.
6. Loss adjustment expenses are included.
7. The *loss and LAE pure premium ratio* is trended to the midpoint of loss cost use.

Q. In your opinion, is each of these seven steps necessary and actuarially appropriate?

A. Yes.

Q. Why do *pure premiums* need to be developed to an ultimate basis?

A. Workers compensation policies are typically priced by calculating the premiums (and by extension *pure premiums*) on the basis of estimated exposures (usually payroll). After policy expiration, these exposures are audited and trued-up. Historically, this process has usually resulted in an increase in revenue, although depending upon economic circumstances could also result in a decrease in revenue. *Pure premium* development is used to estimate the amount that *pure premiums* for a given policy year will change in the future as a result of these adjustments. Appendix A-II of the filing contains the calculation of the *pure premium* development factors.

Q. In your opinion, are the *pure premium* development factors reasonable?

A. Yes, they are.

Q. Why do *pure premiums* need to be adjusted to the current loss cost level?

A. I mentioned a little earlier that a key component of the filing is to project the *loss and LAE pure premium ratio* that would result during the period of rate use if the current loss costs were charged. The reported data include *pure premiums* at the “designated statistical reporting level,” or the *pure premium* level based on the loss costs in effect at the effective date of each policy within the policy year for voluntary market risks, and the premium level based on the rates in effect for assigned risks. These *pure premiums* and premiums need to be adjusted from the values as reported to the

values that would result if the current (4/1/2024) loss costs were applied to each policy. Appendix A-I of the filing contains the *pure premium* on-level factors.

Q. In your opinion, is the adjustment the Rate Bureau used to adjust historical *pure premiums* and premiums to current loss cost level reasonable?

A. Yes, it is.

Q. What is loss development and why is it necessary?

A. Workers compensation claims are typically paid on a periodic basis in the form of indemnity benefits to injured workers and medical benefits to their medical providers. While most claims are resolved in the first year, some injuries are quite serious and workers compensation benefits will be paid for many years, potentially for the injured worker's lifetime. Policy years 2021 and 2022 will therefore include many claims which have not been resolved as of December 31, 2023, and consequently the full cost of those claims is unknown.

Loss development is a methodology utilized to estimate the full cost of a group of claims based on what is known about the claims as of the valuation date and a review of the values of older claims at similar maturities.

As an example, consider projecting loss development based on paid losses. For a given policy year, the cumulative amounts paid for indemnity and medical benefits will increase over time as the policy year becomes older (more mature) until all claims are closed and final. The growth of the cumulative paid losses of older policy years from maturity to maturity (age to age) is measured and used to project the expected growth of the given policy year as the given policy year matures. Growth will slow and eventually cease as all claims become final, and at this point, all claims are at their ultimate values.

For limited paid losses from 1st report to 19th report, the Rate Bureau used the unweighted average of the two most recently available age-to-age factors as the basis for the projection of the development factors. Once selected, these age-to-age factors are successively multiplied to represent the cumulative growth from the age of the given policy year (2021 or 2022) to a 19th report. At the 19th report, the policy year ratio of paid loss to paid loss plus case reserves is selected based on an average of the five most recently available policy years that have a 19th report valuation and is used as a divisor. Additionally, a policy year 19th to ultimate limited case-incurred loss development factor is applied to obtain limited losses at ultimate.

In addition to using paid losses, the Rate Bureau also projects development on a case-incurred basis. "Case-incurred losses" are defined as losses paid to date, plus case reserves. Case reserves are

estimates made by insurance adjusters for the future cost of a claim, considering the facts known to the adjuster at the time the estimate is made. As with paid losses, the value of *case-incurred losses* tends to grow as a cohort of claims matures, losses are paid, claims are closed, and the remaining case reserves are revalued.

For limited *case-incurred losses* the Rate Bureau used the unweighted average of the five most recently available age-to-age factors up to a 19th report. The use of five years is consistent with the methodology used over the past several years.

In a manner consistent with the paid loss development, policy year cumulative development to a 19th report is first calculated. Additionally, a policy year 19th to ultimate limited *case-incurred loss* development factor is applied.

Because indemnity and medical losses typically develop at different rates, loss development factors are calculated separately for these components.

Q. Is this the same loss development methodology used in the prior filing?

A. Yes, it is.

Q. Have you reviewed the loss development factors as calculated by the Rate Bureau?

A. Yes, I have.

Q. What are your conclusions?

A. I found the development factors and the development methods selected by the Rate Bureau to be reasonable.

Q. Why are “limited losses” used and what are the limits?

A. Some workers compensation losses can be very large and can have a destabilizing effect on the losses for a policy year or on the loss development factors. Consequently, the losses for policy years 2021 and 2022 have been limited by a large loss limit, as have all policy years entering the development factor calculations. Since the losses excess of the loss limit have been excluded, a factor must be applied in the analysis to “add back” those excluded costs in recognition of the fact that losses excess of the loss limit are expected to occur in the future. The filing uses a factor of 1.012 (1.2%) to include losses excess of the limit. This factor is based on the fitted severity distributions used for the Excess Loss Pure Premium Factors in the Retrospective Rating Plan.

As might be expected, the loss limit will generally increase over time as inflation drives loss costs upward. For example, the loss limit for the midpoint of the loss cost effective period (March 20, 2026) is approximately \$11.5 million. However, this limit is detrended to obtain the individual loss limit in each historical policy year. Appendix A-II of the filing shows the factor to include losses excess of the limit and the limits used in each year.

Additionally, the Rate Bureau will identify certain large multi-claim occurrences as catastrophes and assign them a catastrophe number to be excluded entirely from the experience used to derive the loss cost change. There were no such catastrophes identified for either policy year 2021 or policy year 2022 apart from COVID-19, which was previously discussed.

Q. In your opinion, is the loss limitation procedure used by the Rate Bureau reasonable?

A. Yes, it is.

Q. Why are losses adjusted to proposed benefit level?

A. The claims that occurred during policy year 2021 and policy year 2022 will receive benefits based on the law that was in effect on the date of occurrence. The benefits that will ultimately be paid for the occurrences during the expected effective period will be based on the level of benefits during that time period. By convention, the Rate Bureau estimates changes in benefits in two stages. The first adjustment is from the average benefit level based on the claims in each policy year up to the benefit level included in the April 1, 2024 filing. This adjustment is calculated in Appendix A-I of the filing. The second adjustment is for the impact of the revised medical fee schedules: the Hospital Inpatient fee schedule change effective October 1, 2023 and other components of the medical fee schedule change effective January 1, 2024 and March 9, 2024. The impact of these changes is summarized in Appendix C of the filing.

Q. In your opinion, are the benefit level factors calculated and applied by the Rate Bureau reasonable?

A. Yes, they are.

Q. How are loss adjustment expenses included in the filed loss costs?

A. Loss adjustment expenses are included by multiplying estimated loss costs by a factor which represents the ratio of loss adjustment expenses to losses. The Rate Bureau uses three sources of information for the ratio of loss adjustment expenses to losses. The first, used for Defense and Cost Containment Expenses (DCCE), is North Carolina Policy Year data where the ratio of DCCE to loss is developed to ultimate by policy year. The second source of information is countrywide accident year

ratios of Adjusting and Other Expenses (AOE), developed to ultimate and based on a special call for accident year loss adjustment expenses. The third source is the North Carolina calendar year ratios of total LAE to total loss from insurance company statutory annual statements page 14.

Q. What factor did the Rate Bureau select to incorporate loss adjustment expenses?

A. The Rate Bureau selected a factor of 1.200, which is unchanged from the factor that was used in the current loss costs.

Q. In your opinion, is the loss adjustment expense factor reasonable?

A. Yes, it is.

Q. What is trend?

A. In the filing, trend refers to the relative movement of a loss to pure premium ratio over time, after adjustments have been made for premium and loss development and premium and loss on-level factors. If the loss to pure premium ratios, after all other adjustments have been made, drift upwards over time, this is a positive trend; if they drift downwards over time, it is a negative trend. Trend is needed because the data for policy years 2021 and 2022, even after adjustment for development and on-leveling, represent the ultimate level of costs during policy year 2021 and 2022 respectively. However, the loss costs are proposed to be applied to policies effective from 4/1/2025 through 3/31/2026. Trend adjusts for the drift in the level of loss costs that is expected to occur between the date of the experience and the date of the loss cost use.

Q. How did the Rate Bureau select trend factors?

A. The Rate Bureau considered the trend factors in its current loss costs, the trend indications in other states, along with the trends indicated by North Carolina data for frequency, severity, and pure premium ratios. When looking at the severity and pure premium ratio trends, the Rate Bureau considered the indications based on both paid loss development methods and case-incurred loss development methods.

Q. How specifically are the indicated trends calculated?

A. The Rate Bureau reviewed policy year data from 2008 through 2022, but focused chiefly on policy years 2015 to 2022. For the pure premium ratio trend, a time series is constructed from the policy year pure premium ratios. The *pure premiums* that form the denominator of the pure premium ratio are developed to ultimate and adjusted to the current loss cost level. Indemnity and medical losses are analyzed separately and are developed to ultimate and adjusted to the current benefit level. The

ratios of the adjusted losses to the adjusted *pure premiums* for each policy year form the time series that is examined for drift. A linear regression is fit through the natural logarithms of the adjusted ratios via the method of least squares, and the coefficient corresponding to the slope is transformed back to the original scale to obtain an annual trend rate.

The process is similar for the frequency trend; however, in addition to development and adjustment to the 4/1/2024 loss cost level, the *pure premiums* that form the denominator are also adjusted to the policy year 2022 wage level. This is because the *pure premiums* in each historical policy year will reflect the actual workers' wages in each year (because the workers compensation exposure base is payroll). By adjusting each year to a constant wage, the *pure premiums* will be proportional to the hours worked. The number of claims per hour worked is a better measure of the true incidence of claims. The numerator of the time series for the frequency trend is the number of lost-time claims developed to ultimate. The same log-linear approach is used to find an annual trend rate of the most recent years.

The procedure used to estimate the severity trend is similar. The numerator of the severity trend time series uses policy year indemnity or medical losses developed to ultimate, adjusted to the current benefit level, and adjusted to the policy year 2022 wage level. However, since the severity trend is estimating the growth in average claim costs over time, the denominator uses the same number of lost-time claims developed to ultimate by policy year as is used in the frequency trend numerator. Because the losses in the severity trend numerator are adjusted to a common wage level, the trend calculation will be measuring the difference in the growth rate of indemnity or medical severities relative to the growth in wages. With respect to indemnity trends, since most workers compensation weekly benefits are proportional to wages, any positive observed indemnity severity trend implies that costs are increasing faster than wages. Similarly, for medical severity, any positive observed medical trend implies that medical costs are increasing faster than wages.

Since the numerator of the frequency trend is the same as the denominator of the severity trend, multiplying the two annual trend rates (expressed as a factor) together will cause the number of claims to cancel. Thus, the product of the two factors would have a numerator that is consistent with the numerator of the severity trend (ultimate losses adjusted to current benefit and wage levels) and a denominator consistent with the denominator of the frequency trend (developed *pure premiums* adjusted to current loss cost and wage levels). These are the very same elements in the numerator and denominator as were used in the pure premium ratio trend. Thus, frequency and severity trends can be viewed as underlying components of the pure premium ratio trend and their product represents a different way of estimating the pure premium ratio trend.

Q. Has trend been adjusted for COVID-19?

A. There is not an explicit adjustment to the trend related to potential impacts of COVID-19.

Q. What did the Rate Bureau select for its annual trend rates?

A. The Rate Bureau selected an indemnity pure premium annual trend factor of 0.960 (a negative 4.0% annual trend). Their medical pure premium annual trend selection was a factor of 0.955 (a negative 4.5% annual trend). The end result is that the combined trend rate is negative, implying that loss costs are expected to improve between the time they were last observed (policy year 2021 and policy year 2022) and the time that they will be used (policies written between 4/1/2025 and 3/31/2026). These trends compare to selected trends in the prior filing of 0.960 (a negative 4.0% annual trend) for indemnity pure premium and 0.960 (a negative 4.0%) for medical pure premium.

Q. In your opinion, are the Rate Bureau's selected annual trends reasonable?

A. Yes.

Q. Has the Rate Bureau made any changes to the methodology used to determine the Experience Rating Plan Values included in this filing?

A. Yes, it has. The expected loss ratios (ELRs) no longer include a Workers Compensation Statistical Plan (WCSP) trend adjustment. The impact of this change is expected to be minimal.

Q. You have explained the experience used in the loss cost filing, the adjustment made to the data with respect to development, the adjustment to current loss cost level, the adjustment to current benefit level, the adjustment to include losses excess of the loss limit, the adjustment to include loss adjustment expenses, and the adjustment for trend. You have concluded that each of these was reasonable, have you not?

A. Yes.

Q. In your opinion, are there any adjustments or factors that the Rate Bureau should have included in its analysis but has not?

A. No, there are not.

Q. Do you have an opinion on the reasonableness of the overall change in loss costs proposed by the Rate Bureau?

A. Yes, my conclusion is that the Rate Bureau used appropriate actuarial methods and reasonable assumptions in its calculation of the overall change in loss costs in the voluntary loss cost filing. I therefore conclude that the result, a filing for an overall decrease in the level of loss costs by 5.2%

for the industrial classifications, is reasonable and actuarially sound.

Q. Has the methodology used by the Rate Bureau to determine the overall change in loss cost level materially changed from the methodology used in the prior loss cost filing?

A. No, it has not.

Q. Have you reviewed the methodology the Rate Bureau used to calculate the industry group differentials?

A. Yes, I have.

Q. Do you have an opinion as to whether that methodology, the resulting industry group differentials, and the resulting changes by industry group are reasonable?

A. Yes, I believe that the methodology, the resulting industry group differentials, and the resulting changes by industry group are all reasonable.

Q. Has the methodology proposed for determining the loss costs for the Federal classifications ("F-classes") changed?

A. No, it has not.

Q. Have you reviewed the methodology used to determine the overall change for the F classifications?

A. Yes, I have.

Q. Do you have an opinion whether the methodology used and the resulting change for the F classifications is reasonable?

A. Yes, I believe that the methodology used and resulting overall decrease of 12.6% for the F classifications are reasonable.

Q. For the industrial classifications, have you reviewed the methodology used to spread the overall industry group changes to loss cost level to the individual classification loss costs within each industry group?

A. Yes, I have.

Q. Have there been any changes to the methodology used to distribute the overall loss cost change by industry group to the individual classifications within each industry?

A. No.

Q. Are swing limits still applied?

A. Yes. Swing limits are applied similarly to prior filings, namely, the maximum loss cost change for any given classification is limited. For the industrial classifications, the limits remain the industry group average change plus or minus 25%. For the F classifications, the Rate Bureau is continuing with the plus or minus 15% used in the prior filing.

Q. In your opinion, is this methodology reasonable and are the resulting loss costs by classification reasonable?

A. Yes.

Q. Do you have an opinion whether the filed loss costs are actuarially sound and reasonably reflect the needed level of loss costs for workers compensation insurance in North Carolina?

A. Yes, in my opinion the overall level of the loss costs as filed by the Rate Bureau reasonably reflects the expected level of loss costs for workers compensation insurance in North Carolina, and the loss costs by classification as contained in this filing are actuarially sound. Further it is my opinion that the filed loss costs are not excessive, inadequate, or unfairly discriminatory.

Q. Does this conclude your testimony?

A. Yes, it does.