

BEFORE THE COMMISSIONER OF INSURANCE FOR THE STATE OF IOWA

IN THE MATTER OF THE APRIL 1, 2018)
RATE FILING BY THE NATIONAL COUNCIL) ORDER
ON COMPENSATION INSURANCE, INC.)

Pursuant to the provisions of Iowa Code chapter 515A, the National Council on Compensation Insurance, Inc. (NCCI) submitted a rate filing on April 1, 2018. Notice of the filing was published on the Iowa Insurance Division's web site on April 15, 2018. No request for a hearing on the rate filing was received.

The rate filing proposes an overall decrease in voluntary and assigned risk rates of 1.9% from the current rates that became effective January 1, 2018. Based on an independent review of the NCCI proposal, the Commissioner finds the proposed rates not to be excessive, inadequate, or unfairly discriminatory.

It is **ORDERED** that the April 1, 2018 rate filing is **APPROVED** to be effective June 1, 2018.

Dated this 7th day of May, 2018.

Iowa Insurance Division



Doug Ommen
Commissioner of Insurance



Iowa

Voluntary and Assigned Risk Rates
and Rating Values Law-Only Filing

Proposed Effective June 1, 2018



**National Council on
Compensation Insurance**

Clarissa Preston
State Relations Executive
Regulatory Division

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March 30, 2018

Honorable Doug Ommen
Insurance Commissioner
Iowa Insurance Division
601 Locust St., 4th Floor
Des Moines, IA 50309-3738

Re: Iowa Voluntary and Assigned Risk Rates and Rating Values Law-Only Filing Proposed Effective June 1, 2018

Dear Commissioner Ommen:

In accordance with the applicable statutes and regulations of the state of Iowa, we are filing for your consideration and approval advisory prospective rates and rating values for the Iowa voluntary and assigned risk markets to become effective June 1, 2018 for new and renewal policies.

This filing proposes an overall decrease of 1.9% in voluntary and in assigned risk rates. The advisory prospective rates of the voluntary market are used as a basis for the rates in the assigned risk market.

This proposed decrease stems from the changes contained in the Tax Cuts and Jobs Act of 2017 ("TCJA"), as explained in Exhibit I.

This filing is made exclusively on behalf of the companies that have given valid consideration for the express purpose of fulfilling regulatory rate or pure premium filing requirements and other private use of this information.

In the enclosed appendix is a list of companies which, as of the time this filing is submitted, are eligible to reference this information. The inclusion of a company on this list merely indicates that the company, or the group to which it belongs, is affiliated with NCCI in this state, or has licensed this information as a non-affiliate, and is not intended to indicate whether the company is currently writing business or is even licensed to write business in this state.



**National Council on
Compensation Insurance**

The Honorable Doug Ommen

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March 30, 2018

As always, if you should have any questions or need additional information, please do not hesitate to contact Brett Foster at (561) 893-3121 or me at (561) 945-4517.

Respectfully submitted,

National Council on Compensation Insurance, Inc.

A handwritten signature in blue ink that reads "Clarissa Preston". The signature is written in a cursive, flowing style.

Clarissa Preston
State Relations Executive
Regulatory Division



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Workers Compensation Rate Filing – June 1, 2018

Actuarial Certification

I, Brett Foster, am a Manager and Associate Actuary for the National Council on Compensation Insurance, Inc. I am a Fellow of the Casualty Actuarial Society and a member of the American Academy of Actuaries, and I meet the Qualification Standards of the American Academy of Actuaries to provide the actuarial report contained herein.

The information contained in this report has been prepared under my direction in accordance with applicable Actuarial Standards of Practice as promulgated by the Actuarial Standards Board. The Actuarial Standards Board is vested by the U.S.-based actuarial organizations with the responsibility for promulgating Actuarial Standards of Practice for actuaries providing professional services in the United States. Each of these organizations requires its members, through its Code of Professional Conduct, to observe the Actuarial Standards of Practice when practicing in the United States.

A handwritten signature in black ink, appearing to read "Brett Foster".

Brett Foster, FCAS, MAAA
Manager and Associate Actuary
Actuarial and Economic Services



Iowa

Workers Compensation Rate Filing – June 1, 2018

Disclosures

Purpose of the Report

The purpose of this report is to provide the proposed rates for workers compensation policies, proposed to be effective June 1, 2018. The intended users of this report are:

- The Iowa Department of Insurance
- Affiliated carriers, for their reference in determining workers compensation rates

Scope

Public Law No. 115-97, also known as the Tax Cuts and Jobs Act (“TCJA”), was signed into law on December 22, 2017. As a result, the current rates effective January 1, 2018, in Iowa are proposed to be adjusted to reflect the impact of the TCJA.

Data Sources and Dates

Rate level changes at the classification code level are based on Unit Statistical Data, which is the audited exposure, premium and loss information reported to NCCI on a policy level. In this filing, the Unit Statistical Data is the same as that used in the January 1, 2018, filing. NCCI’s analysis also relies on other data sources, which are reviewed for reasonableness and are referenced in the filing where applicable.

This filing was prepared as of March 20, 2018. Therefore, events that occurred after this date that may have a material impact on workers compensation costs in this jurisdiction have not been considered in the analysis.

Risks and Uncertainty

This filing includes assumptions and projections concerning the future. As with any prospective analysis, there exists estimation uncertainty in these assumptions and projections. Areas of this analysis subject to estimation uncertainty that could have a material impact on the final results include the following:

- Expected insurance cash flow patterns
- Financial Inputs
- Potential impact of future tax regulations and/or TCJA guidance

In addition, any future changes to workers compensation law or regulations that apply retroactively to policies or benefit claims on policies in the proposed effective period may have a significant impact on the adequacy of the rates proposed in this filing.



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Part 1 Filing Overview

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Workers Compensation Rate Filing – June 1, 2018

Executive Summary

NCCI has conducted an in-depth analysis of the impact of the Tax Cuts and Jobs Act of 2017. Based on upon this analysis, NCCI has proposed an overall average workers compensation voluntary and assigned risk rate level change of -1.9% to become effective June 1, 2018.

<u>Key Components</u>	<u>Percentage Change</u>
Impact of change in Benefits	+ 0.8%
<u>Impact of change in Profit & Contingency</u>	- 2.7%
Proposed Change in Overall Advisory Rate Level	- 1.9%
<u>Impact of change in Assigned Risk Differential</u>	0.0%
Proposed Change in Overall Assigned Risk Rate Level	- 1.9%



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Exhibit I – Analysis of Changes

The Tax Cuts and Jobs Act

Public law no. 115-97, also known as the Tax Cuts and Jobs Act (“TCJA”), was signed into law on December 22, 2017. Various changes in the TCJA impact workers compensation expenses via the Profit and Contingency provision, while the decrease in income tax rates due to the TCJA impacts workers compensation benefit costs in states, including Iowa, that base indemnity payments on spendable wages.

Profit and Contingency Provision

Summary of Tax Changes

NCCI has identified the following elements in the TCJA as relevant to NCCI’s Internal Rate of Return (IRR) Model for ratemaking:

1. The top corporate tax rate decreases from 35% to 21%.
2. The proration provision for tax-exempt income increases from 15% to 25%.
3. The deduction for qualifying dividends decreases from 70% to 50%.
4. Changes to reserve discount factors:
 - a. The discount rate used to determine reserve discounting factors will be based on the High Quality Market (HQM) corporate bond yield curve rather than the mid-Treasury yield curve. In addition, discretionary determination of the discount rate will be based on a lookback period of 60 months.
 - b. The computation of the extension of the loss payment pattern beyond ten years will be based on an average of the payments in the 7th, 8th, and 9th years after the accident year, and will extend for up to the 24th year after the accident year.
5. The deduction for business interest expense is limited to the sum of business interest income, which is the amount of interest includible in gross income, and not to exceed 30% of adjusted taxable income.

Analysis of Tax Changes

Tax changes under the TCJA impact NCCI’s IRR Model through three distinct channels: the tax treatment of underwriting income, the post-tax return on investment (RoI), and the post-tax cost of debt capital.

1. The decrease in the corporate tax rate directly impacts all three channels.
2. The proration provision affects tax treatment of otherwise tax-exempt interest and tax-deductible qualifying dividend income.



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Exhibit I – Analysis of Changes

3. The deduction for qualifying dividends affects the share of qualifying dividends that may be deducted from investment income.
4. The changes to the reserve discount factors affect the timing of federal income taxes on income derived from underwriting.
5. The limitation on the deduction for business interest expense to the sum of business interest income can potentially affect tax timing.

NCCI is implementing tax changes 1 through 4 in its IRR Model in this filing. Currently, it is NCCI's judgment that the limitation on the deductibility of business interest expense (item 5) is likely to produce either no impact or an immaterial impact on the IRR Model, and is not being explicitly incorporated at this time.

Additional Changes and Considerations

In addition, the following updates to the model were made based on information currently available:

- Treasury forecasts used in the RoI and weighted-average cost of capital (WACC), valued as of 4th quarter 2017
- Reserve-to-Surplus ratio

All other standard annual updates, including updated treasury forecasts valued as of 1st quarter 2018, will be incorporated in the IRR Model for inclusion in the 1/1/2019 rate filing.

Absent IRS guidance, there is still uncertainty with respect to how some of the provisions of the TCJA will be implemented. In particular, the IRS has not published discount factors complying with the TCJA. Any additional information from guidance provided at a later time will be reflected in future NCCI rate filings in the state.

In addition, NCCI's IRR Model may not reflect the specific conditions of particular insurance companies writing in the state. NCCI's model contemplates a Workers' Compensation mono-line, wholly U.S. domestic, profitable insurance company, with no subsidiaries and no reinsurance. Therefore, the impact of provision changes such as the base erosion and anti-abuse tax (BEAT) and the alternative minimum tax (AMT) are not part of the NCCI Model.

Note that no potential indirect impacts of the TCJA have been incorporated in this analysis; any of these impacts would be realized through future loss experience and reflected in subsequent NCCI rate filings in the state.

Further information on the updated P&C selection and its impact can be found in Exhibit II, while details of the IRR model can be found in Exhibit III.



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Workers Compensation Rate Filing – June 1, 2018

Exhibit I – Analysis of Changes

Note: The methodology and assumptions used in this filing may not be applicable to or relevant for another purpose, including but not limited to NCCI filings in other jurisdictions.

Spendable Wages

The TCJA of 2017 also lowered most individual income tax rates. This results in lower taxes and higher net pay or “spendable wages,” on average. Spendable wages, rather than gross wages, are the basis for indemnity benefits for injured workers in Iowa. Therefore, all else equal, higher spendable wages will lead to higher WC benefits.

Further information on the calculation and impact of this change can be found in Exhibit IV.



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Workers Compensation Rate Filing – June 1, 2018

Exhibit II – Workers Compensation Expense Program

Comparison of Proposed and Current Expense Provisions

Overhead expense provisions are itemized below. These figures are expressed as percentages of standard premium (excluding expense constant) and are indicative of the expenses of the first \$10,000 of policy premium. Taken together these allowances represent that portion of the standard premium dollar necessary to operate the benefit system. The complementary portion corresponds to the portion of the premium dollar available to finance benefits, loss adjustment expenses and loss-based assessments, if applicable. It is referred to as the "target cost ratio."

	Expense Provisions Underlying Current Rates	Expense Provisions Underlying Proposed Rates
(1) Expense Constant	\$160	\$160
(2) Production Expense	18.3%	18.3%
(3) General Expense	5.0%	5.0%
(4) Taxes, Licenses and Fees (other than Federal Income Tax)		
Premium Tax	1.0%	1.0%
Miscellaneous	0.3%	0.3%
Second Injury Fund	1.0%	1.0%
Total	2.3%	2.3%
(5) Profit and Contingency Provision	2.0%	0.0%
(6) Total Overhead Provisions (2)+(3)+(4)+(5)	27.6%	25.6%
(7) Target Cost Ratio [100% - (6)]	72.4%	74.4%
(8) Loss Adjustment Expense	15.4%	15.4%
(9) Loss-based Assessment	0.0%	0.0%
(10) Permissible Loss Ratio (7) / [1+(8)+(9)]	62.7%	64.5%
(11) Impact of Change in Profit and Contingency Provision [Current (7) / Proposed (7)] - 1.0		-2.7%



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 Workers Compensation Rate Filing – June 1, 2018
 Exhibit III – Internal Rate of Return Model

Overview

According to actuarial principles, insurance rates must be determined such that insurers can be expected to earn an appropriate rate of return. Analysis and determination of a profit and contingency (P&C) provision is necessary to ensure this objective is achieved. To determine the profit and contingency provision, NCCI first uses market-based financial methods to estimate the rate of return (also known as the cost of capital) required by investors of securities with a similar risk profile to workers compensation insurance. NCCI then performs an Internal Rate of Return (IRR) analysis to estimate the profit and contingency provision that needs to be included in the proposed rates for insurers to earn the cost of capital, after accounting for investment income.

The IRR model is based on the principle that the internal rate of return from an investment opportunity equals the investor's cost of capital if the sum of all cash flows from that investment, discounted at the cost of capital, equals zero. In the case of workers compensation insurance, cash flows to the capital providers are comprised of insurance cash flows, investment income, and commitment and release of capital in support of the insurance transaction.

- Insurance cash flows consist of premiums earned less payments for expenses, losses, loss adjustment expenses (LAE), and federal income taxes. These cash flows are estimated based on the provisions included in this proposed rate filing.
- Investment income on reserves and surplus depends on an after-tax return on investment (RoI), which is estimated using a combination of current financial market data and forecasts.
- The cost of capital used is a weighted average cost of capital (WACC), which takes into account both debt and equity components of a representative insurer's capital structure.

IRR Model Inputs and Results

The model estimates the P&C provision necessary in order for the proposed rates to cover the cost of capital. The P&C provision is estimated using two different assumptions regarding the return on investment and cost of capital:

- The "Static" estimate of the P&C provision assumes that the return on investment and the WACC do not change over time, but remain static at their indicated market values at the time the model was run.
- The "Dynamic" estimate assumes that the return on investment and WACC vary over time. The investment portfolio is assumed to be reinvested at future forecasted yields as securities mature, and WACC varies to reflect future expected costs of equity and debt. The starting point for the Dynamic estimates is January 1, 2018.

The following table summarizes the inputs and results of the model under these two scenarios.

TABLE 1: IRR MODEL INPUTS AND RESULTS

<u>Inputs:</u>			
(1)	Expenses and Taxes as a Percentage of Net Premium at NCCI Level		19.70%
(2)	Reserve-to-Surplus Ratio		1.83
(3)	Cash Flow Patterns		See Table 2
		<u>Static</u>	<u>Dynamic*</u>
(4)	Return on Investments	2.83%	3.08% - 4.61%
(5)	Weighted Average Cost of Capital	7.48%	7.76% - 9.48%
<u>Results</u>			
		<u>Static</u>	<u>Dynamic</u>
(6)	Indicated Profit and Contingency Provision	0.63%	-0.51%
(7)	Loss and Loss Adjustment Expense Provision [100% - (6) - (1)]	79.67%	80.81%

Table Notes:

It is assumed that no policyholders dividends are paid and that there are no rate departures (deviations or schedule rating).

(1) Expense provisions and taxes derived from the filing.

(2) Calculated from Best's 2017 Aggregates & Averages, for Commercial Casualty Composite, as the weighted average of Loss, LAE, and Unearned Premium Reserves to Policyholder Surplus, for years 2012 - 2016.

* See Table 3 for details by time period.



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Exhibit III – Internal Rate of Return Model

TABLE 2: CASH FLOW PATTERNS (CUMULATIVE)

Time	(1) Policy-Year Collected Premium	(2) Earned Premium	(3) Written Premium	(4) Expenses and Taxes	(5) Paid Losses and LAE
0.00	-	-	-	-	-
0.25	12.13%	3.51%	28.10%	10.90%	0.75%
0.50	28.70%	13.65%	53.00%	28.32%	2.92%
0.75	51.31%	30.04%	78.10%	51.18%	6.43%
1.00	74.97%	52.30%	100.00%	72.44%	11.20%
1.25	88.71%	73.79%		84.78%	19.55%
1.50	96.79%	88.65%		92.04%	27.90%
1.75	100.00%	97.26%		100.00%	36.25%
2.00		100.00%			44.60%
2.25					49.10%
2.50					53.60%
2.75					58.10%
3.00					62.60%
3.25					65.25%
3.50					67.90%
3.75					70.55%
4.00					73.20%
4.25					74.75%
4.50					76.30%
4.75					77.85%
5.00					79.40%
6.00					82.80%
7.00					85.10%
8.00					86.80%
9.00					87.90%
10.00					88.70%
11.00					89.50%
12.00					89.90%
13.00					90.40%
14.00					90.80%
15.00					91.50%
16.00					91.90%
17.00					92.20%
18.00					92.70%
19.00					92.90%
20.00					93.10%
21.00					93.30%
22.00					93.40%
23.00					93.70%
24.00					94.10%
25.00					94.40%
26.00					94.50%
27.00					94.70%
28.00					94.90%
29.00					95.30%
30.00					96.19%
31.00					97.03%
32.00					97.83%
33.00					98.59%
34.00					99.32%
35.00					100.00%

**TABLE 3: DYNAMIC ESTIMATE
INPUTS**

Time	(1) Return on Investments	(2) Weighted Average Cost of Capital
0.00	-	-
0.25	3.08%	7.76%
0.50	3.13%	8.07%
0.75	3.22%	8.35%
1.00	3.27%	8.64%
1.25	3.40%	8.95%
1.50	3.44%	9.18%
1.75	3.54%	9.30%
2.00	3.55%	9.31%
2.25	3.57%	9.29%
2.50	3.56%	9.26%
2.75	3.95%	9.22%
3.00	3.94%	9.19%
3.25	3.93%	9.19%
3.50	3.93%	9.23%
3.75	3.92%	9.28%
4.00	3.92%	9.31%
4.25	3.89%	9.33%
4.50	3.89%	9.35%
4.75	3.85%	9.26%
5.00	3.85%	9.21%
6.00	3.82%	9.25%
7.00	3.86%	9.33%
8.00	4.15%	9.49%
9.00	4.43%	9.70%
10.00	4.43%	9.72%
11.00	4.42%	9.65%
12.00	4.39%	9.57%
13.00	4.36%	9.53%
14.00	4.33%	9.50%
15.00	4.34%	9.49%
16.00	4.50%	9.47%
17.00	4.50%	9.46%
18.00	4.51%	9.46%
19.00	4.51%	9.46%
20.00	4.52%	9.46%
21.00	4.61%	9.47%
22.00	4.61%	9.47%
23.00	4.62%	9.48%
24.00	4.62%	9.48%
25.00	4.62%	9.48%
26.00	4.62%	9.48%
27.00	4.62%	9.48%
28.00	4.62%	9.48%
29.00	4.62%	9.48%
30.00	4.62%	9.48%
31.00	4.61%	9.48%
32.00	4.61%	9.48%
33.00	4.61%	9.48%
34.00	4.61%	9.48%
35.00	4.61%	9.48%

Table 2 Notes:

Table 2 shows cumulative cash flows. For ease of reading no additional numbers are shown after a column reaches 100% cumulative cash flow.

- (1) Derived from estimates of premium distribution and payment terms by size of policy.
- (2) Based on written premium pattern assuming uniform writings within quarters and standard quarterly earning pattern.
- (3) Based on this jurisdiction's premium writings by quarter.
- (4) Expenses assumed paid as premium is collected; timing of taxes based on NCCI's Tax and Assessment Directory.
- (5) Derived from loss development data underlying this rate filing. Payouts for the first 29 years are based upon the ratio of paid losses to incurred losses from the most recent 29 policy years for which data is available. For the following years, loss payouts are assumed to trail off geometrically, with an adjustment so that the payout will be complete at 35 years.



Calculation Details

The tables in the following pages show the detailed calculations of the IRR model.

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Static Estimate

Table 4: Derivation of Insurance Cash Flows

Table 5: Derivation of Cash Flows to the Capital Providers

Dynamic Estimate

Table 6: Derivation of Insurance Cash Flows

Table 7: Derivation of Cash Flows to the Capital Providers

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Appendix A: Calculation of Weighted Average Cost of Capital and Return on Investments

Table A.1: Calculation of Weighted Average Cost of Capital

Table A.2: Calculation of Return on Investments

Appendix B: Federal Income Tax Incurred from Insurance Operations

Table B.1: Federal Income Tax Calculation (Static Estimate)

Table B.2: Federal Income Tax Calculation (Dynamic Estimate)

Appendix C: Reserve-to-Surplus Ratio

Note: Although values are displayed to 4 decimal places in the following tables, the calculations themselves are carried to the full precision of the computer.



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 Exhibit III – Internal Rate of Return Model

Calculation Details - Static Estimate

TABLE 4: DERIVATION OF INSURANCE CASH FLOW (STATIC ESTIMATE)

Time	(1) Collected Premium Factor	(2) Expense and Taxes Factor	(3) Paid Losses and LAE Factor	(4) Federal Income Tax Factor	(5) Insurance Cash flow Factor
0.00	-	-	-	-	-
0.25	0.1213	0.0215	0.0060	0.0058	0.0880
0.50	0.2870	0.0558	0.0233	0.0116	0.1963
0.75	0.5131	0.1008	0.0512	0.0174	0.3436
1.00	0.7497	0.1427	0.0892	0.0233	0.4945
1.25	0.8871	0.1670	0.1558	0.0204	0.5439
1.50	0.9679	0.1813	0.2223	0.0176	0.5467
1.75	1.0000	0.1970	0.2888	0.0147	0.4995
2.00	1.0000	0.1970	0.3553	0.0118	0.4358
2.25	1.0000	0.1970	0.3912	0.0112	0.4006
2.50	1.0000	0.1970	0.4270	0.0105	0.3654
2.75	1.0000	0.1970	0.4629	0.0099	0.3302
3.00	1.0000	0.1970	0.4987	0.0092	0.2950
3.25	1.0000	0.1970	0.5198	0.0088	0.2744
3.50	1.0000	0.1970	0.5410	0.0083	0.2537
3.75	1.0000	0.1970	0.5621	0.0079	0.2330
4.00	1.0000	0.1970	0.5832	0.0075	0.2123
4.25	1.0000	0.1970	0.5955	0.0072	0.2003
4.50	1.0000	0.1970	0.6079	0.0069	0.1882
4.75	1.0000	0.1970	0.6202	0.0067	0.1761
5.00	1.0000	0.1970	0.6326	0.0064	0.1640
6.00	1.0000	0.1970	0.6597	0.0057	0.1376
7.00	1.0000	0.1970	0.6780	0.0051	0.1199
8.00	1.0000	0.1970	0.6915	0.0046	0.1069
9.00	1.0000	0.1970	0.7003	0.0042	0.0985
10.00	1.0000	0.1970	0.7067	0.0038	0.0926
11.00	1.0000	0.1970	0.7130	0.0033	0.0866
12.00	1.0000	0.1970	0.7162	0.0031	0.0837
13.00	1.0000	0.1970	0.7202	0.0028	0.0800
14.00	1.0000	0.1970	0.7234	0.0026	0.0770
15.00	1.0000	0.1970	0.7290	0.0023	0.0717
16.00	1.0000	0.1970	0.7322	0.0021	0.0687
17.00	1.0000	0.1970	0.7346	0.0019	0.0665
18.00	1.0000	0.1970	0.7385	0.0017	0.0627
19.00	1.0000	0.1970	0.7401	0.0016	0.0613
20.00	1.0000	0.1970	0.7417	0.0015	0.0598
21.00	1.0000	0.1970	0.7433	0.0015	0.0582
22.00	1.0000	0.1970	0.7441	0.0015	0.0574
23.00	1.0000	0.1970	0.7465	0.0015	0.0550
24.00	1.0000	0.1970	0.7497	0.0015	0.0519
25.00	1.0000	0.1970	0.7521	0.0014	0.0495
26.00	1.0000	0.1970	0.7529	0.0014	0.0487
27.00	1.0000	0.1970	0.7545	0.0014	0.0471
28.00	1.0000	0.1970	0.7561	0.0014	0.0455
29.00	1.0000	0.1970	0.7593	0.0014	0.0423
30.00	1.0000	0.1970	0.7663	0.0014	0.0353
31.00	1.0000	0.1970	0.7731	0.0014	0.0286
32.00	1.0000	0.1970	0.7794	0.0014	0.0222
33.00	1.0000	0.1970	0.7855	0.0014	0.0161
34.00	1.0000	0.1970	0.7912	0.0013	0.0104
35.00	1.0000	0.1970	0.7967	0.0013	0.0050

Column Notes:

- (1) is Collected Premium by time period, expressed as a factor, = Table 2 col (1)
- (2) is Expenses and Taxes by time period, expressed as a factor, = Table 1 row (1) x Table 2 col (4)
- (3) is Paid Losses and LAE by time period, expressed as a factor, = Table 1 row (7, Static) x Table 2 col (5)
- (4) per the Tax Cuts and Jobs Act of 2017, federal income taxes are computed as the tax rate (21%) times the adjusted underwriting income calculated per IRS rules. See Appendix B for details.
- (5) is the Total Insurance Cash Flow by time period, expressed as a factor, = (1) - [(2) + (3) + (4)]



Calculation Details - Static Estimate (continued)

TABLE 5: DERIVATION OF CASH FLOWS TO THE CAPITAL PROVIDERS (STATIC ESTIMATE)

Time	(1) Unearned Premium, Unpaid Loss and Unpaid LAE Reserve Factor	(2) Factor for Surplus Allocated to Reserves	(3) Total Invested Funds Factor	(4) Income from Invested Funds Factor	(5) Capital Provider Equity Factor	(6) Capital Provider Cash Flow Factor	(7) Discounted Capital Provider Cash Flow Factor
0.00	-	-	-	-	-	-	-
0.25	0.2679	0.1464	0.2545	0.0009	(0.1656)	(0.1656)	(0.1641)
0.50	0.4790	0.2617	0.4977	0.0035	(0.2979)	(0.1323)	(0.1287)
0.75	0.6687	0.3654	0.7662	0.0080	(0.4146)	(0.1168)	(0.1116)
1.00	0.8044	0.4396	0.9938	0.0141	(0.4851)	(0.0705)	(0.0661)
1.25	0.6942	0.3794	0.9607	0.0210	(0.3958)	0.0893	0.0823
1.50	0.5975	0.3265	0.8919	0.0275	(0.3177)	0.0781	0.0707
1.75	0.5135	0.2806	0.7940	0.0334	(0.2612)	0.0565	0.0503
2.00	0.4414	0.2412	0.6826	0.0385	(0.2082)	0.0530	0.0463
2.25	0.4055	0.2216	0.6271	0.0431	(0.1834)	0.0248	0.0213
2.50	0.3697	0.2020	0.5717	0.0473	(0.1589)	0.0244	0.0206
2.75	0.3338	0.1824	0.5162	0.0511	(0.1349)	0.0241	0.0199
3.00	0.2980	0.1628	0.4608	0.0545	(0.1112)	0.0237	0.0192
3.25	0.2769	0.1513	0.4281	0.0577	(0.0961)	0.0151	0.0120
3.50	0.2557	0.1397	0.3955	0.0605	(0.0813)	0.0149	0.0116
3.75	0.2346	0.1282	0.3628	0.0632	(0.0666)	0.0146	0.0113
4.00	0.2135	0.1167	0.3302	0.0656	(0.0522)	0.0144	0.0109
4.25	0.2012	0.1099	0.3111	0.0679	(0.0430)	0.0093	0.0069
4.50	0.1888	0.1032	0.2920	0.0700	(0.0338)	0.0091	0.0067
4.75	0.1765	0.0964	0.2729	0.0720	(0.0248)	0.0090	0.0064
5.00	0.1641	0.0897	0.2538	0.0738	(0.0160)	0.0089	0.0062
6.00	0.1370	0.0749	0.2119	0.0804	0.0061	0.0221	0.0149
7.00	0.1187	0.0649	0.1836	0.0860	0.0223	0.0162	0.0101
8.00	0.1052	0.0575	0.1626	0.0909	0.0352	0.0129	0.0075
9.00	0.0964	0.0527	0.1491	0.0953	0.0448	0.0096	0.0052
10.00	0.0900	0.0492	0.1392	0.0994	0.0527	0.0080	0.0040
11.00	0.0837	0.0457	0.1294	0.1032	0.0604	0.0077	0.0036
12.00	0.0805	0.0440	0.1244	0.1068	0.0660	0.0056	0.0024
13.00	0.0765	0.0418	0.1183	0.1102	0.0719	0.0059	0.0024
14.00	0.0733	0.0401	0.1133	0.1135	0.0772	0.0053	0.0020
15.00	0.0677	0.0370	0.1047	0.1166	0.0836	0.0064	0.0022
16.00	0.0645	0.0353	0.0998	0.1195	0.0884	0.0048	0.0016
17.00	0.0621	0.0340	0.0961	0.1223	0.0927	0.0043	0.0013
18.00	0.0582	0.0318	0.0899	0.1249	0.0977	0.0050	0.0014
19.00	0.0566	0.0309	0.0875	0.1274	0.1012	0.0035	0.0009
20.00	0.0550	0.0300	0.0850	0.1299	0.1046	0.0034	0.0008
21.00	0.0534	0.0292	0.0825	0.1322	0.1079	0.0033	0.0007
22.00	0.0526	0.0287	0.0813	0.1345	0.1106	0.0028	0.0006
23.00	0.0502	0.0274	0.0776	0.1368	0.1142	0.0036	0.0007
24.00	0.0470	0.0257	0.0727	0.1389	0.1181	0.0039	0.0007
25.00	0.0446	0.0244	0.0690	0.1409	0.1214	0.0033	0.0006
26.00	0.0438	0.0239	0.0678	0.1429	0.1238	0.0024	0.0004
27.00	0.0422	0.0231	0.0653	0.1447	0.1265	0.0028	0.0004
28.00	0.0406	0.0222	0.0628	0.1466	0.1292	0.0027	0.0004
29.00	0.0374	0.0205	0.0579	0.1483	0.1327	0.0035	0.0004
30.00	0.0304	0.0166	0.0470	0.1498	0.1381	0.0054	0.0006
31.00	0.0236	0.0129	0.0366	0.1509	0.1429	0.0049	0.0005
32.00	0.0173	0.0094	0.0267	0.1518	0.1473	0.0044	0.0005
33.00	0.0112	0.0061	0.0173	0.1525	0.1513	0.0039	0.0004
34.00	0.0055	0.0030	0.0084	0.1528	0.1548	0.0035	0.0003
35.00	-	-	-	0.1529	0.1579	0.0031	0.0003

Column Notes:

- (1) is Unearned Premium Reserve (equal to Written Premium minus Earned Premium, per the cashflow pattern) plus Unpaid Loss and LAE Reserve (equal to Incurred minus Paid Losses and LAE) by time period, expressed as a factor,
= [Table 2 col (3) - Table 2 col (2)] + Table 1 row (7, Static) x [Table 2 col (2) - Table 2 col (5)]
- (2) is the Surplus derived from Reserves per the Reserve-to-Surplus Ratio by time period, expressed as a factor, = (1) / Table 1 row (2)
- (3) is Reserves plus Surplus minus Agent Balances by time period, expressed as a factor, = (1) + (2) - Agent Balances. Agent Balances exist when Written Premium exceeds Collected Premium, = [Table 2 col (3) - Table 2 col (1)].
- (4) is derived by applying the Return on Investments [Table 1 row (4, Static)] to the average Invested Funds (4) from the previous and current time periods, plus previous Income from Invested Funds, by time period expressed as a factor.
- (5) is Insurance Cash Flow plus Income from Invested Funds minus Total Invested Funds by time period, expressed as a factor,
= Table 4 col (5) + (4) - (3)
- (6) is the difference between Capital Provider Equity (5) at the current and previous time periods, expressed as a factor
- (7) is the Capital Provider Cash Flow (6) discounted by the Weighted Average Cost of Capital [Table 1 row (5, Static)], expressed as a factor



Iowa
Workers Compensation Rate Filing – June 1, 2018
Exhibit III – Internal Rate of Return Model

Calculation Details - Dynamic Estimate

TABLE 6: DERIVATION OF INSURANCE CASH FLOW (DYNAMIC ESTIMATE)

Time	(1) Collected Premium Factor	(2) Expense and Taxes Factor	(3) Paid Losses and LAE Factor	(4) Federal Income Tax Factor	(5) Insurance Cash flow Factor
0.00	-	-	-	-	-
0.25	0.1213	0.0215	0.0061	0.0055	0.0882
0.50	0.2870	0.0558	0.0236	0.0111	0.1965
0.75	0.5131	0.1008	0.0520	0.0166	0.3437
1.00	0.7497	0.1427	0.0905	0.0222	0.4944
1.25	0.8871	0.1670	0.1580	0.0190	0.5431
1.50	0.9679	0.1813	0.2255	0.0159	0.5452
1.75	1.0000	0.1970	0.2929	0.0127	0.4973
2.00	1.0000	0.1970	0.3604	0.0096	0.4330
2.25	1.0000	0.1970	0.3968	0.0089	0.3973
2.50	1.0000	0.1970	0.4331	0.0083	0.3616
2.75	1.0000	0.1970	0.4695	0.0076	0.3259
3.00	1.0000	0.1970	0.5059	0.0069	0.2902
3.25	1.0000	0.1970	0.5273	0.0065	0.2692
3.50	1.0000	0.1970	0.5487	0.0061	0.2482
3.75	1.0000	0.1970	0.5701	0.0056	0.2273
4.00	1.0000	0.1970	0.5915	0.0052	0.2063
4.25	1.0000	0.1970	0.6041	0.0049	0.1940
4.50	1.0000	0.1970	0.6166	0.0046	0.1818
4.75	1.0000	0.1970	0.6291	0.0043	0.1695
5.00	1.0000	0.1970	0.6416	0.0041	0.1573
6.00	1.0000	0.1970	0.6691	0.0034	0.1305
7.00	1.0000	0.1970	0.6877	0.0028	0.1125
8.00	1.0000	0.1970	0.7014	0.0022	0.0993
9.00	1.0000	0.1970	0.7103	0.0018	0.0909
10.00	1.0000	0.1970	0.7168	0.0014	0.0848
11.00	1.0000	0.1970	0.7233	0.0010	0.0788
12.00	1.0000	0.1970	0.7265	0.0007	0.0758
13.00	1.0000	0.1970	0.7305	0.0004	0.0720
14.00	1.0000	0.1970	0.7338	0.0002	0.0690
15.00	1.0000	0.1970	0.7394	(0.0001)	0.0636
16.00	1.0000	0.1970	0.7427	(0.0003)	0.0606
17.00	1.0000	0.1970	0.7451	(0.0005)	0.0584
18.00	1.0000	0.1970	0.7491	(0.0007)	0.0545
19.00	1.0000	0.1970	0.7507	(0.0008)	0.0531
20.00	1.0000	0.1970	0.7524	(0.0009)	0.0516
21.00	1.0000	0.1970	0.7540	(0.0009)	0.0500
22.00	1.0000	0.1970	0.7548	(0.0009)	0.0491
23.00	1.0000	0.1970	0.7572	(0.0009)	0.0467
24.00	1.0000	0.1970	0.7604	(0.0009)	0.0435
25.00	1.0000	0.1970	0.7629	(0.0010)	0.0411
26.00	1.0000	0.1970	0.7637	(0.0010)	0.0403
27.00	1.0000	0.1970	0.7653	(0.0010)	0.0387
28.00	1.0000	0.1970	0.7669	(0.0010)	0.0371
29.00	1.0000	0.1970	0.7701	(0.0010)	0.0338
30.00	1.0000	0.1970	0.7773	(0.0010)	0.0267
31.00	1.0000	0.1970	0.7841	(0.0010)	0.0199
32.00	1.0000	0.1970	0.7906	(0.0010)	0.0134
33.00	1.0000	0.1970	0.7968	(0.0010)	0.0073
34.00	1.0000	0.1970	0.8026	(0.0011)	0.0015
35.00	1.0000	0.1970	0.8081	(0.0011)	(0.0040)

Column Notes:

- (1) is Collected Premium by time period, expressed as a factor, = Table 2 col (1)
- (2) is Expenses and Taxes by time period, expressed as a factor, = Table 1 row (1) x Table 2 col (4)
- (3) is Paid Losses and LAE by time period, expressed as a factor, = Table 1 row (7, Dynamic) x Table 2 col (5)
- (4) per the Tax Cuts and Jobs Act of 2017, federal income taxes are computed as the tax rate (21%) times the adjusted underwriting income calculated per IRS rules. See Appendix B for details.
- (5) is the Total Insurance Cash Flow by time period, expressed as a factor, = (1) - [(2) + (3) + (4)]



Calculation Details - Dynamic Estimate (continued)

TABLE 7: DERIVATION OF CASH FLOWS TO THE CAPITAL PROVIDERS (DYNAMIC ESTIMATE)

Time	(1) Unearned Premium, Unpaid Loss and Unpaid LAE Reserve Factor	(2) Factor for Surplus Allocated to Reserves	(3) Total Invested Funds Factor	(4) Income from Invested Funds Factor	(5) Capital Provider Equity Factor	(6) Capital Provider Cash Flow Factor	(7) Cumulative Discount Factor	(8) Discounted Capital Provider Cash Flow Factor
0.00	-	-	-	-	-	-	-	-
0.25	0.2682	0.1465	0.2550	0.0010	(0.1658)	(0.1658)	0.9907	(0.1643)
0.50	0.4802	0.2624	0.4996	0.0039	(0.2992)	(0.1334)	0.9717	(0.1296)
0.75	0.6714	0.3669	0.7704	0.0089	(0.4177)	(0.1185)	0.9524	(0.1129)
1.00	0.8091	0.4422	1.0010	0.0161	(0.4906)	(0.0728)	0.9329	(0.0679)
1.25	0.7004	0.3827	0.9703	0.0244	(0.4028)	0.0877	0.9131	0.0801
1.50	0.6044	0.3303	0.9026	0.0323	(0.3251)	0.0778	0.8932	0.0695
1.75	0.5204	0.2844	0.8048	0.0398	(0.2677)	0.0573	0.8736	0.0501
2.00	0.4477	0.2446	0.6923	0.0463	(0.2130)	0.0547	0.8544	0.0467
2.25	0.4113	0.2248	0.6361	0.0522	(0.1866)	0.0264	0.8356	0.0220
2.50	0.3750	0.2049	0.5799	0.0575	(0.1608)	0.0259	0.8173	0.0212
2.75	0.3386	0.1850	0.5236	0.0629	(0.1349)	0.0259	0.7995	0.0207
3.00	0.3022	0.1652	0.4674	0.0677	(0.1095)	0.0254	0.7821	0.0198
3.25	0.2808	0.1535	0.4343	0.0721	(0.0930)	0.0165	0.7651	0.0126
3.50	0.2594	0.1418	0.4012	0.0761	(0.0768)	0.0162	0.7484	0.0121
3.75	0.2380	0.1300	0.3680	0.0798	(0.0609)	0.0159	0.7320	0.0116
4.00	0.2166	0.1183	0.3349	0.0832	(0.0454)	0.0155	0.7159	0.0111
4.25	0.2040	0.1115	0.3156	0.0864	(0.0352)	0.0102	0.7001	0.0072
4.50	0.1915	0.1047	0.2962	0.0893	(0.0251)	0.0101	0.6846	0.0069
4.75	0.1790	0.0978	0.2768	0.0920	(0.0153)	0.0098	0.6696	0.0066
5.00	0.1665	0.0910	0.2574	0.0945	(0.0056)	0.0097	0.6550	0.0063
6.00	0.1390	0.0760	0.2149	0.1036	0.0191	0.0247	0.6198	0.0153
7.00	0.1204	0.0658	0.1862	0.1113	0.0376	0.0185	0.5669	0.0105
8.00	0.1067	0.0583	0.1650	0.1186	0.0529	0.0154	0.5178	0.0079
9.00	0.0978	0.0534	0.1512	0.1256	0.0652	0.0123	0.4720	0.0058
10.00	0.0913	0.0499	0.1412	0.1321	0.0756	0.0104	0.4302	0.0045
11.00	0.0849	0.0464	0.1312	0.1381	0.0856	0.0100	0.3923	0.0039
12.00	0.0816	0.0446	0.1262	0.1437	0.0933	0.0077	0.3580	0.0028
13.00	0.0776	0.0424	0.1200	0.1491	0.1012	0.0078	0.3269	0.0026
14.00	0.0743	0.0406	0.1150	0.1542	0.1083	0.0071	0.2985	0.0021
15.00	0.0687	0.0375	0.1062	0.1590	0.1164	0.0082	0.2727	0.0022
16.00	0.0655	0.0358	0.1012	0.1637	0.1231	0.0066	0.2491	0.0017
17.00	0.0630	0.0344	0.0975	0.1681	0.1290	0.0060	0.2275	0.0014
18.00	0.0590	0.0322	0.0912	0.1724	0.1357	0.0067	0.2079	0.0014
19.00	0.0574	0.0314	0.0887	0.1765	0.1408	0.0051	0.1899	0.0010
20.00	0.0558	0.0305	0.0862	0.1804	0.1457	0.0049	0.1735	0.0009
21.00	0.0541	0.0296	0.0837	0.1843	0.1505	0.0048	0.1585	0.0008
22.00	0.0533	0.0291	0.0825	0.1882	0.1548	0.0043	0.1448	0.0006
23.00	0.0509	0.0278	0.0787	0.1919	0.1599	0.0051	0.1322	0.0007
24.00	0.0477	0.0261	0.0737	0.1954	0.1652	0.0053	0.1208	0.0006
25.00	0.0453	0.0247	0.0700	0.1987	0.1698	0.0046	0.1103	0.0005
26.00	0.0444	0.0243	0.0687	0.2019	0.1735	0.0036	0.1008	0.0004
27.00	0.0428	0.0234	0.0662	0.2050	0.1775	0.0040	0.0920	0.0004
28.00	0.0412	0.0225	0.0637	0.2080	0.1814	0.0039	0.0841	0.0003
29.00	0.0380	0.0208	0.0587	0.2109	0.1860	0.0046	0.0768	0.0004
30.00	0.0308	0.0168	0.0476	0.2133	0.1924	0.0064	0.0701	0.0004
31.00	0.0240	0.0131	0.0371	0.2153	0.1980	0.0057	0.0641	0.0004
32.00	0.0175	0.0096	0.0271	0.2167	0.2031	0.0050	0.0585	0.0003
33.00	0.0114	0.0062	0.0176	0.2178	0.2075	0.0044	0.0534	0.0002
34.00	0.0055	0.0030	0.0086	0.2184	0.2113	0.0038	0.0488	0.0002
35.00	-	-	-	0.2186	0.2145	0.0032	0.0446	0.0001

Column Notes:

- (1) is Unearned Premium Reserve (equal to Written Premium minus Earned Premium, per the cashflow pattern) plus Unpaid Loss and LAE Reserve (equal to Incurred minus Paid Losses and LAE) by time period, expressed as a factor,
= [Table 2 col (3) - Table 2 col (2)] + Table 1 row (7, Dynamic) x [Table 2 col (2) - Table 2 col (5)]
- (2) is the Surplus derived from Reserves per the Reserve-to-Surplus Ratio by time period, expressed as a factor, = (1) / Table 1 row (2)
- (3) is Reserves plus Surplus minus Agent Balances by time period, expressed as a factor, = (1) + (2) - Agent Balances. Agent Balances exist when Written Premium exceeds Collected Premium, = [Table 2 col (3) - Table 2 col (1)].
- (4) is derived by applying the Return on Investments [Table 3 col (1)] to the average Invested Funds (4) from the previous and current time periods, plus previous Income from Invested Funds, by time period expressed as a factor.
- (5) is Insurance Cash Flow plus Income from Invested Funds minus Total Invested Funds by time period, expressed as a factor,
= Table 6 col (5) + (4) - (3)
- (6) is the difference between Capital Provider Equity (5) at the current and previous time periods, expressed as a factor
- (7) is derived from the respective Weighted Average Cost of Capital [Table 3 col (2)] for each time period, expressed as a factor
- (8) is the Capital Provider Cash Flow (6) discounted by the Cumulative Discount Factor (7), expressed as a factor



Iowa
 Workers Compensation Rate Filing – June 1, 2018
 Exhibit III – Internal Rate of Return Model

APPENDIX A: CALCULATION OF WEIGHTED AVERAGE COST OF CAPITAL AND RETURN ON INVESTMENTS

The calculation of the Weighted Average Cost of Capital (WACC) is shown in Table A.1, and the calculation of the Return on Investments (RoI) is shown in Table A.2. The calculation for the Static estimate is shown in each. Calculations of the WACC and RoI under the Dynamic estimate for time periods 1, 2, and 5 are also provided for illustrative purposes. Note that the IRR model under the Dynamic estimate includes estimates of the WACC and RoI on a quarterly basis for the first five years and annually thereafter.

TABLE A.1: CALCULATION OF WEIGHTED AVERAGE COST OF CAPITAL

	Static	IRR Model Time (yrs)		
		1.00	2.00	5.00
(1) 5 year US T-note Yield	2.07%	3.27%	3.97%	3.87%
(2) US Equity Market Risk Premium	7.51%			
(3) Beta for Property/Casualty (P/C) Insurers	0.86			
(4) Equity Cost of Capital for P/C Insurers	8.53%	9.73%	10.43%	10.33%
(5) Share of Equity Capital for P/C Insurers	82%			
(6) Debt Cost of Capital for P/C Insurers	2.69%	3.64%	4.19%	4.12%
(7) Weighted Average Cost of Capital (WACC)	7.48%	8.64%	9.31%	9.21%

Column Notes:

- (1) Forward estimates of the 5-year US T-note yield are from Moody's forecasts and apply only to the Dynamic estimate of the WACC. Time periods provided are illustrative; the full model includes estimates on a quarterly basis for the first five years and annually thereafter.
- (3) & (5) P/C beta and share of equity capital are estimated from historical data for a collection of insurers with publicly traded equity and debt.
- (4) = (1) + (2) x (3)
- (6) P/C debt cost of capital is the sum of the 5-year US T-note yield plus the historical corporate spread, net of income tax.
- (7) = (4) x (5) + (6) x [1 - (5)]



APPENDIX A: CALCULATION OF WEIGHTED AVERAGE COST OF CAPITAL AND RETURN ON INVESTMENTS (CONTINUED)

TABLE A.2 CALCULATION OF RETURN ON INVESTMENTS

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Security Description	Investment Portfolio	Yield Curve, Maturity and Spread	Roll-over Period	Income Tax Rate	Post-tax Return			
					IRR Model Time (yrs)			
					Static	1.00	2.00	5.00
Bonds, of which	73.8%							
Government Direct Obligations	6.8%							
< 1yr	1.9%	6 mo US T-bill	0.50 yrs	21.00%	1.08%	1.52%	2.70%	2.25%
1 – 5 yrs	2.9%	2.5 yr US T-note	2.50 yrs	21.00%	1.39%	1.59%	1.59%	2.96%
5 – 10 yrs	1.3%	7.5 yr US T-note	7.50 yrs	21.00%	1.79%	2.04%	2.04%	2.04%
10 – 20 yrs	0.3%	15 yr US T-note	15.00 yrs	21.00%	1.97%	2.39%	2.39%	2.39%
> 20 yrs	0.4%	20 yr US T-note	20.00 yrs	21.00%	2.07%	2.65%	2.65%	2.65%
Collateralized Securities	6.8%							
< 1yr	0.9%	6 mo US T-bill + 50 basis points	0.50 yrs	21.00%	1.48%	1.92%	3.10%	2.65%
1 – 5 yrs	2.6%	2.5 yr US T-note + 50 basis points	2.50 yrs	21.00%	1.78%	1.98%	1.98%	3.35%
5 – 10 yrs	1.8%	7.5 yr US T-note + 50 basis points	7.50 yrs	21.00%	2.19%	2.44%	2.44%	2.44%
10 – 20 yrs	1.1%	15 yr US T-note + 50 basis points	15.00 yrs	21.00%	2.37%	2.79%	2.79%	2.79%
> 20 yrs	0.4%	20 yr US T-note + 50 basis points	20.00 yrs	21.00%	2.46%	3.05%	3.05%	3.05%
Tax-exempt Bonds	25.5%							
< 1yr	2.2%	6 mo US T-bill + Tax-exempt spread	0.50 yrs	5.25%	1.42%	1.95%	3.37%	2.83%
1 – 5 yrs	6.3%	2.5 yr US T-note + Tax-exempt spread	2.50 yrs	5.25%	1.88%	2.12%	2.12%	3.77%
5 – 10 yrs	7.9%	7.5 yr US T-note + Tax-exempt spread	7.50 yrs	5.25%	2.40%	2.70%	2.70%	2.70%
10 – 20 yrs	6.7%	15 yr US T-note + Tax-exempt spread	15.00 yrs	5.25%	2.70%	3.21%	3.21%	3.21%
> 20 yrs	2.4%	20 yr US T-note + Tax-exempt spread	20.00 yrs	5.25%	2.89%	3.57%	3.57%	3.57%
Industrial and Hybrid Securities (unaffiliated)	33.3%							
< 1yr	4.4%	6 mo US T-bill + Corp spread	0.50 yrs	21.00%	1.67%	2.11%	3.29%	2.84%
1 – 5 yrs	13.3%	2.5 yr US T-note + Corp spread	2.50 yrs	21.00%	2.26%	2.46%	2.46%	3.84%
5 – 10 yrs	11.9%	7.5 yr US T-note + Corp spread	7.50 yrs	21.00%	2.93%	3.17%	3.17%	3.17%
10 – 20 yrs	1.5%	15 yr US T-note + Corp spread	15.00 yrs	21.00%	3.17%	3.57%	3.57%	3.57%
> 20 yrs	2.2%	20 yr US T-note + Corp spread	20.00 yrs	21.00%	3.29%	3.84%	3.84%	3.84%
Industrial and Hybrid Securities (affiliated)	1.5%							
< 1yr	1.5%	6 mo US T-bill + Corp spread	0.50 yrs	5.25%	2.00%	2.53%	3.95%	3.40%
1 – 5 yrs	0.0%	2.5 yr US T-note + Corp spread	2.50 yrs	5.25%	2.71%	2.95%	2.95%	4.60%
5 – 10 yrs	0.0%	7.5 yr US T-note + Corp spread	7.50 yrs	5.25%	3.51%	3.81%	3.81%	3.81%
10 – 20 yrs	0.0%	15 yr US T-note + Corp spread	15.00 yrs	5.25%	3.80%	4.29%	4.29%	4.29%
> 20 yrs	0.0%	20 yr US T-note + Corp spread	20.00 yrs	5.25%	3.94%	4.60%	4.60%	4.60%
Stocks, of which	12.4%							
Preferred Stock	0.4%	5 year US T-note + 376 basis points	0.25 yrs	13.13%	5.06%	6.11%	6.71%	6.63%
Common Stock	11.9%	5 year US T-note + 751 basis points	0.25 yrs	18.31%	7.83%	8.81%	9.38%	9.30%
Mortgage Loans	1.5%							
Real Estate	0.3%							
Cash & Short-Term Investment	3.8%	3 month US T-bill	0.25 yrs	21.00%	0.97%	1.66%	2.78%	2.12%
All Other Assets*	8.3%							
Post-Tax Return on Invested Funds, pre-Expense:					2.99%	3.42%	3.70%	4.00%
Investment Expense**:					-0.15%	-0.15%	-0.15%	-0.15%
Post-Tax Return on Invested Funds:					2.83%	3.27%	3.55%	3.85%

Table Notes:

- Government Direct Obligations include US Government Issuer Obligations and Non-US Government Issuer Obligations. Collateralized Securities include Mortgage Backed, Loan Backed, or Structured Securities. Tax-exempt Bonds include Issuer Obligations of US States, Territories, and Possessions, US Political Subdivisions of States, Territories, and Possessions, and US Special Revenue and Special Assessment Obligations. Industrial and Hybrid Securities (unaffiliated) include Industrial and Miscellaneous and Hybrid Securities. Industrial and Hybrid Securities (affiliated) include Parents, Subsidiaries, and Affiliates.
- Bond and total portfolio distributions are 3-year averages for 2013-2015, calculated from various annual editions of Best's Aggregates & Averages (Property-Casualty), Assets for Commercial Casualty Composite, p. 276, Column 3, Net Admitted Assets. For each year 2013-2015, the maturity distribution pertains to all bonds owned as of December 31 at book/adjusted carrying value for Commercial Casualty Composite, Schedule D, Part 1A, Section 2.
- Spread to US treasury yields are either constant or varying by maturity (tax-exempt or corporate) as applicable. The tax-exempt spread is a term structure of average historical spreads in forward rates at different maturities between US municipal bonds and US Treasuries. Data on historical yields to US municipal bonds are from Bloomberg. The corporate spread is a term structure of average historical spreads in forward rates at different maturities between US corporate bonds and US Treasuries. Historical data on yields to US corporate bonds are from the US Department of Treasury.
- Applies only to the Dynamic estimate of the return on invested funds. The roll-over period is the time interval at which the estimated yield is updated for the given security in the investment portfolio. For bonds, the roll-over period is the bond's term to maturity. Forward yields for common and preferred stocks are updated quarterly.
- It is assumed that investment returns, except dividends and tax exempt municipal bond income, are taxed at 21%. With respect to dividends, it is assumed that 50% of dividends received are tax exempt. It is further assumed that in accordance with the "pro-ration" provision, 25% of otherwise exempt municipal bond income and dividends are taxed at 21%. The portion of income attributable to capital appreciation is assumed to equal 65.8% while the income portion is 34.2%. The percentages were obtained from Morningstar's Analyst Research Center containing Table 6-7 previously published in Ibbotson S&P Classic Yearbook, large company stocks, arithmetic mean.
- Static estimates of treasury yields are actual current yields.
- 9) Apply only to the Dynamic estimate of the return on invested funds. Forward estimates of treasury yields at various maturities are from Moody's.

* Yields to mortgage loans, real estate, and all other assets are not directly estimated, but are assumed to be equal to the weighted average portfolio yield net of these categories.

** Investment expense calculated from Annual Statement data for the Commercial Casualty Composite by dividing Total Investment Expense by Cash and Invested Assets.

Total investment expense for 2015 from the Annual Statement, Exhibit of Net Investment Income.

Average of 2014 and 2015 cash and invested assets from Best's Aggregates and Averages (Property-Casualty), Assets for Commercial Casualty Composite, p.276, Line 12.



APPENDIX B: FEDERAL INCOME TAX INCURRED FROM INSURANCE OPERATIONS

Federal taxes on underwriting income, based on the Tax Cuts and Jobs Act of 2017, are calculated in the following tables on an annual basis. Columns (1) through (4) are the same under both the Static and Dynamic Estimates; the paid losses and LAE factors (col (5)) vary by Estimate. Note that investment taxes are accounted for in Appendix A. Annual tax is prorated when quarterly amounts are required.

TABLE B.1: FEDERAL INCOME TAX CALCULATION (STATIC ESTIMATE)

Time	(1) Written Premium Factor	(2) Unearned Premium Factor	(3) Expense and Taxes Factor	(4) Discount Factor	(5) Paid Losses and LAE Factor	(6) AY1 Paid Losses and LAE Factor	(7) AY2 Paid Losses and LAE Factor	(8) Discounted AY1 Unpaid Losses & LAE Factor	(9) Discounted AY2 Unpaid Losses & LAE Factor	(10) Federal Income Tax Factor
0.00	-	-	-	-	-	-	-	-	-	-
1.00	1.0000	0.4770	0.1427	0.8919	0.0892	0.0892	-	0.2757	-	0.0233
2.00	1.0000	-	0.1970	0.8783	0.3553	0.2219	0.1334	0.1550	0.2363	0.0118
3.00	1.0000	-	0.1970	0.8685	0.4987	0.2631	0.2356	0.1174	0.1429	0.0092
4.00	1.0000	-	0.1970	0.8551	0.5832	0.3058	0.2774	0.0791	0.1051	0.0075
5.00	1.0000	-	0.1970	0.8501	0.6326	0.3215	0.3111	0.0653	0.0746	0.0064
6.00	1.0000	-	0.1970	0.8455	0.6597	0.3340	0.3257	0.0544	0.0618	0.0057
7.00	1.0000	-	0.1970	0.8490	0.6780	0.3415	0.3365	0.0483	0.0523	0.0051
8.00	1.0000	-	0.1970	0.8567	0.6915	0.3479	0.3436	0.0432	0.0465	0.0046
9.00	1.0000	-	0.1970	0.8624	0.7003	0.3513	0.3490	0.0406	0.0423	0.0042
10.00	1.0000	-	0.1970	0.8794	0.7067	0.3544	0.3523	0.0387	0.0397	0.0038
11.00	1.0000	-	0.1970	0.8904	0.7130	0.3576	0.3554	0.0363	0.0377	0.0033
12.00	1.0000	-	0.1970	0.9016	0.7162	0.3584	0.3579	0.0360	0.0361	0.0031
13.00	1.0000	-	0.1970	0.9130	0.7202	0.3610	0.3592	0.0341	0.0353	0.0028
14.00	1.0000	-	0.1970	0.9246	0.7234	0.3621	0.3613	0.0335	0.0338	0.0026
15.00	1.0000	-	0.1970	0.9363	0.7290	0.3657	0.3633	0.0306	0.0324	0.0023
16.00	1.0000	-	0.1970	0.9483	0.7322	0.3663	0.3659	0.0304	0.0304	0.0021
17.00	1.0000	-	0.1970	0.9604	0.7346	0.3678	0.3668	0.0294	0.0299	0.0019
18.00	1.0000	-	0.1970	0.9726	0.7385	0.3700	0.3685	0.0276	0.0286	0.0017
19.00	1.0000	-	0.1970	0.9848	0.7401	0.3701	0.3700	0.0278	0.0275	0.0016
20.00	1.0000	-	0.1970	0.9870	0.7417	0.3712	0.3705	0.0267	0.0274	0.0015
21.00	1.0000	-	0.1970	0.9870	0.7433	0.3719	0.3715	0.0261	0.0265	0.0015
22.00	1.0000	-	0.1970	0.9870	0.7441	0.3722	0.3720	0.0259	0.0260	0.0015
23.00	1.0000	-	0.1970	0.9870	0.7465	0.3738	0.3727	0.0242	0.0253	0.0015
24.00	1.0000	-	0.1970	0.9870	0.7497	0.3754	0.3743	0.0227	0.0237	0.0015
25.00	1.0000	-	0.1970	0.9870	0.7521	0.3764	0.3757	0.0217	0.0224	0.0014
26.00	1.0000	-	0.1970	0.9870	0.7529	0.3765	0.3764	0.0216	0.0217	0.0014
27.00	1.0000	-	0.1970	0.9870	0.7545	0.3776	0.3769	0.0205	0.0212	0.0014
28.00	1.0000	-	0.1970	0.9870	0.7561	0.3782	0.3778	0.0198	0.0203	0.0014
29.00	1.0000	-	0.1970	0.9870	0.7593	0.3803	0.3789	0.0178	0.0192	0.0014
30.00	1.0000	-	0.1970	0.9870	0.7663	0.3846	0.3817	0.0136	0.0164	0.0014
31.00	1.0000	-	0.1970	0.9870	0.7731	0.3875	0.3856	0.0107	0.0126	0.0014
32.00	1.0000	-	0.1970	0.9870	0.7794	0.3908	0.3886	0.0074	0.0096	0.0014
33.00	1.0000	-	0.1970	0.9870	0.7855	0.3937	0.3918	0.0046	0.0065	0.0014
34.00	1.0000	-	0.1970	0.9870	0.7912	0.3966	0.3947	0.0017	0.0036	0.0013
35.00	1.0000	-	0.1970	0.9870	0.7967	0.3984	0.3984	-	-	0.0013

Column Notes:

- (1) is Written Premium by time period, expressed as a factor, = Table 2 col (3)
- (2) is Written Premium minus Earned Premium by time period, expressed as a factor, = Table 2 col (3) - Table 2 col (2)
- (3) is Expenses and Taxes by time period, expressed as a factor, = Table 1 row (1) x Table 2 col (4)
- (4) is calculated using a payout pattern derived from Best's 2016 Aggregates and Averages, Schedule P Table 1D, and a discount rate of 2.63%
- (5) is Paid Losses and LAE by time period, expressed as a factor, = Table 1 row (7, Static) x Table 2 col (5)
- (6) and (7) split the payments between the accident year coincident with the policy year ("AY1"), and the following accident year ("AY2"). Assuming that the payout pattern is linear between integer times, and that the average accident date for AY2 is two-thirds of a year later than the average accident date for AY1, columns (6) and (7) are determined by solving these two equations simultaneously:

$$\text{Col (6)} + \text{Col (7)} = \text{Col (5)}$$

$$\text{Col (7)} = (2/3) * \text{Col (6, previous row)} + (1/3) * \text{Col (6)}$$
 with Col (6, Time 1) = Col (5, Time 1) and Col (6, Time 35) = Col (7, Time 35)
- (8) is the discounted difference between AY1 Losses and LAE that will ultimately be paid, and the amount already paid,

$$= [\text{col (6, Time 35)} - (6)] * (4)$$
- (9) is the discounted difference between AY2 Losses and LAE that will ultimately be paid, and the amount already paid,

$$= [\text{col (7, Time 35)} - (7)] * \text{col (4, previous row)}$$
- (10) Per IRS rules, federal income tax equals the tax rate (21%) times the adjusted underwriting income

$$= 21\% * \{ (1) - 0.8 * (2) - [(3) + (5) + (8) + (9)] \}$$



APPENDIX B: FEDERAL INCOME TAX INCURRED FROM INSURANCE OPERATIONS (CONTINUED)

TABLE B.2: FEDERAL INCOME TAX CALCULATION (DYNAMIC ESTIMATE)

Time	(1) Written Premium Factor	(2) Unearned Premium Factor	(3) Expense and Taxes Factor	(4) Discount Factor	(5) Paid Losses and LAE Factor	(6) AY1 Paid Losses and LAE Factor	(7) AY2 Paid Losses and LAE Factor	(8) Discounted AY1 Unpaid Losses & LAE Factor	(9) Discounted AY2 Unpaid Losses & LAE Factor	(10) Federal Income Tax Factor
0.00	-	-	-	-	-	-	-	-	-	-
1.00	1.0000	0.4770	0.1427	0.8919	0.0905	0.0905	-	0.2797	-	0.0222
2.00	1.0000	-	0.1970	0.8783	0.3604	0.2251	0.1354	0.1572	0.2397	0.0096
3.00	1.0000	-	0.1970	0.8685	0.5059	0.2669	0.2390	0.1191	0.1450	0.0069
4.00	1.0000	-	0.1970	0.8551	0.5915	0.3102	0.2813	0.0802	0.1066	0.0052
5.00	1.0000	-	0.1970	0.8501	0.6416	0.3261	0.3155	0.0663	0.0757	0.0041
6.00	1.0000	-	0.1970	0.8455	0.6691	0.3388	0.3303	0.0552	0.0627	0.0034
7.00	1.0000	-	0.1970	0.8490	0.6877	0.3464	0.3413	0.0490	0.0531	0.0028
8.00	1.0000	-	0.1970	0.8567	0.7014	0.3529	0.3486	0.0438	0.0471	0.0022
9.00	1.0000	-	0.1970	0.8624	0.7103	0.3563	0.3540	0.0412	0.0429	0.0018
10.00	1.0000	-	0.1970	0.8794	0.7168	0.3594	0.3574	0.0392	0.0403	0.0014
11.00	1.0000	-	0.1970	0.8904	0.7233	0.3627	0.3605	0.0368	0.0383	0.0010
12.00	1.0000	-	0.1970	0.9016	0.7265	0.3635	0.3630	0.0366	0.0366	0.0007
13.00	1.0000	-	0.1970	0.9130	0.7305	0.3661	0.3644	0.0346	0.0358	0.0004
14.00	1.0000	-	0.1970	0.9246	0.7338	0.3673	0.3665	0.0340	0.0343	0.0002
15.00	1.0000	-	0.1970	0.9363	0.7394	0.3709	0.3685	0.0310	0.0329	(0.0001)
16.00	1.0000	-	0.1970	0.9483	0.7427	0.3715	0.3711	0.0309	0.0308	(0.0003)
17.00	1.0000	-	0.1970	0.9604	0.7451	0.3731	0.3720	0.0298	0.0304	(0.0005)
18.00	1.0000	-	0.1970	0.9726	0.7491	0.3753	0.3738	0.0280	0.0291	(0.0007)
19.00	1.0000	-	0.1970	0.9848	0.7507	0.3754	0.3753	0.0282	0.0279	(0.0008)
20.00	1.0000	-	0.1970	0.9870	0.7524	0.3766	0.3758	0.0271	0.0278	(0.0009)
21.00	1.0000	-	0.1970	0.9870	0.7540	0.3772	0.3768	0.0265	0.0269	(0.0009)
22.00	1.0000	-	0.1970	0.9870	0.7548	0.3775	0.3773	0.0262	0.0264	(0.0009)
23.00	1.0000	-	0.1970	0.9870	0.7572	0.3792	0.3780	0.0246	0.0257	(0.0009)
24.00	1.0000	-	0.1970	0.9870	0.7604	0.3807	0.3797	0.0230	0.0241	(0.0009)
25.00	1.0000	-	0.1970	0.9870	0.7629	0.3818	0.3811	0.0220	0.0227	(0.0010)
26.00	1.0000	-	0.1970	0.9870	0.7637	0.3819	0.3818	0.0219	0.0220	(0.0010)
27.00	1.0000	-	0.1970	0.9870	0.7653	0.3830	0.3823	0.0208	0.0215	(0.0010)
28.00	1.0000	-	0.1970	0.9870	0.7669	0.3837	0.3832	0.0201	0.0205	(0.0010)
29.00	1.0000	-	0.1970	0.9870	0.7701	0.3858	0.3844	0.0181	0.0194	(0.0010)
30.00	1.0000	-	0.1970	0.9870	0.7773	0.3901	0.3872	0.0138	0.0166	(0.0010)
31.00	1.0000	-	0.1970	0.9870	0.7841	0.3931	0.3911	0.0109	0.0128	(0.0010)
32.00	1.0000	-	0.1970	0.9870	0.7906	0.3964	0.3942	0.0075	0.0098	(0.0010)
33.00	1.0000	-	0.1970	0.9870	0.7968	0.3993	0.3974	0.0046	0.0066	(0.0010)
34.00	1.0000	-	0.1970	0.9870	0.8026	0.4023	0.4003	0.0018	0.0037	(0.0011)
35.00	1.0000	-	0.1970	0.9870	0.8081	0.4041	0.4041	-	-	(0.0011)

Column Notes:

- (1) is Written Premium by time period, expressed as a factor, = Table 2 col (3)
- (2) is Written Premium minus Earned Premium by time period, expressed as a factor, = Table 2 col (3) - Table 2 col (2)
- (3) is Expenses and Taxes by time period, expressed as a factor, = Table 1 row (1) x Table 2 col (4)
- (4) is calculated using a payout pattern derived from Best's 2016 Aggregates and Averages, Schedule P Table 1D, and a discount rate of 2.63%
- (5) is Paid Losses and LAE by time period, expressed as a factor, = Table 1 row (7, Dynamic) x Table 2 col (5)
- (6) and (7) split the payments between the accident year coincident with the policy year ("AY1"), and the following accident year ("AY2"). Assuming that the payout pattern is linear between integer times, and that the average accident date for AY2 is two-thirds of a year later than the average accident date for AY1, columns (6) and (7) are determined by solving these two equations simultaneously:

$$\text{Col (6) + Col (7) = Col (5)}$$

$$\text{Col (7) = (2/3) * Col (6, previous row) + (1/3) * Col (6)}$$
 with Col (6, Time 1) = Col (5, Time 1) and Col (6, Time 35) = Col (7, Time 35)
- (8) is the discounted difference between AY1 Losses and LAE that will ultimately be paid, and the amount already paid,

$$= [\text{col (6, Time 35) - (6)}] \times (4)$$
- (9) is the discounted difference between AY2 Losses and LAE that will ultimately be paid, and the amount already paid,

$$= [\text{col (7, Time 35) - (7)}] \times \text{col (4, previous row)}$$
- (10) Per IRS rules, federal income tax equals the tax rate (21%) times the adjusted underwriting income

$$= 21\% * \{ (1) - 0.8 * (2) - [(3) + (5) + (8) + (9)] \}$$



Iowa
 Workers Compensation Rate Filing – June 1, 2018
 Exhibit III – Internal Rate of Return Model

APPENDIX C: RESERVE-TO-SURPLUS RATIO
 in 000's

	(1)	(2)	(3)	(4)	(5)	(6)
Year End	Unpaid Losses	Unpaid Loss Adjustment Expense	Unearned Premium	Policyholder Surplus	Ratio excl. Unearned Premium {(1)+(2)} /(4)	Ratio incl. Unearned Premium {(1)+(2) +(3)}/(4)
2016	186,424,236	41,741,053	72,716,997	169,831,305	1.34	1.77
2015	185,919,427	42,816,231	73,469,477	169,017,203	1.35	1.79
2014	214,239,981	48,564,685	83,674,315	192,947,461	1.36	1.80
2013	215,275,673	47,841,227	81,229,642	182,832,920	1.44	1.88
2012	212,275,479	46,533,070	75,723,720	174,892,306	1.48	1.91
2012 - 2016	1,014,134,796	227,496,266	386,814,151	889,521,195	1.40	1.83

Selected Ratio including Unearned Premium: 1.83

Source: Columns (1) - (4) for the latest year are taken from Liabilities, Surplus and Other Funds on page 277 in Best's 2017 Aggregates & Averages, for Commercial Casualty Composite.



Iowa

Workers Compensation Rate Filing – June 1, 2018

Exhibit IV – Change in Spendable Wages

The aforementioned Tax Cuts and Jobs Act of 2017 (TCJA) lowers most individual income tax rates beginning in tax year 2018, thereby resulting in higher net pay or “spendable wages” on average¹. In turn, this impacts the amount of indemnity benefits to be paid to injured workers in Iowa under the Workers Compensation Act, since the rate of compensation for fatal, total disability, and partial disability benefits is 80% of spendable wages, rather than gross wages. Hence, lower taxes and higher spendable wages will lead to higher workers compensation (WC) benefits, on average, in Iowa.

The approach used in calculating the effect of the TCJA on WC benefits resulting from the expected increase in spendable wages is as follows:

1. Begin with the 2017 Federal Withholding Tax Tables for Single and for Married Filing Jointly taxpayers.
2. Estimate the appropriate number of exemptions for taxpayers with children and without children (using countrywide distributions of the number of dependents in fatal cases).
3. Calculate spendable wages by gross earnings bracket, accounting for federal income tax, FICA² taxes, and state income taxes for each of the four situations, (i) Single, No Children, (ii) Single, With Children, (iii) Married, No Children, and (iv) Married, With Children,
4. Calculate the average weekly benefits (AWB) for the four situations using a countrywide distribution of workers and their wages³, indexed to the Iowa average weekly wage⁴, for each injury type (Fatal, Permanent Total, Permanent Partial, and Temporary Total).
5. Calculate the AWB for each injury type weighted across the four situations⁵.
6. Repeat steps 1 through 5 for calculations reflecting the TCJA, beginning with the 2018 Federal Withholding Tax Tables for Single and for Married Filing Jointly taxpayers.
 - a. Note that the standard deduction was doubled for all taxpayers, and the personal and dependent exemptions were eliminated from 2018 through 2025.

¹ Note that the elimination of exemptions and slight annual inflationary indexing of the maximum amount of wages in 2018 subject to the 6.2% Social Security tax (from \$127,200 to \$128,400) resulting from the TCJA could have a countering (i.e., downward) impact on spendable wages for some injured workers. Meanwhile, the slight annual indexing of Iowa state income tax brackets (which increase progressively with income) slightly increases spendable wages and increases WC benefits. Both changes are negligible when considered in isolation but are both considered when determining the overall change due to tax rate revisions.

² Federal Insurance Contributions Act (FICA) taxes are payroll taxes which go towards the funding of the Social Security program and Medicare.

³ Based on NCCI Detailed Claim Information data.

⁴ Forecasted using the Bureau of Labor Statistics Quarterly Census of Employment and Wages, for all private sector employment, and adjusted to reflect injured workers wages.

⁵ Based on countrywide distributions of average dependents by type (e.g., spouse, spouse with one child, parent, etc.) for fatal and for disability cases.



Iowa

Workers Compensation Rate Filing – June 1, 2018

Exhibit IV – Change in Spendable Wages

- b. As a result, the four situations are now, (1) Single, (2) Single, Head of Household, (3) Married, Single Earner, and (4) Married, Dual Earner.
- 7. Calculate the ratios of the 2018 AWB to the 2017 AWB for each injury type.
- 8. Determine the indemnity cost distribution by injury type⁶.
- 9. Using the indemnity cost distribution (Step 8) and the changes in the AWB by injury type (Step 7), calculate the effect of the TCJA on total indemnity benefit costs.
- 10. Multiply the impact on total indemnity benefit costs (Step 9) by the percentage of losses attributed to indemnity benefits⁷ to determine the impact of the TCJA on overall benefit costs.

The results of the above calculations are as follows:

Type of Injury	Percentage of Losses	Effect (%)
Fatal	3.0%	+0.4%
Permanent Total	1.6%	+2.0%
Permanent Partial	29.5%	+2.0%
Temporary Total	8.3%	+2.0%
Total Indemnity	42.4%	+1.9%
Medical	57.6%	0.0%
Total	100.0%	+0.8%

⁶ NCCI Unit Statistical Plan data for the 24-month policy period ending 2/28/2014 on the 07/01/2017 law level and developed to an ultimate basis by type of injury.

⁷ NCCI Financial Call data for Iowa for Policy Years 2014 and 2015 projected to 1/1/2018.



Iowa

Workers Compensation Rate Filing – June 1, 2018

Part 2 Proposed Values

- Proposed Voluntary Market Advisory Rates and Rating Values
- Proposed Assigned Risk Rates and Rating Values
- Proposed Values for Inclusion in the Retrospective Rating Plan Manual



Iowa

Workers Compensation Rate Filing – June 1, 2018

Proposed Voluntary Market Advisory Rates and Rating Values

The following pages include proposed voluntary market advisory rates and rating values:

- Voluntary market advisory rates and minimum premiums by class code

The currently approved expected loss rates, d-ratios, associated footnotes, and miscellaneous values are also displayed for completeness.

WORKERS COMPENSATION AND EMPLOYERS LIABILITY

IOWA

Effective June 1, 2018

CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO
0005	4.45	650	2.44	0.31	2016	5.70	787	3.31	0.37	2710	11.66	1000	5.34	0.23
0008	4.13	614	2.16	0.29	2021	2.59	445	1.36	0.30	2714	6.59	885	3.75	0.36
0016	7.26	500	3.57	0.26	2039	4.01	601	2.28	0.36	2731	4.26	629	2.10	0.26
0034	5.96	650	3.29	0.32	2041	6.64	890	3.77	0.36	2735	6.17	839	3.49	0.36
0035	3.96	596	2.24	0.36	2065	2.77	465	1.54	0.32	2759	7.94	1000	4.51	0.36
0036	4.17	500	2.31	0.32	2070	6.03	823	3.35	0.32	2790	2.16	398	1.22	0.36
0037	4.59	500	2.41	0.29	2081	4.48	653	2.47	0.32	2797	10.28	1000	5.67	0.32
0042	8.53	650	4.47	0.29	2089	4.69	676	2.60	0.32	2799	7.82	1000	4.12	0.30
0050	8.07	1000	4.46	0.32	2095	3.64	560	2.03	0.32	2802	6.17	839	3.24	0.30
0059D	0.51	-	0.11	0.26	2105	4.88	697	2.76	0.36	2835	3.86	585	2.31	0.43
0065D	0.12	-	0.03	0.26	2110	3.37	531	1.91	0.36	2836	3.55	551	2.12	0.43
0066D	0.12	-	0.03	0.26	2111	4.07	608	2.32	0.37	2841	5.82	800	3.30	0.36
0067D	0.12	-	0.03	0.25	2112	5.40	754	3.06	0.36	2881	4.90	699	2.93	0.43
0079	4.27	630	2.08	0.25	2114	4.40	644	2.50	0.36	2883	4.07	608	2.25	0.32
0083	6.73	500	3.72	0.32	2121	2.15	397	1.19	0.32	2913	-	-	2.25	0.32
0106	10.97	1000	5.04	0.23	2130	2.42	426	1.35	0.32	2915	4.11	612	2.17	0.30
0113	4.66	673	2.58	0.32	2131	3.30	523	1.83	0.32	2916	5.73	790	2.63	0.23
0170	3.68	565	2.03	0.32	2143	2.68	455	1.52	0.36	2923	3.13	504	1.78	0.36
0251	3.69	566	2.05	0.32	2157	5.29	742	2.95	0.32	2942	-	-	1.09	0.43
0400	-	-	1.42	0.29	2172	2.42	426	1.28	0.30	2960	5.82	800	3.23	0.32
0401	13.24	A	6.09	0.23	2174	4.13	614	2.34	0.36	3004	2.54	439	1.25	0.26
0771N	0.87	-	-	-	2211	11.45	1000	5.65	0.26	3018	3.34	527	1.64	0.26
0908P	183.00	343	101.44	0.32	2220	3.36	530	1.86	0.32	3022	5.10	721	2.90	0.36
0913P	509.00	669	282.38	0.32	2286	2.18	400	1.24	0.36	3027	5.47	762	2.69	0.26
0917	7.29	962	4.15	0.36	2288	5.67	784	3.21	0.36	3028	3.22	514	1.78	0.32
1005	6.20	842	2.66	0.24	2300	-	-	1.97	0.32	3030	6.93	922	3.41	0.26
1016X	14.15	1000	6.07	0.23	2302	2.60	446	1.43	0.32	3040	6.70	897	3.30	0.26
1164D	5.14	725	2.15	0.23	2305	2.84	472	1.50	0.30	3041	6.41	865	3.53	0.32
1165D	4.25	628	1.95	0.24	2361	3.04	494	1.67	0.32	3042	4.93	702	2.60	0.30
1320	2.01	381	0.93	0.24	2362	2.43	427	1.34	0.32	3064	7.47	982	4.13	0.32
1322	8.43	1000	3.91	0.24	2380	2.92	481	1.62	0.32	3069	-	-	2.76	0.32
1430	7.17	949	3.52	0.26	2386	-	-	1.97	0.32	3076	4.97	707	2.76	0.32
1438	5.99	819	2.76	0.24	2388	2.10	391	1.19	0.36	3081D	10.09	1000	4.84	0.25
1452	2.81	469	1.39	0.26	2402	3.70	567	1.82	0.26	3082D	5.51	766	2.67	0.26
1463	29.56	1000	13.64	0.24	2413	3.72	569	2.06	0.32	3085D	7.08	939	3.45	0.26
1472	4.58	664	2.10	0.23	2416	2.84	472	1.58	0.32	3110	10.83	1000	5.97	0.32
1624D	5.30	743	2.41	0.23	2417	1.78	356	0.99	0.32	3111	3.15	507	1.73	0.32
1642	2.56	442	1.27	0.26	2501	3.58	554	1.97	0.32	3113	2.49	434	1.38	0.32
1654	5.45	760	2.71	0.26	2503	1.88	367	1.07	0.37	3114	4.23	625	2.34	0.32
1655	-	-	1.27	0.26	2534X	3.21	513	1.81	0.36	3118	2.49	434	1.43	0.36
1699	4.87	696	2.40	0.26	2570	6.24	846	3.53	0.36	3119	1.26	299	0.75	0.43
1701	5.01	711	2.48	0.26	2585	5.07	718	2.88	0.36	3122	2.59	445	1.47	0.36
1710D	4.48	653	2.19	0.26	2586	3.36	530	1.86	0.32	3126	4.46	651	2.46	0.32
1741	-	-	2.48	0.26	2587	2.55	441	1.45	0.37	3131	2.46	431	1.36	0.32
1747	3.48	543	1.73	0.26	2589	4.52	657	2.50	0.32	3132	3.75	573	2.06	0.31
1748	7.30	963	3.56	0.25	2600	5.26	739	3.00	0.37	3145	2.27	410	1.25	0.32
1803D	12.01	1000	5.30	0.23	2623	10.51	1000	5.51	0.30	3146	3.39	533	1.88	0.32
1852	-	-	1.32	0.22	2651	2.24	406	1.27	0.36	3169	3.40	534	1.87	0.32
1853	-	-	2.48	0.26	2660	2.71	458	1.54	0.36	3175	-	-	1.87	0.32
1860	-	-	1.37	0.32	2670	2.46	431	1.47	0.43	3179	3.54	549	2.01	0.36
1924	3.02	492	1.72	0.36	2683	2.83	471	1.59	0.36	3180	3.63	559	2.05	0.36
1925	5.58	774	2.91	0.29	2688	5.61	777	3.18	0.36	3188	2.80	468	1.59	0.36
2002	2.80	468	1.59	0.36	2701	16.71	1000	8.21	0.26	3220	2.40	424	1.33	0.32
2003	6.00	820	3.35	0.32	2702	20.74	1000	8.80	0.23	3223	-	-	2.05	0.36
2014	6.99	929	3.45	0.26	2709	12.69	1000	6.27	0.26	3224	4.66	673	2.67	0.37

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

WORKERS COMPENSATION AND EMPLOYERS LIABILITY

IOWA

Effective June 1, 2018

CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO
3227	5.11	722	2.89	0.36	4034	10.99	1000	5.41	0.26	4665	9.56	1000	4.73	0.26
3240	4.58	664	2.57	0.36	4036	3.46	541	1.71	0.26	4670	11.40	1000	5.58	0.25
3241	4.07	608	2.24	0.32	4038	3.99	599	2.40	0.44	4683	7.12	943	3.97	0.32
3255	3.10	501	1.86	0.43	4053	-	-	1.44	0.32	4686	2.66	453	1.31	0.26
3257	3.52	547	1.94	0.32	4061	-	-	1.44	0.32	4692	0.83	251	0.48	0.36
3270	3.01	491	1.67	0.32	4062	2.62	448	1.44	0.32	4693	2.37	421	1.31	0.32
3300	5.70	787	3.13	0.31	4101	4.02	602	2.09	0.29	4703	3.39	533	1.88	0.32
3303	4.20	622	2.38	0.36	4109	0.77	245	0.44	0.36	4717	2.13	394	1.28	0.44
3307	4.72	679	2.61	0.32	4110	0.91	260	0.51	0.32	4720	3.63	559	2.01	0.32
3315	5.41	755	3.08	0.36	4111	2.10	391	1.20	0.36	4740	2.16	398	1.07	0.26
3334	3.73	570	2.09	0.32	4113	-	-	1.20	0.36	4741	3.69	566	2.05	0.32
3336	4.11	612	2.04	0.26	4114	3.36	530	1.87	0.32	4751	8.14	1000	3.92	0.25
3365	7.53	988	3.71	0.26	4130	4.25	628	2.35	0.32	4771N	4.93	798	2.09	0.23
3372	5.97	817	3.12	0.29	4131	6.24	846	3.53	0.36	4777	4.63	669	1.96	0.23
3373	6.77	905	3.76	0.32	4133	2.78	466	1.57	0.36	4825	2.33	416	1.15	0.26
3383	1.98	378	1.12	0.36	4149	1.04	274	0.63	0.43	4828	2.89	478	1.52	0.30
3385	1.12	283	0.63	0.36	4206	3.80	578	2.11	0.32	4829	1.45	320	0.66	0.23
3400	2.93	482	1.54	0.30	4207	3.86	585	1.90	0.26	4902	4.52	657	2.56	0.36
3507	5.31	744	2.93	0.32	4239	3.45	540	1.72	0.26	4923	1.47	322	0.80	0.31
3515	3.54	549	1.95	0.32	4240	4.40	644	2.49	0.36	5020	6.83	911	3.38	0.26
3548	1.78	356	0.99	0.32	4243	2.80	468	1.55	0.32	5022	8.94	1000	4.14	0.24
3559	5.31	744	2.92	0.31	4244	3.36	530	1.85	0.32	5037	34.38	1000	14.55	0.23
3574	1.81	359	1.03	0.36	4250	3.27	520	1.80	0.32	5040	17.44	1000	7.45	0.23
3581	1.36	310	0.78	0.37	4251	3.43	537	1.90	0.32	5057	7.76	1000	3.29	0.23
3612	2.80	468	1.47	0.30	4263	3.69	566	2.03	0.32	5059	21.19	1000	8.99	0.23
3620	5.04	714	2.48	0.26	4273	2.90	479	1.61	0.32	5069	-	-	8.99	0.23
3629	3.64	560	2.06	0.36	4279	2.46	431	1.37	0.32	5102	8.01	1000	3.68	0.23
3632	4.34	637	2.27	0.29	4282	-	-	1.37	0.32	5146	5.32	745	2.62	0.26
3634	2.65	452	1.51	0.37	4283	2.48	433	1.37	0.32	5160	6.95	925	3.25	0.24
3635	3.99	599	2.20	0.32	4299	2.72	459	1.54	0.36	5183	3.78	576	1.87	0.26
3638	2.28	411	1.29	0.36	4304	6.29	852	3.29	0.29	5188	4.86	695	2.42	0.26
3642	3.52	547	1.94	0.32	4307	2.60	446	1.56	0.43	5190	3.24	516	1.60	0.26
3643	2.98	488	1.65	0.32	4351	1.38	312	0.75	0.32	5191	0.98	268	0.54	0.32
3647	4.39	643	2.32	0.30	4352	2.07	388	1.17	0.36	5192	3.46	541	1.91	0.32
3648	2.36	420	1.34	0.36	4360	1.32	305	0.75	0.37	5213	10.37	1000	4.81	0.24
3681	1.44	318	0.81	0.36	4361	1.28	301	0.72	0.36	5215	7.85	1000	4.16	0.30
3685	2.10	391	1.19	0.36	4410	3.46	541	1.92	0.32	5221	6.41	865	3.17	0.26
3719	1.21	293	0.52	0.23	4420	7.65	1000	3.58	0.24	5222	16.67	1000	7.69	0.24
3724	5.96	816	2.74	0.23	4431	2.13	394	1.27	0.43	5223	7.02	932	3.47	0.26
3726	6.17	839	2.64	0.23	4432	1.83	361	1.09	0.43	5348	8.62	1000	4.27	0.26
3803	3.42	536	1.89	0.32	4439	-	-	1.62	0.32	5402	4.77	685	2.70	0.36
3807	4.67	674	2.64	0.36	4452	4.99	709	2.74	0.31	5403	12.33	1000	5.67	0.23
3808	4.05	606	2.14	0.30	4459	3.99	599	2.22	0.32	5437	7.05	936	3.48	0.26
3821	6.98	928	3.67	0.30	4470	3.22	514	1.78	0.32	5443	4.68	675	2.59	0.32
3822	5.32	745	2.78	0.29	4484	4.31	634	2.38	0.32	5445	8.12	1000	3.76	0.24
3824	6.94	923	3.62	0.29	4493	4.01	601	2.21	0.32	5462	9.37	1000	4.62	0.26
3826	1.10	281	0.61	0.32	4511	0.97	267	0.50	0.29	5472	7.07	938	3.02	0.23
3827	2.86	475	1.50	0.30	4557	3.13	504	1.78	0.36	5473	9.58	1000	4.07	0.23
3830	1.48	323	0.78	0.30	4558	2.93	482	1.62	0.32	5474	6.58	884	3.04	0.24
3851	3.66	563	2.09	0.37	4568	2.95	485	1.45	0.26	5478	5.96	816	2.95	0.26
3865	2.06	387	1.22	0.43	4581	1.22	294	0.56	0.23	5479	7.38	972	3.89	0.30
3881	8.03	1000	4.44	0.32	4583	5.50	765	2.54	0.24	5480	12.76	1000	5.86	0.23
4000	9.55	1000	4.38	0.23	4611	1.50	325	0.85	0.36	5491	2.17	399	1.00	0.24
4021	7.20	952	3.55	0.26	4635	4.08	609	1.74	0.23	5506	8.79	1000	3.74	0.23
4024D	8.32	1000	4.02	0.25	4653	1.95	375	1.11	0.36	5507	4.33	636	2.01	0.24

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

WORKERS COMPENSATION AND EMPLOYERS LIABILITY

IOWA

Effective June 1, 2018

CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO
5508D	13.97	1000	6.91	0.26	7046M	13.86	1000	5.91	0.23	7610	0.64	230	0.34	0.29
5535	7.13	944	3.51	0.26	7047M	15.03	1000	5.91	0.23	7611	-	-	1.78	0.26
5537	4.98	708	2.45	0.26	7050M	13.37	1000	5.14	0.22	7612	-	-	1.78	0.26
5551	21.30	1000	8.99	0.23	7090M	7.23	955	3.02	0.22	7613	-	-	1.78	0.26
5606	1.70	347	0.79	0.24	7098M	15.40	1000	6.57	0.23	7705	7.15	947	3.77	0.30
5610	7.91	1000	4.37	0.32	7099M	28.34	1000	11.19	0.23	7710	47.34	1000	21.82	0.24
5645	11.46	1000	5.27	0.23	7133	2.54	439	1.17	0.24	7711	47.34	1000	21.82	0.24
5651	-	-	5.27	0.23	7151M	3.09	500	1.43	0.24	7720	3.60	556	1.78	0.26
5703	13.32	1000	6.54	0.26	7152M	6.32	855	2.69	0.24	7855	5.46	761	2.70	0.26
5705	20.00	1000	9.83	0.26	7153M	3.43	537	1.59	0.24	8001	2.27	410	1.28	0.36
5951	1.38	312	0.77	0.36	7219	8.84	1000	4.11	0.24	8002	2.92	481	1.60	0.31
6003	6.43	867	3.20	0.26	7222	7.41	975	3.68	0.26	8006	3.23	515	1.78	0.32
6005	5.05	716	2.49	0.26	7225	8.75	1000	4.34	0.26	8008	1.46	321	0.82	0.36
6017	-	-	4.81	0.24	7228	-	-	4.11	0.24	8010	2.21	403	1.25	0.36
6018	2.87	476	1.44	0.26	7229	-	-	4.11	0.24	8013	0.46	211	0.26	0.32
6045	4.30	633	2.16	0.26	7230	9.99	1000	5.26	0.30	8015	1.09	280	0.60	0.32
6204	13.12	1000	6.05	0.24	7231	11.52	1000	6.08	0.30	8017	2.07	388	1.17	0.36
6206	3.65	562	1.56	0.23	7232	8.09	1000	3.78	0.24	8018	3.72	569	2.11	0.36
6213	2.36	420	1.10	0.24	7309F	17.91	1000	5.74	0.18	8021	2.88	477	1.59	0.32
6214	2.75	463	1.17	0.23	7313F	5.17	729	1.66	0.18	8031	3.22	514	1.77	0.32
6216	6.96	926	2.97	0.23	7317F	12.54	1000	3.99	0.19	8032	2.34	417	1.32	0.36
6217	5.56	772	2.58	0.24	7327F	28.16	1000	9.06	0.18	8033	1.54	329	0.84	0.31
6229	5.65	782	2.59	0.23	7333M	10.88	1000	4.73	0.24	8037	2.62	448	1.49	0.36
6233	2.47	432	1.14	0.24	7335M	12.09	1000	5.26	0.24	8039	1.58	334	0.89	0.36
6235	7.01	931	2.99	0.23	7337M	22.17	1000	8.96	0.24	8044	3.05	496	1.60	0.30
6236	9.95	1000	4.93	0.26	7350F	16.13	1000	5.44	0.21	8045	0.69	236	0.39	0.36
6237	2.12	393	1.05	0.26	7360	5.40	754	2.66	0.26	8046	3.01	491	1.66	0.31
6251D	10.31	1000	4.83	0.25	7370	5.73	790	3.16	0.32	8047	1.30	303	0.74	0.36
6252D	4.52	657	1.91	0.23	7380	5.44	758	2.87	0.30	8058	3.08	499	1.69	0.31
6260	-	-	4.83	0.25	7382	4.64	670	2.56	0.32	8072	0.73	240	0.41	0.36
6306	5.84	802	2.71	0.24	7390	5.48	763	3.03	0.32	8102	2.22	404	1.27	0.36
6319	3.51	546	1.62	0.24	7394M	4.13	614	1.76	0.23	8103	2.73	460	1.42	0.29
6325	5.60	776	2.60	0.24	7395M	4.59	665	1.96	0.23	8105	-	-	2.11	0.36
6400	6.85	914	3.61	0.30	7398M	8.47	1000	3.34	0.23	8106	7.91	1000	3.89	0.26
6503	2.36	420	1.35	0.37	7402	0.35	199	0.19	0.32	8107	4.11	612	2.04	0.26
6504	2.93	482	1.67	0.36	7403	4.58	664	2.26	0.26	8111	3.05	496	1.69	0.32
6702M*	6.63	889	3.28	0.26	7405N	1.30	380	0.64	0.26	8116	3.04	494	1.68	0.32
6703M*	13.56	1000	6.21	0.26	7420	7.44	978	3.21	0.24	8203	9.75	1000	5.40	0.32
6704M*	7.37	971	3.64	0.26	7421	0.80	248	0.37	0.24	8204	6.27	850	3.07	0.25
6801F	5.50	765	1.93	0.23	7422	1.90	369	0.82	0.24	8209	5.81	799	3.21	0.32
6811	6.74	901	3.32	0.26	7425	4.68	675	2.00	0.23	8215	3.97	597	1.97	0.26
6824F	10.93	1000	3.72	0.21	7431N	0.98	326	0.42	0.24	8227	4.05	606	1.73	0.23
6826F	9.70	1000	3.33	0.24	7445N	0.70	-	-	-	8232	6.73	900	3.31	0.26
6834	6.81	909	3.56	0.29	7453N	0.53	-	-	-	8233	2.90	479	1.45	0.26
6836	5.83	801	2.86	0.25	7502	3.16	508	1.55	0.26	8235	4.76	684	2.64	0.32
6843F	15.48	1000	5.00	0.18	7515	1.12	283	0.47	0.23	8263	6.59	885	3.43	0.29
6845F	8.31	1000	2.65	0.19	7520	4.93	702	2.72	0.32	8264	7.11	942	3.49	0.25
6854	6.50	875	2.76	0.23	7538	5.55	771	2.37	0.23	8265	7.36	970	3.37	0.23
6872F	16.49	1000	5.26	0.19	7539	3.21	513	1.49	0.24	8279	8.73	1000	3.99	0.23
6874F	24.23	1000	7.72	0.19	7540	4.20	622	1.78	0.23	8288	7.70	1000	3.74	0.25
6882	4.49	654	1.92	0.23	7580	2.17	399	1.07	0.26	8291	5.04	714	2.64	0.29
6884	8.17	1000	3.53	0.24	7590	4.29	632	2.25	0.30	8292	4.32	635	2.39	0.32
7016M	7.34	967	3.12	0.23	7600	3.62	558	1.78	0.26	8293	12.27	1000	6.05	0.26
7024M	8.15	1000	3.47	0.23	7601	-	-	1.78	0.26	8304	5.29	742	2.60	0.26
7038M	6.51	876	2.71	0.22	7605	2.36	420	1.17	0.26	8350	7.01	931	3.23	0.24

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

WORKERS COMPENSATION AND EMPLOYERS LIABILITY

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CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO
8380	3.23	515	1.70	0.30	9044	1.67	344	0.94	0.36					
8381	2.57	443	1.35	0.30	9052	2.66	453	1.51	0.36					
8385	2.50	435	1.24	0.26	9058	1.82	360	1.08	0.43					
8392	2.38	422	1.31	0.32	9060	1.71	348	0.96	0.36					
8393	2.34	417	1.30	0.32	9061	1.75	353	1.04	0.43					
8500	6.37	861	3.13	0.26	9062	1.43	317	0.85	0.43					
8601	0.54	219	0.29	0.30	9063	1.29	302	0.72	0.36					
8602	2.09	390	1.10	0.30	9077F	5.10	721	1.90	0.30					
8603	0.10	171	0.06	0.32	9082	1.47	322	0.87	0.43					
8606	2.69	456	1.24	0.24	9083	1.58	334	0.94	0.43					
8709F	7.47	982	2.39	0.19	9084	1.86	365	1.02	0.31					
8719	3.30	523	1.39	0.23	9088a	a	a	a	a					
8720	1.25	298	0.61	0.26	9089	1.85	364	1.03	0.36					
8721	0.43	207	0.22	0.26	9093	1.99	379	1.11	0.36					
8723	0.23	185	0.13	0.32	9101	5.96	816	3.37	0.36					
8725	3.01	491	1.48	0.26	9102	4.24	626	2.33	0.32					
8726F	3.42	536	1.21	0.23	9154	1.81	359	0.99	0.31					
8734M	0.66	233	0.33	0.26	9156	2.42	426	1.27	0.30					
8737M	0.60	226	0.30	0.26	9170	13.10	1000	5.50	0.22					
8738M	1.25	298	0.57	0.26	9178	5.32	745	3.14	0.43					
8742	0.49	214	0.25	0.26	9179	22.52	1000	12.63	0.36					
8745	6.04	824	3.18	0.30	9180	6.24	846	3.04	0.25					
8748	0.93	262	0.49	0.30	9182	2.67	454	1.46	0.31					
8755	0.42	206	0.21	0.26	9186	14.88	1000	6.77	0.23					
8799	0.67	234	0.37	0.31	9220	5.39	753	2.82	0.29					
8800	2.19	401	1.32	0.44	9402	5.35	749	2.63	0.26					
8803	0.10	171	0.05	0.26	9403	8.41	1000	3.88	0.24					
8805M	0.34	197	0.19	0.32	9410	3.02	492	1.67	0.32					
8810	0.25	188	0.14	0.32	9501	4.69	676	2.45	0.29					
8814M	0.30	193	0.16	0.32	9505	5.55	771	2.91	0.29					
8815M	0.61	227	0.32	0.32	9516	7.46	981	3.69	0.26					
8820	0.25	188	0.13	0.30	9519	4.42	646	2.18	0.26					
8824	3.46	541	1.96	0.36	9521	4.57	663	2.25	0.26					
8825	2.10	391	1.25	0.43	9522	6.44	868	3.58	0.32					
8826	3.82	580	2.10	0.32	9534	3.74	571	1.74	0.24					
8829	3.13	504	1.74	0.32	9554	9.72	1000	4.48	0.24					
8831	1.72	349	0.94	0.31	9586	0.69	236	0.41	0.43					
8832	0.41	205	0.23	0.32	9600	3.64	560	2.08	0.36					
8833	1.06	277	0.58	0.32	9620	1.48	323	0.77	0.29					
8835	2.78	466	1.54	0.32										
8842	3.09	500	1.70	0.31										
8855	0.19	181	0.10	0.32										
8856	0.49	214	0.28	0.32										
8864	2.11	392	1.16	0.31										
8868	0.51	216	0.29	0.36										
8869	1.20	292	0.67	0.36										
8871	0.10	171	0.06	0.36										
8901	0.35	199	0.18	0.29										
9012	2.26	409	1.19	0.30										
9014	4.72	679	2.61	0.32										
9015	4.88	697	2.69	0.32										
9016	4.07	608	2.22	0.31										
9019	2.14	395	1.05	0.25										
9033	2.81	469	1.55	0.32										
9040	4.03	603	2.28	0.36										

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

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FOOTNOTES

- a Rate for each individual risk must be obtained from NCCI Customer Service or the Rating Organization having jurisdiction.
- A Minimum Premium \$100 per ginning location for policy minimum premium computation.
- D Rate for classification already includes the specific disease loading shown in the table below. See **Basic Manual** Rule 3-A-7.

Code No.	Disease Loading	Symbol	Code No.	Disease Loading	Symbol	Code No.	Disease Loading	Symbol
0059D	0.51	S	1624D	0.06	S	4024D	0.06	S
0065D	0.12	S	1710D	0.06	S	5508D	0.08	S
0066D	0.12	S	1803D	0.47	S	6251D	0.07	S
0067D	0.12	S	3081D	0.17	S	6252D	0.04	S
1164D	0.09	S	3082D	0.07	S			
1165D	0.06	S	3085D	0.11	S			

S=Silica

- F Rate provides for coverage under the United States Longshore and Harbor Workers Compensation Act and its extensions. Rate includes a provision for USL&HW Assessment.
- M Risks are subject to Admiralty Law or Federal Employers Liability Act (FELA). However, the published rate 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 rate 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**

- 6702 Rate 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 rate and elr each x 1.215.
- 6703 Rate 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 rate x 2.48 and elr x 2.299.
- 6704 Rate 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 rate and elr each x 1.35.

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MISCELLANEOUS VALUES

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

Employee operated vehicle.....	\$67,100
Leased or rented vehicle.....	\$44,700

Catastrophe (other than Certified Acts of Terrorism) - (Voluntary) 0.01

Expense Constant applicable in accordance with **Basic Manual** Rule 3-A-11..... \$160

Maximum Weekly Payroll applicable in accordance with **Basic Manual** Rule 2-E -- "Executive Officers" including members of limited liability companies, Rule 2-E-3 for Partners and Sole Proprietors, and **Basic Manual** footnote instructions for Code 9178 -- "Athletic Sports or Park: Non-Contact Sports", and Code 9179 -- "Athletic Sports or Park: Contact Sports" \$3,400

Minimum Weekly Payroll applicable in accordance with **Basic Manual** Rule 2-E -- "Executive Officers" and members of limited liability companies and Rule 2-E-3 for Partners and Sole Proprietors \$450

Premium Discount Percentages - (See Basic Manual Rule 3-A-19-a.) The following premium discounts are applicable to Standard Premiums:

		Type A	Type B
First	\$10,000	-	-
Next	190,000	9.1%	5.1%
Next	1,550,000	11.3%	6.5%
Over	1,750,000	12.3%	7.5%

Terrorism (Voluntary) 0.01

United States Longshore and Harbor Workers' Compensation Coverage Percentage applicable only in connection with **Basic Manual** Rule 3-A-4..... 106%

(Multiply a Non-F classification rate by a factor of 2.06 to adjust for differences in benefits and loss-based expenses. This factor is the product of the adjustment for differences in benefits (1.95) and the adjustment for differences in loss-based expenses (1.055).)

Experience Rating Eligibility

A risk qualifies for experience rating on an intrastate basis when it meets the premium eligibility requirements for the state in which it operates. The eligibility amount varies by rating effective date. The **Experience Rating Plan Manual** should be referenced for the latest approved eligibility amounts by state and by effective date.



Iowa

Workers Compensation Rate Filing – June 1, 2018

Proposed Assigned Risk Rates and Rating Values

The following pages include proposed assigned risk rates and rating values:

- Assigned risk rates and minimum premiums by class code

The currently approved expected loss rates, d-ratios, associated footnotes, and miscellaneous values are also displayed for completeness.

WORKERS COMPENSATION AND EMPLOYERS LIABILITY

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APPLICABLE TO ASSIGNED RISK POLICIES ONLY

CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO
0005	5.79	650	2.44	0.31	2016	7.41	975	3.31	0.37	2710	15.16	1000	5.34	0.23
0008	5.37	650	2.16	0.29	2021	3.37	531	1.36	0.30	2714	8.57	1000	3.75	0.36
0016	9.44	500	3.57	0.26	2039	5.21	733	2.28	0.36	2731	5.54	769	2.10	0.26
0034	7.75	650	3.29	0.32	2041	8.63	1000	3.77	0.36	2735	8.02	1000	3.49	0.36
0035	5.15	650	2.24	0.36	2065	3.60	556	1.54	0.32	2759	10.32	1000	4.51	0.36
0036	5.42	500	2.31	0.32	2070	7.84	1000	3.35	0.32	2790	2.81	469	1.22	0.36
0037	5.97	500	2.41	0.29	2081	5.82	800	2.47	0.32	2797	13.36	1000	5.67	0.32
0042	11.09	650	4.47	0.29	2089	6.10	831	2.60	0.32	2799	10.17	1000	4.12	0.30
0050	10.49	1000	4.46	0.32	2095	4.73	680	2.03	0.32	2802	8.02	1000	3.24	0.30
0059D	0.66	-	0.11	0.26	2105	6.34	857	2.76	0.36	2835	5.02	712	2.31	0.43
0065D	0.16	-	0.03	0.26	2110	4.38	642	1.91	0.36	2836	4.62	668	2.12	0.43
0066D	0.16	-	0.03	0.26	2111	5.29	742	2.32	0.37	2841	7.57	993	3.30	0.36
0067D	0.16	-	0.03	0.25	2112	7.02	932	3.06	0.36	2881	6.37	861	2.93	0.43
0079	5.55	650	2.08	0.25	2114	5.72	789	2.50	0.36	2883	5.29	742	2.25	0.32
0083	8.75	500	3.72	0.32	2121	2.80	468	1.19	0.32	2913	-	-	2.25	0.32
0106	14.26	1000	5.04	0.23	2130	3.15	507	1.35	0.32	2915	5.34	747	2.17	0.30
0113	6.06	827	2.58	0.32	2131	4.29	632	1.83	0.32	2916	7.45	980	2.63	0.23
0170	4.78	686	2.03	0.32	2143	3.48	543	1.52	0.36	2923	4.07	608	1.78	0.36
0251	4.80	688	2.05	0.32	2157	6.88	917	2.95	0.32	2942	-	-	1.09	0.43
0400	-	-	1.42	0.29	2172	3.15	507	1.28	0.30	2960	7.57	993	3.23	0.32
0401	17.21	A	6.09	0.23	2174	5.37	751	2.34	0.36	3004	3.30	523	1.25	0.26
0771N	1.13	-	-	-	2211	14.89	1000	5.65	0.26	3018	4.34	637	1.64	0.26
0908P	238.00	398	101.44	0.32	2220	4.37	641	1.86	0.32	3022	6.63	889	2.90	0.36
0913P	662.00	822	282.38	0.32	2286	2.83	471	1.24	0.36	3027	7.11	942	2.69	0.26
0917	9.48	1000	4.15	0.36	2288	7.37	971	3.21	0.36	3028	4.19	621	1.78	0.32
1005	8.06	1000	2.66	0.24	2300	-	-	1.97	0.32	3030	9.01	1000	3.41	0.26
1016X	18.40	1000	6.07	0.23	2302	3.38	532	1.43	0.32	3040	8.71	1000	3.30	0.26
1164D	6.69	896	2.15	0.23	2305	3.69	566	1.50	0.30	3041	8.33	1000	3.53	0.32
1165D	5.53	768	1.95	0.24	2361	3.95	595	1.67	0.32	3042	6.41	865	2.60	0.30
1320	2.61	447	0.93	0.24	2362	3.16	508	1.34	0.32	3064	9.71	1000	4.13	0.32
1322	10.96	1000	3.91	0.24	2380	3.80	578	1.62	0.32	3069	-	-	2.76	0.32
1430	9.32	1000	3.52	0.26	2386	-	-	1.97	0.32	3076	6.46	871	2.76	0.32
1438	7.79	1000	2.76	0.24	2388	2.73	460	1.19	0.36	3081D	13.12	1000	4.84	0.25
1452	3.65	562	1.39	0.26	2402	4.81	689	1.82	0.26	3082D	7.16	948	2.67	0.26
1463	38.43	1000	13.64	0.24	2413	4.84	692	2.06	0.32	3085D	9.20	1000	3.45	0.26
1472	5.95	815	2.10	0.23	2416	3.69	566	1.58	0.32	3110	14.08	1000	5.97	0.32
1624D	6.89	918	2.41	0.23	2417	2.31	414	0.99	0.32	3111	4.10	611	1.73	0.32
1642	3.33	526	1.27	0.26	2501	4.65	672	1.97	0.32	3113	3.24	516	1.38	0.32
1654	7.09	940	2.71	0.26	2503	2.44	428	1.07	0.37	3114	5.50	765	2.34	0.32
1655	-	-	1.27	0.26	2534X	4.17	619	1.81	0.36	3118	3.24	516	1.43	0.36
1699	6.33	856	2.40	0.26	2570	8.11	1000	3.53	0.36	3119	1.64	340	0.75	0.43
1701	6.51	876	2.48	0.26	2585	6.59	885	2.88	0.36	3122	3.37	531	1.47	0.36
1710D	5.83	801	2.19	0.26	2586	4.37	641	1.86	0.32	3126	5.80	798	2.46	0.32
1741	-	-	2.48	0.26	2587	3.32	525	1.45	0.37	3131	3.20	512	1.36	0.32
1747	4.52	657	1.73	0.26	2589	5.88	807	2.50	0.32	3132	4.88	697	2.06	0.31
1748	9.49	1000	3.56	0.25	2600	6.84	912	3.00	0.37	3145	2.95	485	1.25	0.32
1803D	15.61	1000	5.30	0.23	2623	13.66	1000	5.51	0.30	3146	4.41	645	1.88	0.32
1852	-	-	1.32	0.22	2651	2.91	480	1.27	0.36	3169	4.42	646	1.87	0.32
1853	-	-	2.48	0.26	2660	3.52	547	1.54	0.36	3175	-	-	1.87	0.32
1860	-	-	1.37	0.32	2670	3.20	512	1.47	0.43	3179	4.60	666	2.01	0.36
1924	3.93	592	1.72	0.36	2683	3.68	565	1.59	0.36	3180	4.72	679	2.05	0.36
1925	7.25	958	2.91	0.29	2688	7.29	962	3.18	0.36	3188	3.64	560	1.59	0.36
2002	3.64	560	1.59	0.36	2701	21.72	1000	8.21	0.26	3220	3.12	503	1.33	0.32
2003	7.80	1000	3.35	0.32	2702	26.96	1000	8.80	0.23	3223	-	-	2.05	0.36
2014	9.09	1000	3.45	0.26	2709	16.50	1000	6.27	0.26	3224	6.06	827	2.67	0.37

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

WORKERS COMPENSATION AND EMPLOYERS LIABILITY

IOWA

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CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO
3227	6.64	890	2.89	0.36	4034	14.29	1000	5.41	0.26	4665	12.43	1000	4.73	0.26
3240	5.95	815	2.57	0.36	4036	4.50	655	1.71	0.26	4670	14.82	1000	5.58	0.25
3241	5.29	742	2.24	0.32	4038	5.19	731	2.40	0.44	4683	9.26	1000	3.97	0.32
3255	4.03	603	1.86	0.43	4053	-	-	1.44	0.32	4686	3.46	541	1.31	0.26
3257	4.58	664	1.94	0.32	4061	-	-	1.44	0.32	4692	1.08	279	0.48	0.36
3270	3.91	590	1.67	0.32	4062	3.41	535	1.44	0.32	4693	3.08	499	1.31	0.32
3300	7.41	975	3.13	0.31	4101	5.23	735	2.09	0.29	4703	4.41	645	1.88	0.32
3303	5.46	761	2.38	0.36	4109	1.00	270	0.44	0.36	4717	2.77	465	1.28	0.44
3307	6.14	835	2.61	0.32	4110	1.18	290	0.51	0.32	4720	4.72	679	2.01	0.32
3315	7.03	933	3.08	0.36	4111	2.73	460	1.20	0.36	4740	2.81	469	1.07	0.26
3334	4.85	694	2.09	0.32	4113	-	-	1.20	0.36	4741	4.80	688	2.05	0.32
3336	5.34	747	2.04	0.26	4114	4.37	641	1.87	0.32	4751	10.58	1000	3.92	0.25
3365	9.79	1000	3.71	0.26	4130	5.53	768	2.35	0.32	4771N	6.41	989	2.09	0.23
3372	7.76	1000	3.12	0.29	4131	8.11	1000	3.53	0.36	4777	6.02	822	1.96	0.23
3373	8.80	1000	3.76	0.32	4133	3.61	557	1.57	0.36	4825	3.03	493	1.15	0.26
3383	2.57	443	1.12	0.36	4149	1.35	309	0.63	0.43	4828	3.76	574	1.52	0.30
3385	1.46	321	0.63	0.36	4206	4.94	703	2.11	0.32	4829	1.89	368	0.66	0.23
3400	3.81	579	1.54	0.30	4207	5.02	712	1.90	0.26	4902	5.88	807	2.56	0.36
3507	6.90	919	2.93	0.32	4239	4.49	654	1.72	0.26	4923	1.91	370	0.80	0.31
3515	4.60	666	1.95	0.32	4240	5.72	789	2.49	0.36	5020	8.88	1000	3.38	0.26
3548	2.31	414	0.99	0.32	4243	3.64	560	1.55	0.32	5022	11.62	1000	4.14	0.24
3559	6.90	919	2.92	0.31	4244	4.37	641	1.85	0.32	5037	44.69	1000	14.55	0.23
3574	2.35	419	1.03	0.36	4250	4.25	628	1.80	0.32	5040	22.67	1000	7.45	0.23
3581	1.77	355	0.78	0.37	4251	4.46	651	1.90	0.32	5057	10.09	1000	3.29	0.23
3612	3.64	560	1.47	0.30	4263	4.80	688	2.03	0.32	5059	27.55	1000	8.99	0.23
3620	6.55	881	2.48	0.26	4273	3.77	575	1.61	0.32	5069	-	-	8.99	0.23
3629	4.73	680	2.06	0.36	4279	3.20	512	1.37	0.32	5102	10.41	1000	3.68	0.23
3632	5.64	780	2.27	0.29	4282	-	-	1.37	0.32	5146	6.92	921	2.62	0.26
3634	3.45	540	1.51	0.37	4283	3.22	514	1.37	0.32	5160	9.04	1000	3.25	0.24
3635	5.19	731	2.20	0.32	4299	3.54	549	1.54	0.36	5183	4.91	700	1.87	0.26
3638	2.96	486	1.29	0.36	4304	8.18	1000	3.29	0.29	5188	6.32	855	2.42	0.26
3642	4.58	664	1.94	0.32	4307	3.38	532	1.56	0.43	5190	4.21	623	1.60	0.26
3643	3.87	586	1.65	0.32	4351	1.79	357	0.75	0.32	5191	1.27	300	0.54	0.32
3647	5.71	788	2.32	0.30	4352	2.69	456	1.17	0.36	5192	4.50	655	1.91	0.32
3648	3.07	498	1.34	0.36	4360	1.72	349	0.75	0.37	5213	13.48	1000	4.81	0.24
3681	1.87	366	0.81	0.36	4361	1.66	343	0.72	0.36	5215	10.21	1000	4.16	0.30
3685	2.73	460	1.19	0.36	4410	4.50	655	1.92	0.32	5221	8.33	1000	3.17	0.26
3719	1.57	333	0.52	0.23	4420	9.95	1000	3.58	0.24	5222	21.67	1000	7.69	0.24
3724	7.75	1000	2.74	0.23	4431	2.77	465	1.27	0.43	5223	9.13	1000	3.47	0.26
3726	8.02	1000	2.64	0.23	4432	2.38	422	1.09	0.43	5348	11.21	1000	4.27	0.26
3803	4.45	650	1.89	0.32	4439	-	-	1.62	0.32	5402	6.20	842	2.70	0.36
3807	6.07	828	2.64	0.36	4452	6.49	874	2.74	0.31	5403	16.03	1000	5.67	0.23
3808	5.27	740	2.14	0.30	4459	5.19	731	2.22	0.32	5437	9.17	1000	3.48	0.26
3821	9.07	1000	3.67	0.30	4470	4.19	621	1.78	0.32	5443	6.08	829	2.59	0.32
3822	6.92	921	2.78	0.29	4484	5.60	776	2.38	0.32	5445	10.56	1000	3.76	0.24
3824	9.02	1000	3.62	0.29	4493	5.21	733	2.21	0.32	5462	12.18	1000	4.62	0.26
3826	1.43	317	0.61	0.32	4511	1.26	299	0.50	0.29	5472	9.19	1000	3.02	0.23
3827	3.72	569	1.50	0.30	4557	4.07	608	1.78	0.36	5473	12.45	1000	4.07	0.23
3830	1.92	371	0.78	0.30	4558	3.81	579	1.62	0.32	5474	8.55	1000	3.04	0.24
3851	4.76	684	2.09	0.37	4568	3.84	582	1.45	0.26	5478	7.75	1000	2.95	0.26
3865	2.68	455	1.22	0.43	4581	1.59	335	0.56	0.23	5479	9.59	1000	3.89	0.30
3881	10.44	1000	4.44	0.32	4583	7.15	947	2.54	0.24	5480	16.59	1000	5.86	0.23
4000	12.42	1000	4.38	0.23	4611	1.95	375	0.85	0.36	5491	2.82	470	1.00	0.24
4021	9.36	1000	3.55	0.26	4635	5.30	743	1.74	0.23	5506	11.43	1000	3.74	0.23
4024D	10.82	1000	4.02	0.25	4653	2.54	439	1.11	0.36	5507	5.63	779	2.01	0.24

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CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO
5508D	18.16	1000	6.91	0.26	7046M	18.02	1000	5.91	0.23	7610	0.83	251	0.34	0.29
5535	9.27	1000	3.51	0.26	7047M	19.54	1000	5.91	0.23	7611	-	-	1.78	0.26
5537	6.47	872	2.45	0.26	7050M	17.38	1000	5.14	0.22	7612	-	-	1.78	0.26
5551	27.69	1000	8.99	0.23	7090M	9.40	1000	3.02	0.22	7613	-	-	1.78	0.26
5606	2.21	403	0.79	0.24	7098M	20.02	1000	6.57	0.23	7705	9.30	1000	3.77	0.30
5610	10.28	1000	4.37	0.32	7099M	36.84	1000	11.19	0.23	7710	61.54	1000	21.82	0.24
5645	14.90	1000	5.27	0.23	7133	3.30	523	1.17	0.24	7711	61.54	1000	21.82	0.24
5651	-	-	5.27	0.23	7151M	4.02	602	1.43	0.24	7720	4.68	675	1.78	0.26
5703	17.32	1000	6.54	0.26	7152M	8.22	1000	2.69	0.24	7855	7.10	941	2.70	0.26
5705	26.00	1000	9.83	0.26	7153M	4.46	651	1.59	0.24	8001	2.95	485	1.28	0.36
5951	1.79	357	0.77	0.36	7219	11.49	1000	4.11	0.24	8002	3.80	578	1.60	0.31
6003	8.36	1000	3.20	0.26	7222	9.63	1000	3.68	0.26	8006	4.20	622	1.78	0.32
6005	6.57	883	2.49	0.26	7225	11.38	1000	4.34	0.26	8008	1.90	369	0.82	0.36
6017	-	-	4.81	0.24	7228	-	-	4.11	0.24	8010	2.87	476	1.25	0.36
6018	3.73	570	1.44	0.26	7229	-	-	4.11	0.24	8013	0.60	226	0.26	0.32
6045	5.59	775	2.16	0.26	7230	12.99	1000	5.26	0.30	8015	1.42	316	0.60	0.32
6204	17.06	1000	6.05	0.24	7231	14.98	1000	6.08	0.30	8017	2.69	456	1.17	0.36
6206	4.75	683	1.56	0.23	7232	10.52	1000	3.78	0.24	8018	4.84	692	2.11	0.36
6213	3.07	498	1.10	0.24	7309F	23.28	1000	5.74	0.18	8021	3.74	571	1.59	0.32
6214	3.58	554	1.17	0.23	7313F	6.72	899	1.66	0.18	8031	4.19	621	1.77	0.32
6216	9.05	1000	2.97	0.23	7317F	16.30	1000	3.99	0.19	8032	3.04	494	1.32	0.36
6217	7.23	955	2.58	0.24	7327F	36.61	1000	9.06	0.18	8033	2.00	380	0.84	0.31
6229	7.35	969	2.59	0.23	7333M	14.14	1000	4.73	0.24	8037	3.41	535	1.49	0.36
6233	3.21	513	1.14	0.24	7335M	15.72	1000	5.26	0.24	8039	2.05	386	0.89	0.36
6235	9.11	1000	2.99	0.23	7337M	28.82	1000	8.96	0.24	8044	3.97	597	1.60	0.30
6236	12.94	1000	4.93	0.26	7350F	20.97	1000	5.44	0.21	8045	0.90	259	0.39	0.36
6237	2.76	464	1.05	0.26	7360	7.02	932	2.66	0.26	8046	3.91	590	1.66	0.31
6251D	13.40	1000	4.83	0.25	7370	7.45	980	3.16	0.32	8047	1.69	346	0.74	0.36
6252D	5.87	806	1.91	0.23	7380	7.07	938	2.87	0.30	8058	4.00	600	1.69	0.31
6260	-	-	4.83	0.25	7382	6.03	823	2.56	0.32	8072	0.95	265	0.41	0.36
6306	7.59	995	2.71	0.24	7390	7.12	943	3.03	0.32	8102	2.89	478	1.27	0.36
6319	4.56	662	1.62	0.24	7394M	5.37	751	1.76	0.23	8103	3.55	551	1.42	0.29
6325	7.28	961	2.60	0.24	7395M	5.97	817	1.96	0.23	8105	-	-	2.11	0.36
6400	8.91	1000	3.61	0.30	7398M	11.01	1000	3.34	0.23	8106	10.28	1000	3.89	0.26
6503	3.07	498	1.35	0.37	7402	0.46	211	0.19	0.32	8107	5.34	747	2.04	0.26
6504	3.81	579	1.67	0.36	7403	5.95	815	2.26	0.26	8111	3.97	597	1.69	0.32
6702M*	8.62	1000	3.28	0.26	7405N	1.69	446	0.64	0.26	8116	3.95	595	1.68	0.32
6703M*	17.63	1000	6.21	0.26	7420	9.67	1000	3.21	0.24	8203	12.68	1000	5.40	0.32
6704M*	9.58	1000	3.64	0.26	7421	1.04	274	0.37	0.24	8204	8.15	1000	3.07	0.25
6801F	7.15	947	1.93	0.23	7422	2.47	432	0.82	0.24	8209	7.55	991	3.21	0.32
6811	8.76	1000	3.32	0.26	7425	6.08	829	2.00	0.23	8215	5.16	728	1.97	0.26
6824F	14.21	1000	3.72	0.21	7431N	1.27	376	0.42	0.24	8227	5.27	740	1.73	0.23
6826F	12.61	1000	3.33	0.24	7445N	0.91	-	-	-	8232	8.75	1000	3.31	0.26
6834	8.85	1000	3.56	0.29	7453N	0.69	-	-	-	8233	3.77	575	1.45	0.26
6836	7.58	994	2.86	0.25	7502	4.11	612	1.55	0.26	8235	6.19	841	2.64	0.32
6843F	20.12	1000	5.00	0.18	7515	1.46	321	0.47	0.23	8263	8.57	1000	3.43	0.29
6845F	10.80	1000	2.65	0.19	7520	6.41	865	2.72	0.32	8264	9.24	1000	3.49	0.25
6854	8.45	1000	2.76	0.23	7538	7.22	954	2.37	0.23	8265	9.57	1000	3.37	0.23
6872F	21.44	1000	5.26	0.19	7539	4.17	619	1.49	0.24	8279	11.35	1000	3.99	0.23
6874F	31.50	1000	7.72	0.19	7540	5.46	761	1.78	0.23	8288	10.01	1000	3.74	0.25
6882	5.84	802	1.92	0.23	7580	2.82	470	1.07	0.26	8291	6.55	881	2.64	0.29
6884	10.62	1000	3.53	0.24	7590	5.58	774	2.25	0.30	8292	5.62	778	2.39	0.32
7016M	9.54	1000	3.12	0.23	7600	4.71	678	1.78	0.26	8293	15.95	1000	6.05	0.26
7024M	10.60	1000	3.47	0.23	7601	-	-	1.78	0.26	8304	6.88	917	2.60	0.26
7038M	8.46	1000	2.71	0.22	7605	3.07	498	1.17	0.26	8350	9.11	1000	3.23	0.24

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CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO	CLASS CODE	RATE	MIN PREM	ELR	D RATIO
8380	4.20	622	1.70	0.30	9044	2.17	399	0.94	0.36					
8381	3.34	527	1.35	0.30	9052	3.46	541	1.51	0.36					
8385	3.25	518	1.24	0.26	9058	2.37	421	1.08	0.43					
8392	3.09	500	1.31	0.32	9060	2.22	404	0.96	0.36					
8393	3.04	494	1.30	0.32	9061	2.28	411	1.04	0.43					
8500	8.28	1000	3.13	0.26	9062	1.86	365	0.85	0.43					
8601	0.70	237	0.29	0.30	9063	1.68	345	0.72	0.36					
8602	2.72	459	1.10	0.30	9077F	6.63	889	1.90	0.30					
8603	0.13	174	0.06	0.32	9082	1.91	370	0.87	0.43					
8606	3.50	545	1.24	0.24	9083	2.05	386	0.94	0.43					
8709F	9.71	1000	2.39	0.19	9084	2.42	426	1.02	0.31					
8719	4.29	632	1.39	0.23	9088a	a	a	a	a					
8720	1.63	339	0.61	0.26	9089	2.41	425	1.03	0.36					
8721	0.56	222	0.22	0.26	9093	2.59	445	1.11	0.36					
8723	0.30	193	0.13	0.32	9101	7.75	1000	3.37	0.36					
8725	3.91	590	1.48	0.26	9102	5.51	766	2.33	0.32					
8726F	4.45	650	1.21	0.23	9154	2.35	419	0.99	0.31					
8734M	0.86	255	0.33	0.26	9156	3.15	507	1.27	0.30					
8737M	0.78	246	0.30	0.26	9170	17.03	1000	5.50	0.22					
8738M	1.63	339	0.57	0.26	9178	6.92	921	3.14	0.43					
8742	0.64	230	0.25	0.26	9179	29.28	1000	12.63	0.36					
8745	7.85	1000	3.18	0.30	9180	8.11	1000	3.04	0.25					
8748	1.21	293	0.49	0.30	9182	3.47	542	1.46	0.31					
8755	0.55	221	0.21	0.26	9186	19.34	1000	6.77	0.23					
8799	0.87	256	0.37	0.31	9220	7.01	931	2.82	0.29					
8800	2.85	474	1.32	0.44	9402	6.96	926	2.63	0.26					
8803	0.13	174	0.05	0.26	9403	10.93	1000	3.88	0.24					
8805M	0.44	208	0.19	0.32	9410	3.93	592	1.67	0.32					
8810	0.33	196	0.14	0.32	9501	6.10	831	2.45	0.29					
8814M	0.39	203	0.16	0.32	9505	7.22	954	2.91	0.29					
8815M	0.79	247	0.32	0.32	9516	9.70	1000	3.69	0.26					
8820	0.33	196	0.13	0.30	9519	5.75	793	2.18	0.26					
8824	4.50	655	1.96	0.36	9521	5.94	813	2.25	0.26					
8825	2.73	460	1.25	0.43	9522	8.37	1000	3.58	0.32					
8826	4.97	707	2.10	0.32	9534	4.86	695	1.74	0.24					
8829	4.07	608	1.74	0.32	9554	12.64	1000	4.48	0.24					
8831	2.24	406	0.94	0.31	9586	0.90	259	0.41	0.43					
8832	0.53	218	0.23	0.32	9600	4.73	680	2.08	0.36					
8833	1.38	312	0.58	0.32	9620	1.92	371	0.77	0.29					
8835	3.61	557	1.54	0.32										
8842	4.02	602	1.70	0.31										
8855	0.25	188	0.10	0.32										
8856	0.64	230	0.28	0.32										
8864	2.74	461	1.16	0.31										
8868	0.66	233	0.29	0.36										
8869	1.56	332	0.67	0.36										
8871	0.13	174	0.06	0.36										
8901	0.46	211	0.18	0.29										
9012	2.94	483	1.19	0.30										
9014	6.14	835	2.61	0.32										
9015	6.34	857	2.69	0.32										
9016	5.29	742	2.22	0.31										
9019	2.78	466	1.05	0.25										
9033	3.65	562	1.55	0.32										
9040	5.24	736	2.28	0.36										

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FOOTNOTES

- a Rate for each individual risk must be obtained by NCCI Customer Service or the Rating Organization having jurisdiction.
- A Minimum Premium \$100 per ginning location for policy minimum premium computation.
- D Rate for classification already includes the specific disease loading shown in the table below. See **Basic Manual** Rule 3-A-7.

Disease			Disease			Disease		
Code No.	Loading	Symbol	Code No.	Loading	Symbol	Code No.	Loading	Symbol
0059D	0.66	S	1624D	0.08	S	4024D	0.08	S
0065D	0.16	S	1710D	0.08	S	5508D	0.10	S
0066D	0.16	S	1803D	0.61	S	6251D	0.09	S
0067D	0.16	S	3081D	0.22	S	6252D	0.05	S
1164D	0.12	S	3082D	0.09	S			
1165D	0.08	S	3085D	0.14	S			

S=Silica

- F Rate provides for coverage under the United States Longshore and Harbor Workers Compensation Act and its extensions. Rate includes a provision for USL&HW Assessment.
- M Risks are subject to Admiralty Law or Federal Employers Liability Act (FELA). However, the published rate 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. For the residual market, coverage under the Federal Employers' Liability Act (FELA) for employees of interstate railroads is not available for codes 6702, 6703, 6704, 7151, 7152, 7153, 8734, 8737, 8738, 8805, 8814, and 8815.
- N This code is part of a ratable / non-ratable group shown below. The statistical non-ratable code and corresponding rate 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**

- 6702 Rate 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 rate and elr each x 1.215.
- 6703 Rate 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 rate x 2.48 and elr x 2.299.
- 6704 Rate 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 rate and elr each x 1.35.

Effective June 1, 2018

APPLICABLE TO ASSIGNED RISK POLICIES ONLY

MISCELLANEOUS VALUES

Basis of premium applicable in accordance with <i>Basic Manual</i> footnote instructions for Code 7370 -- "Taxicab Co.":	
Employee operated vehicle.....	\$67,100
Leased or rented vehicle.....	\$44,700
Catastrophe (other than Certified Acts of Terrorism) - (Assigned Risk).....	0.01
Expense Constant applicable in accordance with <i>Basic Manual</i> Rule 3-A-11.....	\$160
Maximum Weekly Payroll applicable in accordance with <i>Basic Manual</i> Rule 2-E -- "Executive Officers" including members of limited liability companies, Rule 2-E-3 for Partners and Sole Proprietors, and <i>Basic Manual</i> footnote instructions for Code 9178 -- "Athletic Sports or Park: Non-Contact Sports", and Code 9179 -- "Athletic Sports or Park: Contact Sports"	\$3,400
Minimum Weekly Payroll applicable in accordance with <i>Basic Manual</i> Rule 2-E -- "Executive Officers" and members of limited liability companies and Rule 2-E-3 for Partners and Sole Proprietors	\$450
Terrorism - (Assigned Risk).....	0.01
United States Longshore and Harbor Workers' Compensation Coverage Percentage applicable only in connection with <i>Basic Manual</i> Rule 3-A-4.....	106%

(Multiply a Non-F classification rate by a factor of 2.06 to adjust for differences in benefits and loss-based expenses. This factor is the product of the adjustment for differences in benefits 1.95 and the adjustment for differences in loss-based expenses (1.055).)

Experience Rating Eligibility

A risk qualifies for experience rating on an intrastate basis when it meets the premium eligibility requirements for the state in which it operates. The eligibility amount varies by rating effective date. The *Experience Rating Plan Manual* should be referenced for the latest approved eligibility amounts by state and by effective date.



Iowa

Workers Compensation Rate Filing – June 1, 2018

Proposed Values for Inclusion in the Retrospective Rating Plan Manual

The following pages include values for inclusion in the Retrospective Rating Plan Manual:

- Excess Loss Factors
- Excess Loss and Allocated Expense Factors
- Hazard Group Differentials
- Tax Multipliers
- Countrywide Expected Loss Ratio
- Countrywide Expected Loss and Allocated Expense Ratio
- Table of Expense Ratios
- Retrospective Development Factors

The following are also displayed for completeness:

- Table of Expected Loss Ranges

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

IOWA

Effective June 1, 2018

1. Hazard Group Differentials

A	B	C	D	E	F	G
1.27	1.02	0.94	0.79	0.66	0.55	0.47

2. Tax Multipliers

- a. State (non-F Classes) 1.024
- b. Federal Classes, or non-F classes where rate is increased by the USL&HW Act Percentage 1.061

- 3. Countrywide Expected Loss Ratio 0.602**
- Countrywide Expected Loss and Allocated Expense Ratio 0.682**

4. Table of Expense Ratios
Type A: 2018-01
Type B: 2018-01

**5. 2013 Table of Expected Loss Ranges
Effective January 1, 2013**

**6. Excess Loss Factors
(Applicable to New and Renewal Policies)**

Per Accident Limitation	Hazard Groups						
	A	B	C	D	E	F	G
\$10,000	0.475	0.510	0.520	0.545	0.562	0.581	0.585
\$15,000	0.442	0.479	0.490	0.518	0.539	0.560	0.567
\$20,000	0.414	0.454	0.466	0.496	0.519	0.542	0.551
\$25,000	0.391	0.432	0.445	0.477	0.501	0.526	0.537
\$30,000	0.371	0.413	0.427	0.459	0.485	0.512	0.524
\$35,000	0.354	0.396	0.410	0.443	0.470	0.498	0.512
\$40,000	0.338	0.381	0.396	0.429	0.457	0.485	0.500
\$50,000	0.311	0.355	0.370	0.404	0.433	0.463	0.480
\$75,000	0.262	0.304	0.320	0.354	0.385	0.417	0.439
\$100,000	0.228	0.269	0.285	0.318	0.350	0.382	0.406
\$125,000	0.202	0.241	0.257	0.289	0.321	0.354	0.380
\$150,000	0.182	0.220	0.235	0.267	0.298	0.330	0.358
\$175,000	0.166	0.202	0.218	0.248	0.279	0.311	0.339
\$200,000	0.153	0.187	0.203	0.232	0.263	0.293	0.322
\$225,000	0.142	0.175	0.190	0.218	0.248	0.279	0.308
\$250,000	0.132	0.164	0.179	0.206	0.236	0.265	0.295
\$275,000	0.124	0.155	0.169	0.195	0.225	0.254	0.284
\$300,000	0.117	0.146	0.161	0.186	0.215	0.243	0.273
\$325,000	0.110	0.139	0.153	0.177	0.206	0.233	0.264
\$350,000	0.105	0.132	0.146	0.170	0.198	0.225	0.255
\$375,000	0.099	0.126	0.140	0.163	0.190	0.217	0.247
\$400,000	0.095	0.121	0.134	0.157	0.184	0.209	0.239
\$425,000	0.091	0.116	0.129	0.151	0.177	0.202	0.233
\$450,000	0.087	0.111	0.124	0.145	0.172	0.196	0.226
\$475,000	0.083	0.107	0.120	0.140	0.166	0.190	0.220
\$500,000	0.080	0.103	0.116	0.136	0.161	0.185	0.215
\$600,000	0.069	0.090	0.102	0.120	0.144	0.166	0.195
\$700,000	0.060	0.080	0.091	0.108	0.131	0.151	0.180
\$800,000	0.054	0.072	0.082	0.098	0.120	0.139	0.167
\$900,000	0.048	0.065	0.075	0.090	0.110	0.128	0.156
\$1,000,000	0.044	0.060	0.069	0.083	0.103	0.120	0.146
\$2,000,000	0.022	0.032	0.038	0.047	0.060	0.071	0.093
\$3,000,000	0.014	0.021	0.026	0.032	0.042	0.051	0.069
\$4,000,000	0.010	0.015	0.019	0.024	0.032	0.039	0.054
\$5,000,000	0.007	0.011	0.015	0.018	0.026	0.031	0.045
\$6,000,000	0.006	0.009	0.012	0.015	0.021	0.026	0.037
\$7,000,000	0.004	0.007	0.010	0.012	0.018	0.022	0.032
\$8,000,000	0.004	0.006	0.008	0.010	0.015	0.019	0.028
\$9,000,000	0.003	0.005	0.007	0.009	0.013	0.016	0.024
\$10,000,000	0.003	0.004	0.006	0.008	0.011	0.014	0.022

Effective June 1, 2018

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

Per Accident Limitation	Hazard Groups						
	A	B	C	D	E	F	G
\$10,000	0.522	0.558	0.568	0.594	0.613	0.632	0.636
\$15,000	0.487	0.527	0.538	0.567	0.589	0.611	0.617
\$20,000	0.458	0.500	0.513	0.544	0.568	0.592	0.601
\$25,000	0.434	0.478	0.491	0.524	0.549	0.576	0.586
\$30,000	0.413	0.458	0.472	0.506	0.533	0.560	0.573
\$35,000	0.394	0.440	0.454	0.489	0.517	0.546	0.560
\$40,000	0.378	0.424	0.439	0.474	0.503	0.533	0.548
\$50,000	0.350	0.396	0.411	0.447	0.478	0.510	0.527
\$75,000	0.297	0.342	0.359	0.395	0.428	0.462	0.484
\$100,000	0.261	0.304	0.321	0.357	0.390	0.425	0.449
\$125,000	0.233	0.275	0.292	0.326	0.360	0.395	0.421
\$150,000	0.212	0.252	0.268	0.302	0.336	0.370	0.398
\$175,000	0.194	0.233	0.249	0.281	0.315	0.349	0.378
\$200,000	0.180	0.217	0.233	0.264	0.297	0.330	0.360
\$225,000	0.168	0.203	0.219	0.249	0.282	0.314	0.345
\$250,000	0.157	0.192	0.207	0.236	0.268	0.300	0.331
\$275,000	0.148	0.181	0.196	0.225	0.256	0.287	0.318
\$300,000	0.140	0.172	0.187	0.215	0.246	0.276	0.307
\$325,000	0.132	0.164	0.179	0.205	0.236	0.266	0.297
\$350,000	0.126	0.157	0.171	0.197	0.227	0.256	0.287
\$375,000	0.120	0.150	0.164	0.189	0.219	0.247	0.279
\$400,000	0.115	0.144	0.158	0.182	0.211	0.239	0.271
\$425,000	0.110	0.138	0.152	0.176	0.205	0.232	0.263
\$450,000	0.106	0.133	0.147	0.170	0.198	0.225	0.256
\$475,000	0.101	0.128	0.142	0.165	0.192	0.219	0.250
\$500,000	0.098	0.124	0.137	0.160	0.187	0.213	0.244
\$600,000	0.085	0.109	0.122	0.142	0.168	0.192	0.222
\$700,000	0.075	0.097	0.109	0.128	0.153	0.175	0.205
\$800,000	0.067	0.088	0.099	0.117	0.140	0.161	0.191
\$900,000	0.061	0.080	0.091	0.108	0.130	0.150	0.178
\$1,000,000	0.055	0.074	0.084	0.100	0.121	0.140	0.168
\$2,000,000	0.028	0.040	0.047	0.057	0.072	0.085	0.108
\$3,000,000	0.018	0.027	0.032	0.039	0.051	0.061	0.080
\$4,000,000	0.013	0.019	0.024	0.029	0.039	0.047	0.063
\$5,000,000	0.010	0.015	0.018	0.023	0.031	0.038	0.052
\$6,000,000	0.008	0.012	0.015	0.019	0.026	0.031	0.044
\$7,000,000	0.006	0.010	0.012	0.015	0.022	0.027	0.038
\$8,000,000	0.005	0.008	0.010	0.013	0.018	0.023	0.033
\$9,000,000	0.004	0.007	0.009	0.011	0.016	0.020	0.029
\$10,000,000	0.004	0.006	0.007	0.010	0.014	0.017	0.026

7.

Retrospective Development Factors

With Loss Limit			Without Loss Limit			4th & Subsequent Adjustment
1st Adj.	2nd Adj.	3rd Adj.	1st Adj.	2nd Adj.	3rd Adj.	
0.04	0.03	0.02	0.15	0.12	0.07	0.00



Table of Expense Ratios - Excluding Taxes and Including Profit and Contingencies

Type A: 2018-01

WC Premium Range From To	Expense Ratio	WC Premium Range From To	Expense Ratio	WC Premium Range From To	Expense Ratio
0 - 10,055	0.359	21,928 - 22,469	0.311	393,334 - 424,799	0.263
10,056 - 10,167	0.358	22,470 - 23,037	0.310	424,800 - 461,739	0.262
10,168 - 10,282	0.357	23,038 - 23,636	0.309	461,740 - 505,714	0.261
10,283 - 10,399	0.356	23,637 - 24,266	0.308	505,715 - 558,947	0.260
10,400 - 10,520	0.355	24,267 - 24,931	0.307	558,948 - 624,705	0.259
10,521 - 10,643	0.354	24,932 - 25,633	0.306	624,706 - 707,999	0.258
10,644 - 10,769	0.353	25,634 - 26,376	0.305	708,000 - 816,923	0.257
10,770 - 10,898	0.352	26,377 - 27,164	0.304	816,924 - 965,454	0.256
10,899 - 11,030	0.352	27,165 - 27,999	0.303	965,455 - 1,179,999	0.255
11,031 - 11,165	0.351	28,000 - 28,888	0.302	1,180,000 - 1,517,142	0.254
11,166 - 11,304	0.350	28,889 - 29,836	0.302	1,517,143 - 1,824,799	0.253
11,305 - 11,446	0.349	29,837 - 30,847	0.301	1,824,800 - 1,983,478	0.252
11,447 - 11,592	0.348	30,848 - 31,929	0.300	1,983,479 - 2,172,380	0.252
11,593 - 11,741	0.347	31,930 - 33,090	0.299	2,172,381 - 2,401,052	0.251
11,742 - 11,895	0.346	33,091 - 34,339	0.298	2,401,053 - 2,683,529	0.250
11,896 - 12,052	0.345	34,340 - 35,686	0.297	2,683,530 - 3,041,333	0.249
12,053 - 12,214	0.344	35,687 - 37,142	0.296	3,041,334 - 3,509,230	0.248
12,215 - 12,380	0.343	37,143 - 38,723	0.295	3,509,231 - 4,147,272	0.247
12,381 - 12,551	0.342	38,724 - 40,444	0.294	4,147,273 - 5,068,888	0.246
12,552 - 12,727	0.341	40,445 - 42,325	0.293	5,068,889 - 6,517,142	0.245
12,728 - 12,907	0.340	42,326 - 44,390	0.292	6,517,143 - 9,123,999	0.244
12,908 - 13,093	0.339	44,391 - 46,666	0.291	9,124,000 - 15,206,666	0.243
13,094 - 13,284	0.338	46,667 - 49,189	0.290	15,206,667 - 45,619,999	0.242
13,285 - 13,481	0.337	49,190 - 51,999	0.289	45,620,000 - And Above	0.241
13,482 - 13,684	0.336	52,000 - 55,151	0.288		
13,685 - 13,893	0.335	55,152 - 58,709	0.287		
13,894 - 14,108	0.334	58,710 - 62,758	0.286		
14,109 - 14,330	0.333	62,759 - 67,407	0.285		
14,331 - 14,559	0.332	67,408 - 72,799	0.284		
14,560 - 14,796	0.331	72,800 - 79,130	0.283		
14,797 - 15,041	0.330	79,131 - 86,666	0.282		
15,042 - 15,294	0.329	86,667 - 95,789	0.281		
15,295 - 15,555	0.328	95,790 - 107,058	0.280		
15,556 - 15,826	0.327	107,059 - 121,333	0.279		
15,827 - 16,106	0.327	121,334 - 139,999	0.278		
16,107 - 16,396	0.326	140,000 - 165,454	0.277		
16,397 - 16,697	0.325	165,455 - 200,377	0.277		
16,698 - 17,009	0.324	200,378 - 208,235	0.276		
17,010 - 17,333	0.323	208,236 - 216,734	0.275		
17,334 - 17,669	0.322	216,735 - 225,957	0.274		
17,670 - 18,019	0.321	225,958 - 235,999	0.273		
18,020 - 18,383	0.320	236,000 - 246,976	0.272		
18,384 - 18,762	0.319	246,977 - 259,024	0.271		
18,763 - 19,157	0.318	259,025 - 272,307	0.270		
19,158 - 19,569	0.317	272,308 - 287,027	0.269		
19,570 - 19,999	0.316	287,028 - 303,428	0.268		
20,000 - 20,449	0.315	303,429 - 321,818	0.267	First - 10,000	0.0%
20,450 - 20,919	0.314	321,819 - 342,580	0.266	Next - 190,000	9.1%
20,920 - 21,411	0.313	342,581 - 366,206	0.265	Next - 1,550,000	11.3%
21,412 - 21,927	0.312	366,207 - 393,333	0.264	Over - 1,750,000	12.3%
				Expected Loss Ratio:	0.602
				Tax Multiplier:	1.040



Table of Expense Ratios - Excluding Taxes and Including Profit and Contingencies

Type B: 2018-01

WC Premium Range		Expense Ratio
From	To	
0	10,099	0.359
10,100	10,303	0.358
10,304	10,515	0.357
10,516	10,736	0.356
10,737	10,967	0.355
10,968	11,208	0.354
11,209	11,460	0.353
11,461	11,724	0.352
11,725	11,999	0.352
12,000	12,289	0.351
12,290	12,592	0.350
12,593	12,911	0.349
12,912	13,246	0.348
13,247	13,599	0.347
13,600	13,972	0.346
13,973	14,366	0.345
14,367	14,782	0.344
14,783	15,223	0.343
15,224	15,692	0.342
15,693	16,190	0.341
16,191	16,721	0.340
16,722	17,288	0.339
17,289	17,894	0.338
17,895	18,545	0.337
18,546	19,245	0.336

WC Premium Range		Expense Ratio
From	To	
19,246	19,999	0.335
20,000	20,816	0.334
20,817	21,702	0.333
21,703	22,666	0.332
22,667	23,720	0.331
23,721	24,878	0.330
24,879	26,153	0.329
26,154	27,567	0.328
27,568	29,142	0.327
29,143	30,909	0.327
30,910	32,903	0.326
32,904	35,172	0.325
35,173	37,777	0.324
37,778	40,799	0.323
40,800	44,347	0.322
44,348	48,571	0.321
48,572	53,684	0.320
53,685	59,999	0.319
60,000	67,999	0.318
68,000	78,461	0.317
78,462	92,727	0.316
92,728	113,333	0.315
113,334	145,714	0.314
145,715	200,606	0.313
200,607	213,548	0.312

WC Premium Range		Expense Ratio
From	To	
213,549	228,275	0.311
228,276	245,185	0.310
245,186	264,799	0.309
264,800	287,826	0.308
287,827	315,238	0.307
315,239	348,421	0.306
348,422	389,411	0.305
389,412	441,333	0.304
441,334	509,230	0.303
509,231	601,818	0.302
601,819	735,555	0.302
735,556	945,714	0.301
945,715	1,323,999	0.300
1,324,000	1,809,565	0.299
1,809,566	1,981,904	0.298
1,981,905	2,190,526	0.297
2,190,527	2,448,235	0.296
2,448,236	2,774,666	0.295
2,774,667	3,201,538	0.294
3,201,539	3,783,636	0.293
3,783,637	4,624,444	0.292
4,624,445	5,945,714	0.291
5,945,715	8,323,999	0.290
8,324,000	13,873,333	0.289
13,873,334	41,619,999	0.288
41,620,000	And Above	0.287
First	10,000	0.0%
Next	190,000	5.1%
Next	1,550,000	6.5%
Over	1,750,000	7.5%
Expected Loss Ratio:		0.602
Tax Multiplier:		1.040



**Table of Expense Ratios - Excluding Allocated Loss Adjustment
Expense and Taxes and Including Profit and Contingencies**

Type A: 2018-01

WC Premium Range		Expense Ratio	WC Premium Range		Expense Ratio	WC Premium Range		Expense Ratio
From	To		From	To		From	To	
0	- 10,055	0.279	21,928	- 22,469	0.231	393,334	- 424,799	0.183
10,056	- 10,167	0.278	22,470	- 23,037	0.230	424,800	- 461,739	0.182
10,168	- 10,282	0.277	23,038	- 23,636	0.229	461,740	- 505,714	0.181
10,283	- 10,399	0.276	23,637	- 24,266	0.228	505,715	- 558,947	0.180
10,400	- 10,520	0.275	24,267	- 24,931	0.227	558,948	- 624,705	0.179
10,521	- 10,643	0.274	24,932	- 25,633	0.226	624,706	- 707,999	0.178
10,644	- 10,769	0.273	25,634	- 26,376	0.225	708,000	- 816,923	0.177
10,770	- 10,898	0.272	26,377	- 27,164	0.224	816,924	- 965,454	0.176
10,899	- 11,030	0.271	27,165	- 27,999	0.223	965,455	- 1,179,999	0.175
11,031	- 11,165	0.270	28,000	- 28,888	0.222	1,180,000	- 1,517,142	0.174
11,166	- 11,304	0.270	28,889	- 29,836	0.221	1,517,143	- 1,824,799	0.173
11,305	- 11,446	0.269	29,837	- 30,847	0.220	1,824,800	- 1,983,478	0.172
11,447	- 11,592	0.268	30,848	- 31,929	0.220	1,983,479	- 2,172,380	0.171
11,593	- 11,741	0.267	31,930	- 33,090	0.219	2,172,381	- 2,401,052	0.170
11,742	- 11,895	0.266	33,091	- 34,339	0.218	2,401,053	- 2,683,529	0.170
11,896	- 12,052	0.265	34,340	- 35,686	0.217	2,683,530	- 3,041,333	0.169
12,053	- 12,214	0.264	35,687	- 37,142	0.216	3,041,334	- 3,509,230	0.168
12,215	- 12,380	0.263	37,143	- 38,723	0.215	3,509,231	- 4,147,272	0.167
12,381	- 12,551	0.262	38,724	- 40,444	0.214	4,147,273	- 5,068,888	0.166
12,552	- 12,727	0.261	40,445	- 42,325	0.213	5,068,889	- 6,517,142	0.165
12,728	- 12,907	0.260	42,326	- 44,390	0.212	6,517,143	- 9,123,999	0.164
12,908	- 13,093	0.259	44,391	- 46,666	0.211	9,124,000	- 15,206,666	0.163
13,094	- 13,284	0.258	46,667	- 49,189	0.210	15,206,667	- 45,619,999	0.162
13,285	- 13,481	0.257	49,190	- 51,999	0.209	45,620,000	- And Above	0.161
13,482	- 13,684	0.256	52,000	- 55,151	0.208			
13,685	- 13,893	0.255	55,152	- 58,709	0.207			
13,894	- 14,108	0.254	58,710	- 62,758	0.206			
14,109	- 14,330	0.253	62,759	- 67,407	0.205			
14,331	- 14,559	0.252	67,408	- 72,799	0.204			
14,560	- 14,796	0.251	72,800	- 79,130	0.203			
14,797	- 15,041	0.250	79,131	- 86,666	0.202			
15,042	- 15,294	0.249	86,667	- 95,789	0.201			
15,295	- 15,555	0.248	95,790	- 107,058	0.200			
15,556	- 15,826	0.247	107,059	- 121,333	0.199			
15,827	- 16,106	0.246	121,334	- 139,999	0.198			
16,107	- 16,396	0.245	140,000	- 165,454	0.197			
16,397	- 16,697	0.245	165,455	- 200,377	0.196			
16,698	- 17,009	0.244	200,378	- 208,235	0.195			
17,010	- 17,333	0.243	208,236	- 216,734	0.195			
17,334	- 17,669	0.242	216,735	- 225,957	0.194			
17,670	- 18,019	0.241	225,958	- 235,999	0.193			
18,020	- 18,383	0.240	236,000	- 246,976	0.192			
18,384	- 18,762	0.239	246,977	- 259,024	0.191			
18,763	- 19,157	0.238	259,025	- 272,307	0.190			
19,158	- 19,569	0.237	272,308	- 287,027	0.189			
19,570	- 19,999	0.236	287,028	- 303,428	0.188			
20,000	- 20,449	0.235	303,429	- 321,818	0.187	First	- 10,000	0.0%
20,450	- 20,919	0.234	321,819	- 342,580	0.186	Next	- 190,000	9.1%
20,920	- 21,411	0.233	342,581	- 366,206	0.185	Next	- 1,550,000	11.3%
21,412	- 21,927	0.232	366,207	- 393,333	0.184	Over	- 1,750,000	12.3%
						Expected Loss and ALAE Ratio:		0.682
						Tax Multiplier:		1.040



**Table of Expense Ratios - Excluding Allocated Loss Adjustment
Expense and Taxes and Including Profit and Contingencies**

Type B: 2018-01

WC Premium Range		Expense Ratio
From	To	
0	10,099	0.279
10,100	10,303	0.278
10,304	10,515	0.277
10,516	10,736	0.276
10,737	10,967	0.275
10,968	11,208	0.274
11,209	11,460	0.273
11,461	11,724	0.272
11,725	11,999	0.271
12,000	12,289	0.270
12,290	12,592	0.270
12,593	12,911	0.269
12,912	13,246	0.268
13,247	13,599	0.267
13,600	13,972	0.266
13,973	14,366	0.265
14,367	14,782	0.264
14,783	15,223	0.263
15,224	15,692	0.262
15,693	16,190	0.261
16,191	16,721	0.260
16,722	17,288	0.259
17,289	17,894	0.258
17,895	18,545	0.257
18,546	19,245	0.256

WC Premium Range		Expense Ratio
From	To	
19,246	19,999	0.255
20,000	20,816	0.254
20,817	21,702	0.253
21,703	22,666	0.252
22,667	23,720	0.251
23,721	24,878	0.250
24,879	26,153	0.249
26,154	27,567	0.248
27,568	29,142	0.247
29,143	30,909	0.246
30,910	32,903	0.245
32,904	35,172	0.245
35,173	37,777	0.244
37,778	40,799	0.243
40,800	44,347	0.242
44,348	48,571	0.241
48,572	53,684	0.240
53,685	59,999	0.239
60,000	67,999	0.238
68,000	78,461	0.237
78,462	92,727	0.236
92,728	113,333	0.235
113,334	145,714	0.234
145,715	200,606	0.233
200,607	213,548	0.232

WC Premium Range		Expense Ratio
From	To	
213,549	228,275	0.231
228,276	245,185	0.230
245,186	264,799	0.229
264,800	287,826	0.228
287,827	315,238	0.227
315,239	348,421	0.226
348,422	389,411	0.225
389,412	441,333	0.224
441,334	509,230	0.223
509,231	601,818	0.222
601,819	735,555	0.221
735,556	945,714	0.220
945,715	1,323,999	0.220
1,324,000	1,809,565	0.219
1,809,566	1,981,904	0.218
1,981,905	2,190,526	0.217
2,190,527	2,448,235	0.216
2,448,236	2,774,666	0.215
2,774,667	3,201,538	0.214
3,201,539	3,783,636	0.213
3,783,637	4,624,444	0.212
4,624,445	5,945,714	0.211
5,945,715	8,323,999	0.210
8,324,000	13,873,333	0.209
13,873,334	41,619,999	0.208
41,620,000	And Above	0.207
First	10,000	0.0%
Next	190,000	5.1%
Next	1,550,000	6.5%
Over	1,750,000	7.5%
Expected Loss and ALAE Ratio:		0.682
Tax Multiplier:		1.040



Iowa

Workers Compensation Rate Filing – June 1, 2018

Part 3 Additional Information

- NCCI Affiliate List
- Key Contacts



Iowa

Workers Compensation Rate Filing – June 1, 2018

NCCI Affiliate List

A M C O INSURANCE COMPANY
ACADIA INSURANCE COMPANY
ACCIDENT FUND GENERAL INS CO
ACCIDENT FUND INS CO OF AMERICA
ACCIDENT FUND NATIONAL INS CO
ACE AMERICAN INSURANCE COMPANY
ACE FIRE UNDERWRITERS INSURANCE COMPANY
ACE PROPERTY & CASUALTY INSURANCE COMPANY
ACIG INS CO
ACUITY A MUTUAL INS COMPANY
ADDISON INSURANCE COMPANY
ADVANTAGE WC INSURANCE CO
AIG ASSURANCE COMPANY
AIG PROPERTY CASUALTY COMPANY
AIU INSURANCE CO (NATIONAL UNION FIRE OF PITTS PA)
AK NATIONAL INS CO
ALLIED EASTERN IND CO
ALLIED INSURANCE COMPANY OF AMERICA
ALLIED PROPERTY AND CASUALTY INS CO
ALLMERICA FINANCIAL ALLIANCE INS CO
ALLMERICA FINANCIAL BENEFIT INS CO
AMERICAN ALTERNATIVE INSURANCE CORPORATION
AMERICAN AUTOMOBILE INSURANCE CO
AMERICAN BUSINESS AND MERCANTILE INS MUTUAL INC
AMERICAN CASUALTY COMPANY OF READING P A
AMERICAN COMPENSATION INS CO
AMERICAN ECONOMY INS CO
AMERICAN FAMILY HOME INS CO
AMERICAN FAMILY INS CO
AMERICAN FAMILY MUTUAL INSURANCE COMPANY, S.I.
AMERICAN FIRE AND CASUALTY CO
AMERICAN GUARANTEE AND LIABILITY INS CO
AMERICAN HOME ASSUR CO-NATIONAL UNION FIRE OF PIT
AMERICAN INS CO
AMERICAN INTERSTATE INS CO
AMERICAN MINING INS CO
AMERICAN MODERN HOME INS CO
AMERICAN NATIONAL PROPERTY AND CASUALTY CO
AMERICAN SELECT INS CO
AMERICAN STATES INS CO A SAFECO COMPANY
AMERICAN ZURICH INS CO
AMERISURE INS CO
AMERISURE MUTUAL INS CO
AMERISURE PARTNERS INS CO
AMGUARD INS CO
AMTRUST INSURANCE CO OF KS INC
ARCH INSURANCE COMPANY
ARGONAUT GREAT CENTRAL INS CO
ARGONAUT INS CO
ARGONAUT MIDWEST INS CO
ASSOCIATED INDEMNITY CORP
ASSOCIATION CASUALTY INS CO
ATLANTA INTERNATIONAL INS CO
ATLANTIC SPECIALTY INS CO (ONEBEACON)
ATLANTIC STATES INS CO
AUSTIN MUTUAL INSURANCE COMPANY
AUTO OWNERS INS CO
BADGER MUTUAL INS CO
BANKERS STANDARD INS CO
BEARING MIDWEST CAUSALTY COMPANY
BENCHMARK INSURANCE COMPANY
BERKLEY INSURANCE COMPANY
BERKLEY NATIONAL INSURANCE COMPANY
BERKLEY REGIONAL INS CO
BERKSHIRE HATHAWAY DIRECT INSURANCE COMPANY
BERKSHIRE HATHAWAY HOMESTATE INS CO
BITCO GENERAL INSURANCE CORPORATION
BITCO NATIONAL INSURANCE COMPANY
BLACKBOARD INSURANCE COMPANY
BRICKSTREET MUTUAL INS CO
BROTHERHOOD MUTUAL INS CO
CALIFORNIA INSURANCE COMPANY
CAROLINA CASUALTY INS CO
CELINA MUTUAL INS CO
CHARTER OAK FIRE INS CO
CHEROKEE INS CO
CHUBB INDEMNITY INS CO
CHUBB NATIONAL INS CO
CHURCH MUTUAL INS CO
CINCINNATI CASUALTY COMPANY
CINCINNATI INDEMNITY COMPANY
CINCINNATI INS CO
CITIZENS INS CO OF AMERICA
CLERMONT INS CO
COLONIAL AMERICAN CASUALTY & SURETY CO
COLUMBIA MUTUAL INSURANCE CO
COLUMBIA NATIONAL INS CO
COMMERCE AND INDUSTRY INS CO
COMMERCIAL CASUALTY INS CO
CONSOLIDATED INS CO
CONTINENTAL CASUALTY CO
CONTINENTAL INDEMNITY CO
CONTINENTAL INS CO
CONTINENTAL WESTERN INSURANCE COMPANY
CRESTBROOK INS CO
CRUM AND FORSTER INDEMNITY CO
DAKOTA TRUCK UNDERWRITERS
DEPOSITORS INS CO
DIAMOND INS CO
DISCOVER PROPERTY & CASUALTY INS CO
DONEGAL MUTUAL INS CO
EASTERN ADVANTAGE ASSURANCE COMPANY
EASTERN ALLIANCE INSURANCE COMPANY
EASTGUARD INS CO
ELECTRIC INS CO
EMC PROPERTY & CASUALTY COMPANY
EMCASCO INS CO
EMPLOYERS ASSURANCE COMPANY
EMPLOYERS COMPENSATION INS CO
EMPLOYERS INS CO OF WAUSAU
EMPLOYERS MUTUAL CASUALTY CO
EMPLOYERS PREFERRED INS CO
ENDURANCE AMERICAN INS CO
ENDURANCE ASSURANCE CORPORATION
EVEREST DENALI INSURANCE COMPANY
EVEREST NATIONAL INS CO
EVEREST PREMIER INSURANCE COMPANY
EVEREST REINSURANCE CO DIRECT
EXECUTIVE RISK INDEMNITY INC
EXPLORER INS CO



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Workers Compensation Rate Filing – June 1, 2018

NCCI Affiliate List

FALLS LAKE NATIONAL INSURANCE CO
FARM BUREAU PROPERTY & CASUALTY INS CO
FARMERS INSURANCE EXCHANGE
FARMINGTON CASUALTY COMPANY
FARMLAND MUTUAL INSURANCE COMPANY
FEDERAL INSURANCE COMPANY
FEDERATED MUTUAL INS CO
FEDERATED RESERVE INSURANCE CO
FEDERATED RURAL ELECTRIC INS EXCHANGE
FEDERATED SERVICE INS CO
FIDELITY & DEPOSIT COMPANY OF MARYLAND
FIDELITY & GUARANTY INS UNDERWRITERS
FIDELITY & GUARANTY INSURANCE CO
FIRE INS EXCHANGE
FIREMANS FUND INSURANCE CO
FIREMENS INS CO OF WASHINGTON DC
FIRST DAKOTA INDEMNITY CO
FIRST LIBERTY INS CORP
FIRST NATIONAL INS CO OF AMERICA
FIRSTCOMP INSURANCE CO
FLORISTS MUTUAL INSURANCE CO
FOREMOST INS CO GRAND RAPIDS MICHIGAN
FOREMOST PROPERTY & CAS INS
FOREMOST SIGNATURE INS CO
FRANK WINSTON CRUM INSURANCE CO
GENERAL CASUALTY COMPANY OF WISCONSIN
GENERAL CASUALTY INSURANCE COMPANY
GENERAL INS CO OF AMERICA
GENESIS INS CO
GRANITE STATE INSURANCE COMPANY
GRAPHIC ARTS MUTUAL INS CO
GRAY INSURANCE COMPANY
GREAT AMERICAN ALLIANCE INS CO
GREAT AMERICAN ASSURANCE COMPANY
GREAT AMERICAN INS CO OF NY
GREAT AMERICAN INSURANCE COMPANY
GREAT AMERICAN SPIRIT INS CO
GREAT DIVIDE INSURANCE COMPANY
GREAT MIDWEST INS CO
GREAT NORTHERN INS CO
GREAT WEST CASUALTY COMPANY
GREATER NY MUTUAL INS CO
GREENWICH INS CO
GRINNELL MUTUAL REINSURANCE CO
GRINNELL SELECT INS CO
GUARANTEE INS CO
GUIDEONE ELITE INS CO
GUIDEONE MUTUAL INS CO
HANOVER AMERICAN INS CO
HANOVER INS CO
HARLEYSVILLE INSURANCE COMPANY
HARLEYSVILLE LAKE STATES INSURANCE COMPANY
HARLEYSVILLE PREFERRED INSURANCE CO
HARLEYSVILLE WORCESTER INSURANCE CO
HARTFORD ACCIDENT AND INDEMNITY CO
HARTFORD CASUALTY INS CO
HARTFORD FIRE INSURANCE CO
HARTFORD INS CO OF IL
HARTFORD INS CO OF MIDWEST
HARTFORD INS CO OF THE SOUTHEAST
HARTFORD UNDERWRITERS INS CO
HASTINGS MUTUAL INS CO
HAWKEYE-SECURITY INS CO
HDI GLOBAL INSURANCE COMPANY
IA AMERICAN INS CO
IA LONG TERM CARE RISK MGMT ASSN
IA MUTUAL INS CO
IL EMCASCO INS CO
ILLINOIS CASUALTY COMPANY
ILLINOIS INSURANCE COMPANY
ILLINOIS NATIONAL INSURANCE COMPANY
IMPERIUM INSURANCE COMPANY
IMT INS CO
INDEMNITY INS CO OF N AMERICA (INA INS) (CT GEN)
INDIANA INSURANCE COMPANY
INS CO OF NORTH AMERICA
INS CO OF THE STATE PA
INS CO OF THE WEST
INTEGRITY MUTUAL INS CO
INTEGRITY PROPERTY & CASUALTY INS CO
INTREPID INSURANCE COMPANY
LAFAYETTE INS CO
LE MARS INS CO
LIBERTY INS CORP
LIBERTY INSURANCE UNDERWRITERS INC
LIBERTY MUTUAL FIRE INS CO
LIBERTY MUTUAL INS CO
LM INS CORP
MA BAY INS CO
MANUFACTURERS ALLIANCE INS CO
MARKEL AMERICAN INSURANCE CO
MARKEL INSURANCE CO
MEMIC INDEMNITY CO
MERIDIAN SECURITY INSURANCE COMPANY
MID CENTURY INS CO
MIDDLESEX INS CO
MIDVALE INDEMNITY COMPANY
MIDWEST BUILDERS CASUALTY MUTUAL COMPANY
MIDWEST EMPLOYERS CASUALTY CO
MIDWEST FAMILY ADVANTAGE INSURANCE CO
MIDWEST FAMILY MUTUAL INS CO
MIDWEST INS CO
MIDWESTERN INDEMNITY CO
MILBANK INSURANCE COMPANY
MILFORD CASUALTY INSURANCE CO
MITSUI SUMITOMO INS CO OF AMERICA
MITSUI SUMITOMO INS USA INC
MOTORISTS COMMERCIAL MUTUAL INSURANCE COMPANY
NATIONAL AMERICAN INS CO
NATIONAL CASUALTY CO
NATIONAL FIRE INS CO OF HARTFORD
NATIONAL INTERSTATE INS CO
NATIONAL LIABILITY & FIRE INSURANCE CO
NATIONAL SURETY CORP
NATIONAL UNION FIRE INS CO OF PITTSBURGH PA
NATIONWIDE AGRIBUSINESS INS CO
NATIONWIDE MUTUAL FIRE INS CO
NATIONWIDE MUTUAL INS CO
NETHERLANDS INSURANCE COMPANY
NEW HAMPSHIRE INSURANCE COMPANY



Iowa

Workers Compensation Rate Filing – June 1, 2018

NCCI Affiliate List

NEW YORK MARINE AND GENERAL INSURANCE CO
NORGUARD INS CO
NORTH AMERICAN ELITE INSURANCE CO
NORTH AMERICAN SPECIALTY INS CO
NORTH POINTE INS CO
NORTH RIVER INS CO
NORTHSTONE INSURANCE COMPANY
NOVA CASUALTY COMPANY
OAK RIVER INSURANCE COMPANY
OBI AMERICA INSURANCE COMPANY
OBI NATIONAL INSURANCE COMPANY
OH CASUALTY INS CO
OH FARMERS INS CO
OHIO SECURITY INS CO
OLD REPUBLIC GENERAL INSURANCE CORPORATION
OLD REPUBLIC INS CO
OWNERS INSURANCE COMPANY
PA MANUFACTURERS ASSN INS CO
PA MANUFACTURERS INDEMNITY CO
PACIFIC EMPLOYERS INS CO
PACIFIC INDEMNITY CO
PACIFIC INS CO LTD
PARTNERS MUTUAL INS CO
PATRONS MUTUAL INS CO OF CT
PEERLESS INDEMNITY INS CO
PEERLESS INSURANCE COMPANY
PEKIN INS CO
PENN MILLERS INS CO
PENNSYLVANIA INSURANCE COMPANY
PETROLEUM CASUALTY CO
PHARMACISTS MUTUAL INS CO
PHOENIX INS CO
PINNACLEPOINT INSURANCE COMPANY
PIONEER SPECIALTY INSURANCE COMPANY
PLAZA INSURANCE CO
PRAETORIAN INSURANCE COMPANY
PREFERRED PROFESSIONAL INSURANCE COMPANY
PREVISOR INSURANCE COMPANY
PROPERTY AND CASUALTY INS CO OF HARTFORD
PROSELECT INSURANCE COMPANY
PROTECTIVE INS CO
QBE INSURANCE CORPORATION
REDWOOD FIRE & CASUALTY INS CO
REGENT INSURANCE COMPANY
REPUBLIC INDEMNITY COMPANY OF AMERICA
RIVERPORT INSURANCE COMPANY
RLI INSURANCE COMPANY
ROCKWOOD CASUALTY INS CO
RURAL TRUST INSURANCE COMPANY
SAFECO INS CO OF AMERICA
SAFETY FIRST INS CO
SAFETY NATIONAL CASUALTY CORP
SAGAMORE INSURANCE CO
SAMSUNG FIRE AND MARINE INS CO LTD USB
SEABRIGHT INSURANCE CO (CLEARSPRING)
SECURA INSURANCE A MUTUAL CO
SECURA SUPREME INS CO
SECURITY NATIONAL INS CO (AMTRUST GROUP)
SELECTIVE INS CO OF SC
SELECTIVE INS CO OF THE SOUTHEAST
SELECTIVE INSURANCE COMPANY OF AMERICA
SELECTIVE WAY INS CO
SENECA INSURANCE CO
SENTINEL INS CO
SENTRY CASUALTY CO
SENTRY INSURANCE A MUTUAL CO
SENTRY SELECT INSURANCE COMPANY
SEQUOIA INSURANCE CO
SFM MUTUAL INS CO
SFM SELECT INSURANCE COMPANY
SOCIETY INSURANCE A MUTUAL COMPANY
SOMPO AMERICA FIRE & MARINE INSURANCE COMPANY
SOMPO AMERICA INSURANCE COMPANY
SOUTHERN INS CO
ST PAUL FIRE AND MARINE INS CO
ST PAUL GUARDIAN INS CO
ST PAUL MERCURY INS CO
ST PAUL PROTECTIVE INS CO
STANDARD FIRE INSURANCE COMPANY
STAR INS CO
STARNET INSURANCE COMPANY
STARR INDEMNITY AND LIABILITY CO
STARR SPECIALTY INSURANCE COMPANY
STARSTONE NATIONAL INSURANCE COMPANY
STATE AUTO PROPERTY AND CASUALTY INS CO
STATE AUTOMOBILE MUTUAL INS CO
STATE FARM FIRE AND CASUALTY CO
STATE NATIONAL INSURANCE COMPANY
STONINGTON INS CO
SUMMITPOINT INSURANCE COMPANY
SUNZ INSURANCE COMPANY
T H E INSURANCE COMPANY
TECHNOLOGY INSURANCE CO
THE TRAVELERS CASUALTY COMPANY
TNUS INSURANCE CO
TOKIO MARINE AMERICA INSURANCE CO
TRANS PACIFIC INS CO
TRANSGUARD INS CO OF AMERICA INC
TRANSPORTATION INS CO
TRAVELERS CASUALTY AND SURETY CO
TRAVELERS CASUALTY INS CO OF AMERICA
TRAVELERS INDEMNITY CO
TRAVELERS INDEMNITY CO OF AMERICA
TRAVELERS INDEMNITY CO OF CT
TRAVELERS INSURANCE CO
TRAVELERS PROPERTY CASUALTY CO OF AMERICA
TRI STATE INSURANCE COMPANY OF MINNESOTA
TRIANGLE INSURANCE COMPANY INC
TRIUMPHE CASUALTY COMPANY
TRUCK INSURANCE EXCHANGE
TRUMBULL INS CO
TWIN CITY FIRE INS CO
UNION INS CO OF PROVIDENCE
UNION INSURANCE COMPANY
UNITED FIRE AND CASUALTY CO
UNITED STATES FIDELITY AND GUARANTY CO
UNITED WI INS CO
US FIRE INS CO
UTICA MUTUAL INS CO
VALLEY FORGE INS CO



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Workers Compensation Rate Filing – June 1, 2018

NCCI Affiliate List

VANLINER INS CO
VANTAPRO SPECIALTY INS CO
VIGILANT INS CO
WADENA INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY
WAUSAU UNDERWRITERS INSURANCE COMPANY
WESCO INSURANCE COMPANY (AMTRUST GROUP)
WEST AMERICAN INS CO
WEST BEND MUTUAL INS CO
WESTCHESTER FIRE INSURANCE COMPANY
WESTERN AGRICULTURAL INS CO
WESTERN NATIONAL ASSURANCE CO
WESTERN NATIONAL MUTUAL INS CO
WESTFIELD INS CO
WESTFIELD NATIONAL INS CO
WESTPORT INSURANCE CORPORATION
WILLIAMSBURG NATIONAL INS CO
WORK FIRST CASUALTY CO
XL INS CO OF NY INC
XL INSURANCE AMERICA INC
XL SPECIALTY INS CO
ZENITH INS CO
ZNAT INS CO
ZURICH AMERICAN INS CO
ZURICH AMERICAN INS CO OF IL



Iowa

Workers Compensation Rate Filing – June 1, 2018

Key Contacts

Clarissa Preston
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Brett Foster, FCAS, MAAA
Manager and Associate Actuary
Actuarial and Economic Services Division
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Boca Raton, FL 33487-1362
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All NCCI employees can be contacted via e-mail using the following format:

First Name_Last Name@NCCI.com

SERFF Tracking #:

NCCI-131443711

State Tracking #:

Company Tracking #:

IOWA LAW ONLY 06012018

State: *Iowa* **Filing Company:** *National Council on Compensation Insurance, Inc.*
TOI/Sub-TOI: *16.0 Workers Compensation/16.0004 Standard WC*
Product Name: *Iowa Voluntary and Assigned Risk Rates and Rating Values Law-Only Filing Proposed Effective June 1, 2018*
Project Name/Number: */*

Supporting Document Schedules

Bypassed - Item:	Filing Fee Information
Bypass Reason:	NA
Attachment(s):	
Item Status:	
Status Date:	
Satisfied - Item:	Cover letter
Comments:	
Attachment(s):	IA 6.1.18 Cover Letter.pdf
Item Status:	
Status Date:	



**National Council on
Compensation Insurance**

Clarissa Preston
State Relations Executive
Regulatory Division

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(F) 561-893-5789
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March 30, 2018

Honorable Doug Ommen
Insurance Commissioner
Iowa Insurance Division
601 Locust St., 4th Floor
Des Moines, IA 50309-3738

Re: Iowa Voluntary and Assigned Risk Rates and Rating Values Law-Only Filing Proposed Effective June 1, 2018

Dear Commissioner Ommen:

In accordance with the applicable statutes and regulations of the state of Iowa, we are filing for your consideration and approval advisory prospective rates and rating values for the Iowa voluntary and assigned risk markets to become effective June 1, 2018 for new and renewal policies.

This filing proposes an overall decrease of 1.9% in voluntary and in assigned risk rates. The advisory prospective rates of the voluntary market are used as a basis for the rates in the assigned risk market.

This proposed decrease stems from the changes contained in the Tax Cuts and Jobs Act of 2017 ("TCJA"), as explained in Exhibit I.

This filing is made exclusively on behalf of the companies that have given valid consideration for the express purpose of fulfilling regulatory rate or pure premium filing requirements and other private use of this information.

In the enclosed appendix is a list of companies which, as of the time this filing is submitted, are eligible to reference this information. The inclusion of a company on this list merely indicates that the company, or the group to which it belongs, is affiliated with NCCI in this state, or has licensed this information as a non-affiliate, and is not intended to indicate whether the company is currently writing business or is even licensed to write business in this state.



**National Council on
Compensation Insurance**

The Honorable Doug Ommen

Page 2

March 30, 2018

As always, if you should have any questions or need additional information, please do not hesitate to contact Brett Foster at (561) 893-3121 or me at (561) 945-4517.

Respectfully submitted,

National Council on Compensation Insurance, Inc.

A handwritten signature in blue ink that reads "Clarissa Preston". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Clarissa Preston
State Relations Executive
Regulatory Division