#### PENNSYLVANIA COMPENSATION RATING BUREAU

Summary of Material for Modification of Experience April 1, 2018 Loss Cost Revision

## PENNSYLVANIA 2018 LOSS COST FILING

#### **EFFECTIVE DATE - April 1, 2018**

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## EXHIBIT I

#### **INDICATED CHANGE IN LOSS COSTS**

		Indemnity	<u>Medical</u>	<u>Total</u>
(1)	Policy Year 2013 Ratio of Loss to Expected Loss	0.5023	0.5420	1.0443
(2)	Policy Year 2014 Ratio of Loss to Expected Loss	0.4902	0.5288	1.0190
(3)	Policy Year 2015 Ratio of Loss to Expected Loss	0.4896	0.4954	0.9850
(4)	Average (Midpoint = 1/1/2015)	0.4940	0.5221	1.0161
(5)	Policy Year 2013 Ratio Trended to 4/1/2019 +	0.4591	0.5029	0.9620
(6)	Policy Year 2014 Ratio Trended to 4/1/2019 +	0.4557	0.4970	0.9527
(7)	Policy Year 2015 Ratio Trended to 4/1/2019 +	0.4631	0.4725	0.9356
(8)	Average at 4/1/2019	0.4593	0.4908	0.9501
(9a)	House Bill 1846 Adjustment	1.0000	0.9908	
(9b)	Protz Adjustment	1.1337	1.0000	
(10)	Indicated Change in Loss Costs	0.5207	0.4863	1.0070

#### CHANGES IN MANUAL LOSS COST LEVEL BY INDUSTRY GROUP

		Mfg.	Cont.	<u>Other</u>	<u>Total</u>
` '	Current Collectible Premium Ratio Anticipated Collectible Premium Ratio	1.0362 1.0389	1.1145 1.1238	0.9915 0.9931	
(13)	Final Indicated Change in Manual Loss Cost Level (10T) * (12) / (11)	1.0096	1.0154	1.0086	1.0101

<sup>+</sup> Refer to pages 18 and 19

#### EXHIBIT II

# CALCULATION OF EMPLOYER ASSESSMENT FACTOR AND LOADING FOR LOSS BASED ASSESSMENTS

(1)	2016 PCRB Member Paid Loss*	2,399,639,002
(2)	2017/2018 Fiscal Year Membership Assessment Amount	
	<ul> <li>a. Administration Fund</li> <li>b. Subsequent Injury Fund</li> <li>c. Supersedeas Fund</li> <li>d. Uninsured Employers Guaranty Fund</li> <li>e. Total</li> </ul>	62,001,117 143,103 12,985,783 2,422,583 77,552,586
(3)	2016 Employer Assessment Premium Base	3,559,252,270
(4)	2017/2018 Fiscal Year Membership Assessment Rate	
	<ul> <li>a. Administration Fund (2a) / (3)</li> <li>b. Subsequent Injury Fund (2b) / (3)</li> <li>c. Supersedeas Fund (2c) / (3)</li> <li>d. Uninsured Employers Guaranty Fund (2d) / (3)</li> <li>e. Employer Assessment Factor (4a) + (4b) + (4c) + (4d)</li> </ul>	0.0174 0.0000 0.0036 0.0007 0.0217
(5)	2017/2018 Fiscal Year Budget for the Office of Small Business Advocate	275,000
(6)	2017/2018 Fiscal Year Membership Assessment Rate for the Office of Small Business Advocate (5) / (1)	0.0001
(7)	Merit Rating Plan Increment Factor	0.0032
(8)	Certified Safety Committee Program Increment Factor	0.0106
(9)	Overall Adjustment for the Office of Small Business Advocate, Merit Rating Plan and Certified Safety Committee Program (6) + (7) + (8)	0.0139

<sup>\*</sup> Loss payments on deductible policies have been adjusted to a first dollar basis.

(1)	Standard Earned Premium Reported (Table I)			1,595,283,043
(2)	Premium Development Factor to Ultimate Level (Exhibit V-1)			1.0083
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			1.0076
(5)	Factor to Remove Loss Based Assessments			0.9853
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4	l) * (5)		1,596,923,668
(7)	Loss Cost Change to 11/1/17 Level			0.9665
(8)	Expected Loss at Current Level (6) * (7)			1,543,426,725
Losse	es - Paid-to-29th Method	Indemnity	Medical	Total
(9)	Paid Losses Reported (Table I-D & I-E)	246,630,645	412,577,219	659,207,864
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	3.3897	1.9755	
(11)	Ultimate Incurred Losses (9) * (10)	836,003,897	815,046,296	1,651,050,193
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	836,003,897	815,046,296	1,651,050,193
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5417	0.5281	1.0698
Losses - Incurred Method				
(15)	Incurred Losses Reported (Table I-B & I-C)	406,187,268	570,486,086	976,673,354
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.6624	1.2517	
(17)	Ultimate Incurred Losses (15) * (16)	675,245,714	714,077,434	1,389,323,148
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	675,245,714	714,077,434	1,389,323,148
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.4375	0.4627	0.9002
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	755,624,806	764,561,865	1,520,186,671
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.4896	0.4954	0.9850
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.5340	0.5340	
(24)	Severity Ratio * (22) / (23)	0.9169	0.9278	1.8447

<sup>\*</sup> Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,621,563,685
(2)	Premium Development Factor to Ultimate Level (Exhib	Premium Development Factor to Ultimate Level (Exhibit V-1)		
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			1.0066
(5)	Factor to Remove Loss Based Assessments			0.9857
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4)	* (5)		1,608,441,924
(7)	Loss Cost Change to 11/1/17 Level			0.9113
(8)	Expected Loss at Current Level (6) * (7)			1,465,773,125
Losse	es - Paid-to-29th Method	Indemnity	Medical	Total
(9)	Paid Losses Reported (Table I-D & I-E)	436,799,506	538,727,874	975,527,380
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.7493	1.5622	
(11)	Ultimate Incurred Losses (9) * (10)	764,093,376	841,600,685	1,605,694,061
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	764,093,376	841,600,685	1,605,694,061
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5213	0.5742	1.0955
Losse	es - Incurred Method			
(15)	Incurred Losses Reported (Table I-B & I-C)	565,769,467	616,540,479	1,182,309,946
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1894	1.1494	
(17)	Ultimate Incurred Losses (15) * (16)	672,926,204	708,651,627	1,381,577,831
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	672,926,204	708,651,627	1,381,577,831
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.4591	0.4835	0.9426
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	718,509,790	775,126,156	1,493,635,946
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.4902	0.5288	1.0190
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.5829	0.5829	
(24)	Severity Ratio * (22) / (23)	0.8410	0.9072	1.7482

<sup>\*</sup> Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,630,099,417
(2)	Premium Development Factor to Ultimate Level (Exhi	ibit V-1)		0.9998
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			1.0067
(5)	Factor to Remove Loss Based Assessments			0.9853
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4	.) * (5)		1,616,574,694
(7)	Loss Cost Change to 11/1/17 Level			0.8679
(8)	Expected Loss at Current Level (6) * (7)			1,403,025,177
Losse	es - Paid-to-29th Method	Indemnity	Medical	Total
(9)	Paid Losses Reported (Table I-D & I-E)	540,005,496	555,282,219	1,095,287,715
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.3706	1.4501	
(11)	Ultimate Incurred Losses (9) * (10)	740,131,533	805,214,746	1,545,346,279
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	740,131,533	805,214,746	1,545,346,279
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5275	0.5739	1.1014
Losse	es - Incurred Method			
(15)	Incurred Losses Reported (Table I-B & I-C)	629,326,300	641,740,885	1,271,067,185
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0638	1.1154	
(17)	Ultimate Incurred Losses (15) * (16)	669,477,318	715,797,783	1,385,275,101
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	669,477,318	715,797,783	1,385,275,101
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.4772	0.5102	0.9874
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	704,804,426	760,506,265	1,465,310,691
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5023	0.5420	1.0443
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.6360	0.6360	
(24)	Severity Ratio * (22) / (23)	0.7898	0.8522	1.6420

<sup>\*</sup> Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,652,226,915
(2)	Premium Development Factor to Ultimate Level (Exhibit V-1)			1.0000
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			1.0067
(5)	Factor to Remove Loss Based Assessments			0.9858
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4)	* (5)		1,639,678,020
(7)	Loss Cost Change to 11/1/17 Level			0.8285
(8)	Expected Loss at Current Level (6) * (7)			1,358,473,240
Losse	es - Paid-to-29th Method	Indemnity	Medical	Total
(9)	Paid Losses Reported (Table I-D & I-E)	552,310,587	540,940,529	1,093,251,116
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.2370	1.3969	
(11)	Ultimate Incurred Losses (9) * (10)	683,208,196	755,639,825	1,438,848,021
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	683,208,196	755,639,825	1,438,848,021
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5029	0.5562	1.0591
Losse	es - Incurred Method			
(15)	Incurred Losses Reported (Table I-B & I-C)	615,205,664	587,904,549	1,203,110,213
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0274	1.1125	
(17)	Ultimate Incurred Losses (15) * (16)	632,062,299	654,043,811	1,286,106,110
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	632,062,299	654,043,811	1,286,106,110
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.4653	0.4815	0.9468
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	657,635,248	704,841,818	1,362,477,066
		0.4044	0.5188	1.0029
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.4841	0.5166	110020
(22)		0.4841	0.6508	022

<sup>\*</sup> Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,731,447,592
(2)	Premium Development Factor to Ultimate Level (Exh	ibit V-1)		1.0001
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			1.0057
(5)	Factor to Remove Loss Based Assessments			0.9862
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4	4) * (5)		1,717,458,400
(7)	Loss Cost Change to 11/1/17 Level			0.7980
(8)	Expected Loss at Current Level (6) * (7)			1,370,531,803
Losse	es - Paid-to-29th Method	Indemnity	Medical	Total
(9)	Paid Losses Reported (Table I-D & I-E)	610,965,237	585,561,271	1,196,526,508
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1817	1.3703	
(11)	Ultimate Incurred Losses (9) * (10)	721,977,621	802,394,610	1,524,372,231
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	721,977,621	802,394,610	1,524,372,231
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5268	0.5855	1.1123
Losse	es - Incurred Method			
(15)	Incurred Losses Reported (Table I-B & I-C)	652,364,081	629,184,365	1,281,548,446
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0197	1.1038	
(17)	Ultimate Incurred Losses (15) * (16)	665,215,653	694,493,702	1,359,709,355
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	665,215,653	694,493,702	1,359,709,355
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.4854	0.5067	0.9921
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	693,596,637	748,444,156	1,442,040,793
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5061	0.5461	1.0522
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.6955	0.6955	
(24)	Severity Ratio * (22) / (23)	0.7277	0.7852	1.5129

<sup>\*</sup> Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,661,122,036
(2)	Premium Development Factor to Ultimate Level (Exhib	oit V-1)		1.0002
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			1.0055
(5)	Factor to Remove Loss Based Assessments			0.9859
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4)	* (5)		1,647,036,908
(7)	Loss Cost Change to 11/1/17 Level			0.8045
(8)	Expected Loss at Current Level (6) * (7)			1,325,041,192
Losse	es - Paid-to-29th Method	Indemnity	Medical	Total
(9)	Paid Losses Reported (Table I-D & I-E)	637,884,831	577,651,984	1,215,536,815
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1460	1.3484	
(11)	Ultimate Incurred Losses (9) * (10)	731,016,016	778,905,935	1,509,921,951
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	731,016,016	778,905,935	1,509,921,951
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5517	0.5878	1.1395
Losse	es - Incurred Method			
(15)	Incurred Losses Reported (Table I-B & I-C)	669,471,174	632,800,603	1,302,271,777
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0140	1.1047	
(17)	Ultimate Incurred Losses (15) * (16)	678,843,770	699,054,826	1,377,898,596
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	678,843,770	699,054,826	1,377,898,596
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.5123	0.5276	1.0399
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	704,929,893	738,980,381	1,443,910,274
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5320	0.5577	1.0897
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.7419	0.7419	
(24)	Severity Ratio * (22) / (23)	0.7171	0.7517	1.4688

<sup>\*</sup> Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,578,120,060
(2)	Premium Development Factor to Ultimate Level (Exhibit V-1)			1.0000
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			0.9987
(5)	Factor to Remove Loss Based Assessments			0.9859
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4)	* (5)		1,553,845,938
(7)	Loss Cost Change to 11/1/17 Level			0.8008
(8)	Expected Loss at Current Level (6) * (7)			1,244,319,827
Losse	es - Paid-to-29th Method	Indemnity	Medical	Total
(9)	Paid Losses Reported (Table I-D & I-E)	622,237,889	533,900,739	1,156,138,628
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1256	1.3304	
(11)	Ultimate Incurred Losses (9) * (10)	700,390,968	710,301,543	1,410,692,511
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	700,390,968	710,301,543	1,410,692,511
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5629	0.5708	1.1337
Losse	es - Incurred Method			
(15)	Incurred Losses Reported (Table I-B & I-C)	644,870,680	574,580,269	1,219,450,949
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0088	1.0916	
(17)	Ultimate Incurred Losses (15) * (16)	650,545,542	627,211,822	1,277,757,364
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	650,545,542	627,211,822	1,277,757,364
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.5228	0.5041	1.0269
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	675,468,255	668,756,683	1,344,224,938
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5428	0.5374	1.0802
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.7528	0.7528	
(24)	Severity Ratio * (22) / (23)	0.7210	0.7138	1.4348

 $<sup>^{\</sup>star}\,$  Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,768,387,013
(2)	Premium Development Factor to Ultimate Level (Exhi	ibit V-1)		1.0000
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			0.9989
(5)	Factor to Remove Loss Based Assessments			0.9862
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4	.) * (5)		1,742,064,891
(7)	Loss Cost Change to 11/1/17 Level			0.7561
(8)	Expected Loss at Current Level (6) * (7)			1,317,175,264
Losse	es - Paid-to-29th Method	Indemnity	Medical	Total
(9)	Paid Losses Reported (Table I-D & I-E)	685,516,071	584,880,586	1,270,396,657
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1111	1.3135	
(11)	Ultimate Incurred Losses (9) * (10)	761,676,906	768,240,650	1,529,917,556
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	761,676,906	768,240,650	1,529,917,556
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5783	0.5832	1.1615
Losse	es - Incurred Method			
(15)	Incurred Losses Reported (Table I-B & I-C)	711,416,963	620,979,499	1,332,396,462
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0084	1.0925	
(17)	Ultimate Incurred Losses (15) * (16)	717,392,865	678,420,103	1,395,812,968
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	717,392,865	678,420,103	1,395,812,968
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.5446	0.5151	1.0597
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	739,534,886	723,330,377	1,462,865,263
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5615	0.5492	1.1107
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.7786	0.7786	
(24)	Severity Ratio * (22) / (23)	0.7212	0.7054	1.4266

<sup>\*</sup> Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,921,887,272
(2)	Premium Development Factor to Ultimate Level (Exh	ibit V-1)		1.0000
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			1.0013
(5)	Factor to Remove Loss Based Assessments			0.9873
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4		1,899,946,027	
(7)	Loss Cost Change to 11/1/17 Level	0.7102		
(8)	Expected Loss at Current Level (6) * (7)	1,349,341,668		
Losse	es - Paid-to-29th Method	Indemnity	Medical	Total
(9)	Paid Losses Reported (Table I-D & I-E)	732,423,301	644,965,724	1,377,389,025
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0981	1.2944	
(11)	Ultimate Incurred Losses (9) * (10)	804,274,027	834,843,633	1,639,117,660
(12)	Adjustment to Post-Act 44 Loss Levels			
(13)	Adjusted Losses (11) * (12)	1,639,117,660		
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.6187	1.2147	
Losse	es - Incurred Method			
(15)	Incurred Losses Reported (Table I-B & I-C)	759,875,681	683,097,618	1,442,973,299
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0081	1.0853	
(17)	Ultimate Incurred Losses (15) * (16)	766,030,674	741,365,845	1,507,396,519
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	766,030,674	741,365,845	1,507,396,519
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.5677	0.5494	1.1171
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	785,152,351	788,104,739	1,573,257,090
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5819	0.5841	1.1660
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.8427	0.8427	
(24)	Severity Ratio * (22) / (23)	0.6905	0.6931	1.3836

<sup>\*</sup> Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,863,649,787
(2)	Premium Development Factor to Ultimate Level (Exhi	ibit V-1)		1.0000
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			1.0019
(5)	Factor to Remove Loss Based Assessments			0.9897
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4		1,847,958,657	
(7)	Loss Cost Change to 11/1/17 Level		0.7036	
(8)	Expected Loss at Current Level (6) * (7)		1,300,223,711	
Losse	es - Paid-to-29th Method	Total		
(9)	Paid Losses Reported (Table I-D & I-E)	704,161,029	600,978,001	1,305,139,030
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0888	1.2759	
(11)	Ultimate Incurred Losses (9) * (10)	766,690,528	766,787,831	1,533,478,359
(12)	Adjustment to Post-Act 44 Loss Levels			
(13)	Adjusted Losses (11) * (12)	1,533,478,359		
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5897	1.1794	
Losse	es - Incurred Method			
(15)	Incurred Losses Reported (Table I-B & I-C)	730,928,075	641,590,242	1,372,518,317
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0063	1.0814	
(17)	Ultimate Incurred Losses (15) * (16)	735,532,922	693,815,688	1,429,348,610
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	735,532,922	693,815,688	1,429,348,610
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.5657	0.5336	1.0993
Losse	es - Average of Incurred and Paid-to-29th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	751,111,725	730,301,760	1,481,413,485
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5777	0.5617	1.1394
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.8950	0.8950	
(24)	Severity Ratio * (22) / (23)	0.6455	0.6276	1.2731

<sup>\*</sup> Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

## **EXHIBIT IV - 1**

## POLICY YEARS 2006 - 2011 PREMIUM ON-LEVEL FACTORS

POLICY YEAR	(1) LOSS COST DATE	(2) LOSS COST CHANGE	(3) CUM. INDEX OF COL (2)	(4) PORTION OF YEAR ON-LEVEL	(5) PRODUCT (3) * (4)	FACTOR TO ADJUST to 11/01/17 LC LEVEL
2006	4/01/05 4/01/06 4/01/07	BASE 0.9142 0.7248	1.0000 0.9142 0.6626	0.3203 0.6797	0.3203 0.6214	
	to 11/01/17	0.72.10	0.0020	1.0000	0.9417	0.7036
2007	4/01/06 4/01/07 4/01/08	BASE 1.0295 0.7040	1.0000 1.0295 0.7248	0.3043 0.6957	0.3043 0.7162	
	to 11/01/17	0.7040	0.7240	1.0000	1.0205	0.7102
2008	4/01/07 4/01/08 4/01/09	BASE 0.8978 0.7841	1.0000 0.8978 0.7040	0.3260 0.6740	0.3260 0.6051	
	to 11/01/17	0.7641	0.7040	1.0000	0.9311	0.7561
2009	4/01/08 4/01/09 4/01/10	BASE 0.9700 0.8084	1.0000 0.9700 0.7841	0.3039 0.6961	0.3039 0.6752	
	to 11/01/17			1.0000	0.9791	0.8008
2010	4/01/09 4/01/10 4/01/11	BASE 1.0068 0.8029	1.0000 1.0068 0.8084	0.2929 0.7071	0.2929 0.7119 	
	to 11/01/17			1.0000	1.0048	0.8045
2011	4/01/10 4/01/11 4/01/12	BASE 1.0087 0.7960	1.0000 1.0087 0.8029	0.2925 0.7075	0.2925 0.7137	
	to 11/01/17			1.0000	1.0062	0.7980

## **EXHIBIT IV - 2**

## POLICY YEARS 2012 - 2016 PREMIUM ON-LEVEL FACTORS

	(1)	(2)	<b>(3)</b> CUM.	<b>(4)</b> PORTION	(5)	FACTOR TO ADJUST
POLICY YEAR	LOSS COST DATE	LOSS COST CHANGE	INDEX OF COL (2)	OF YEAR ON-LEVEL	PRODUCT (3) * (4)	to 11/01/17 LC LEVEL
		01111101	<u> </u>	<u> </u>	(6) (1)	
2012	4/01/11	BASE	1.0000	0.3077	0.3077	
	4/01/12	0.9434	0.9434	0.6923	0.6531	
	4/01/13	0.8438	0.7960			
	to 11/01/17			1.0000	0.9608	0.8285
2013	4/01/12	BASE	1.0000	0.3067	0.3067	
	4/01/13	0.9599	0.9599	0.6933	0.6655	
	4/01/14	0.8790	0.8438			
	to 11/01/17			1.0000	0.9722	0.8679
0044	4/04/40	D.4.0.E	4 0000	0.0400	0.0400	
2014	4/01/13	BASE	1.0000	0.3123	0.3123	
	4/01/14 4/01/15	0.9485 0.9267	0.9485 0.8790	0.6877	0.6523	
	to 11/01/17	0.9207	0.6790	1.0000	0.9646	0.9113
	10 11/01/17			1.0000	0.9040	0.9113
2015	4/01/14	BASE	1.0000	0.3143	0.3143	
	4/01/15	0.9401	0.9401	0.6857	0.6446	
	4/01/16	0.9858	0.9268			
	to 11/01/17			1.0000	0.9589	0.9665
2016	4/01/15	BASE	1.0000	0.3029	0.3029	
	4/01/16	0.9910	0.9910	0.6971	0.6908	
	4/01/17	0.9947	0.9857			
	to 11/01/17			1.0000	0.9937	0.9919

#### EXHIBIT V - 1

#### DEVELOPMENT FACTORS

#### PREMIUM

Reports in Ratio	Policy <u>Year</u>	2015-2016 <u>Ratio</u>	Policy <u>Year</u>	2014-2015 <u>Ratio</u>	Policy <u>Year</u>	2013-2014 <u>Ratio</u>	Policy <u>Year</u>	2012-2013 <u>Ratio</u>	Unweighted Average	Selected Average	Cumulative Average
2nd to 1st 3rd to 2nd 4th to 3rd 5th to 4th 6th to 5th 7th to 6th 8th to 7th 9th to 8th 10th to 9th 11th to 10th 12th to 11th 13th to 12th 14th to 15th 17th to 16th 17th to 16th 18th to 17th 19th to 18th 20th to 19th 21st to 20th 22nd to 21st	Year  2014 2013 2012 2011 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994	Ratio  1.0078 1.0011 0.9997 0.9998 1.0003 1.0010 0.9999 1.0002 1.0000 1.0000 1.0000 1.0000 0.9999 1.0000 0.9999 1.0000 0.9999 1.0000 1.0000 1.0000	Year  2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993	Ratio  1.0099 0.9994 1.0002 1.0000	Year  2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992	Ratio  1.0073 1.0003 1.0002 0.9997 0.9999 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	Year  2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991	Ratio  1.0094 0.9987 0.9992 1.0001 1.0000 1.0000 0.9999 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	Average  1.0086 0.9999 0.9998 0.9999 1.0002 1.0000	Average  1.0086 0.9999 0.9998 0.9999 1.0002 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	Average  1.0083 0.9997 0.9998 1.0000 1.0001 1.0000
23rd to 22nd 24th to 23rd 25th to 24th 26th to 25th 27th to 26th 28th to 27th 29th to 28th	1993 1992 1991 1990 1989 1988 1987	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	1992 1991 1990 1989 1988 1987 1986	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	1991 1990 1989 1988 1987 1986	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	1990 1989 1988 1987 1986	1.0000 1.0000 1.0000 1.0000 1.0000	1.0000 1.0000 1.0000 1.0000 1.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000

Policy	Present	Premium
Year	Valuation	Development Factor
	·	· · · · · · · · · · · · · · · · · · ·
1988	Twenty-Eighth	1.0000
1989	Twenty-Seventh	1.0000
1990	Twenty-Sixth	1.0000
1991	Twenty-Fifth	1.0000
1992	Twenty-Fourth	1.0000
1993	Twenty-Third	1.0000
1994	Twenty-Second	1.0000
1995	Twenty-First	1.0000
1996	Twentieth	1.0000
1997	Nineteenth	1.0000
1998	Eighteenth	1.0000
1999	Seventeenth	1.0000
2000	Sixteenth	1.0000
2001	Fifteenth	1.0000
2002	Fourteenth	1.0000
2003	Thirteenth	1.0000
2004	Twelfth	1.0000
2005	Eleventh	1.0000
2006	Tenth	1.0000
2007	Ninth	1.0000
2008	Eighth	1.0000
2009	Seventh	1.0000
2010	Sixth	1.0002
2011	Fifth	1.0001
2012	Fourth	1.0000
2013	Third	0.9998
2014	Second	0.9997
2015	First	1.0083

#### EXHIBIT V - 2

#### **DEVELOPMENT FACTORS**

#### INDEMNITY LOSSES PAID METHOD

Reports in Ratio		Policy Year	2015-2016 Ratio	Policy Year	2014-2015 Ratio	Unweighted Average	Cumulative Average
<u></u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u>, wordgo</u>
2nd to 1st	а	2014	1.9560	2013	1.9193	1.9377	3.3897
3rd to 2nd	а	2013	1.2920	2012	1.2606	1.2763	1.7493
4th to 3rd	а	2012	1.1148	2011	1.1011	1.1080	1.3706
5th to 4th	а	2011	1.0443	2010	1.0493	1.0468	1.2370
6th to 5th	а	2010	1.0267	2009	1.0356	1.0312	1.1817
7th to 6th	а	2009	1.0231	2008	1.0131	1.0181	1.1460
8th to 7th	а	2008	1.0116	2007	1.0144	1.0130	1.1256
9th to 8th	а	2007	1.0107	2006	1.0131	1.0119	1.1111
10th to 9th	а	2006	1.0086	2005	1.0083	1.0085	1.0981
11th to 10th	а	2005	1.0076	2004	1.0094	1.0085	1.0888
12th to 11th	а	2004	1.0066	2003	1.0071	1.0069	1.0796
13th to 12th	а	2003	1.0048	2002	1.0054	1.0051	1.0722
14th to 13th	а	2002	1.0040	2001	1.0040	1.0040	1.0668
15th to 14th	а	2001	1.0026	2000	1.0031	1.0029	1.0626
16th to 15th	а	2000	1.0022	1999	1.0013	1.0018	1.0595
17th to 16th	а	1999	1.0017	1998	1.0026	1.0022	1.0576
18th to 17th	а	1998	1.0019	1997	1.0029	1.0024	1.0553
19th to 18th	а	1997	1.0018	1996	1.0028	1.0023	1.0527
20th to 19th	а	1996	1.0031	1995	1.0034	1.0033	1.0503
21st to 20th	а	1995	1.0038	1994	1.0045	1.0042	1.0469
22nd to 21st	а	1994	1.0046	1993	1.0043	1.0045	1.0425
23rd to 22nd	а	1993	1.0040	1992	1.0039	1.0040	1.0378
24th to 23rd	а	1992	1.0039	1991	1.0034	1.0037	1.0337
25th to 24th	а	1991	1.0035	1990	1.0032	1.0034	1.0299
26th to 25th	а	1990	1.0028	1989	1.0031	1.0030	1.0264
27th to 26th	а	1989	1.0029	1988	1.0021	1.0025	1.0233
28th to 27th	а	1988	1.0020	1987	1.0021	1.0021	1.0208
29th to 28th	b	1987	1.0136	1986	1.0218	1.0177	1.0186
Beyond 29th	С	1986	1.0004	1985	1.0017	1.0011	1.0009 d

#### **INCURRED METHOD**

Reports		Policy	2015-2016	Policy	2014-2015	Unweighted	Cumulative	
<u>in Ratio</u>		<u>Year</u>	<u>Ratio</u>	<u>Year</u>	<u>Ratio</u>	<u>Average</u>	<u>Average</u>	
		2211	4 4040	0010	4 0000	4 0077	4 0004	
2nd to 1st	С	2014	1.4018	2013	1.3936	1.3977	1.6624	
3rd to 2nd	С	2013	1.1276	2012	1.1086	1.1181	1.1894	
4th to 3rd	С	2012	1.0468	2011	1.0240	1.0354	1.0638	
5th to 4th	С	2011	1.0092	2010	1.0060	1.0076	1.0274	
6th to 5th	С	2010	1.0000	2009	1.0112	1.0056	1.0197	
7th to 6th	С	2009	1.0074	2008	1.0028	1.0051	1.0140	
8th to 7th	С	2008	1.0005	2007	1.0003	1.0004	1.0088	
9th to 8th	С	2007	1.0017	2006	0.9989	1.0003	1.0084	
10th to 9th	С	2006	1.0023	2005	1.0013	1.0018	1.0081	
11th to 10th	С	2005	1.0009	2004	0.9996	1.0003	1.0063	
12th to 11th	С	2004	1.0012	2003	0.9998	1.0005	1.0060	
13th to 12th	С	2003	1.0013	2002	0.9986	1.0000	1.0055	
14th to 13th	С	2002	1.0010	2001	0.9996	1.0003	1.0055	
15th to 14th	С	2001	1.0021	2000	0.9998	1.0010	1.0052	
16th to 15th	С	2000	0.9996	1999	0.9995	0.9996	1.0042	
17th to 16th	С	1999	1.0005	1998	0.9996	1.0001	1.0046	
18th to 17th	С	1998	1.0003	1997	0.9996	1.0000	1.0045	
19th to 18th	С	1997	1.0021	1996	0.9970	0.9996	1.0045	
20th to 19th	С	1996	1.0003	1995	1.0004	1.0004	1.0049	
21st to 20th	С	1995	0.9984	1994	1.0008	0.9996	1.0045	
22nd to 21st	С	1994	1.0017	1993	1.0003	1.0010	1.0049	
23rd to 22nd	С	1993	1.0002	1992	0.9989	0.9996	1.0039	
24th to 23rd	С	1992	1.0011	1991	1.0006	1.0009	1.0043	
25th to 24th	С	1991	1.0008	1990	1.0002	1.0005	1.0034	
26th to 25th	С	1990	1.0006	1989	1.0019	1.0013	1.0029	
27th to 26th	С	1989	1.0005	1988	0.9996	1.0001	1.0016	
28th to 27th	С	1988	1.0004	1987	1.0005	1.0005	1.0015	
29th to 28th	С	1987	0.9992	1986	1.0010	1.0001	1.0010	
Beyond 29th	С	1986	1.0004	1985	1.0017	1.0011	1.0009	d
•								

From Table I-D 28th (Paid - Table 1-D) to 29th (Incurred - Table I-B) b

С

d Derived separately. See Exhibit 7 of the April 1, 2018 Filing.

#### EXHIBIT V - 3

#### **DEVELOPMENT FACTORS**

## MEDICAL LOSSES PAID METHOD

Reports in Ratio		Policy Year	2015-2016 Ratio	Policy <u>Year</u>	2014-2015 Ratio	Unweighted Average	Cumulative Average	
2nd to 1st	а	2014	1.2764	2013	1.2528	1.2646	1.9755	
3rd to 2nd	а	2013	1.0851	2012	1.0695	1.0773	1.5622	
4th to 3rd	а	2012	1.0411	2011	1.0350	1.0381	1.4501	
5th to 4th	а	2011	1.0184	2010	1.0203	1.0194	1.3969	
6th to 5th	а	2010	1.0161	2009	1.0162	1.0162	1.3703	
7th to 6th	а	2009	1.0138	2008	1.0134	1.0136	1.3484	
8th to 7th	а	2008	1.0114	2007	1.0142	1.0128	1.3304	
9th to 8th	а	2007	1.0140	2006	1.0155	1.0148	1.3135	
10th to 9th	а	2006	1.0148	2005	1.0142	1.0145	1.2944	
11th to 10th	а	2005	1.0110	2004	1.0112	1.0111	1.2759	
12th to 11th	а	2004	1.0094	2003	1.0110	1.0102	1.2619	
13th to 12th	а	2003	1.0102	2002	1.0142	1.0122	1.2491	
14th to 13th	а	2002	1.0152	2001	1.0067	1.0110	1.2341	
15th to 14th	а	2001	1.0095	2000	1.0102	1.0099	1.2207	
16th to 15th	а	2000	1.0079	1999	1.0076	1.0078	1.2087	
17th to 16th	а	1999	1.0075	1998	1.0100	1.0088	1.1993	
18th to 17th	а	1998	1.0084	1997	1.0092	1.0088	1.1889	
19th to 18th	а	1997	1.0104	1996	1.0102	1.0103	1.1785	
20th to 19th	а	1996	1.0104	1995	1.0074	1.0089	1.1665	
21st to 20th	а	1995	1.0058	1994	1.0124	1.0091	1.1562	
22nd to 21st	а	1994	1.0109	1993	1.0098	1.0104	1.1458	
23rd to 22nd	а	1993	1.0075	1992	1.0100	1.0088	1.1340	
24th to 23rd	а	1992	1.0113	1991	1.0068	1.0091	1.1241	
25th to 24th	а	1991	1.0059	1990	1.0064	1.0062	1.1139	
26th to 25th	а	1990	1.0077	1989	1.0088	1.0083	1.1071	
27th to 26th	а	1989	1.0100	1988	1.0069	1.0085	1.0980	
28th to 27th	а	1988	1.0059	1987	1.0072	1.0066	1.0887	
29th to 28th	b	1987	1.0788	1986	1.0640	1.0714	1.0816	
Beyond 29th	С	1986	1.0221	1985	0.9953	1.0087	1.0095	d

#### INCURRED METHOD

Reports in Ratio		Policy <u>Year</u>	2015-2016 <u>Ratio</u>	Policy <u>Year</u>	2014-2015 <u>Ratio</u>	Unweighted <u>Average</u>	Cumulative <u>Average</u>	
2nd to 1st	С	2014	1.0905	2013	1.0874	1.0890	1.2517	
3rd to 2nd	С	2013	1.0357	2012	1.0252	1.0305	1.1494	
4th to 3rd	С	2012	1.0126	2011	0.9925	1.0026	1.1154	
5th to 4th	С	2011	1.0097	2010	1.0061	1.0079	1.1125	
6th to 5th	С	2010	1.0002	2009	0.9982	0.9992	1.1038	
7th to 6th	С	2009	1.0154	2008	1.0086	1.0120	1.1047	
8th to 7th	С	2008	0.9996	2007	0.9987	0.9992	1.0916	
9th to 8th	С	2007	1.0056	2006	1.0075	1.0066	1.0925	
10th to 9th	С	2006	1.0039	2005	1.0033	1.0036	1.0853	
11th to 10th	С	2005	1.0096	2004	1.0012	1.0054	1.0814	
12th to 11th	С	2004	0.9996	2003	1.0064	1.0030	1.0756	
13th to 12th	С	2003	1.0076	2002	1.0094	1.0085	1.0724	
14th to 13th	С	2002	1.0044	2001	1.0038	1.0041	1.0634	
15th to 14th	С	2001	1.0046	2000	1.0052	1.0049	1.0590	
16th to 15th	С	2000	1.0052	1999	0.9998	1.0025	1.0538	
17th to 16th	С	1999	1.0037	1998	1.0001	1.0019	1.0512	
18th to 17th	С	1998	1.0005	1997	1.0024	1.0015	1.0492	
19th to 18th	С	1997	1.0044	1996	0.9937	0.9991	1.0477	
20th to 19th	С	1996	1.0060	1995	1.0103	1.0082	1.0486	
21st to 20th	С	1995	0.9995	1994	1.0070	1.0033	1.0401	
22nd to 21st	С	1994	1.0044	1993	1.0060	1.0052	1.0366	
23rd to 22nd	С	1993	1.0049	1992	1.0016	1.0033	1.0313	
24th to 23rd	С	1992	1.0044	1991	1.0042	1.0043	1.0279	
25th to 24th	С	1991	0.9988	1990	1.0037	1.0013	1.0235	
26th to 25th	С	1990	1.0054	1989	1.0096	1.0075	1.0222	
27th to 26th	С	1989	1.0066	1988	0.9993	1.0030	1.0146	
28th to 27th	С	1988	1.0019	1987	1.0022	1.0021	1.0115	
29th to 28th	С	1987	1.0014	1986	0.9983	0.9999	1.0094	
Beyond 29th	С	1986	1.0221	1985	0.9953	1.0087	1.0095	d

a From Table I-E

b 28th (Paid - Table 1-E) to 29th (Incurred - Table I-C)

c From Table I-C

d Derived separately. See Exhibit 7 of the April 1, 2018 Filing.

#### EXHIBIT VI - 1

#### DETERMINATION OF TREND

			INDEMNITY				
Policy Year	2009	2010	2011	2012	2013	2014	2015
Actual Loss Ratio	0.5428	0.5320	0.5061	0.4841	0.5023	0.4902	0.4896
Normalized Frequency	0.7528	0.7419	0.6955	0.6508	0.6360	0.5829	0.5340
Severity Loss Ratio	0.7210	0.7171	0.7277	0.7439	0.7898	0.8410	0.9169
	x 1 y 0.7210	2	3	4	5	6	7
	y 0.7210	0.7171	0.7277	0.7439	0.7898	0.8410	0.9169
	7 Point Exponent	ial Regression: y	= 0.661663 * 1.0	40875 ^ x			
	Selected Annual	Severity Trend Fa	ctor =			4.09%	]
	Annual		Trend Period				_
Policy	Severity		# of Years		Severity		Frequency
Year	Trend Fac	tor	to 4/1/19		Trend Factor		Trend Facto
	(1)		(2)		$(3) = (1) ^ (2)$		(4) #
2013	1.0409		5.2500		1.2341		0.7405
2014	1.0409		4.2500		1.1856		0.7841
2015	1.0409		3.2500		1.1391		0.8303
rended Loss Ratio							
Policy	Actual		Combined		Trended		
Year	Loss Rati	0	Trend Factor		Loss Ratio		
	(5)		(6) = (3) * (4)		(7) = (5) * (6)		
2013	0.5023		0.9139		0.4591		
2014	0.4902		0.9296		0.4557		
2015	0.4896		0.9458		0.4631		
			MEDICAL				
Policy Year	2009	2010	2011	2012	2013	2014	2015
Actual Loss Ratio	0.5374	0.5577	0.5461	0.5188	0.5420	0.5288	0.4954
Normalized Frequency	0.7528 0.7138	0.7419 0.7517	0.6955	0.6508	0.6360 0.8522	0.5829 0.9072	0.5340 0.9278
Severity Loss Ratio	0.7138	0.7517	0.7852	0.7972	し、おうノノ		0.9278
	000	0			0.0022	0.0072	
	<b>x</b> 1	2	3	4	5	6	7
	_		3 0.7852	4 0.7972			
	<b>x</b> 1	2 0.7517	0.7852	0.7972	5	6 0.9072	7 0.9278
	x 1 y 0.7138	2 0.7517 al Regression: y	0.7852 = <b>0.683092</b> * <b>1.</b> 0	0.7972	5	6	7 0.9278
	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme	2 0.7517 ial Regression: y Severity Trend Fa ent to Annual Sev	0.7852 = 0.683092 * 1.0 actor to 1/1/15 = erity Trend fron	0.7972 145452 ^ x n 1/1/15 and lat	5 0.8522	6 0.9072	7 0.9278
	x 1 y 0.7138 7 Point Exponent Selected Annual S	2 0.7517 ial Regression: y Severity Trend Fa ent to Annual Sev	0.7852 = 0.683092 * 1.0 actor to 1/1/15 = erity Trend fron	0.7972 045452 ^ x on 1/1/15 and late of and later =	5 0.8522	6 0.9072 <b>4.55</b> %	7 0.9278
	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S	2 0.7517 ial Regression: y Severity Trend Fa ent to Annual Sev	0.7852 = 0.683092 * 1.0 actor to 1/1/15 = erity Trend fron	0.7972 145452 ^ x 1 1/1/15 and late 5 and later = Annual	5 0.8522	6 0.9072 4.55% -0.19% 4.36%	7 0.9278
	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S	2 0.7517 fal Regression: y Severity Trend Fa ent to Annual Sev Severity Trend Fa	0.7852 = 0.683092 * 1.0 ector to 1/1/15 = erity Trend fron ector from 1/1/15	0.7972 145452 ^ x 1 1/1/15 and late 5 and later = Annual Severity	5 0.8522 er =	6 0.9072 4.55% -0.19% 4.36% Severity	7 0.9278
Deliver	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S	2 0.7517 fal Regression: y Severity Trend Fa ent to Annual Sev Severity Trend Fa	0.7852 = 0.683092 * 1.0 actor to 1/1/15 = erity Trend fron actor from 1/1/15 Severity	0.7972  145452 ^ x  1/1/15 and late  and later =  Annual Severity Trend Factor	5 0.8522 er =	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor	7 0.9278
Policy	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S Annual Severity Trend Fact	2 0.7517  fal Regression: y  Severity Trend Fa  ent to Annual Sev  Severity Trend Fa  Trend Period for # of Years	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from actor from 1/1/15  Severity Trend Factor	0.7972  145452 ^ x  11/1/15 and late  and later =  Annual Severity Trend Factor from 1/1/15	5 0.8522 er = Trend Period # of Years	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor from 1/1/15	7 0.9278
Policy Year	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S Annual Severity Trend Factor 1/1/15	2 0.7517  ial Regression: y Severity Trend Fa ent to Annual Sev Severity Trend Fa  Trend Period for # of Years to 1/1/15	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from actor from 1/1/15  Severity Trend Factor to 1/1/15	0.7972  0.7972	5 0.8522 er = Trend Period # of Years to 4/1/19	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor from 1/1/15 to 4/1/19	7 0.9278
•	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S Annual Severity Trend Fact	2 0.7517  fal Regression: y  Severity Trend Fa  ent to Annual Sev  Severity Trend Fa  Trend Period for # of Years	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from actor from 1/1/15  Severity Trend Factor	0.7972  145452 ^ x  11/1/15 and late  and later =  Annual Severity Trend Factor from 1/1/15	5 0.8522 er = Trend Period # of Years	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor from 1/1/15	7 0.9278
Year 2013	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S Annual Severity Trend Fact to 1/1/15 (1) 1.0455	2 0.7517  ial Regression: y Severity Trend Fa ent to Annual Sev Severity Trend Fa  Trend Period for # of Years to 1/1/15 (2) 1.0000	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from  actor from 1/1/15  Severity Trend Factor to 1/1/15 (3) = (1) ^ (2)  1.0455	0.7972  0.45452 ^ x  1.1/1/15 and late  1.1/1/15 and later =  Annual Severity  Trend Factor from 1/1/15 to 4/1/19 (4)  1.0436	5 0.8522 er = Trend Period # of Years to 4/1/19 (5) 4.2500	6 0.9072  4.55% -0.19% 4.36%  Severity Trend Factor from 1/1/15 to 4/1/19 (6) = (4) ^ (5) 1.1986	7 0.9278 Frequency Trend Facto (7) # 0.7405
Year 2013 2014	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S  Annual Severity Trend Fact to 1/1/15 (1) 1.0455 1.0455	2 0.7517  ial Regression: y Severity Trend Fa ent to Annual Sev Severity Trend Fa  Trend Period for # of Years to 1/1/15 (2) 1.0000 0.0000	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from  actor from 1/1/15  Severity Trend Factor to 1/1/15 (3) = (1) ^ (2)  1.0455 1.0000	0.7972  145452 ^ x  1 1/1/15 and late  5 and later =  Annual Severity Trend Factor from 1/1/15 to 4/1/19 (4)  1.0436 1.0436	5 0.8522 er = Trend Period # of Years to 4/1/19 (5) 4.2500 4.2500	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor from 1/1/15 to 4/1/19 (6) = (4) ^ (5) 1.1986 1.1986	7 0.9278 Frequency Trend Facto (7) # 0.7405 0.7841
Year 2013	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S Annual Severity Trend Fact to 1/1/15 (1) 1.0455	2 0.7517  ial Regression: y Severity Trend Fa ent to Annual Sev Severity Trend Fa  Trend Period for # of Years to 1/1/15 (2) 1.0000	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from  actor from 1/1/15  Severity Trend Factor to 1/1/15 (3) = (1) ^ (2)  1.0455	0.7972  0.45452 ^ x  1.1/1/15 and late  1.1/1/15 and later =  Annual Severity  Trend Factor from 1/1/15 to 4/1/19 (4)  1.0436	5 0.8522 er = Trend Period # of Years to 4/1/19 (5) 4.2500	6 0.9072  4.55% -0.19% 4.36%  Severity Trend Factor from 1/1/15 to 4/1/19 (6) = (4) ^ (5) 1.1986	7 0.9278 Frequency Trend Facto (7) # 0.7405
Year 2013 2014 2015	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S  Annual Severity Trend Fact to 1/1/15 (1) 1.0455 1.0455	2 0.7517  ial Regression: y Severity Trend Fa ent to Annual Sev Severity Trend Fa  Trend Period for # of Years to 1/1/15 (2) 1.0000 0.0000	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from  actor from 1/1/15  Severity Trend Factor to 1/1/15 (3) = (1) ^ (2)  1.0455 1.0000	0.7972  145452 ^ x  1 1/1/15 and late  5 and later =  Annual Severity Trend Factor from 1/1/15 to 4/1/19 (4)  1.0436 1.0436	5 0.8522 er = Trend Period # of Years to 4/1/19 (5) 4.2500 4.2500	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor from 1/1/15 to 4/1/19 (6) = (4) ^ (5) 1.1986 1.1986	7 0.9278 Frequency Trend Facto (7) # 0.7405 0.7841
Year  2013 2014 2015  Frended Loss Ratio Policy	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S  Annual Severity Trend Fact to 1/1/15 (1) 1.0455 1.0455	2 0.7517  fal Regression: y  Severity Trend Fall  ent to Annual Seventy Trend Fall  Trend Period for # of Years  to 1/1/15 (2)  1.0000 0.0000 0.0000 Actual	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from  actor from 1/1/15  Severity Trend Factor to 1/1/15 (3) = (1) ^ (2)  1.0455 1.0000	0.7972  145452 ^ x  1 1/1/15 and later =  Annual Severity Trend Factor from 1/1/15 to 4/1/19 (4)  1.0436 1.0436 1.0436 Combined	5 0.8522 er = Trend Period # of Years to 4/1/19 (5) 4.2500 4.2500	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor from 1/1/15 to 4/1/19 (6) = (4) ^ (5) 1.1986 1.1986 1.1486	7 0.9278 Frequency Trend Facto (7) # 0.7405 0.7841
Year  2013 2014 2015  Frended Loss Ratio	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S  Annual Severity Trend Fact to 1/1/15 (1) 1.0455 1.0455	2 0.7517  fal Regression: y  Severity Trend Fall  ent to Annual Seventity Trend Period for # of Years for 1/1/15 (2) 1.0000 0.0000 0.0000 Actual Loss Ratio	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from  actor from 1/1/15  Severity Trend Factor to 1/1/15 (3) = (1) ^ (2)  1.0455 1.0000 1.0000	0.7972  145452 ^ x  1 1/1/15 and later =  Annual Severity Trend Factor from 1/1/15 to 4/1/19 (4)  1.0436 1.0436 1.0436 Combined Trend Factor	5 0.8522 er =  Trend Period # of Years to 4/1/19 (5)  4.2500 4.2500 3.2500	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor from 1/1/15 to 4/1/19 (6) = (4) ^ (5) 1.1986 1.1986 1.1486 Trended Loss Ratio	7 0.9278 Frequency Trend Facto (7) # 0.7405 0.7841
Year  2013 2014 2015  Frended Loss Ratio  Policy	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S  Annual Severity Trend Fact to 1/1/15 (1) 1.0455 1.0455	2 0.7517  fal Regression: y  Severity Trend Fall  ent to Annual Seventy Trend Fall  Trend Period for # of Years  to 1/1/15 (2)  1.0000 0.0000 0.0000 Actual	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from  actor from 1/1/15  Severity Trend Factor to 1/1/15 (3) = (1) ^ (2)  1.0455 1.0000 1.0000	0.7972  145452 ^ x  1 1/1/15 and later =  Annual Severity Trend Factor from 1/1/15 to 4/1/19 (4)  1.0436 1.0436 1.0436 Combined	5 0.8522 er =  Trend Period # of Years to 4/1/19 (5)  4.2500 4.2500 3.2500	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor from 1/1/15 to 4/1/19 (6) = (4) ^ (5) 1.1986 1.1986 1.1486	7 0.9278 Frequency Trend Facto (7) # 0.7405 0.7841
Year  2013 2014 2015  Trended Loss Ratio  Policy Year	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S  Annual Severity Trend Fact to 1/1/15 (1) 1.0455 1.0455	2 0.7517  ial Regression: y Severity Trend Fa ent to Annual Sev Severity Trend Fa  Trend Period for # of Years to 1/1/15 (2) 1.0000 0.0000 0.0000 Actual Loss Ratio (8)	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from  actor from 1/1/15  Severity Trend Factor to 1/1/15 (3) = (1) ^ (2)  1.0455 1.0000 1.0000	0.7972  145452 ^ x  11/1/15 and late  Annual Severity Trend Factor from 1/1/15 to 4/1/19 (4)  1.0436 1.0436 1.0436 Combined Trend Factor 9) = (3) * (6) * (7)	5 0.8522 er =  Trend Period # of Years to 4/1/19 (5)  4.2500 4.2500 3.2500	6 0.9072  4.55% -0.19% 4.36%  Severity Trend Factor from 1/1/15 to 4/1/19 (6) = (4) ^ (5) 1.1986 1.1986 1.1486  Trended Loss Ratio (10) = (8) * (9)	7 0.9278 Frequency Trend Facto (7) # 0.7405 0.7841
Year  2013 2014 2015  Trended Loss Ratio Policy	x 1 y 0.7138 7 Point Exponent Selected Annual S HB1846 Adjustme Selected Annual S  Annual Severity Trend Fact to 1/1/15 (1) 1.0455 1.0455	2 0.7517  fal Regression: y  Severity Trend Fall  ent to Annual Seventity Trend Period for # of Years for 1/1/15 (2) 1.0000 0.0000 0.0000 Actual Loss Ratio	0.7852  = 0.683092 * 1.0  actor to 1/1/15 =  erity Trend from  actor from 1/1/15  Severity Trend Factor to 1/1/15 (3) = (1) ^ (2)  1.0455 1.0000 1.0000	0.7972  145452 ^ x  1 1/1/15 and later =  Annual Severity Trend Factor from 1/1/15 to 4/1/19 (4)  1.0436 1.0436 1.0436 Combined Trend Factor	5 0.8522 er =  Trend Period # of Years to 4/1/19 (5)  4.2500 4.2500 3.2500	6 0.9072 4.55% -0.19% 4.36% Severity Trend Factor from 1/1/15 to 4/1/19 (6) = (4) ^ (5) 1.1986 1.1986 1.1486 Trended Loss Ratio	7 0.9278 Frequency Trend Facto (7) # 0.7405 0.7841

#### **EXHIBIT VI - 2**

#### **DETERMINATION OF TREND**

#### **CLAIM FREQUENCY**

Policy Year Frequency per \$1 million of Expected Losses {1 = PY 2004, 12 = PY 2015}

	Policy		Claim		Normalized		
	Year		Frequency		Frequency		
	2004		23.71		1.0000		
	2005		22.03		0.9291		
	2006		21.22		0.8950		
	2007		19.98		0.8427		
	2008		18.46		0.7786		
	2009		17.85		0.7528		
	2010		17.59		0.7419		
	2011		16.49		0.6955		
	2012		15.43		0.6508		
	2013		15.08		0.6360		
	2014		13.82		0.5829		
	2015		12.66		0.5340		
Policy Year	2009	2010	2011	2012	2013	2014	2015
,							
X	1	2	3	4	5	6	7
у	0.7528	0.7419	0.6955	0.6508	0.6360	0.5829	0.5340

7 Point Exponential Regression: y = 0.819613 \* 0.944375 ^ x

**Selected Annual Frequency Trend Factor =** 

-5.6%

	Annual	Trend Period	
Policy	Frequency	# of Years	Frequency
Year	Trend Factor	to 4/1/19	Trend Factor
	(1)	(2)	(3) = (1) ^ (2)
2013	0.9444	5.2500	0.7405
2014	0.9444	4.2500	0.7841
2015	0.9444	3.2500	0.8303

#### TABLE I

#### POLICY YEAR DATA ACCUMULATED TO END OF CALENDAR YEAR

#### ACCUMULATED STANDARD EARNED PREMIUM

Policy Year Valued	As of 12/31/14	As of 12/31/15	Ratio to Prior Year
Prior			
to 1986	11,387,026,168	11,387,026,168	1.0000
1986	1,427,053,500	1,427,053,500	1.0000
1987	1,701,096,294	1,701,096,294	1.0000
1988	1,896,671,487	1,896,671,487	1.0000
1989	2,033,041,334	2,033,041,334	1.0000
1990	2,297,321,643	2,297,321,642	1.0000
1991	2,410,475,163	2,410,477,490	1.0000
1992	2,261,547,619	2,261,547,612	1.0000
1993			1.0000
	2,426,141,391	2,426,141,388	
1994	1,829,233,734	1,829,233,731	1.0000
1995	1,683,694,150	1,683,693,870	1.0000
1996	1,603,055,563	1,603,209,437	1.0001
1997	1,318,094,999	1,318,094,345	1.0000
1998	1,263,299,558	1,263,299,020	1.0000
1999	1,280,634,956	1,280,635,208	1.0000
2000	1,352,113,283	1,352,096,858	1.0000
2001	1,453,811,318	1,453,787,992	1.0000
2002	1,521,152,015	1,521,113,671	1.0000
2003	1,610,223,104	1,610,317,128	1.0001
2004	1,725,601,738	1,725,589,086	1.0000
2005	1,895,970,105	1,896,001,232	1.0000
2006	1,870,790,988	1,870,757,322	1.0000
		1,926,781,618	1.0000
2007	1,926,834,195		
2008	1,776,302,604	1,776,299,975	1.0000
2009	1,586,402,203	1,585,868,305	0.9997
2010	1,670,468,737	1,670,658,033	1.0001
2011	1,744,617,869	1,745,030,915	1.0002
2012	1,667,072,337	1,666,089,436	0.9994
2013	1,631,567,698	1,647,785,650	1.0099
		4 000 040 400	1 7012
2014	911,252,856	1,623,248,488	1.7813
2014 2015	911,252,856	890,767,895	1.7013
2015 Policy Year Valued	911,252,856  As of 12/31/15		Ratio to Prior Year
2015  Policy Year  Valued  Prior	As of 12/31/15	890,767,895  As of 12/31/16	Ratio to Prior Year
2015  Policy Year Valued  Prior to 1986	As of 12/31/15	890,767,895  As of 12/31/16  11,386,545,363	Ratio to Prior Year
Policy Year Valued Prior to 1986 1986	As of 12/31/15 11,386,546,858 1,427,053,500	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500	Ratio to Prior Year 1.0000 1.0000
Policy Year Valued Prior to 1986 1986 1987	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571	Ratio to Prior Year 1.0000 1.0000 1.0000
Policy Year Valued Prior to 1986 1986 1987 1988	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487	890,767,895 <b>As of</b> 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487	Ratio to Prior Year 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334	Ratio to Prior Year 1.0000 1.0000 1.0000 1.0000 1.0000
Policy Year Valued Prior to 1986 1986 1987 1988	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487	890,767,895 <b>As of</b> 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487	Ratio to Prior Year 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334	Ratio to Prior Year 1.0000 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642	Ratio to Prior Year 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742	Ratio to Prior Year 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612	890,767,895 <b>As of</b> 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818	Ratio to Prior Year 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388	Ratio to Prior Year  1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201	Ratio to Prior Year 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968	Ratio to Prior Year  1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940	Ratio to Prior Year  1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9999
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344	Ratio to Prior Year  1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285	Ratio to Prior Year  1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9999 1.0000 0.9999
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153	Ratio to Prior Year  1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9999 1.0000 0.9999 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657	Ratio to Prior Year  1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9999 1.0000 0.9999 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665	Ratio to Prior Year  1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9999 1.0000 0.9999 1.0000 1.0000 1.0000 1.0000 1.0000 0.9900 1.0000 0.9000 1.0000 0.9000 1.0000 0.9000 1.0000 0.9000 1.0000 0.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	As of 12/31/15 11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373	Ratio to Prior Year  1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9999 1.0000 0.9999 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362 1,863,649,972	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714 1,863,649,787	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362 1,863,649,972	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714 1,863,649,787	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362 1,863,649,972 1,921,583,212	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714 1,863,649,787 1,921,887,272	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362 1,863,649,972 1,921,583,212 1,768,616,432 1,576,500,554	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714 1,863,649,787 1,921,887,272 1,768,387,013	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362 1,863,649,972 1,921,583,212 1,768,616,432 1,576,500,554 1,660,582,768	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714 1,863,649,787 1,921,887,272 1,768,387,013 1,578,120,060 1,661,122,036	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362 1,863,649,972 1,921,583,212 1,768,616,432 1,576,500,554 1,660,582,768 1,731,755,930	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714 1,863,649,787 1,921,887,272 1,768,387,013 1,578,120,060 1,661,122,036 1,731,447,592	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362 1,863,649,972 1,921,583,212 1,768,616,432 1,576,500,554 1,660,582,768 1,731,755,930 1,652,781,901	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714 1,863,649,787 1,921,887,272 1,768,387,013 1,578,120,060 1,661,122,036 1,731,447,592 1,652,226,915	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362 1,863,649,972 1,921,583,212 1,768,616,432 1,576,500,554 1,660,582,768 1,731,755,930 1,652,781,901 1,628,354,676	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714 1,863,649,787 1,921,887,272 1,768,387,013 1,578,120,060 1,661,122,036 1,731,447,592 1,652,226,915 1,630,099,417	Ratio to Prior Year  1.0000
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	As of 12/31/15  11,386,546,858 1,427,053,500 1,701,096,294 1,896,671,487 2,033,041,334 2,297,321,642 2,410,477,490 2,261,547,612 2,426,141,388 1,829,233,731 1,683,693,870 1,603,209,437 1,318,094,344 1,263,299,020 1,280,635,208 1,352,096,857 1,453,787,992 1,521,113,671 1,600,820,167 1,719,618,143 1,889,656,362 1,863,649,972 1,921,583,212 1,768,616,432 1,576,500,554 1,660,582,768 1,731,755,930 1,652,781,901	890,767,895  As of 12/31/16  11,386,545,363 1,427,053,500 1,701,066,571 1,896,671,487 2,033,041,334 2,297,321,642 2,410,481,742 2,261,549,818 2,426,141,388 1,829,566,293 1,683,699,201 1,603,208,968 1,317,992,940 1,263,293,344 1,280,543,285 1,352,097,153 1,453,776,657 1,521,106,665 1,600,834,373 1,719,651,688 1,889,670,714 1,863,649,787 1,921,887,272 1,768,387,013 1,578,120,060 1,661,122,036 1,731,447,592 1,652,226,915	Ratio to Prior Year  1.0000

#### TABLE I - A - ADJUSTED TO A POST-ACT 44 AND 57 BASIS AND A PRE-HB 1846 BASIS

#### POLICY YEAR DATA ACCUMULATED TO END OF CALENDAR YEAR

#### INCURRED LOSSES EXCLUDING BULK AND IBNR RESERVES

Policy Year	As of	As of	Ratio to
Valued	12/31/14	12/31/15	Prior Year
Prior			
to 1986	6,180,062,177	6,179,767,081	1.0000
1986	1,042,287,736	1,042,446,080	1.0002
1987 1988	1,303,864,669	1,305,299,069	1.0011 0.9995
1989	1,511,933,750 1,781,193,422	1,511,163,316 1,789,510,932	1.0047
1990	1,837,143,951	1,839,824,430	1.0047
1991	1,638,738,273	1,641,898,903	1.0019
1992	1,431,541,767	1,431,501,512	1.0000
1993	1,235,559,770	1,238,693,357	1.0025
1994	1,145,914,273	1,149,691,752	1.0033
1995	1,001,354,639	1,005,857,925	1.0045
1996	917,849,017	913,769,513	0.9956
1997	937,761,852	938,574,954	1.0009
1998	964,592,395	964,439,673	0.9998
1999	1,062,068,374	1,061,682,257	0.9996
2000	1,132,930,076	1,135,462,708	1.0022
2001	1,132,729,435	1,134,357,104	1.0014
2002	1,208,154,930	1,212,251,007	1.0034
2003 2004	1,214,904,705 1,311,968,946	1,218,287,173	1.0028 1.0003
2004	1,335,174,081	1,312,409,923 1,338,198,104	1.0003
2006	1,369,344,301	1,373,266,740	1.0029
2007	1,445,245,033	1,444,571,945	0.9995
2008	1,332,646,593	1,339,954,739	1.0055
2009	1,211,384,455	1,217,511,040	1.0051
2010	1,303,314,015	1,311,223,995	1.0061
2011	1,268,335,859	1,278,869,318	1.0083
2012	1,104,340,841	1,176,732,500	1.0656
2013	985,146,488	1,196,021,093	1.2141
2014	381,250,741	982,462,398	2.5769
2015		368,562,749	
Policy Year Valued	As of 12/31/15	As of 12/31/16	Ratio to Prior Year
Valued Prior	12/31/15	12/31/16	Prior Year
Valued Prior to 1986	<b>12/31/15</b> 6,179,447,807	<b>12/31/16</b> 6,183,709,795	Prior Year 1.0007
Valued Prior to 1986 1986	12/31/15 6,179,447,807 1,042,456,195	12/31/16 6,183,709,795 1,045,650,451	1.0007 1.0031
Valued Prior to 1986 1986 1987	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082	1.0007 1.0031 1.0000
Valued Prior to 1986 1986 1987 1988	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567	1.0007 1.0031 1.0000 1.0009
Valued Prior to 1986 1986 1987 1988 1989	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350	1.0007 1.0031 1.0000 1.0009 1.0027
Valued Prior to 1986 1986 1987 1988	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580	1.0007 1.0031 1.0000 1.0009
Valued Prior to 1986 1986 1987 1988 1989 1990	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0000
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0000 1.0024
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028 1.0031
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430	12/31/16 6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0020 1.0028 0.9988 1.0028 1.0028 1.0031
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0020 1.0028 0.9988 1.0028 1.0028 1.0031 1.0004 1.0019
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0020 1.0024 1.0020 1.0028 0.9988 1.0028 1.0031 1.0004 1.0019
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,4440,090	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028 1.0031 1.0004 1.0019 1.0021
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721	1.0007 1.0031 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028 1.0028 1.0031 1.0004 1.0019 1.0021 1.0032 1.0032 1.0025
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	12/31/15 6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,4440,090	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080	1.0007 1.0031 1.0000 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028 1.0031 1.0004 1.0019 1.0021
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393	1.0007 1.0031 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028 1.0028 1.0031 1.0004 1.0019 1.0021 1.0032 1.0032 1.0035 1.0041
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631	1.0007 1.0031 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028 1.0031 1.0004 1.0019 1.0021 1.0032 1.0032 1.0032 1.0035 1.0041 1.0004
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471 1,332,366,565 1,368,350,811 1,437,888,058	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631 1,339,026,027 1,372,518,317 1,442,973,299	1.0007 1.0031 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028 1.0028 1.0021 1.0004 1.0019 1.0021 1.0032 1.0025 1.0041 1.0004 1.0004 1.0004
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471 1,332,366,565 1,368,350,811 1,437,888,058 1,332,287,423	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631 1,339,026,027 1,372,518,317 1,442,973,299 1,332,396,462	1.0007 1.0031 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028 1.0028 1.0031 1.0004 1.0019 1.0021 1.0032 1.0025 1.0041 1.0004 1.0050 1.0030 1.0035 1.0001
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471 1,332,366,565 1,368,350,811 1,437,888,058 1,332,287,423 1,205,954,159	12/31/16  6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631 1,339,026,027 1,372,518,317 1,442,973,299 1,332,396,462 1,219,450,949	1.0007 1.0031 1.0009 1.0027 1.0024 1.0000 1.0024 1.0020 1.0028 0.9988 1.0028 1.0031 1.0004 1.0019 1.0021 1.0032 1.0025 1.0041 1.0004 1.0004 1.0050 1.0030 1.0035 1.0001 1.0112
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471 1,332,366,565 1,368,350,811 1,437,888,058 1,332,287,423 1,205,954,159 1,302,167,691	12/31/16  6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631 1,339,026,027 1,372,518,317 1,442,973,299 1,332,396,462 1,219,450,949 1,302,271,777	1.0007 1.0031 1.0009 1.0027 1.0024 1.0000 1.0028 1.0028 1.0028 1.0028 1.0031 1.0004 1.0019 1.0021 1.0025 1.0041 1.0004 1.0050 1.0030 1.0035 1.0001 1.0112 1.0001
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471 1,332,366,565 1,368,350,811 1,437,888,058 1,332,287,423 1,205,954,159 1,302,167,691 1,269,526,086	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631 1,339,026,027 1,372,518,317 1,442,973,299 1,332,396,462 1,219,450,949 1,302,271,777 1,281,548,446	1.0007 1.0031 1.0009 1.0027 1.0024 1.0020 1.0028 1.0028 1.0028 1.0028 1.0031 1.0004 1.0019 1.0021 1.0032 1.0025 1.0041 1.0004 1.0050 1.0030 1.0035 1.0001 1.0112 1.0001 1.0095
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471 1,332,366,565 1,368,350,811 1,437,888,058 1,332,287,423 1,205,954,159 1,302,167,691 1,269,526,086 1,168,296,724	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631 1,339,026,027 1,372,518,317 1,442,973,299 1,332,396,462 1,219,450,949 1,302,271,777 1,281,548,446 1,203,110,213	1.0007 1.0031 1.0009 1.0027 1.0024 1.0020 1.0028 1.0028 1.0028 1.0028 1.0031 1.0004 1.0019 1.0021 1.0032 1.0025 1.0041 1.0004 1.0050 1.0030 1.0035 1.0001 1.0112 1.0001 1.0095 1.0098
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471 1,332,366,565 1,368,350,811 1,437,888,058 1,332,287,423 1,205,954,159 1,302,167,691 1,269,526,086 1,168,296,724 1,177,688,062	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631 1,339,026,027 1,372,518,317 1,442,973,299 1,332,396,462 1,219,450,949 1,302,271,777 1,281,548,446 1,203,110,213 1,271,067,185	1.0007 1.0031 1.0009 1.0027 1.0024 1.0020 1.0028 1.0028 1.0028 1.0031 1.0004 1.0019 1.0021 1.0025 1.0041 1.0005 1.0030 1.0035 1.0001 1.0035 1.0001 1.00112 1.0001 1.0095 1.0098 1.0098
Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471 1,332,366,565 1,368,350,811 1,437,888,058 1,332,287,423 1,205,954,159 1,302,167,691 1,269,526,086 1,168,296,724 1,177,688,062 968,983,384	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631 1,339,026,027 1,372,518,317 1,442,973,299 1,332,396,462 1,219,450,949 1,302,271,777 1,281,548,446 1,203,110,213 1,271,067,185 1,182,309,946	1.0007 1.0031 1.0009 1.0027 1.0024 1.0020 1.0028 1.0028 1.0028 1.0031 1.0004 1.0019 1.0021 1.0025 1.0041 1.0005 1.0050 1.0030 1.0030 1.0035 1.0001 1.0011 1.0001 1.0095 1.0095 1.0298 1.0793 1.2202
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	12/31/15  6,179,447,807 1,042,456,195 1,305,446,026 1,511,226,044 1,789,579,588 1,839,968,445 1,641,910,380 1,431,609,017 1,238,869,595 1,149,861,737 1,005,933,617 913,866,797 938,622,260 964,556,430 1,061,772,612 1,135,566,662 1,134,440,090 1,212,343,041 1,210,577,677 1,307,848,471 1,332,366,565 1,368,350,811 1,437,888,058 1,332,287,423 1,205,954,159 1,302,167,691 1,269,526,086 1,168,296,724 1,177,688,062	6,183,709,795 1,045,650,451 1,305,391,082 1,512,651,567 1,794,432,350 1,844,309,580 1,641,959,223 1,435,045,153 1,241,360,746 1,153,030,228 1,004,775,430 916,457,924 941,541,176 964,955,660 1,063,831,218 1,137,947,483 1,138,071,080 1,215,373,721 1,215,583,393 1,308,395,631 1,339,026,027 1,372,518,317 1,442,973,299 1,332,396,462 1,219,450,949 1,302,271,777 1,281,548,446 1,203,110,213 1,271,067,185	1.0007 1.0031 1.0009 1.0027 1.0024 1.0020 1.0028 1.0028 1.0028 1.0031 1.0004 1.0019 1.0021 1.0025 1.0041 1.0005 1.0030 1.0035 1.0001 1.0035 1.0001 1.00112 1.0001 1.0095 1.0098 1.0098

#### TABLE I - B - ADJUSTED TO A POST-ACT 44 AND 57 BASIS AND A PRE-HB 1846 BASIS

#### POLICY YEAR DATA ACCUMULATED TO END OF CALENDAR YEAR

#### INDEMNITY INCURRED LOSSES EXCLUDING BULK AND IBNR RESERVES

Policy Year Valued	As of 12/31/14	As of 12/31/15	Ratio to Prior Year
Prior	4 000 074 005	4 004 004 500	4 0000
to 1986	4,680,071,625	4,681,301,566	1.0003
1986	714,807,350	715,516,906	1.0010
1987	866,461,926	866,931,127	1.0005
1988	982,465,150	982,085,105	0.9996
1989	1,140,722,428	1,142,902,544	1.0019
1990	1,168,077,729	1,168,287,167	1.0002
1991	1,015,815,480	1,016,385,928	1.0006
1992	862,758,836	861,793,648	0.9989
1993	753,522,853	753,773,119	1.0003
1994	691,552,335	692,130,367	1.0008
1995	588,335,857	588,598,325	1.0004
1996	508,153,817	506,643,542	0.9970
1997	515,088,306	514,875,882	0.9996
1998	517,318,755	517,111,579	0.9996
1999	588,756,774	588,441,705	0.9995
2000	631,030,721	630,932,722	0.9998
2001	641,538,942	641,302,318	0.9996
2002	671,906,314	670,956,683	0.9986
2003	663,273,054	663,124,433	0.9998
2004	703,139,950	702,827,748	0.9996
2005	709,735,620	710,682,018	1.0013
2006	733,598,963	732,756,067	0.9989
2007	762,608,623	762,842,530	1.0003
2008	714,085,139	716,095,162	1.0028
2009	639,355,479	646,516,614	1.0112
2010	670,627,772	674,662,838	1.0060
2011	636,077,139	651,348,938	1.0240
2012	534,345,310	592,377,519	1.1086
2013	407,357,544	567,711,709	1.3936
			2 2 40 5
2014	121,689,316	407,476,651	3.3485
2014 2015	121,689,316	407,476,651 117,270,981	3.3485
2015 Policy Year	As of	117,270,981 <b>As of</b>	Ratio to
2015 Policy Year Valued		117,270,981	Ratio to
2015  Policy Year  Valued  Prior	As of 12/31/15	117,270,981  As of 12/31/16	Ratio to Prior Year
2015  Policy Year Valued  Prior to 1986	As of 12/31/15	117,270,981  As of 12/31/16  4,680,991,716	Ratio to
2015  Policy Year Valued  Prior to 1986 1986	As of 12/31/15 4,680,989,260 715,529,652	117,270,981  As of 12/31/16  4,680,991,716 715,795,145	Ratio to Prior Year 1.0000 1.0004
Policy Year Valued Prior to 1986 1986 1987	As of 12/31/15	117,270,981  As of 12/31/16  4,680,991,716 715,795,145 866,280,939	Ratio to Prior Year 1.0000 1.0004 0.9992
2015  Policy Year Valued  Prior to 1986 1986 1987 1988	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826	Ratio to Prior Year 1.0000 1.0004 0.9992 1.0004
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021 1.0003
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.00021 1.0003 1.0005
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282	As of 12/31/16 4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021 1.0003 1.0005 0.9996
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021 1.0003 1.0005 0.9996 1.0021
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	As of 12/31/15 4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021 1.0003 1.0005 0.9996 1.0021 1.0010
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0017 0.9984 1.0003 1.0002 1.0003 1.0005 0.9996 1.0021 1.0010 1.0013
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0002 1.0003 1.0005 0.9996 1.0021 1.0010 1.0013 1.0012
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523 706,934,267	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0002 1.0003 1.0005 0.9996 1.0021 1.0010 1.0013 1.0012 1.0009
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391 729,276,042	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523 706,934,267 730,928,075	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0005 0.9996 1.0021 1.0010 1.0013 1.0012 1.0009 1.0023
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391 729,276,042 758,602,032	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523 706,934,267 730,928,075 759,875,681	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0017 0.9984 1.0003 1.0005 0.9996 1.0001 1.0013 1.0012 1.0009 1.00023 1.0017
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391 729,276,042 758,602,032 711,088,056	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523 706,934,267 730,928,075 759,875,681 711,416,963	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0017 0.9984 1.0003 1.0005 0.9996 1.0021 1.0003 1.0001 1.0013 1.0012 1.0009 1.0023 1.0017 1.0005
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391 729,276,042 758,602,032 711,088,056 640,112,260	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523 706,934,267 730,928,075 759,875,681 711,416,963 644,870,680	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0017 0.9984 1.0003 1.0005 1.0003 1.0001 1.0001 1.0013 1.0012 1.0009 1.0023 1.0005 1.0005 1.00017
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391 729,276,042 758,602,032 711,088,056 640,112,260 669,467,601	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,71 671,622,783 659,536,834 700,956,523 706,934,267 730,928,075 759,875,681 711,416,963 644,870,680 669,471,174	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021 1.0003 1.0021 1.0001 1.0013 1.0012 1.0009 1.0023 1.0017 1.0005 1.0005 1.00074 1.0000
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391 729,276,042 758,602,032 711,088,056 640,112,260 669,467,601 646,404,306	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523 706,934,267 730,928,075 759,875,681 711,416,963 644,870,680 669,471,174 652,364,081	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021 1.0003 1.0021 1.0001 1.0013 1.0012 1.0009 1.0023 1.0017 1.0005 1.0024 1.0005 1.0074 1.0000 1.0092
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391 729,276,042 758,602,032 711,088,056 640,112,260 669,467,601 646,404,306 587,718,718	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523 706,934,267 730,928,075 759,875,681 711,416,963 644,870,680 669,471,174 652,364,081 615,205,664	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021 1.0003 1.0021 1.0003 1.0010 1.0011 1.0010 1.0013 1.0012 1.0009 1.0023 1.0017 1.0005 1.0074 1.0000 1.0092 1.0468
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391 729,276,042 758,602,032 711,088,056 640,112,260 669,467,601 646,404,306 587,718,718 558,086,921	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523 706,934,267 730,928,075 759,875,681 711,416,963 644,870,680 669,471,174 652,364,081 615,205,664 629,326,300	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021 1.0003 1.0021 1.0003 1.0012 1.0010 1.0013 1.0012 1.0009 1.0023 1.0017 1.0005 1.0074 1.0000 1.0092 1.0468 1.1276
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	As of 12/31/15  4,680,989,260 715,529,652 866,956,759 982,128,054 1,142,944,672 1,168,340,124 1,016,348,121 861,795,845 753,819,714 692,181,490 588,622,413 506,669,757 514,891,289 517,116,033 588,454,051 630,949,282 641,321,168 670,971,925 658,712,689 700,143,263 706,277,391 729,276,042 758,602,032 711,088,056 640,112,260 669,467,601 646,404,306 587,718,718	As of 12/31/16  4,680,991,716 715,795,145 866,280,939 982,554,826 1,143,500,362 1,169,073,351 1,017,162,457 862,729,147 753,937,302 693,344,871 587,692,565 506,812,436 515,949,062 517,272,656 588,765,409 630,701,216 642,664,471 671,622,783 659,536,834 700,956,523 706,934,267 730,928,075 759,875,681 711,416,963 644,870,680 669,471,174 652,364,081 615,205,664	Ratio to Prior Year  1.0000 1.0004 0.9992 1.0004 1.0005 1.0006 1.0008 1.0011 1.0002 1.0017 0.9984 1.0003 1.0021 1.0003 1.0005 0.9996 1.0021 1.0010 1.0013 1.0012 1.0009 1.0023 1.0017 1.0005 1.0074 1.0000 1.0092 1.0468

#### TABLE I - C - ADJUSTED TO A POST-ACT 44 AND 57 BASIS AND A PRE-HB 1846 BASIS

#### POLICY YEAR DATA ACCUMULATED TO END OF CALENDAR YEAR

#### MEDICAL INCURRED LOSSES EXCLUDING BULK AND IBNR RESERVES

Policy Year Valued	As of 12/31/14	As of 12/31/15	Ratio to Prior Year
Prior			
to 1986	1,499,990,552	1,498,465,515	0.9990
1986	327,480,386	326,929,174	0.9983
1987	437,402,743	438,367,942	1.0022
1988	529,468,600	529,078,211	0.9993
1989	640,470,994	646,608,388	1.0096
1990	669,066,222	671,537,263	1.0037
1991	622,922,793	625,512,975	1.0042
1992	568,782,931	569,707,864	1.0016
1993	482,036,917	484,920,238	1.0060
1994	454,361,938	457,561,385	1.0070
1995	413,018,782	417,259,600	1.0103
1996	409,695,200	407,125,971	0.9937
1997	422,673,546	423,699,072	1.0024
1998	447,273,640	447,328,094	1.0001
1999	473,311,600	473,240,552	0.9998
2000	501,899,355	504,529,986	1.0052
2001	491,190,493	493,054,786	1.0038
2002	536,248,616	541,294,324	1.0094
2003	551,631,651	555,162,740	1.0064
2004	608,828,996	609,582,175	1.0012
2005	625,438,461	627,516,086	1.0012
2006	635,745,338	640,510,673	1.0035
	682,636,410		0.9987
2007	, ,	681,729,415	
2008	618,561,454	623,859,577	1.0086
2009	572,028,976	570,994,426	0.9982
2010	632,686,243	636,561,157	1.0061
2011	632,258,720	627,520,380	0.9925
2012	569,995,531	584,354,981	1.0252
		678 300 38/I	1.0874
2013	577,788,944	628,309,384	
2014	259,561,425	574,985,747	2.2152
2014 2015 <b>Policy Year</b>	259,561,425 <b>As of</b>	574,985,747 251,291,768 <b>As of</b>	2.2152 Ratio to
2014 2015 Policy Year Valued	259,561,425	574,985,747 251,291,768	2.2152
2014 2015 Policy Year Valued Prior	259,561,425  As of 12/31/15	574,985,747 251,291,768 As of 12/31/16	2.2152  Ratio to  Prior Year
2014 2015 Policy Year Valued Prior to 1986	259,561,425  As of 12/31/15  1,498,458,547	574,985,747 251,291,768 As of 12/31/16	2.2152  Ratio to Prior Year  1.0028
2014 2015 Policy Year Valued Prior to 1986 1986	259,561,425  As of 12/31/15  1,498,458,547 326,926,543	574,985,747 251,291,768 As of 12/31/16 1,502,718,079 329,855,306	2.2152  Ratio to Prior Year  1.0028 1.0090
2014 2015 Policy Year Valued Prior to 1986 1986 1987	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267	574,985,747 251,291,768 As of 12/31/16 1,502,718,079 329,855,306 439,110,143	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990	574,985,747 251,291,768 As of 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247	574,985,747 251,291,768 As of 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0049
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204	574,985,747 251,291,768 As of 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040	574,985,747 251,291,768 As of 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971	574,985,747 251,291,768 As of 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044
2014 2015 Policy Year Valued Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397	574,985,747 251,291,768 As of 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561	574,985,747 251,291,768 As of 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044
2014 2015 Policy Year Valued  Prior to 1986 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076
2014 2015 Policy Year Valued  Prior to 1986 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996
2014 2015 Policy Year Valued  Prior to 1986 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108 632,091,760	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996 1.0096
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996
2014 2015 Policy Year Valued  Prior to 1986 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108 632,091,760	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996 1.0096
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174 639,074,769	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108 632,091,760 641,590,242	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996 1.0096 1.0039
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174 639,074,769 679,286,026	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108 632,091,760 641,590,242 683,097,618	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0056 1.0044 1.0076 0.9996 1.0096 1.0039 1.0056
2014 2015 Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174 639,074,769 679,286,026 621,199,367	574,985,747 251,291,768 <b>As of</b> 12/31/16 1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108 632,091,760 641,590,242 683,097,618 620,979,499	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996 1.0096 1.0039 1.0056 0.9996
2014 2015 Policy Year Valued Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174 639,074,769 679,286,026 621,199,367 565,841,899	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,609 543,750,938 556,046,559 607,439,108 632,091,760 641,590,242 683,097,618 620,979,499 574,580,269	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996 1.0039 1.0056 0.9996 1.0154
2014 2015 Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174 639,074,769 679,286,026 621,199,367 565,841,899 632,700,090	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108 632,091,760 641,590,242 683,097,618 620,979,499 574,580,269 632,800,603	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996 1.0039 1.0056 0.9996 1.0154 1.0002
2014 2015 Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174 639,074,769 679,286,026 621,199,367 565,841,899 632,700,090 623,121,780	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108 632,091,760 641,590,242 683,097,618 620,979,499 574,580,269 632,800,603 629,184,365	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 0.9995 1.0060 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996 1.0039 1.0056 0.9996 1.0154 1.0002 1.0097
2014 2015 Policy Year Valued  Prior to 1986 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174 639,074,769 679,286,026 621,199,367 565,841,899 632,700,090 623,121,780 580,578,006	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108 632,091,760 641,590,242 683,097,618 620,979,499 574,580,269 632,800,603 629,184,365 587,904,549	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996 1.0039 1.0056 0.9996 1.0154 1.0002 1.0097 1.0126
2014 2015 Policy Year Valued  Prior to 1986 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2011	259,561,425  As of 12/31/15  1,498,458,547 326,926,543 438,489,267 529,097,990 646,634,916 671,628,321 625,562,259 569,813,172 485,049,881 457,680,247 417,311,204 407,197,040 423,730,971 447,440,397 473,318,561 504,617,380 493,118,922 541,371,116 551,864,988 607,705,208 626,089,174 639,074,769 679,286,026 621,199,367 565,841,899 632,700,090 623,121,780 580,578,006 619,601,141	574,985,747 251,291,768  As of 12/31/16  1,502,718,079 329,855,306 439,110,143 530,096,741 650,931,988 675,236,229 624,796,766 572,316,006 487,423,444 459,685,357 417,082,865 409,645,488 425,592,114 447,683,004 475,065,809 507,246,267 495,406,609 543,750,938 556,046,559 607,439,108 632,091,760 641,590,242 683,097,618 620,979,499 574,580,269 632,800,603 629,184,365 587,904,549 641,740,885	2.2152  Ratio to Prior Year  1.0028 1.0090 1.0014 1.0019 1.0066 1.0054 0.9988 1.0044 1.0049 1.0044 1.0005 1.0037 1.0052 1.0046 1.0044 1.0076 0.9996 1.0099 1.0056 0.9996 1.0054 1.0002 1.0097 1.0126 1.0357

#### TABLE I - D - ADJUSTED TO A POST-ACT 44 AND 57 BASIS AND A PRE-HB 1846 BASIS

#### POLICY YEAR DATA ACCUMULATED TO END OF CALENDAR YEAR

#### INDEMNITY PAID LOSSES

Policy Year	As of	As of	Ratio to
Valued	12/31/14	12/31/15	Prior Year
Prior	4 040 000 005	4 00 4 000 404	4 0040
to 1986	4,616,293,835	4,624,960,491	1.0019
1986	700,260,248	702,459,220	1.0031
1987 1988	852,886,179	854,684,001 965,539,400	1.0021 1.0021
1989	963,546,859 1,113,172,471	1,116,597,000	1.0021
1990	1,138,563,253	1,142,203,623	1.0031
1991	982,466,076	985,848,749	1.0034
1992	830,728,050	833,967,133	1.0039
1993	724,658,919	727,745,769	1.0043
1994	662,743,317	665,749,932	1.0045
1995	568,192,894	570,124,967	1.0034
1996	491,040,445	492,409,570	1.0028
1997	506,014,142	507,458,695	1.0029
1998	509,174,479	510,511,657	1.0026
1999	579,662,150	580,419,901	1.0013
2000	618,704,827	620,641,738	1.0031
2001	627,952,437	630,449,396	1.0040
2002	647,975,062	651,500,270	1.0054
2003	637,050,657	641,567,792	1.0071
2004	664,463,026	670,728,507	1.0094
2005	678,386,825	684,004,633	1.0083
2006	692,511,847	701,593,986	1.0131
2007	718,539,155	728,911,964	1.0144
2008	673,843,251	682,665,474	1.0131
2009	593,301,855	614,396,491	1.0356
2010	596,460,832	625,891,670	1.0493
2011	535,868,055	590,019,911	1.1011
2012	396,468,228	499,801,834	1.2606
2013	221,540,085	425,209,146	1.9193
2014	43,095,002	226,088,106	5.2463
2014 2015	43,095,002	226,088,106 41,785,138	5.2463
	43,095,002 <b>As of</b>		5.2463  Ratio to
2015		41,785,138	
2015 Policy Year	As of	41,785,138 <b>As of</b>	Ratio to
2015  Policy Year  Valued	As of	41,785,138 <b>As of</b>	Ratio to
Policy Year Valued Prior to 1986 1986	As of 12/31/15 4,624,657,710 702,471,966	41,785,138  As of 12/31/16	Ratio to Prior Year 1.0015 1.0024
Policy Year Valued Prior to 1986 1986 1987	As of 12/31/15 4,624,657,710 702,471,966 854,697,282	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302	Ratio to Prior Year  1.0015 1.0024 1.0016
Policy Year Valued Prior to 1986 1986 1987 1988	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020
Policy Year Valued Prior to 1986 1986 1987 1988 1989	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020 1.0029
Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020 1.0029 1.0028
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035
Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040
Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046
Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038
Policy Year Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127	Ratio to Prior Year 1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0018
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0018
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0018 1.0019 1.0017
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0018 1.0019 1.0017 1.0022
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0018 1.0019 1.0017 1.0022 1.0026
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0018 1.0019 1.0017 1.0022 1.0026 1.0040
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	As of 12/31/15 4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0018 1.0019 1.0017 1.0022 1.0026
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0018 1.0019 1.0017 1.0022 1.0026 1.0040 1.0048
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0019 1.0017 1.0022 1.0026 1.0040 1.0048 1.0048
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821 679,993,954	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169 685,176,580	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0019 1.0017 1.0022 1.0026 1.0040 1.0048 1.0048 1.0066 1.0076
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821 679,993,954 698,125,084	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169 685,176,580 704,161,029	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0017 1.0012 1.0022 1.0026 1.0040 1.0048 1.0048 1.0066 1.0076 1.0086
2015  Policy Year Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821 679,993,954 698,125,084 724,663,231	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169 685,176,580 704,161,029 732,423,301	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0011 1.0019 1.0017 1.0022 1.0026 1.0040 1.0048 1.0066 1.0076 1.0086 1.0076
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821 679,993,954 698,125,084 724,663,231 677,672,257	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169 685,176,580 704,161,029 732,423,301 685,516,071	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0019 1.0017 1.0022 1.0026 1.0040 1.0048 1.0046 1.0048 1.0066 1.0076 1.0086 1.0107 1.0116
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821 679,993,954 698,125,084 724,663,231 677,672,257 608,189,838	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169 685,176,580 704,161,029 732,423,301 685,516,071 622,237,889	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0019 1.0017 1.0022 1.0026 1.0040 1.0048 1.0048 1.0066 1.0076 1.0086 1.0107 1.0116 1.0231
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821 679,993,954 698,125,084 724,663,231 677,672,257 608,189,838 621,277,186	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169 685,176,580 704,161,029 732,423,301 685,516,071 622,237,889 637,884,831	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0017 1.0022 1.0026 1.0040 1.0048 1.0046 1.0048 1.0066 1.0076 1.0086 1.0107 1.0116 1.0231 1.0267
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821 679,993,954 698,125,084 724,663,231 677,672,257 608,189,838 621,277,186 585,066,070	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169 685,176,580 704,161,029 732,423,301 685,516,071 622,237,889 637,884,831 610,965,237	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0017 1.0022 1.0026 1.0040 1.0048 1.0066 1.0076 1.0086 1.0077 1.0116 1.0231 1.0267 1.0443
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821 679,993,954 698,125,084 724,663,231 677,672,257 608,189,838 621,277,186 585,066,070 495,434,038	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169 685,176,580 704,161,029 732,423,301 685,516,071 622,237,889 637,884,831 610,965,237 552,310,587	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0029 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0017 1.0022 1.0026 1.0040 1.0048 1.0066 1.0076 1.0086 1.0076 1.0086 1.0077 1.0116 1.0231 1.0267 1.0443 1.1148
2015  Policy Year Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	As of 12/31/15  4,624,657,710 702,471,966 854,697,282 965,557,516 1,116,635,141 1,142,256,580 985,803,782 833,957,913 727,776,056 665,754,343 570,145,064 492,431,589 507,458,695 510,511,657 580,419,901 620,641,738 630,449,396 651,500,270 637,196,936 667,956,821 679,993,954 698,125,084 724,663,231 677,672,257 608,189,838 621,277,186 585,066,070 495,434,038 417,965,873	41,785,138  As of 12/31/16  4,631,393,876 704,135,529 856,059,302 967,441,515 1,119,923,195 1,145,499,500 989,273,902 837,249,307 730,687,430 668,799,448 572,323,066 493,974,698 508,378,127 511,498,818 581,411,687 621,976,987 632,063,152 654,094,689 640,230,138 672,358,169 685,176,580 704,161,029 732,423,301 685,516,071 622,237,889 637,884,831 610,965,237 552,310,587 540,005,496	Ratio to Prior Year  1.0015 1.0024 1.0016 1.0020 1.0029 1.0028 1.0035 1.0039 1.0040 1.0046 1.0038 1.0031 1.0017 1.0022 1.0026 1.0040 1.0048 1.0066 1.0076 1.0086 1.0076 1.0086 1.0077 1.0116 1.0231 1.0267 1.0443 1.1148 1.2920

#### TABLE I - E - ADJUSTED TO A POST-ACT 44 AND 57 BASIS AND A PRE-HB 1846 BASIS

#### POLICY YEAR DATA ACCUMULATED TO END OF CALENDAR YEAR

#### **MEDICAL PAID LOSSES**

Policy Year Valued	As of 12/31/14	As of 12/31/15	Ratio to Prior Year
Prior			<u> </u>
to 1986	1,372,923,933	1,386,242,742	1.0097
1986	307,276,300	309,049,742	1.0058
1987	404,133,862	407,025,030	1.0072
1988	494,201,399	497,595,723	1.0069
1989	594,994,673	600,237,486	1.0088
1990	633,817,888	637,860,192	1.0064
1991	582,262,802	586,234,018	1.0068
1992	527,846,136	533,114,596	1.0100
1993	453,205,055	457,657,164	1.0098
1994	421,127,864	426,343,000	1.0124
1995 1996	386,143,047	388,993,171 376,632,384	1.0074
1997	372,846,632 387,838,631	391,392,883	1.0102 1.0092
1998	409,661,803	413,752,937	1.0100
1999	437,117,417	440,442,149	1.0076
2000	469,947,743	474,745,095	1.0102
2001	464,880,542	467,988,570	1.0067
2002	496,206,405	503,237,067	1.0142
2003	518,654,675	524,362,271	1.0110
2004	563,813,222	570,120,891	1.0112
2005	576,722,031	584,924,874	1.0142
2006	584,677,500	593,739,017	1.0155
2007	629,597,404	638,538,678	1.0142
2008	573,368,370	581,034,358	1.0134
2009	523,266,559	531,748,927	1.0162
2010	560,944,623	572,323,286	1.0203
2011	560,043,598	579,654,224	1.0350
2012	489,273,850	523,277,918	1.0695
2013	414,790,359	519,655,225	1.2528
2014	123,499,550	426,979,703	3.4573
2015		115,282,819	
Policy Year	As of	As of	Ratio to
Valued	As of 12/31/15	As of 12/31/16	Ratio to Prior Year
Valued Prior	12/31/15	12/31/16	Prior Year
Valued Prior to 1986	<b>12/31/15</b> 1,386,184,065	<b>12/31/16</b> 1,397,569,148	Prior Year 1.0082
Valued Prior to 1986 1986	12/31/15 1,386,184,065 309,035,659	12/31/16 1,397,569,148 311,818,890	1.0082 1.0090
Valued Prior to 1986 1986 1987	12/31/15 1,386,184,065 309,035,659 407,043,611	1,397,569,148 311,818,890 410,623,515	1.0082 1.0090 1.0088
Valued Prior to 1986 1986	1,386,184,065 309,035,659 407,043,611 497,574,746	12/31/16 1,397,569,148 311,818,890	1.0082 1.0090 1.0088 1.0059
Valued Prior to 1986 1986 1987 1988	12/31/15 1,386,184,065 309,035,659 407,043,611	1,397,569,148 311,818,890 410,623,515 500,522,830	1.0082 1.0090 1.0088
Valued Prior to 1986 1986 1987 1988 1989	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316	12/31/16 1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544	1.0082 1.0090 1.0088 1.0059 1.0100
Valued Prior to 1986 1986 1987 1988 1989 1990	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412	12/31/16 1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077
Valued Prior to 1986 1986 1987 1988 1989 1990 1991	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982	1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059
Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992	12/31/15 1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884	12/31/16 1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847	1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215	1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320	12/31/16 1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671	12/31/16 1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602	12/31/16 1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772	12/31/16 1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.0079 1.0095 1.0152 1.0102
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095
Valued  Prior to 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.00152 1.0102 1.0094
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062 583,450,821	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156 589,857,309	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.0152 1.0102 1.0094 1.0110
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062 583,450,821 592,211,096	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156 589,857,309 600,978,001	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.0152 1.0102 1.0094 1.0110 1.0148
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062 583,450,821 592,211,096 636,039,353 578,280,546 526,657,408	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156 589,857,309 600,978,001 644,965,724 584,880,586 533,900,739	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0095 1.0152 1.0102 1.0094 1.0110 1.0148 1.0140
Valued  Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062 583,450,821 592,211,096 636,039,353 578,280,546 526,657,408 568,480,378	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156 589,857,309 600,978,001 644,965,724 584,880,586 533,900,739 577,651,984	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.0152 1.0102 1.0094 1.0110 1.0148 1.0140 1.0148 1.0140 1.0114 1.0138 1.0161
Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062 583,450,821 592,211,096 636,039,353 578,280,546 526,657,408 568,480,378 574,995,404	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156 589,857,309 600,978,001 644,965,724 584,880,586 533,900,739 577,651,984 585,561,271	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.0152 1.0102 1.0094 1.0110 1.0148 1.0140 1.0148 1.0140 1.0144 1.0138 1.0161 1.0184
Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062 583,450,821 592,211,096 636,039,353 578,280,546 526,657,408 568,480,378 574,995,404 519,568,830	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156 589,857,309 600,978,001 644,965,724 584,880,586 533,900,739 577,651,984 585,561,271 540,940,529	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.0152 1.0102 1.0094 1.0110 1.0148 1.0140 1.0148 1.0140 1.0148 1.0140 1.0148 1.0140 1.0184 1.0184 1.0411
Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062 583,450,821 592,211,096 636,039,353 578,280,546 526,657,408 568,480,378 574,995,404 519,568,830 511,712,632	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156 589,857,309 600,978,001 644,965,724 584,880,586 533,900,739 577,651,984 585,561,271 540,940,529 555,282,219	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.0152 1.0102 1.0094 1.0110 1.0148 1.0140 1.0148 1.0140 1.0141 1.0138 1.0161 1.0184 1.0411 1.0851
Valued           Prior           to 1986           1987           1988           1990           1991           1992           1993           1994           1995           1996           1997           1998           1999           2000           2001           2002           2003           2004           2005           2006           2007           2008           2009           2010           2011           2012           2013           2014	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062 583,450,821 592,211,096 636,039,353 578,280,546 526,657,408 568,480,378 574,995,404 519,568,830 511,712,632 422,059,270	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156 589,857,309 600,978,001 644,965,724 584,880,586 533,900,739 577,651,984 585,561,271 540,940,529 555,282,219 538,727,874	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.0152 1.0102 1.0094 1.0110 1.0148 1.0140 1.0148 1.0140 1.0114 1.0138 1.0161 1.0184 1.0411 1.0851 1.2764
Valued Prior to 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	12/31/15  1,386,184,065 309,035,659 407,043,611 497,574,746 600,241,316 637,878,412 586,249,982 533,143,884 457,669,149 426,337,651 389,005,847 376,635,215 391,399,320 413,756,671 440,455,602 474,748,429 468,006,772 503,222,702 521,196,235 568,174,062 583,450,821 592,211,096 636,039,353 578,280,546 526,657,408 568,480,378 574,995,404 519,568,830 511,712,632	12/31/16  1,397,569,148 311,818,890 410,623,515 500,522,830 606,260,544 642,773,747 589,703,480 539,156,677 461,086,469 430,985,760 391,255,969 380,560,173 395,488,609 417,212,389 443,780,085 478,485,540 472,443,365 510,867,434 526,538,107 573,508,156 589,857,309 600,978,001 644,965,724 584,880,586 533,900,739 577,651,984 585,561,271 540,940,529 555,282,219	1.0082 1.0090 1.0088 1.0059 1.0100 1.0077 1.0059 1.0113 1.0075 1.0109 1.0058 1.0104 1.0104 1.0084 1.0075 1.0079 1.0095 1.0152 1.0102 1.0094 1.0110 1.0148 1.0140 1.0148 1.0140 1.0141 1.0138 1.0161 1.0184 1.0411 1.0851

#### **EXHIBIT VII**

#### LOSS COST FORMULAE

The experience used for classification relativities for the April 1, 2018 revision will include all available risks. It is proposed that catastrophes be limited in accordance with the procedure previously employed in other Bureau filings. The experience period will be five (5) years for all classifications regardless of whether a classification might meet the full credibility requirements with less than five years of data. Credibility will be based on reported payrolls for classifications using payroll as the exposure base. For non-payroll classifications, expected losses will be used as the basis for credibility. Thus, two credibility tables will be prepared for use in the April 1, 2018 filing. The values for these respective tables will be established such that the credibilities assigned to a payroll-based classification having the same portion of total statewide expected losses and payrolls attributable to its experience using each table would be equal. All occupational disease losses will be included in the exhibit of classification experience, with the total amount of such losses by type of injury being shown on a separate line on the classification loss cost worksheets.

Most classifications are subject to standard procedures as described below. However, circumstances will sometimes require that some classifications' rating procedure be modified to recognize situations where the normal rating process would not be appropriate. Such classifications, and the manner in which their loss costs have been derived, are separately identified within the filing material.

The calculation of classification loss costs will be made using the following procedure:

- (1) Determine the present pure premiums by category (serious, non-serious, medical only and total) for each classification.
- (2) Adjust the present pure premiums by category (serious, non-serious, medical-only and total) to the April 1, 2018 loss cost level.
- (3) Determine Expected Losses (serious, non-serious, medical-only and total) for each classification by multiplying the exposures from the experience period by the present pure premiums.
- (4) Determine the indicated pure premiums (serious, non-serious, medical-only and total) from the exposures and losses from the experience period.
- (5) Test the indicated total pure premiums by multiplying the exposures of the latest two years for each classification and obtaining the total Actual Losses for all classifications combined.
- (6) Calculate Expected Losses by multiplying the present pure premiums by the exposures from the last two years for each classification and by the overall average loss cost change.
- (7) Obtain correction factors by dividing the Expected Losses derived in (6) by the Actual Losses derived in (5).

#### LOSS COST FORMULAE (CONTINUED)

- (8) Multiply the indicated (pre-test) pure premiums from (4) times the correction factors derived in (7) to obtain indicated (post-test) pure premiums.
- (9) Determine "formula" pure premiums from (2) and (8) above for each type of loss (serious, non-serious and medical-only), with credibility for each category of loss corresponding to either the amount of reported payroll (for all classifications in which payroll is the exposure base) or to the amount of Expected Losses (for all "non-payroll" classifications). Credibility weights will be taken from exhibits appearing in the Class Book. The complement of credibility is in each case to be assigned to the present loss costs on April 1, 2018 level for each category of loss.
- (10) Select proposed total pure premiums for each classification, using the middle value from the total pure premiums derived in (2), (8) and (9) above. If the proposed pure premium selected on this basis is different from the formula pure premium derived in (9) above, partial pure premiums are to be allocated between categories (serious, non-serious and medical-only) in the same proportion as the partial pure premiums comprising the formula pure premium.
- (11) Test the proposed total pure premiums selected in (10) by multiplying by the exposures of the two latest years for each classification and obtaining the total Expected Losses for all classifications combined.
- (12) Obtain a correction factor by dividing the Expected Losses derived in (6) above by the Expected Losses derived in (11) above.
- (13) Calculate the "composite pure premium multiplier" as the product of the following items:
  - (a) The pure premium correction factor determined in (12) above.
  - (b) The proposed experience rating plan off-balance factor.
- (14) Apply the composite pure premium multiplier obtained in (13) above to the proposed total pure premiums to obtain classification loss costs.
- (15) Test to assure that the maximum departure of the classification loss costs derived in (14) above from current loss costs are in accordance with the following parameters:

Maximum Change in Loss Cost:

Upward: The overall average change plus 25% rounded to the nearest 1%.

Downward: The overall average change minus 25% rounded to the nearest 1%.

- (16) Loss costs are to be rounded to the nearest \$.01.
- (17) Test the limited loss costs derived in (16) above to determine if balance has been achieved within 0.0005 of the indicated change in loss cost level. If such balance has not been achieved, calculate the necessary correction factor to adjust the composite pure premium multipliers derived in (13) above to achieve the necessary balance. Perform steps (14) through (17) iteratively until the desired balance is achieved.

EXHIBIT VIII

COLLECTIBLE PREMIUM RATIOS \*

Manual	Premium at	Collected Premium	Collectible Premium
Year	Manual Rates	(Excluding Constants)	Ratio (2)/(3)
(1)	(2)	(3)	(4)
	AL	L INDUSTRIES	
2012	2,773,363,565	2,716,410,500	1.0210
2013	2,765,118,305	2,695,722,981	1.0257
2014	2,756,227,220	2,678,583,298	1.0290
TOTAL	8,294,709,090	8,090,716,779	1.0252
	MANUFAC	TURING AND UTILITIES	
2012	570,622,932	550,861,554	1.0359
2013	565,329,433	543,685,240	1.0398
2014	564,443,027	542,238,876	1.0409
TOTAL	1,700,395,392	1,636,785,670	1.0389
	CONTRAC	TING AND QUARRYING	
2012	526,615,593	473,301,153	1.1126
2013	526,957,286	470,108,430	1.1209
2014	534,892,299	470,016,147	1.1380
TOTAL	1,588,465,178	1,413,425,730	1.1238
	ОТН	IER INDUSTRIES	
2012	1,676,125,040	1,692,247,793	0.9905
2013	1,672,831,586	1,681,929,311	0.9946
2014	1,656,891,894	1,666,328,275	0.9943
TOTAL	5,005,848,520	5,040,505,379	0.9931

<sup>\*</sup> Excludes classifications and coverages not subject to experience rating.

EXHIBIT IX

CALCULATION OF EXPECTED LOSS COST FACTORS (a)

Policy Year Beginning 4/1 (1)	HB 1846 Adjustment Factor (2)	Protz Adjustment Factor (3)	Loss Ratio Development Factor (4)	Collectible Premium Ratio (5)	Trend Factor (6)	Product (2) * (3) * (4) * (5) * (6) (7)	Expected Loss Cost Factor 1.0 / (7) (8)
			Manufacturing	and Utilities			
2014	0.9993	1.0691	1.1209	1.0389	0.9383	1.1674	0.8566
2015	1.0000	1.0691	1.2334	1.0389	0.9533	1.3060	0.7657
2016	1.0000	1.0691	1.5222	1.0389	0.9686	1.6377	0.6106
			0				
			Contracting a	na Quarrying			
2014	0.9993	1.0691	1.1656	1.1238	0.9383	1.3132	0.7615
2015	1.0000	1.0691	1.2449	1.1238	0.9533	1.4259	0.7013
2016	1.0000	1.0691	1.5023	1.1238	0.9686	1.7483	0.5720
Other Industries							
2014	0.9993	1.0691	1.1200	0.9931	0.9383	1.1150	0.8969
2015	1.0000	1.0691	1.2215	0.9931	0.9533	1.2364	0.8088
2016	1.0000	1.0691	1.5175	0.9931	0.9686	1.5606	0.6408
-							

a Apply to pure Loss Costs (pre-LBA, Merit Rating Plan, PCCPAP and Certified Safety Committee adjustments).

#### **EXHIBIT X**

#### **RETROSPECTIVE DEVELOPMENT FACTORS \***

Retrospective development factors for first, second and third adjustments are calculated below. They are intended for application to retrospective plans with no loss limitation.

First Adjustment	RDF =	0.3108
Second Adjustment	RDF =	0.1738
Third Adjustment	RDF =	0.1095

For those companies using retrospective development factors with loss limitations, the following formula may be used:

$$RDF(LIM) = (1.0 - ELF) \times RDF$$

RDF(LIM) = Retrospective Development Factors at limited basis ELF = Excess Loss Factors for given Hazard Group and Loss Limitation RDF = Retrospective Development Factors without Loss Limitation

For Example:

<sup>\*</sup> The use of retrospective development factors is optional.