PENNSYLVANIA COMPENSATION RATING BUREAU

Summary of Material for Modification of Experience April 1, 2019 Loss Cost Revision

PENNSYLVANIA 2019 LOSS COST FILING

EFFECTIVE DATE - April 1, 2019

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EXHIBIT I

INDICATED CHANGE IN LOSS COSTS

			!	ndemnity	<u>Medical</u>	<u>Total</u>
(1)	Policy Year 2014 Ratio of Loss to Expected Lo)SS		0.5317	0.6130	1.1447
(2)	Policy Year 2015 Ratio of Loss to Expected Lo			0.4956	0.5374	1.0330
(3)	Policy Year 2016 Ratio of Loss to Expected Lo	oss		0.4765	0.5203	0.9968
(4)	Average (Midpoint = 1/1/2016)			0.5013	0.5569	1.0582
(5)	Policy Year 2014 Ratio Trended to 4/1/2020	+		0.4245	0.5070	0.9315
(6)	Policy Year 2015 Ratio Trended to 4/1/2020	+		0.4130	0.4609	0.8739
(7)	Policy Year 2016 Ratio Trended to 4/1/2020	+		0.4145	0.4627	0.8772
(8)	Average at 4/1/2020			0.4173	0.4769	0.8942
(9a)	Protz Adjustment			1.1337	1.0000	
(9b)	House Bill 1840 Adjustment			0.8961	1.0000	
(10)	Indicated Change in Loss Costs			0.4239	0.4769	0.9008
						-9.92%

CHANGES IN MANUAL LOSS COST LEVEL BY INDUSTRY GROUP

		<u>wrg.</u>	Cont.	<u>Other</u>	Total
(11)	Current Collectible Premium Ratio	1.0389	1.1238	0.9931	
(12)	Anticipated Collectible Premium Ratio	1.0411	1.1268	0.9929	
(13)	Final Indicated Change in Manual Loss Cost Level	0.9027	0.9032	0.9006	0.9015
	(10T) * (12) / (11)				

+ Refer to pages 18 and 19

EXHIBIT II

CALCULATION OF EMPLOYER ASSESSMENT FACTOR AND LOADING FOR LOSS BASED ASSESSMENTS

(1)	2017 PCRB Member Paid Loss*	2,144,419,288
(2)	2018/2019 Fiscal Year Membership Assessment Amount	
	 a. Administration Fund b. Subsequent Injury Fund c. Supersedeas Fund d. Uninsured Employers Guaranty Fund e. Total 	41,047,540 143,127 18,349,804 2,169,313 61,709,784
(3)	2017 Employer Assessment Premium Base	3,363,452,501
(4)	2018/2019 Fiscal Year Membership Assessment Rate	
	 a. Administration Fund (2a) / (3) b. Subsequent Injury Fund (2b) / (3) c. Supersedeas Fund (2c) / (3) d. Uninsured Employers Guaranty Fund (2d) / (3) e. Employer Assessment Factor (4a) + (4b) + (4c) + (4d) 	0.0122 0.0000 0.0055 0.0006 0.0183
(5)	2018/2019 Fiscal Year Budget for the Office of Small Business Advocate	275,000
(6)	2018/2019 Fiscal Year Membership Assessment Rate for the Office of Small Business Advocate (5) / (1)	0.0001
(7)	Merit Rating Plan Increment Factor	0.0033
(8)	Certified Safety Committee Program Increment Factor	0.0100
(9)	Overall Adjustment for the Office of Small Business Advocate, Merit Rating Plan and Certified Safety Committee Program (6) + (7) + (8)	0.0134

^{*} Loss payments on deductible policies have been adjusted to a first dollar basis.

Standard Earned Premium Reported (Table I)			1,492,574,056
Premium Development Factor to Ultimate Level (Exhibit	it V-1)		1.0092
Expense Constant Removal Factor			1.0000
PCCPAP On-Level Factor			1.0078
Factor to Remove Loss Based Assessments			0.9853
Standard Earned Premium on Level (1) * (2) * (3) * (4)	* (5)		1,495,739,515
Loss Cost Change to 1/1/19 Level			0.8518
Expected Loss at Current Level (6) * (7)			1,274,070,919
es - Paid-to-30th Method	Indemnity	Medical	Total
Paid Losses (Table I-D & I-E)	207,070,815	358,709,085	565,779,900
Loss Development Factor to Ultimate	3 10/3	1 0300	
		1	1,338,669,685
			1,330,009,003
			1 229 660 695
	042,009,931	695,659,754	1,338,669,685
Expected Losses (13) / (8)	0.5045	0.5462	1.0507
es - Incurred Method			
Incurred Losses (Table I-B & I-C)	359,295,065	491,373,811	850,668,876
Loss Development Factor to Ultimate	1 5004	1 2010	
			1 201 211 050
			1,201,314,959
			4 004 044 050
	5/1,422,8/1	629,892,088	1,201,314,959
Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.4485	0.4944	0.9429
	0.4485	0.4944	0.9429
Expected Losses (19) / (8)	0.4485	0.4944 662,875,921	0.9429
Expected Losses (19) / (8) es - Average of Incurred and Paid-to-30th Method			
Expected Losses (19) / (8) es - Average of Incurred and Paid-to-30th Method Adjusted Ultimate Incurred Losses ((13) + (19)) / 2 Policy Year Ratio of Losses to	607,116,401	662,875,921	1,269,992,322
	Premium Development Factor to Ultimate Level (Exhibit Expense Constant Removal Factor PCCPAP On-Level Factor Factor to Remove Loss Based Assessments Standard Earned Premium on Level (1) * (2) * (3) * (4) Loss Cost Change to 1/1/19 Level Expected Loss at Current Level (6) * (7) Is - Paid-to-30th Method Paid Losses (Table I-D & I-E) Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3) Ultimate Incurred Losses (9) * (10) Adjustment to Post-Act 44 Loss Levels Adjusted Losses (11) * (12) Policy Year Ratio of Losses to Expected Losses (13) / (8) Incurred Method Incurred Losses (Table I-B & I-C) Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3) Ultimate Incurred Losses (15) * (16) Adjustment to Post-Act 44 Loss Levels Adjusted Losses (17) * (18)	Premium Development Factor to Ultimate Level (Exhibit V-1) Expense Constant Removal Factor PCCPAP On-Level Factor Factor to Remove Loss Based Assessments Standard Earned Premium on Level (1) * (2) * (3) * (4) * (5) Loss Cost Change to 1/1/19 Level Expected Loss at Current Level (6) * (7) Paid Losses (Table I-D & I-E) Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3) Ultimate Incurred Losses (9) * (10) Adjustment to Post-Act 44 Loss Levels Adjusted Losses (11) * (12) Policy Year Ratio of Losses to Expected Losses (13) / (8) Ps - Incurred Method Incurred Losses (Table I-B & I-C) Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3) 1.5904 Ultimate Incurred Losses (15) * (16) Adjustment to Post-Act 44 Loss Levels 1.0000	Premium Development Factor to Ultimate Level (Exhibit V-1) Expense Constant Removal Factor PCCPAP On-Level Factor Factor to Remove Loss Based Assessments Standard Earned Premium on Level (1) * (2) * (3) * (4) * (5) Loss Cost Change to 1/1/19 Level Expected Loss at Current Level (6) * (7) Se - Paid-to-30th Method Paid Losses (Table I-D & I-E) Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3) Ultimate Incurred Losses (9) * (10) Adjusted Losses (11) * (12) Policy Year Ratio of Losses to Expected Losses (13) / (8) Se - Incurred Method Incurred Losses (Table I-B & I-C) Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3) In 1.5904 1.2819 Ultimate Incurred Losses (15) * (16) Adjusted Losses (17) * (18) 571,422,871 629,892,088 Adjusted Losses (17) * (18) 571,422,871 629,892,088

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,507,408,015
(2)	Premium Development Factor to Ultimate Level (Exhibit	V-1)		1.0005
(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) *	(5)		1,497,285,279
(7)	Loss Cost Change to 1/1/19 Level			0.8299
(8)	Expected Loss at Current Level (6) * (7)			1,242,597,053
Losse	es - Paid-to-30th Method	Indemnity	Medical	Total
(9)	Paid Losses (Table I-D & I-E)	391,792,076	450,619,207	842,411,283
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.6693	1.5466	
(11)	Ultimate Incurred Losses (9) * (10)	654,018,512	696,927,666	1,350,946,178
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	654,018,512	696,927,666	1,350,946,178
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5263	0.5609	1.0872
Losse	es - Incurred Method			
(15)	Incurred Losses (Table I-B & I-C)	496,705,992	534,288,608	1,030,994,600
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1630	1.1953	
(17)	Ultimate Incurred Losses (15) * (16)	577,669,069	638,635,173	1,216,304,242
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	577,669,069	638,635,173	1,216,304,242
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.4649	0.5140	0.9789
Losse	es - Average of Incurred and Paid-to-30th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	615,843,791	667,781,420	1,283,625,211
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.4956	0.5374	1.0330
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.5803	0.5803	
(24)	Severity Ratio * (22) / (23)	0.8541	0.9261	1.7802

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,513,882,133
(2)	Premium Development Factor to Ultimate Level (Exhibit	V-1)		1.0001
(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)		1,502,232,569
(7)	Loss Cost Change to 1/1/19 Level			0.7825
(8)	Expected Loss at Current Level (6) * (7)			1,175,496,985
Losse	es - Paid-to-30th Method	Indemnity	Medical	Total
(9)	Paid Losses (Table I-D & I-E)	488,886,040	525,968,802	1,014,854,842
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.3350	1.4453	
(11)	Ultimate Incurred Losses (9) * (10)	652,662,863	760,182,710	1,412,845,573
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	652,662,863	760,182,710	1,412,845,573
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5552	0.6467	1.2019
Losse	es - Incurred Method			
(15)	Incurred Losses (Table I-B & I-C)	564,960,436	584,417,377	1,149,377,813
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0572	1.1651	
(17)	Ultimate Incurred Losses (15) * (16)	597,276,173	680,904,686	1,278,180,859
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	597,276,173	680,904,686	1,278,180,859
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.5081	0.5792	1.0873
Losse	es - Average of Incurred and Paid-to-30th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	624,969,518	720,543,698	1,345,513,216
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5317	0.6130	1.1447
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.6292	0.6292	
(24)	Severity Ratio * (22) / (23)	0.8451	0.9743	1.8194

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,502,866,414
(2)	Premium Development Factor to Ultimate Level (Exhibit V	V-1)		0.9999
(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)		1,490,546,396
(7)	Loss Cost Change to 1/1/19 Level			0.7452
(8)	Expected Loss at Current Level (6) * (7)	,		1,110,755,174
Losse	es - Paid-to-30th Method	Indemnity	Medical	Total
(9)	Paid Losses (Table I-D & I-E)	529,754,399	517,270,705	1,047,025,104
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.2209	1.3978	
(11)	Ultimate Incurred Losses (9) * (10)	646,777,146	723,040,991	1,369,818,137
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	646,777,146	723,040,991	1,369,818,137
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5823	0.6509	1.2332
Losse	es - Incurred Method			
(15)	Incurred Losses (Table I-B & I-C)	578,028,628	579,531,357	1,157,559,985
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0306	1.1601	
(17)	Ultimate Incurred Losses (15) * (16)	595,716,304	672,314,327	1,268,030,631
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	595,716,304	672,314,327	1,268,030,631
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.5363	0.6053	1.1416
Losse	es - Average of Incurred and Paid-to-30th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	621,246,725	697,677,659	1,318,924,384
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5593	0.6281	1.1874
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.6868	0.6868	
(24)	Severity Ratio * (22) / (23)	0.8144	0.9146	1.7290

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,539,247,581
(2)	Premium Development Factor to Ultimate Level (Exhibit	V-1)		1.0001
(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)		1,527,709,536
(7)	Loss Cost Change to 1/1/19 Level			0.7114
(8)	Expected Loss at Current Level (6) * (7)			1,086,812,564
Losse	es - Paid-to-30th Method	Indemnity	Medical	Total
(9)	Paid Losses (Table I-D & I-E)	527,719,678	503,111,608	1,030,831,286
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1726	1.3732	
(11)	Ultimate Incurred Losses (9) * (10)	618,804,094	690,872,860	1,309,676,954
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	618,804,094	690,872,860	1,309,676,954
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.5694	0.6357	1.2051
Losse	es - Incurred Method			
(15)	Incurred Losses (Table I-B & I-C)	571,753,520	556,010,152	1,127,763,672
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0249	1.1432	
(17)	Ultimate Incurred Losses (15) * (16)	585,990,183	635,630,806	1,221,620,989
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	585,990,183	635,630,806	1,221,620,989
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.5392	0.5849	1.1241
Losse	es - Average of Incurred and Paid-to-30th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	602,397,139	663,251,833	1,265,648,972
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5543	0.6103	1.1646
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.7030	0.7030	
(24)	Severity Ratio * (22) / (23)	0.7885	0.8682	1.6567

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,650,529,182
(2)	Premium Development Factor to Ultimate Level (Exhibit	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) *	(5)		1,637,193,768
(7)	Loss Cost Change to 1/1/19 Level			0.6852
(8)	Expected Loss at Current Level (6) * (7)			1,121,805,170
Losse	es - Paid-to-30th Method	Indemnity	Medical	Total
(9)	Paid Losses (Table I-D & I-E)	597,630,706	557,259,255	1,154,889,961
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1401	1.3522	
(11)	Ultimate Incurred Losses (9) * (10)	681,358,768	753,525,965	1,434,884,733
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	681,358,768	753,525,965	1,434,884,733
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.6074	0.6717	1.2791
Losse	es - Incurred Method			
(15)	Incurred Losses (Table I-B & I-C)	629,011,884	596,687,478	1,225,699,362
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0202	1.1379	
(17)	Ultimate Incurred Losses (15) * (16)	641,717,924	678,970,681	1,320,688,605
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	641,717,924	678,970,681	1,320,688,605
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.5720	0.6052	1.1772
Losse	es - Average of Incurred and Paid-to-30th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	661,538,346	716,248,323	1,377,786,669
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.5897	0.6385	1.2282
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.7519	0.7519	
(24)	Severity Ratio * (22) / (23)	0.7843	0.8492	1.6335

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,602,977,986
(2)	Premium Development Factor to Ultimate Level (Exhibit	V-1)		0.9998
(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)		1,588,750,251
(7)	Loss Cost Change to 1/1/19 Level			0.6909
(8)	Expected Loss at Current Level (6) * (7)			1,097,667,548
Losse	es - Paid-to-30th Method	Indemnity	Medical	Total
(9)	Paid Losses (Table I-D & I-E)	630,380,745	559,862,860	1,190,243,605
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1208	1.3342	
(11)	Ultimate Incurred Losses (9) * (10)	706,530,739	746,969,028	1,453,499,767
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	706,530,739	746,969,028	1,453,499,767
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.6437	0.6805	1.3242
Losse	es - Incurred Method			
(15)	Incurred Losses (Table I-B & I-C)	654,448,556	604,879,879	1,259,328,435
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0153	1.1278	
(17)	Ultimate Incurred Losses (15) * (16)	664,461,619	682,183,528	1,346,645,147
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	664,461,619	682,183,528	1,346,645,147
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.6053	0.6215	1.2268
Losse	es - Average of Incurred and Paid-to-30th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	685,496,179	714,576,278	1,400,072,457
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.6245	0.6510	1.2755
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.8008	0.8008	
(24)	Severity Ratio * (22) / (23)	0.7799	0.8129	1.5928

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,532,188,924
(2)	Premium Development Factor to Ultimate Level (Exhibit	V-1)		0.9998
(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)		1,508,319,575
(7)	Loss Cost Change to 1/1/19 Level			0.6877
(8)	Expected Loss at Current Level (6) * (7)			1,037,271,372
Losse	es - Paid-to-30th Method	Indemnity	Medical	Total
(9)	Paid Losses (Table I-D & I-E)	617,701,546	525,267,841	1,142,969,387
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.1065	1.3184	
(11)	Ultimate Incurred Losses (9) * (10)	683,486,761	692,513,122	1,375,999,883
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	683,486,761	692,513,122	1,375,999,883
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.6589	0.6676	1.3265
Losse	es - Incurred Method			
(15)	Incurred Losses (Table I-B & I-C)	634,354,346	556,677,803	1,191,032,149
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0133	1.1214	
(17)	Ultimate Incurred Losses (15) * (16)	642,791,259	624,258,488	1,267,049,747
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	642,791,259	624,258,488	1,267,049,747
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.6197	0.6018	1.2215
Losse	es - Average of Incurred and Paid-to-30th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	663,139,010	658,385,805	1,321,524,815
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.6393	0.6347	1.2740
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.8126	0.8126	
(24)	Severity Ratio * (22) / (23)	0.7867	0.7811	1.5678

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,726,572,321
(2)	Premium Development Factor to Ultimate Level (Exhibit	V-1)		1.0000
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			0.9989
(5)	Factor to Remove Loss Based Assessments			0.9862
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4) *	(5)		1,700,872,603
(7)	Loss Cost Change to 1/1/19 Level			0.6492
(8)	Expected Loss at Current Level (6) * (7)			1,104,206,494
Losse	es - Paid-to-30th Method	Indemnity	Medical	Total
(9)	Paid Losses (Table I-D & I-E)	678,358,010	598,014,414	1,276,372,424
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0954	1.3018	
(11)	Ultimate Incurred Losses (9) * (10)	743,073,364	778,495,164	1,521,568,528
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(13)	Adjusted Losses (11) * (12)	743,073,364	778,495,164	1,521,568,528
(14)	Policy Year Ratio of Losses to Expected Losses (13) / (8)	0.6729	0.7050	1.3779
Losse	es - Incurred Method			
(15)	Incurred Losses (Table I-B & I-C)	700,250,984	626,418,940	1,326,669,924
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0115	1.1135	
(17)	Ultimate Incurred Losses (15) * (16)	708,303,870	697,517,490	1,405,821,360
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	708,303,870	697,517,490	1,405,821,360
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.6415	0.6317	1.2732
Losse	es - Average of Incurred and Paid-to-30th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	725,688,617	738,006,327	1,463,694,944
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.6572	0.6684	1.3256
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.8394	0.8394	
(24)	Severity Ratio * (22) / (23)	0.7829	0.7962	1.5791

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

(1)	Standard Earned Premium Reported (Table I)			1,875,078,635
(2)	Premium Development Factor to Ultimate Level (Exhibit	V-1)		1.0000
(3)	Expense Constant Removal Factor			1.0000
(4)	PCCPAP On-Level Factor			1.0013
(5)	Factor to Remove Loss Based Assessments			0.9873
(6)	Standard Earned Premium on Level (1) * (2) * (3) * (4) *	(5)		1,853,671,781
(7)	Loss Cost Change to 1/1/19 Level			0.6098
(8)	Expected Loss at Current Level (6) * (7)	,	A 0	1,130,369,052
Losse	es - Paid-to-30th Method	Indemnity	Medical	Total
(9)	Paid Losses (Table I-D & I-E)	726,048,352	663,090,515	1,389,138,867
(10)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0865	1.2849	
(11)	Ultimate Incurred Losses (9) * (10)	788,851,534	852,005,003	1,640,856,537
(12)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	.,0.0,000,00.
(13)	Adjusted Losses (11) * (12)	788,851,534	852,005,003	1,640,856,537
(14)		0.6979	0.7537	1.4516
Losse	es - Incurred Method	y		
(15)	Incurred Losses (Table I-B & I-C)	750,610,425	695,328,858	1,445,939,283
(16)	Loss Development Factor to Ultimate Valuation (Exhibit V-2 & V-3)	1.0093	1.1084	
(17)	Ultimate Incurred Losses (15) * (16)	757,591,102	770,702,506	1,528,293,608
(18)	Adjustment to Post-Act 44 Loss Levels	1.0000	1.0000	
(19)	Adjusted Losses (17) * (18)	757,591,102	770,702,506	1,528,293,608
(20)	Policy Year Ratio of Losses to Expected Losses (19) / (8)	0.6702	0.6818	1.3520
Losse	es - Average of Incurred and Paid-to-30th Method			
(21)	Adjusted Ultimate Incurred Losses ((13) + (19)) / 2	773,221,318	811,353,755	1,584,575,073
(22)	Policy Year Ratio of Losses to Expected Losses (21) / (8)	0.6840	0.7178	1.4018
(23)	Normalized Claim Frequency (Exhibit VI-2)	0.9081	0.9081	
(24)	Severity Ratio * (22) / (23)	0.7532	0.7905	1.5437

^{*} Severity Ratio represents loss ratio adjusted to a common level of claim frequency.

EXHIBIT IV - 1

POLICY YEARS 2007 - 2012 PREMIUM ON-LEVEL FACTORS

	(1)	(2)	(3) CUM.	(4) PORTION	(5)	FACTOR TO ADJUST
POLICY	LOSS COST	LOSS COST	INDEX OF	OF YEAR	PRODUCT	to 01/01/19
YEAR	DATE	CHANGE	COL (2)	ON-LEVEL	(3) * (4)	LC LEVEL
		<u> </u>	332 (2)	011 22 122	(0) (1)	20 22 72
2007	4/01/06	BASE	1.0000	0.3043	0.3043	
	4/01/07	1.0295	1.0295	0.6957	0.7162	
	4/01/08	0.6045	0.6223			
	to 01/01/19			1.0000	1.0205	0.6098
2008	4/01/07	BASE	1.0000	0.3260	0.3260	
	4/01/08	0.8978	0.8978	0.6740	0.6051	
	4/01/09	0.6733	0.6045			
	to 01/01/19			1.0000	0.9311	0.6492
	4/04/00	5405	4 0000			
2009	4/01/08	BASE	1.0000	0.3039	0.3039	
	4/01/09	0.9700	0.9700	0.6961	0.6752	
	4/01/10	0.6941	0.6733			
	to 01/01/19			1.0000	0.9791	0.6877
2010	4/01/09	BASE	1.0000	0.2929	0.2929	
	4/01/10	1.0068	1.0068	0.7071	0.7119	
	4/01/11	0.6895	0.6942			
	to 01/01/19		7,7	1.0000	1.0048	0.6909
2011	4/01/10	BASE	1.0000	0.2923	0.2923	
20	4/01/11	1.0087	1.0087	0.7077	0.7139	
	4/01/12	0.6835	0.6894			
	to 01/01/19	0,000	0.000	1.0000	1.0062	0.6852
0040	4/04/44	DACE	4 0000	0.2074	0.0074	
2012	4/01/11	BASE 0.9434	1.0000	0.3074	0.3074	
	4/01/12 4/01/13	0.7245	0.9434 0.6835	0.6926	0.6534	
	to 01/01/19	0.1243	0.0033	1.0000	0.9608	0.7114

EXHIBIT IV - 2

POLICY YEARS 2013 - 2017 PREMIUM ON-LEVEL FACTORS

	(1)	(2)	(3)	(4)	(5)	FACTOR
DOL IOV	1 000 000 T	1 000 000T	CUM.	PORTION	PROPLICE	TO ADJUST
POLICY	LOSS COST	LOSS COST	INDEX OF	OF YEAR	PRODUCT	to 01/01/19
YEAR	DATE	CHANGE	COL (2)	ON-LEVEL	(3) * (4)	LC LEVEL
2013	4/01/12	BASE	1.0000	0.3065	0.3065	
2010	4/01/13	0.9599	0.9599	0.6935	0.6657	
	4/01/14	0.7548	0.7245		0.0007	
	to 01/01/19	0.7010	0.72 10	1.0000	0.9722	0.7452
	10 0 17 0 17 10			1.0000	0:0122	0.1 402
2014	4/01/13	BASE	1.0000	0.3119	0.3119	
	4/01/14	0.9485	0.9485	0.6881	0.6527	
	4/01/15	0.7958	0.7548			
	to 01/01/19			1.0000	0.9646	0.7825
2015	4/01/14	BASE	1.0000	0.3135	0.3135	
	4/01/15	0.9401	0.9401	0.6865	0.6454	
	4/01/16	0.8465	0.7958			
	to 01/01/19			1.0000	0.9589	0.8299
2016	4/01/15	BASE	1.0000	0.3024	0.3024	
	4/01/16	0.9910	0.9910	0.6976	0.6913	
	4/01/17	0.8541	0.8464			
	to 01/01/19		7	1.0000	0.9937	0.8518
2017	4/01/16	BASE	1.0000	0.3143	0.3143	
	4/01/17	0.9379	0.9379	0.6857	0.6431	
	2/01/18	0.9107	0.8541			
	to 01/01/19	. 1		1.0000	0.9574	0.8921

EXHIBIT V - 1

DEVELOPMENT FACTORS

PREMIUM

Reports	Policy	2016-2017	Policy	2015-2016	Policy	2014-2015	Policy	2013-2014	Unweighted	Selected	Cumulative
<u>in Ratio</u>	<u>Year</u>	<u>Ratio</u>	<u>Year</u>	<u>Ratio</u>	<u>Year</u>	Ratio	<u>Year</u>	<u>Ratio</u>	<u>Average</u>	<u>Average</u>	<u>Average</u>
2nd to 1st	2015	1.0092	2014	1.0084	2013	1.0099	2012	1.0073	1.0087	1.0087	1.0092
3rd to 2nd	2014	1.0007	2013	1.0012	2012	0.9994	2011	1.0003	1.0004	1.0004	1.0005
4th to 3rd	2013	1.0006	2012	0.9996	2011	1.0002	2010	1.0002	1.0002	1.0002	1.0001
5th to 4th	2012	0.9995	2011	0.9999	2010	1.0001	2009	0.9997	0.9998	0.9998	0.9999
6th to 5th	2011	1.0002	2010	1.0002	2009	0.9997	2008	0.9997	1.0000	1.0000	1.0001
7th to 6th	2010	1.0003	2009	1.0011	2008	1.0000	2007	0.9999	1.0003	1.0003	1.0001
8th to 7th	2009	0.9999	2008	0.9999	2007	1.0000	2006	1.0000	1.0000	1.0000	0.9998
9th to 8th	2008	0.9988	2007	1.0002	2006	1.0000	2005	1.0000	0.9998	0.9998	0.9998
10th to 9th	2007	1.0000	2006	1.0000	2005	1.0000	2004	1.0000	1.0000	1.0000	1.0000
11th to 10th	2006	1.0000	2005	1.0000	2004	1.0000	2003	0.9999	1.0000	1.0000	1.0000
12th to 11th	2005	1.0000	2004	1.0000	2003	1.0001	2002	1.0000	1.0000	1.0000	1.0000
13th to 12th	2004	1.0000	2003	1.0000	2002	1.0000	2001	1.0000	1.0000	1.0000	1.0000
14th to 13th	2003	1.0000	2002	1.0000	2001	1.0000	2000	1.0001	1.0000	1.0000	1.0000
15th to 14th	2002	1.0000	2001	1.0000	2000	1.0000	1999	1.0000	1.0000	1.0000	1.0000
16th to 15th	2001	1.0000	2000	1.0000	1999	1.0000	1998	1.0000	1.0000	1.0000	1.0000
17th to 16th	2000	1.0000	1999	0.9999	1998	1.0000	1997	1.0000	1.0000	1.0000	1.0000
18th to 17th	1999	1.0000	1998	1.0000	1997	1.0000	1996	1.0000	1.0000	1.0000	1.0000
19th to 18th	1998	1.0000	1997	0.9999	1996	1.0001	1995	1.0000	1.0000/	1.0000	1.0000
20th to 19th	1997	1.0000	1996	1.0000	1995	1.0000	1994	1.0000	1.0000	1.0000	1.0000
21st to 20th	1996	1.0000	1995	1.0000	1994	1.0000	1993	1.0000	1.0000	1.0000	1.0000
22nd to 21st	1995	1.0000	1994	1.0002	1993	1.0000	1992	1.0000	1.0001	1.0000	1.0000
23rd to 22nd	1994	1.0000	1993	1.0000	1992	1.0000	1991	1.0000	1.0000	1.0000	1.0000
24th to 23rd	1993	1.0000	1992	1.0000	1991	1.0000	1990	1.0000	1.0000	1.0000	1.0000
25th to 24th	1992	1.0000	1991	1.0000	1990	1.0000	1989	1.0000	1.0000	1.0000	1.0000
26th to 25th	1991	1.0000	1990	1.0000	1989	1.0000	1988	1.0000	1.0000	1.0000	1.0000
27th to 26th	1990	1.0000	1989	1.0000	1988	1.0000	1987	1.0001	1.0000	1.0000	1.0000
28th to 27th	1989	1.0000	1988	1.0000	1987	1.0000	1986	1.0000	1.0000	1.0000	1.0000
29th to 28th	1988	1.0000	1987	1.0000	1986	1.0000		,		1.0000	1.0000
30th to 29th	1987	1.0000	1986	1.0000						1.0000	1.0000

Policy	Present	Premium
<u>Year</u>	<u>Valuation</u>	Development Factor
1988	Twenty-Ninth	1.0000
1989	Twenty-Eighth	1.0000
1990	Twenty-Seventh	1.0000
1991	Twenty-Sixth	1.0000
1992	Twenty-Fifth	1.0000
1993	Twenty-Fourth	1.0000
1994	Twenty-Third	1.0000
1995	Twenty-Second	1.0000
1996	Twenty-First	1.0000
1997	Twentieth	1.0000
1998	Nineteenth	1.0000
1999	Eighteenth	1.0000
2000	Seventeenth	1.0000
2001	Sixteenth	1.0000
2002	Fifteenth	1.0000
2003	Fourteenth	1.0000
2004	Thirteenth	1.0000
2005	Twelfth	1.0000
2006	Eleventh	1.0000
2007	Tenth	1.0000
2008	Ninth	1.0000
2009	Eighth	0.9998
2010	Seventh	0.9998
2011	Sixth	1.0001
2012	Fifth	1.0001
2013	Fourth	0.9999
2014	Third	1.0001
2015	Second	1.0005
2016	First	1.0092

EXHIBIT V - 2

DEVELOPMENT FACTORS

INDEMNITY LOSSES PAID METHOD

Reports	Policy	2016-2017	Policy	2015-2016	Policy	2014-2015	Policy	2013-2014	Policy	2012-2013	2 Year	3 Year	5 Year	Selected	Cumulative
in Ratio	Year	Ratio	Year	Ratio	Year	Ratio	Year	Ratio	Year	Ratio	<u>Average</u>	Average	Average	Average	<u>Average</u>
2nd to 1st a	2015	1.7883	2014	1.8713	2013	1.9193	2012	1.9105	2011	1.9079	1.8298	1.8596	1.8795	1.8596	3.1043
3rd to 2nd a	2014	1.2325	2013	1.2582	2012	1.2606	2011	1.2852	2010	1.2987	1.2454	1.2504	1.2670	1.2504	1.6693
4th to 3rd a	2013	1.0813	2012	1.0979	2011	1.1011	2010	1.1133	2009	1.1150	1.0896	1.0934	1.1017	1.0934	1.3350
5th to 4th a	2012 2011	1.0362 1.0226	2011 2010	1.0380	2010 2009	1.0493	2009 2008	1.0465	2008 2007	1.0494 1.0272	1.0371	1.0412	1.0439	1.0412	1.2209
6th to 5th a 7th to 6th a	2011	1.0226	2010	1.0275 1.0220	2009	1.0356 1.0131	2008	1.0291 1.0184	2007	1.0272	1.0251 1.0193	1.0286 1.0172	1.0284 1.0193	1.0286 1.0172	1.1726 1.1401
7th to 6th a 8th to 7th a	2010	1.0131	2009	1.0220	2008	1.0131	2007	1.0152	2005	1.0266	1.0193	1.0172	1.0193	1.0172	1.1208
9th to 8th a	2008	1.0069	2007	1.0104	2006	1.0131	2005	1.0132	2003	1.0173	1.0121	1.0129	1.0143	1.0129	1.1206
10th to 9th a	2007	1.0009	2007	1.0088	2005	1.0083	2003	1.0123	2004	1.0100	1.0087	1.0082	1.0093	1.0082	1.0954
11th to 10th a	2006	1.0070	2005	1.0081	2004	1.0094	2003	1.0083	2002	1.0108	1.0077	1.0082	1.0088	1.0082	1.0865
12th to 11th a	2005	1.0072	2004	1.0068	2003	1.0071	2002	1.0057	2001	1.0074	1.0060	1.0063	1.0064	1.0063	1.0776
13th to 12th a	2004	1.0061	2003	1.0045	2002	1.0054	2001	1.0049	2000	1.0051	1.0053	1.0053	1.0052	1.0053	1.0708
14th to 13th a	2003	1.0042	2002	1.0045	2001	1.0040	2000	1.0037	1999	1.0022	1.0044	1.0042	1.0037	1.0042	1.0651
15th to 14th a	2002	1.0033	2001	1.0020	2000	1.0031	1999	1.0019	1998	1.0024	1.0027	1.0028	1.0025	1.0028	1.0606
16th to 15th a	2001	1.0028	2000	1.0021	1999	1.0013	1998	1.0024	1997	1.0026	1.0025	1.0021	1.0022	1.0021	1.0577
17th to 16th a	2000	1.0020	1999	1.0017	1998	1.0026	1997	1.0039	1996	1.0049	1.0019	1.0021	1.0030	1.0021	1.0555
18th to 17th a	1999	1.0016	1998	1.0020	1997	1.0029	1996	1.0034	1995	1.0039	1.0018	1.0022	1.0028	1.0022	1.0533
19th to 18th a	1998	1.0016	1997	1.0019	1996	1.0028	1995	1.0043	1994	1.0068	1.0018	1.0021	1.0035	1.0021	1.0510
20th to 19th a	1997	1.0020	1996	1.0028	1995	1.0034	1994	1.0054	1993	1.0053	1.0024	1.0027	1.0038	1.0027	1.0488
21st to 20th a	1996	1.0027	1995	1.0039	1994	1.0045	1993	1.0049	1992	1.0052	1.0033	1.0037	1.0042	1.0037	1.0460
22nd to 21st a	1995	1.0028	1994	1.0046	1993	1.0043	1992	1.0049	1991	1.0037	1.0037	1.0039	1.0041	1.0039	1.0421
23rd to 22nd a	1994	1.0039	1993	1.0041	1992	1.0039	1991	1.0033	1990	1.0033	1.0040	1.0040	1.0037	1.0040	1.0380
24th to 23rd a	1993	1.0039	1992	1.0040	1991	1.0034	1990	1.0030	1989	1.0037	1.0040	1.0038	1.0036	1.0038	1.0339
25th to 24th a	1992	1.0031	1991	1.0036	1990	1.0032	1989	1.0033	1988	1.0024	1.0034	1.0033	1.0031	1.0033	1.0301
26th to 25th a	1991	1.0030	1990	1.0029	1989	1.0031	1988	1.0025	1987	1.0030	1.0030	1.0030	1.0029	1.0030	1.0267
27th to 26th a	1990	1.0023	1989	1.0030	1988	1.0021	1987	1.0020	1986	1.0031	1.0027	1.0025	1.0025	1.0025	1.0236
28th to 27th a	1989 1988	1.0026 1.0016	1988 1987	1.0019	1987	1.0021 1.0031	1986	1.0026			1.0023 1.0016	1.0022 1.0021	1.0023	1.0022	1.0211 1.0188
29th to 28th a 30th to 29th b	1988	1.0016	1987	1.0016 1.0191	1986	1.0031					1.0016	1.0021	1.0021 1.0158	1.0021 1.0158	1.0167
Beyond 30th c	1986 & Prior	1.0011	1985 & Prior	1.0004	1985 & Prior	1.0017	1985 & Prior	1.0010	1985 & Prior_	1.0010	1.0008	1.0011	1.0010	1.0009	1.0009 d
Deyona John C	1300 & 11101	1.0011	1303 & 1 1101	1.0004	1303 & 11101	1.0017	1303 & 11101	1.0010	1303 & 11101	1.0010	1.0000	1.0011	1.0010	1.0003	1.0003 u
							INCURRED I	METHOD							
Reports	Policy	2016-2017	Policy	2015-2016	Policy	2014-2015	Policy	2013-2014	Policy	2012-2013	2 Year	3 Year	5 Year	Selected	Cumulative
Reports in Ratio	Policy <u>Year</u>	2016-2017 <u>Ratio</u>	Policy <u>Year</u>	2015-2016 <u>Ratio</u>	Policy <u>Year</u>	2014-2015 <u>Ratio</u>	Policy <u>Year</u>		Policy Year	2012-2013 Ratio	2 Year Average	3 Year <u>Average</u>	5 Year <u>Average</u>	Selected Average	Cumulative Average
								Ratio							
in Ratio 2nd to 1st c	<u>Year</u> 2015	Ratio 1.3390	<u>Year</u> 2014	Ratio 1.3303	<u>Year</u> 2013	<u>Ratio</u> 1.3936	<u>Year</u> 2012	Ratio 1.3808	<u>Year</u> 2011	<u>Ratio</u> 1.3937	<u>Average</u> 1.3347	<u>Average</u> 1.3543	<u>Average</u> 1.3675	<u>Average</u> 1.3675	<u>Average</u> 1.5904
in Ratio 2nd to 1st c 3rd to 2nd c	<u>Year</u> 2015 2014	<u>Ratio</u> 1.3390 1.0876	<u>Year</u> 2014 2013	Ratio 1.3303 1.0948	<u>Year</u> 2013 2012	Ratio 1.3936 1.1086	<u>Year</u> 2012 2011	Ratio 1.3808 1.0992	<u>Year</u> 2011 2010	1.3937 1.1100	Average 1.3347 1.0912	Average 1.3543 1.0970	1.3675 1.1000	<u>Average</u> 1.3675 1.1000	<u>Average</u> 1.5904 1.1630
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c	<u>Year</u> 2015 2014 2013	Ratio 1.3390 1.0876 1.0106	<u>Year</u> 2014 2013 2012	Ratio 1.3303 1.0948 1.0319	<u>Year</u> 2013 2012 2011	Ratio 1.3936 1.1086 1.0240	Year 2012 2011 2010	Ratio 1.3808 1.0992 1.0337	Year 2011 2010 2009	1.3937 1.1100 1.0291	1.3347 1.0912 1.0213	1.3543 1.0970 1.0222	Average 1.3675 1.1000 1.0259	Average 1.3675 1.1000 1.0259	Average 1.5904 1.1630 1.0572
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c	Year 2015 2014 2013 2012	Ratio 1.3390 1.0876 1.0106 1.0054	Year 2014 2013 2012 2011	Ratio 1.3303 1.0948 1.0319 1.0040	<u>Year</u> 2013 2012 2011 2010	Ratio 1.3936 1.1086 1.0240 1.0060	Year 2012 2011 2010 2009	Ratio 1.3808 1.0992 1.0337 1.0037	2011 2010 2009 2008	1.3937 1.1100 1.0291 1.0089	1.3347 1.0912 1.0213 1.0047	1.3543 1.0970 1.0222 1.0051	1.3675 1.1000 1.0259 1.0056	1.3675 1.1000 1.0259 1.0056	1.5904 1.1630 1.0572 1.0306
in Ratio 2nd to 1st	Year 2015 2014 2013 2012 2011	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078	Year 2014 2013 2012 2011 2010	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002	Year 2013 2012 2011 2010 2009	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112	Year 2012 2011 2010 2009 2008	Ratio 1.3808 1.0992 1.0337 1.0037	Year 2011 2010 2009 2008 2007	1.3937 1.1100 1.0291 1.0089 1.0000	1.3347 1.0912 1.0213 1.0047 1.0040	1.3543 1.0970 1.0222 1.0051 1.0064	1.3675 1.1000 1.0259 1.0056 1.0045	1.3675 1.1000 1.0259 1.0056 1.0045	Average 1.5904 1.1630 1.0572 1.0306 1.0249
in Ratio 2nd to 1st	Year 2015 2014 2013 2012 2011 2010	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062	Year 2014 2013 2012 2011 2010 2009	1.3303 1.0948 1.0319 1.0040 1.0002 1.0058	Year 2013 2012 2011 2010 2009 2008	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028	Year 2012 2011 2010 2009 2008 2007	Ratio 1.3808 1.0992 1.0337 1.0037 1.0034 1.0025	Year 2011 2010 2009 2008 2007 2006	1.3937 1.1100 1.0291 1.0089 1.0000 1.0068	1.3347 1.0912 1.0213 1.0047 1.0040 1.0060	Average 1.3543 1.0970 1.0222 1.0051 1.0064 1.0049	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 7th to 6th c 8th to 7th c	Year 2015 2014 2013 2012 2011 2010 2009	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041	Year 2014 2013 2012 2011 2010 2009 2008	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999	Year 2013 2012 2011 2010 2009 2008 2007	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003	Year 2012 2011 2010 2009 2008 2007 2006	Ratio 1.3808 1.0992 1.0337 1.0037 1.0034 1.0025 1.0035	Year 2011 2010 2009 2008 2007 2006 2005	1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025	1.3347 1.0912 1.0213 1.0047 1.0040 1.0060 1.0020	Average 1.3543 1.0970 1.0222 1.0051 1.0064 1.0049 1.0014	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021	1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 7th to 6th c 8th to 7th c 9th to 8th c	Year 2015 2014 2013 2012 2011 2010 2009 2008	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0010	Year 2014 2013 2012 2011 2010 2009 2008 2007	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0013	Year 2013 2012 2011 2010 2009 2008 2007 2006	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989	Year 2012 2011 2010 2009 2008 2007 2006 2005	Ratio 1.3808 1.0992 1.0337 1.0037 1.0034 1.0025 1.0035 1.0026	Year 2011 2010 2009 2008 2007 2006 2005 2004	Ratio 1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025 1.0050	1.3347 1.0912 1.0213 1.0047 1.0040 1.0060 1.0020 1.0012	Average 1.3543 1.0970 1.0222 1.0051 1.0064 1.0049 1.0014 1.0004	Average 1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018	Average 1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0133
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 7th to 6th c 8th to 7th c 9th to 8th c 10th to 9th c	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0010 1.0032	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0013 1.0025	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989 1.0013	Year 2012 2011 2010 2009 2008 2007 2006 2005 2004	Ratio 1.3808 1.0992 1.0337 1.0037 1.0034 1.0025 1.0035 1.0026 1.0018	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003	Ratio 1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025 1.0050 1.0022	1.3347 1.0912 1.0213 1.0047 1.0040 1.0060 1.0020 1.0012 1.0029	1.3543 1.0970 1.0222 1.0051 1.0064 1.0049 1.0014 1.0004 1.0023	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022	Average 1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0133 1.0115
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 7th to 6th c 8th to 7th c 9th to 8th c 10th to 9th 11th to 10th c	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0010 1.0032 1.0011	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0013 1.0025 1.0014	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989 1.0013 0.9996	Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003	Ratio 1.3808 1.0992 1.0337 1.0037 1.0034 1.0025 1.0035 1.0026 1.0018 1.0024	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025 1.0050 1.0022 1.0020	1.3347 1.0912 1.0213 1.0047 1.0040 1.0060 1.0020 1.0012 1.0029 1.0013	1.3543 1.0970 1.0222 1.0051 1.0064 1.0014 1.0014 1.0004 1.0023 1.0007	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013	1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0133 1.0115 1.0093
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 6th to 5th c 6th to 5th c 7th to 6th c 8th to 7th c 9th to 8th c 10th to 9th c 11th to 10th c 12th to 11th c	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0010 1.0032 1.0011 1.0011	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0013 1.0025 1.0014 1.0014	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989 1.0013 0.9996 0.9998	Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	Ratio: 1,3808 1,0992 1,0337 1,0037 1,0034 1,0025 1,0035 1,0026 1,0018 1,0024 1,0007	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025 1.0050 1.0022 1.0020 1.0051	Average 1.3347 1.0912 1.0213 1.0047 1.0040 1.0060 1.0020 1.0012 1.0029 1.0013 1.0013	1.3543 1.0970 1.0222 1.0051 1.0064 1.0014 1.0004 1.0023 1.0007 1.0008	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0133 1.0115 1.0093 1.0080
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 5th c 6th to 5th c 8th to 7th c 8th to 7th c 8th to 7th c 10th to 9th c 11th to 10th c 12th to 11th c 13th to 12th c	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0010 1.0032 1.0011 1.00011	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0013 1.0025 1.0014 1.0007	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989 1.0013 0.9996 0.9998	Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.3808 1.0992 1.0337 1.0037 1.0034 1.0025 1.0035 1.0026 1.0018 1.0024 1.0007	2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000	1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025 1.0020 1.0022 1.0020 1.0021 1.0015	Average 1.3347 1.0912 1.0213 1.0047 1.0040 1.0060 1.0020 1.0012 1.0029 1.0013 1.0013 1.0008	1.3543 1.0970 1.0222 1.0051 1.0064 1.0004 1.0023 1.0007 1.0008 1.0008	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016 1.0006	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016 1.0006	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0115 1.0093 1.0080 1.0063
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 5th c 6th to 5th c 9th to 8th c 10th to 9th c 11th to 10th c 12th to 11th c 12th to 11th c 14th to 13th c 14th to 13th c 2rd to 13th to 13th c 2rd to 13th to 13th c 2rd to 11th c 13th c 14th to 13th c 2rd to 14th to 14th c 2rd to 14th to 13th c 2rd to 14th to 14th c 2	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0010 1.0032 1.0011 1.0011 1.0009 1.0016	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0013 1.0025 1.0014 1.0014 1.0007 1.0016	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989 1.0013 0.9996 0.9998 0.9986	Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000	Ratio 1.3808 1.0992 1.0337 1.0037 1.0034 1.0025 1.0035 1.0026 1.0018 1.0024 1.0007 1.0007 1.0014 0.9993	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999	Ratio 1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025 1.0050 1.0022 1.0020 1.0051 1.0051 0.9997	Average 1.3347 1.0912 1.0213 1.0047 1.0040 1.0060 1.0020 1.0012 1.0013 1.0013 1.0008 1.0016	1.3543 1.0970 1.0222 1.0051 1.0064 1.0049 1.0014 1.00023 1.0007 1.0008 1.0001	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016 1.0006	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016 1.0006	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0113 1.0115 1.0093 1.0080 1.0063 1.0067
in Ratio 2nd to 1st c 3rd to 2nd c 5th to 4th c 5rd c 6th to 5th c 7th to 6th c 9th to 8th c 10th to 9th c 11th to 10th c 12th to 11th c 13th to 12th c 14th to 13th c 15th to 14th c 14th c 15th c 15th to 14th c 16th c 15th to 14th c 15th c 15th c 15th to 14th c 15th c 15th to 14th c 15th c 15th to 14th c 15th c 15t	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0010 1.0032 1.0011 1.0011 1.0009 1.0016 1.0014	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0013 1.0025 1.0014 1.0007 1.0016 1.0013	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989 1.0013 0.9996 0.9998 0.9998 0.9998	Year 2012 2011 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999	Ratio 1.8808 1.0992 1.0337 1.0034 1.0025 1.0026 1.0018 1.0024 1.0007 1.0014 0.9993 1.0004	2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998	Ratio 1.3937 1.1100 1.0291 1.0009 1.0000 1.0068 1.0050 1.0050 1.0022 1.0020 1.0051 1.0015 0.9997 1.0005	1.3347 1.0912 1.0213 1.0047 1.0060 1.0060 1.0022 1.0013 1.0013 1.0013 1.0016 1.0016	1.3543 1.0970 1.0222 1.0051 1.0064 1.0049 1.0014 1.0004 1.0003 1.0007 1.0008 1.0001 1.0009 1.0009	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016 1.0006 1.0004	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0022 1.0018 1.0022 1.0013 1.0016 1.0006 1.0004	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0133 1.0115 1.0093 1.0080 1.0063 1.0057 1.0053
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 8th to 7th c 8th to 7th c 8th to 7th c 10th to 9th c 11th to 10th c 12th to 11th c 13th to 12th c 15th to 14th c 15th to 14th c 15th to 15th c 16th to 15th c 16th to 15th c	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0010 1.0032 1.0011 1.0009 1.0016 1.0014 1.00014	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0013 1.0025 1.0014 1.0007 1.0016 1.0013 0.9999	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989 1.0013 0.9996 0.9998 0.9998 0.9998	Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000	Ratio 1.8808 1.0992 1.0337 1.0034 1.0025 1.0026 1.0018 1.0024 1.0010 1.0014 1.0010	2011 2010 2009 2008 2007 2006 2005 2005 2004 2003 2002 2001 2000 1999 1998 1997	Ratio 1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025 1.0022 1.0020 1.0051 1.0015 0.9997 1.0005 1.0014	1.3347 1.0912 1.0213 1.0047 1.0040 1.0060 1.0020 1.0012 1.0013 1.0013 1.0008 1.0016 1.0014	1.3543 1.0970 1.0222 1.0051 1.0064 1.0049 1.0014 1.00023 1.0007 1.0008 1.0009 1.0008 0.9998	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016 1.0006 1.0004	Average 1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016 1.0006 1.0004 1.0007 1.0004	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0115 1.0093 1.0093 1.0063 1.0057 1.0053 1.0047
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in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 8th to 7th c 8th to 7th c 8th to 7th c 10th to 9th c 11th to 10th c 12th to 11th c 13th to 12th c 15th to 14th c 15th to 14th c 15th to 15th c 16th to 15th c 16th to 15th c	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0010 1.0032 1.0011 1.0009 1.0016 1.0014 1.00014	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0013 1.0025 1.0014 1.0007 1.0016 1.0013 0.9999	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989 1.0013 0.9996 0.9998 0.9998 0.9998	Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999	Ratio 1.8808 1.0992 1.0337 1.0034 1.0025 1.0026 1.0018 1.0024 1.0010 1.0014 1.0010	2011 2010 2009 2008 2007 2006 2005 2005 2004 2003 2002 2001 2000 1999 1998 1997	Ratio 1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025 1.0022 1.0020 1.0051 1.0015 0.9997 1.0005 1.0014	1.3347 1.0912 1.0213 1.0047 1.0040 1.0060 1.0020 1.0012 1.0013 1.0013 1.0008 1.0016 1.0014	1.3543 1.0970 1.0222 1.0051 1.0064 1.0049 1.0014 1.00023 1.0007 1.0008 1.0009 1.0008 0.9998	1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016 1.0006 1.0004	Average 1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0018 1.0022 1.0013 1.0016 1.0006 1.0004 1.0007 1.0004	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0115 1.0093 1.0093 1.0063 1.0057 1.0053 1.0047
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in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 5th to 7th c 6th to 5th to 7th to 6th to 5th to 11th to 10th c 12th to 11th c 13th to 12th c 15th to 14th c 15th to 15th c 15th	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1988	Ratio 1.3390 1.0876 1.0106 1.0054 1.0078 1.0062 1.0041 1.0011 1.0011 1.0011 1.0009 1.0016 1.0014 1.0001 1.0009 0.9996 1.0009 0.9997 1.0009 0.9997 1.0009 0.9993 1.0000 0.0993	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1988 1987	Ratio 1.3303 1.0948 1.0319 1.0040 1.0002 1.0058 0.9999 1.0014 1.0007 1.0016 1.0013 1.0025 1.0014 1.0007 1.0016 1.0013 1.0021 0.9999 1.0005 1.0003 1.0021 0.9999 1.0005 1.0001 1.0001 1.0001 1.0001 1.0001 1.0001 1.0001 1.0001 1.0001	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1998 1999 1998 1999 1999 1999 1999	Ratio 1.3936 1.1086 1.0240 1.0060 1.0112 1.0028 1.0003 0.9989 1.0013 0.9996 0.9996 0.9998 0.9996 0.9996 0.9996 0.9998 1.0004 1.0004 1.0008 1.0008 1.0006 1.0002 1.0019 0.9996	Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1989 1989 1988 1987	Ratio 1.8808 1.0992 1.0337 1.0034 1.0025 1.0035 1.0026 1.00018 1.0024 1.0007 1.0014 0.9993 1.0004 1.0010 0.9983 1.0002 1.0011 1.0002 1.0017 0.9995 1.0000 1.0001 0.9996 1.0001	2011 2010 2009 2008 2007 2006 2005 2004 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1989 1988	Ratio 1.3937 1.1100 1.0291 1.0089 1.0000 1.0068 1.0025 1.0020 1.0050 1.0015 0.9997 1.0005 1.0014 0.9998 1.0009 1.0009 1.0009 1.0009 1.0009 0.9999 0.9999	1.3347 1.0912 1.0213 1.0040 1.0060 1.0020 1.0013 1.0013 1.0008 1.0016 1.0000 1.0000 1.0002 0.9991 1.0013 1.0003 1.0003 1.0003 1.0003 1.0003 1.0003	1.3543 1.0970 1.0222 1.0051 1.0064 1.0049 1.0014 1.0003 1.0007 1.0008 1.0001 1.0003 0.9996 1.0002 0.9996 1.0001 0.9996 1.0008 1.0001 1.0008 1.0008 1.0001 1.0008 1.0001 1.0008 1.0001 1.0008 1.0001 1.0008 1.0001 1.0008 1.0001	Average 1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0013 1.0016 1.0006 1.0004 1.0007 1.0004 1.0005 1.0004 1.00005 1.0004 1.00005 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00001 1.0004 1.00003 0.9999	Average 1.3675 1.1000 1.0259 1.0056 1.0045 1.0048 1.0021 1.0013 1.0016 1.0006 1.0004 1.0007 1.0004 1.0005 1.0004 1.00009 1.0004 1.0000 1.0004 1.0000 1.0004 1.0000 1.0004 1.0000 1.0004 1.0000 1.0004 1.0000 1.0004 1.0000	Average 1.5904 1.1630 1.0572 1.0306 1.0249 1.0202 1.0153 1.0115 1.0093 1.0063 1.0057 1.0057 1.0053 1.0047 1.0043 1.0044 1.0040 1.0036 1.0032 1.0032 1.0029 1.0030 1.0023 1.0024 1.0019 1.0016 1.0013

From Table I-D

²⁹th (Paid - Table 1-D) to 30th (Incurred - Table I-B) From Table I-B Derived separately. See Exhibit 7 of the April 1, 2019 Filing.

EXHIBIT V - 3

DEVELOPMENT FACTORS

MEDICAL LOSSES PAID METHOD

Reports	Policy	2016-2017	Policy	2015-2016	Policy	2014-2015	Policy	2013-2014	Policy	2012-2013	2 Year	3 Year	5 Year	Selected	Cumulative
in Ratio	Year	Ratio	Year	Ratio	Year	Ratio	Year	Ratio	Year	Ratio	Average	Average	Average	Average	Average
2nd to 1st a	2015	1.2492	2014	1.2608	2013	1.2528	2012	1.2529	2011	1.2548	1.2550	1.2543	1.2541	1.2543	1.9399
3rd to 2nd a	2014	1.0632	2013	1.0776	2012	1.0695	2011	1.0831	2010	1.0828	1.0704	1.0701	1.0752	1.0701	1.5466
4th to 3rd a	2013	1.0298	2012	1.0372	2011	1.0350	2010	1.0390	2009	1.0403	1.0335	1.0340	1.0363	1.0340	1.4453
5th to 4th a	2012	1.0158	2011	1.0177	2010	1.0203	2009	1.0248	2008	1.0248	1.0168	1.0179	1.0207	1.0179	1.3978
6th to 5th a	2011	1.0148	2010	1.0157	2009	1.0160	2008	1.0169	2007	1.0194	1.0153	1.0155	1.0166	1.0155	1.3732
7th to 6th a	2010	1.0142	2009	1.0134	2008	1.0128	2007	1.0215	2006	1.0215	1.0138	1.0135	1.0167	1.0135	1.3522
8th to 7th a	2009	1.0115	2008	1.0110	2007	1.0135	2006	1.0150	2005	1.0162	1.0113	1.0120	1.0134	1.0120	1.3342
9th to 8th a	2008	1.0095	2007	1.0139	2006	1.0148	2005	1.0142	2004	1.0165	1.0117	1.0127	1.0138	1.0127	1.3184
10th to 9th a	2007	1.0113	2006	1.0146	2005	1.0137	2004	1.0131	2003	1.0128	1.0130	1.0132	1.0131	1.0132	1.3018
11th to 10th a	2006	1.0094	2005	1.0097	2004	1.0109	2003	1.0124	2002	1.0151	1.0096	1.0100	1.0115	1.0100	1.2849
12th to 11th a	2005	1.0102	2004	1.0095	2003	1.0108	2002	1.0156	2001	1.0120	1.0099	1.0102	1.0116	1.0102	1.2722
13th to 12th a	2004	1.0077	2003	1.0107	2002	1.0141	2001	1.0086	2000	1.0126	1.0092	1.0108	1.0107	1.0108	1.2594
14th to 13th a	2003	1.0082	2002	1.0149	2001	1.0067	2000	1.0109	1999	1.0115	1.0116	1.0099	1.0104	1.0099	1.2459
15th to 14th a	2002	1.0110	2001	1.0092	2000	1.0104	1999	1.0134	1998	1.0111	1.0101	1.0102	1.0110	1.0102	1.2336
16th to 15th a	2001	1.0056	2000	1.0081	1999	1.0079	1998	1.0076	1997	1.0113	1.0069	1.0072	1.0081	1.0072	1.2212
17th to 16th a	2000	1.0080	1999	1.0080	1998	1.0105	1997	1.0098	1996	1.0192	1.0080	1.0088	1.0111	1.0088	1.2124
18th to 17th a	1999	1.0068	1998	1.0092	1997	1.0098	1996	1.0110	1995	1.0133	1.0080	1.0086	1.0100	1.0086	1.2018
19th to 18th a	1998	1.0082	1997	1.0115	1996	1.0111	1995	1.0091	1994	1.0135	1.0099	1.0103	1.0107	1.0103	1.1916
20th to 19th a	1997	1.0090	1996	1.0117	1995	1.0082	1994	1.0121	1993	1.0145	1.0104	1.0096	1.0111	1.0096	1.1795
21st to 20th a	1996	1.0097	1995	1.0067	1994	1.0140	1993	1.0126	1992	1.0120	1.0082	1.0101	1.0110	1.0101	1.1682
22nd to 21st a	1995	1.0105	1994	1.0125	1993	1.0110	1992	1.0113	1991	1.0097	1.0115	1.0113	1.0110	1.0113	1.1565
23rd to 22nd a	1994	1.0118	1993	1.0080	1992	1.0102	1991	1.0080	1990	1.0088	1.0099	1.0100	1.0094	1.0100	1.1435
24th to 23rd a	1993	1.0094	1992	1.0118	1991	1.0067	1990	1.0070	1989	1.0105	1.0106	1.0093	1.0091	1.0093	1.1322
25th to 24th a	1992	1.0081	1991	1.0059	1990	1.0063	1989	1.0082	1988	1.0075	1.0070	1.0068	1.0072	1.0068	1.1218
26th to 25th a	1991	1.0063	1990	1.0077	1989	1.0087	1988	1.0086	1987	1.0106	1.0070	1.0076	1.0084	1.0076	1.1142
27th to 26th a	1990	1.0060	1989	1.0100	1988	1.0067	1987	1.0084	1986	1.0105	1.0080	1.0076	1.0083	1.0076	1.1059
28th to 27th a 29th to 28th a	1989 1988	1.0088 1.0049	1988 1987	1.0058 1.0084	1987 1986	1.0070 1.0056	1986	1.0123			1.0073 1.0067	1.0072 1.0063	1.0085 1.0063	1.0072 1.0063	1.0976 1.0897
30th to 29th b	1987	1.0049	1986	1.0064	1900	1.0056					1.0768	1.0768	1.0063	1.0063	1.0829
Beyond 30th c	1986 & Prior	1.0077	1985 & Prior	1.0036	1985 & Prior	0.9925	1985 & Prior	1.0201	1985 & Prior	1.0058	1.0089	1.0034	1.0708	1.0057	1.0029 1.0057 d
Deyona John C	1300 & 11101	1.0030	1303 & 11101	1.0141	1303 & 11101	0.3323	1303 & 11101	1.0201	1905 & 11101	1.0050	1.0003	1.0054	1.0072	1.0037	1.0057 u
							INCURRED I	METHOD							
							INCURRED	METHOD							
Reports	Policy	2016-2017	Policy	2015-2016	Policy	2014-2015		METHOD 2013-2014	Policy	2012-2013	2 Year	3 Year	5 Year	Selected	Cumulative
Reports in Ratio	Policy Year		Policy Year		Policy Year		Policy	2013-2014	Policy Year						
Reports <u>in Ratio</u>	Policy <u>Year</u>	2016-2017 <u>Ratio</u>	Policy <u>Year</u>	2015-2016 <u>Ratio</u>	Policy <u>Year</u>	2014-2015 <u>Ratio</u>			Policy <u>Year</u>	2012-2013 <u>Ratio</u>	2 Year Average	3 Year <u>Average</u>	5 Year <u>Average</u>	Selected <u>Average</u>	Cumulative <u>Average</u>
							Policy	2013-2014							
in Ratio	Year	Ratio	Year	Ratio	Year	Ratio	Policy <u>Year</u>	2013-2014 <u>Ratio</u>	Year	Ratio	<u>Average</u>	<u>Average</u>	<u>Average</u>	<u>Average</u>	<u>Average</u>
in Ratio 2nd to 1st c	<u>Year</u> 2015	<u>Ratio</u> 1.0479	<u>Year</u> 2014	<u>Ratio</u> 1.0717	<u>Year</u> 2013	<u>Ratio</u> 1.0841	Policy Year 2012	2013-2014 <u>Ratio</u> 1.0682 1.0316 1.0139	<u>Year</u> 2011	1.0904 1.0340 1.0144	<u>Average</u> 1.0598	<u>Average</u> 1.0679	<u>Average</u> 1.0725	<u>Average</u> 1.0725	<u>Average</u> 1.2819
in Ratio 2nd to 1st c 3rd to 2nd c	<u>Year</u> 2015 2014	Ratio 1.0479 1.0200	<u>Year</u> 2014 2013	Ratio 1.0717 1.0201	<u>Year</u> 2013 2012	1.0841 1.0238	Policy <u>Year</u> 2012 2011	2013-2014 Ratio 1.0682 1.0316	<u>Year</u> 2011 2010	1.0904 1.0340	Average 1.0598 1.0201	1.0679 1.0213	Average 1.0725 1.0259	Average 1.0725 1.0259	Average 1.2819 1.1953
in Ratio 2nd to 1st	Year 2015 2014 2013 2012 2011	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085	Year 2014 2013 2012 2011 2010	1.0717 1.0201 1.0047 1.0088 0.9987	Year 2013 2012 2011 2010 2009	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975	Policy <u>Year</u> 2012 2011 2010 2009 2008	2013-2014 <u>Ratio</u> 1.0682 1.0316 1.0139 1.0164 1.0073	2011 2010 2009 2008 2007	1.0904 1.0340 1.0144 1.0125 1.0114	1.0598 1.0201 1.0011 1.0198 1.0036	1.0679 1.0213 0.9978 1.0149 1.0016	1.0725 1.0259 1.0043 1.0147 1.0047	1.0725 1.0259 1.0043 1.0147 1.0047	Average 1.2819 1.1953 1.1651 1.1601 1.1432
in Ratio 2nd to 1st	Year 2015 2014 2013 2012 2011 2010	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082	Year 2014 2013 2012 2011 2010 2009	1.0717 1.0201 1.0047 1.0088 0.9987 1.0162	Year 2013 2012 2011 2010 2009 2008	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077	Policy Year 2012 2011 2010 2009 2008 2007	2013-2014 <u>Ratio</u> 1.0682 1.0316 1.0139 1.0164 1.0073 1.0061	Year 2011 2010 2009 2008 2007 2006	1.0904 1.0340 1.0144 1.0125 1.0114 1.0065	1.0598 1.0201 1.0011 1.0198 1.0036 1.0122	1.0679 1.0213 0.9978 1.0149 1.0016 1.0107	1.0725 1.0259 1.0043 1.0147 1.0047 1.0089	1.0725 1.0259 1.0043 1.0147 1.0047 1.0089	Average 1.2819 1.1953 1.1651 1.1601 1.1432 1.1379
in Ratio 2nd to 1st	Year 2015 2014 2013 2012 2011 2010 2009	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973	Year 2014 2013 2012 2011 2010 2009 2008	Ratio 1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991	Year 2013 2012 2011 2010 2009 2008 2007	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981	Policy Year 2012 2011 2010 2009 2008 2007 2006	2013-2014 Ratio 1.0682 1.0316 1.0139 1.0164 1.0073 1.0061 1.0211	Year 2011 2010 2009 2008 2007 2006 2005	1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131	1.0598 1.0201 1.0011 1.0198 1.0036 1.0122 0.9982	Average 1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982	1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057	Average 1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057	Average 1.2819 1.1953 1.1651 1.1601 1.1432 1.1379 1.1278
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 7th to 6th c 8th to 7th c 9th to 8th c	Year 2015 2014 2013 2012 2011 2010 2009 2008	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978	Year 2014 2013 2012 2011 2010 2009 2008 2007	Ratio 1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991 1.0062	Year 2013 2012 2011 2010 2009 2008 2007 2006	1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066	Policy Year 2012 2011 2010 2009 2008 2007 2006 2005	2013-2014 <u>Ratio</u> 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108	Year 2011 2010 2009 2008 2007 2006 2005 2004	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141	1.0598 1.0201 1.0011 1.0198 1.0036 1.0122 0.9982 1.0020	1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035	Average 1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0071	Average 1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0071	Average 1.2819 1.1953 1.1651 1.1601 1.1432 1.1379 1.1278 1.1214
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 5th c 6th to 7th to 8th c 7th c 7th to 8th c 7th to 9th c 8th to 7th to 9th	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006	1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991 1.0062 1.0041	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026	Policy Year 2012 2011 2010 2009 2008 2007 2005 2005	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,0115	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003	1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026	1.0598 1.0201 1.0011 1.0198 1.0036 1.0122 0.9982 1.0020 1.0032	1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0030	1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0071 1.0046	1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0071 1.0046	Average 1.2819 1.1953 1.1651 1.1661 1.1432 1.1379 1.1278 1.1214 1.1135
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 7th to 6th c 8th to 7th c 9th to 8th c 10th to 9th c 11th to 10th c	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005	Ratio 1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991 1.0062 1.0041 1.0083	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0006	Policy Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,0115 1,0100	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102	1.0598 1.0201 1.0011 1.0198 1.0036 1.0122 0.9982 1.0020 1.0032 1.0065	1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0030 1.0045	1.0725 1.0259 1.0043 1.0147 1.0047 1.0057 1.0057 1.0071 1.0046 1.0067	1.0725 1.0259 1.0043 1.0147 1.0047 1.0057 1.0071 1.0071 1.0046 1.0067	1.2819 1.1953 1.1651 1.1601 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084
In Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 5th c 7th to 6th c 8th to 7th c 8th to 7th c 10th to 9th c 11th to 10th c 12th to 11th c 11th c 12th c 11th	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004	Ratio 1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991 1.0062 1.0041 1.0083 0.9996	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0066 1.0059	Policy Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	2013-2014 Ratio 1,0682 1,0316 1,0164 1,0073 1,0061 1,0211 1,0108 1,0115 1,0100 1,0164	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072	1.0598 1.0201 1.0011 1.0198 1.0036 1.0122 0.9982 1.0020 1.0032 1.0065 1.0035	1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0030 1.0045 1.0043	1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0071 1.0046 1.0067 1.0073	1.0725 1.0259 1.0043 1.0147 1.0047 1.0057 1.0071 1.0046 1.0067 1.0073	Average 1.2819 1.1953 1.1651 1.1661 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1009
In Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 8th to 7th to 8th c 7th to 10th to 9th c 11th to 10th c 12th to 11th c 13th to 12th c	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073 1.0033	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003	Ratio 1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991 1.0062 1.0041 1.0083 0.9996 1.0069	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0006 1.0059 1.0088	Policy Year 2012 2011 2010 2009 2008 2007 2006 2006 2004 2003 2002 2001	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,0115 1,0109 1,0164 1,0044	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072 1.0081	Average 1.0598 1.0201 1.0011 1.0198 1.0036 1.0122 0.9982 1.0020 1.0032 1.0065 1.0035	1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0030 1.0045 1.0043 1.0063	1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0071 1.0046 1.0067 1.0073 1.0063	Average 1.0725 1.0259 1.0043 1.0147 1.0089 1.0057 1.0071 1.0066 1.0067 1.0073 1.0063	Average 1.2819 1.1953 1.1651 1.1661 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1009 1.0930
In Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 5th c 6th to 5th c 9th to 8th c 10th to 9th c 11th to 10th c 12th to 11th c 12th to 11th c 14th to 13th c 2th to 13th c 13th c 2th 15th c 14th to 13th c 2th 2	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073 1.0033 1.0046	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	Ratio 1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991 1.0062 1.0041 1.0083 0.9996 1.0069 1.0033	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0006 1.0059 1.0088 1.0035	Policy Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,0115 1,0100 1,0164 4,0044 1,0043	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072 1.0081 1.0066	Average 1.0598 1.0201 1.0011 1.0198 1.0036 1.0122 0.9982 1.0020 1.0032 1.0065 1.0035 1.0051 1.0040	Average 1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0030 1.0045 1.0043 1.0063 1.0063	1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0071 1.0046 1.0067 1.0073 1.0063	Average 1.0725 1.0259 1.0043 1.0147 1.0049 1.0057 1.0071 1.0073 1.0063 1.0063	1.2819 1.1953 1.1651 1.1601 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1009 1.0930 1.0861
In Ratio 2nd to 1st c 3rd to 2nd c 5th to 4th c 5rd c 6th to 5th c 7th to 6th c 8th to 7th c 9th to 8th c 10th to 9th c 11th to 10th c 12th to 11th c 13th to 12th c 14th to 13th c 15th to 14th c 14th c 15th to 14th c 2th	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073 1.0033 1.0046 1.0058	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991 1.0062 1.0041 1.0083 0.9996 1.0069 1.0033 1.0019	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0029 1.0096 1.0059 1.0088 1.0035 1.0049	Policy Year 2012 2011 2010 2009 2008 2007 2006 2004 2003 2002 2001 2000 1999	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0464 1,0073 1,0061 1,0211 1,0108 1,0115 1,0109 1,0164 4,0044 1,0043 1,0140	Year 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998	1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072 1.0081 1.0086 1.0077	1.0598 1.0201 1.0011 1.0013 1.0036 1.0122 0.9982 1.0020 1.0032 1.0065 1.0035 1.0040 1.0040	1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0030 1.0045 1.0043 1.0063 1.0063 1.0038	1.0725 1.0259 1.0043 1.0147 1.0047 1.0057 1.0071 1.0067 1.0073 1.0063 1.0045 1.0069	Average 1.0725 1.0259 1.0043 1.0147 1.0089 1.0057 1.0071 1.0046 1.0067 1.0073 1.0063 1.0045 1.0069	Average 1.2819 1.1953 1.1651 1.1661 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1009 1.0930 1.0861 1.0813
In Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 8th to 7th to 8th c 7th to 10th to 19th c 12th to 11th c 10th c 13th to 12th c 15th to 14th c 15th to 14th c 15th to 15th c 16th to 15th c 15th	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073 1.0033 1.0046 1.0058	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000	Ratio 1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991 1.0062 1.0041 1.0083 0.9996 1.0033 1.0019 1.0048	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0066 1.0059 1.0038 1.0036 1.0049 0.9993	Policy Year 2012 2011 2010 2009 2008 2007 2006 2006 2004 2003 2002 2001 2000 1999 1998	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,0115 1,0109 1,0164 1,0043 1,0140 1,0042	2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072 1.0081 1.0066 1.0077 1.0098	1.0598 1.0201 1.0011 1.011 1.0198 1.0036 1.0122 0.9982 1.0020 1.0035 1.0051 1.0051 1.0040 1.0037	Average 1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0045 1.0043 1.0063 1.0048 1.0042 1.0016	1.0725 1.0259 1.0043 1.0147 1.0047 1.0057 1.0057 1.0067 1.0067 1.0073 1.0063 1.0045 1.0069 1.0037	Average 1.0725 1.0259 1.0043 1.0147 1.0047 1.0057 1.0057 1.0071 1.0066 1.0067 1.0073 1.0063 1.0045 1.0069 1.0037	Average 1.2819 1.1953 1.1651 1.1661 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1009 1.0930 1.0861 1.0813
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 5th c 6th to 5th c 7th to 8th c 7th to 8th c 10th to 9th c 11th to 10th c 12th to 11th c 13th to 12th c 14th to 13th c 15th to 15th c 15th c 15th c 15th c 15th c 15th c 16th c 16th c 15th c 16th c 16	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073 1.0033 1.0046 1.0058 1.0006 1.0022	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999	Ratio 1.0717 1.0201 1.0047 1.0083 0.9987 1.0162 0.9991 1.0063 1.0061 1.0069 1.0033 1.0019 1.0048	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0026 1.0038 1.0036 1.0049 0.9993	Policy Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,0115 1,0100 1,0164 1,0043 1,0140 1,0042 1,0042 1,0042 1,0042	2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072 1.0081 1.0066 1.0077 1.0098 1.0121	Average 1.0598 1.0201 1.0011 1.0013 1.0036 1.0122 0.9982 1.0032 1.0065 1.0032 1.0065 1.0039 1.0040 1.0039 1.0029	Average 1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0045 1.0043 1.0063 1.0042 1.0016 1.0016 1.0017	Average 1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0071 1.0046 1.0067 1.0073 1.0063 1.0045 1.0069 1.0037 1.0048	Average 1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0071 1.0046 1.0067 1.0073 1.0045 1.0069 1.0037 1.0045	Average 1.2819 1.1953 1.1651 1.1601 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1009 1.0930 1.0861 1.0813 1.0740 1.0700
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In Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 6th to 5th c 8th to 7th to 8th c 10th to 9th c 11th to 10th c 12th to 11th c 13th to 12th c 15th to 14th c 15th to 15th c 14th to 15th c 15th to 14th c 15th to 15th 15t	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073 1.0033 1.0046 1.0058 1.0006 1.0022 0.9944 1.0082 0.9980 1.0078 1.0078 1.0078	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993	Ratio 1.0717 1.0201 1.0047 1.0083 0.9987 1.0162 0.9991 1.0069 1.0033 1.0019 1.0048 1.0035 1.0010 1.0052 1.0060 0.9996 1.0057	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0066 1.0026 1.0038 1.0035 1.0049 1.0049 1.0049 1.0049 1.0049 1.0049 1.0059 1.	Policy Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1939 1998 1997 1996 1995 1994 1993 1992 1991	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,0115 1,0109 1,0164 1,0043 1,0042 1,0065 1,0130 1,0016 1,0095 1,0108 1,0052 1,0018	2011 2010 2008 2008 2007 2006 2005 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072 1.0081 1.0066 1.0077 1.0098 1.0121 1.0081 1.0081 1.0093 1.0100 1.0093 1.0100	Nerage 1.0598 1.0201 1.0011 1.0011 1.0198 1.0036 1.0122 0.9982 1.0065 1.0023 1.0065 1.0051 1.0040 1.0027 1.0029 0.9977 1.0029 1.0035 1.0035 1.0035 1.0035 1.0035 1.0045	Average 1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0030 1.0045 1.0043 1.0063 1.0042 1.0017 0.9991 1.0019 1.0050 1.0047 1.0043 1.0043	Nerrage 1.0725 1.0259 1.0043 1.0147 1.0047 1.0057 1.0071 1.0066 1.0067 1.0073 1.0048 1.0037 1.0048 1.0037 1.0049 1.0056 1.0069 1.0056 1.0056 1.0056	Average 1.0725 1.0259 1.0043 1.0147 1.0067 1.0057 1.0071 1.0066 1.0067 1.0073 1.0069 1.0037 1.0048 1.0037 1.0069 1.0037 1.0069 1.0056 1.0061 1.0056 1.0056	Average 1.2819 1.1953 1.1651 1.1661 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1009 1.0930 1.0861 1.0813 1.0740 1.0700 1.0649 1.0649 1.0610 1.0582 1.0518 1.0446 1.0388
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In Ratio 2nd to 1st c 3rd to 2nd c 5th to 4th c 5rd c 5th to 7th c 6th c 7th to 6th c 1th to 10th c 12th to 11th c 13th to 12th c 14th to 13th c 15th to 14th c 15th to 17th c 15th c 17th to 16th c 17th to 16th c 17th to 16th c 17th to 16th c 17th to 19th to 18th c 20th to 19th c 22nd to 22nd to 22nd c 24th to 23rd c 25th to 24th c 25th to 25th c 25th c 25th c 25th c 25th c 26th c 25th	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073 1.0033 1.0046 1.0058 1.0006 1.0022 0.9944 1.0082 0.9980 1.0078 1.0013 1.0033 1.0047 0.9995 1.0047 0.9995	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1989	Ratio 1.0717 1.0201 1.0047 1.0088 0.9987 1.0162 0.9991 1.0062 1.0069 1.0033 1.0019 1.0048 1.0035 1.0010 1.0052 1.0063 1.0052 1.0063 1.0055 0.9988 1.0055	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1999 1998	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0059 1.0088 1.0049 0.9993 0.9993 0.9992 1.01073 1.0073 1.0062 1.0037 1.0037 1.0033 1.0038	Policy Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1999 1989 1989 1988 1987	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,015 1,0100 1,0164 1,0043 1,0140 1,0042 1,0065 1,0130 1,0016 1,0095 1,0108 1,0095 1,0108 1,0095 1,0008 1,00042 1,00061 1,00081 1,00082 1,0018 1,00082 1,00061 1,00061	2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1988 1987	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072 1.0081 1.0066 1.0077 1.0098 1.0121 1.0081 1.0066 1.0073 1.0093 1.0100 1.0065 1.0054 1.0107	Average 1.0598 1.0201 1.0011 1.0011 1.0198 1.0036 1.0122 1.0020 1.0035 1.0051 1.0040 1.0039 1.0027 1.0067 1.0020 1.0035 1.0051 1.0046 0.9992 1.0046 0.9992	1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0045 1.0043 1.0063 1.0016 1.0017 0.9991 1.0019 1.0050 1.0047 1.0043 1.0043 1.0043 1.0043 1.0043 1.0050 1.0047 1.0043 1.0043 1.0043 1.0043 1.0043 1.0057 1.0017	1.0725 1.0259 1.0043 1.0147 1.0089 1.0067 1.0067 1.0063 1.0048 1.0037 1.0026 1.0069 1.0037 1.0056 1.0056 1.0037 1.0054 1.0033 1.0054 1.0033 1.0054 1.0033 1.0054 1.0033 1.0054 1.0033 1.0054 1.0033 1.0054 1.0033 1.0054 1.0033	Average 1.0725 1.0259 1.0043 1.0147 1.0089 1.0057 1.0071 1.0063 1.0063 1.0045 1.0069 1.0037 1.0026 1.0069 1.0037 1.0054 1.0069 1.0037 1.0054 1.0054 1.0033	Average 1.2819 1.1953 1.1651 1.1661 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1009 1.0930 1.0861 1.0813 1.0740 1.0740 1.0760 1.0649 1.0610 1.0582 1.0518 1.0446 1.0388 1.0350 1.0294 1.0260 1.0193
In Ratio 2nd to 1st c 3rd to 2nd c 5th to 4th c 5th c 5th c 7th to 6th c 8th to 7th c 10th to 11th c 13th to 12th c 15th to 15th c 17th to 16th c 15th to 15th c 17th to 16th c 17th to 23rd to 22nd c 25th to 23rd c 25th to 25th c 27th to 26th c 27th to 26th c 27th to 26th c 27th to 27th c 26th c 27th to 27th c 26th c 27th to 27th c 27th to 27th c 27th to 27th c 27th	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1989	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073 1.0033 1.0046 1.0058 1.0006 1.0022 0.9944 1.0082 0.9980 1.0078 1.0013 1.0032 1.0047 0.9995 1.0027 0.9996 1.0047	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1988	Ratio 1.0717 1.0201 1.0047 1.0089 1.0062 1.0062 1.0061 1.0069 1.0069 1.0069 1.0069 1.0061 1.0062 1.0061 1.0065 1.0060 0.9991 1.0062 1.0060 0.9991 1.0063 1.0057 1.0045 0.9988 1.0055	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1999 1999 1999 1999 1999 1999	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0036 1.0035 1.0049 0.993 0.9994 1.0109 1.0073 1.0062 1.0011 1.0033 1.0098 1.0033	Policy Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1999 1989 1989 1988 1987	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,015 1,0100 1,0164 1,0043 1,0140 1,0042 1,0065 1,0130 1,0016 1,0095 1,0108 1,0095 1,0108 1,0095 1,0008 1,00042 1,00061 1,00081 1,00082 1,0018 1,00082 1,00061 1,00061	2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1988 1987	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072 1.0081 1.0066 1.0077 1.0098 1.0121 1.0081 1.0066 1.0073 1.0093 1.0100 1.0065 1.0054 1.0107	1.0598 1.0201 1.0011 1.0011 1.0018 1.0036 1.0122 0.09982 1.0062 1.0035 1.0051 1.0040 1.0027 1.0027 1.0027 1.0027 1.0027 1.0027 1.0027 1.0020 1.0033 1.0041 1.0040 1.0030	Average 1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0030 1.0043 1.0063 1.0016 1.0017 1.0043 1.0050 1.0043 1.0050 1.0043 1.0050 1.0043 1.0050 1.0047 1.0043 1.0005 1.0047 1.0043 1.0005 1.0057 1.0017 1.0017	1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0073 1.0063 1.0045 1.0069 1.0037 1.0066	Average 1.0725 1.0259 1.0043 1.0147 1.0089 1.0057 1.0071 1.0046 1.0067 1.0073 1.0068 1.0037 1.0068 1.0066 1.0037 1.0066 1.0037 1.0066 1.0037 1.0066 1.0037 1.0066 1.0037 1.0066 1.0037 1.0066 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069	Average 1.2819 1.1953 1.1651 1.1661 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1009 1.0930 1.0861 1.0813 1.0740 1.0700 1.0649 1.0610 1.0582 1.0518 1.0446 1.0388 1.0350 1.0294 1.0260 1.0193 1.0160
in Ratio 2nd to 1st c 3rd to 2nd c 4th to 3rd c 5th to 4th c 5th to 7th c 6th to 5th c 10th to 9th to 8th to 10th to 9th c 11th to 10th c 12th to 11th c 13th to 12th c 15th to 14th c 15th to 15th to 15th c 15th to 25th c 25th to 25th	Year 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 19991 1990 1989 1989 19991 1990 1988 1987	Ratio 1.0479 1.0200 0.9974 1.0308 1.0085 1.0082 0.9973 0.9978 1.0022 1.0046 1.0073 1.0033 1.0046 1.0058 1.0006 1.0022 0.9944 1.0082 0.9980 1.0078 1.0013 1.0032 1.0047 0.9995 1.0017 0.9996 1.0010 0.9980	Year 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1988 1987	Ratio 1.0717 1.0201 1.0047 1.0083 0.9987 1.0162 0.9991 1.0069 1.0033 1.0019 1.0048 1.0035 1.0010 1.0052 1.0060 0.9996 1.0057 1.0045 0.9988 1.0057 1.0045 0.9988 1.0055 1.0057 1.0045 0.9988	Year 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1999 1999 1999 1999 1999 1999	Ratio 1.0841 1.0238 0.9913 1.0052 0.9975 1.0077 0.9981 1.0066 1.0026 1.0036 1.0035 1.0049 0.993 0.9994 1.0109 1.0073 1.0062 1.0011 1.0033 1.0098 1.0033	Policy Year 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1999 1989 1989 1988 1987	2013-2014 Ratio 1,0682 1,0316 1,0139 1,0164 1,0073 1,0061 1,0211 1,0108 1,015 1,0100 1,0164 1,0043 1,0140 1,0042 1,0065 1,0130 1,0016 1,0095 1,0108 1,0095 1,0108 1,0095 1,0108 1,0095 1,0008 1,00042 1,0061 1,00042 1,0061	2011 2010 2009 2008 2007 2006 2005 2004 2003 2002 2001 2000 1999 1998 1997 1996 1995 1994 1993 1992 1991 1990 1988 1987	Ratio 1.0904 1.0340 1.0144 1.0125 1.0114 1.0065 1.0131 1.0141 1.0026 1.0102 1.0072 1.0081 1.0066 1.0077 1.0098 1.0121 1.0081 1.0066 1.0073 1.0093 1.0100 1.0065 1.0054 1.0107	Nerage 1.0598 1.0201 1.0011 1.0013 1.0036 1.0122 0.9982 1.0065 1.0020 1.0032 1.0051 1.0040 1.0032 1.0067 1.0020 1.0033 1.0045 1.0046 0.9992 1.0040 1.0032 1.0040 1.0032	Average 1.0679 1.0213 0.9978 1.0149 1.0016 1.0107 0.9982 1.0035 1.0030 1.0045 1.0043 1.0063 1.0016 1.0017 0.9991 1.0050 1.0047 1.0043 1.0043 1.0043 1.0043 1.0043 1.0050 1.0047 1.0047 1.0047 1.0047 1.0047 1.0047 1.0047 1.0049	Average 1.0725 1.0259 1.0043 1.0147 1.0047 1.0089 1.0057 1.0073 1.0063 1.0045 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0056 1.0037 1.0056 1.0037 1.0054	Average 1.0725 1.0259 1.0043 1.0147 1.0047 1.0057 1.0057 1.0073 1.0063 1.0045 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0069 1.0037 1.0056 1.0032 1.0054	Average 1.2819 1.1953 1.1651 1.1661 1.1432 1.1379 1.1278 1.1214 1.1135 1.1084 1.1099 1.0930 1.0861 1.0813 1.0740 1.0700 1.0649 1.0610 1.0582 1.0518 1.0446 1.0388 1.0350 1.0294 1.0260 1.0193 1.0160 1.0193 1.0160

From Table I-E 29th (Paid - Table 1-E) to 30th (Incurred - Table I-C) From Table I-C Derived separately. See Exhibit 7 of the April 1, 2019 Filing.

EXHIBIT VI - 1

DETERMINATION OF TREND

			INDEMNITY				
Policy Year	2010	2011	2012	2013	2014	2015	2016
Actual Loss Ratio	0.6245	0.5897	0.5543	0.5593	0.5317	0.4956	0.4765
Normalized Frequency	0.8008	0.7519	0.7030	0.6868	0.6292	0.5803	0.5373
Severity Loss Ratio	0.7799	0.7843	0.7885	0.8144	0.8451	0.8541	0.8869
	x 1	2	3	4	5	6	7
	y 0.7799	0.7843	0.7885	0.8144	0.8451	0.8541	0.8869
	7 Point Exponential	Regression: y :	= 0.750829 * 1.02	2592 ^ x			
	Selected Annual Sev	verity Trend Fac	ctor =		[2.26%	,
Delieu	Annual		Trend Period		Carranitre		-
Policy	Severity		# of Years		Severity		Frequency
Year	Trend Factor		to 4/1/20		Trend Factor		Trend Facto
	(1)		(2)		$(3) = (1) \land (2)$		(4) #
2014	1.0226		5.2500		1.1244		0.7101
2015	1.0226		4.2500		1.0996		0.7579
2016	1.0226		3.2500		1.0753	1	0.8090
rended Loss Ratio					V		
Policy	Actual		Combined		Trended		
Year	Loss Ratio		Trend Factor		Loss Ratio		
	(5)		(6) = (3) * (4)		(7) = (5) * (6)		
2014	0.5317		0.7984		0.4245		
2015	0.4956		0.8334		0.4130		
2016	0.4765		0.8699		0.4145		
			MEDICAL	,			
Policy Year	2010	2011	2012	2013	2014	2015	2016
Actual Loss Ratio	0.6510	0.6385	0.6103	0.6281	0.6130	0.5374	0.5203
lormalized Frequency	0.8008	0.7519	0.7030	0.6868	0.6292	0.5803	0.5373
Severity Loss Ratio	0.8129	0.8492	0.8682	0.9146	0.9743	0.9261	0.9684
	x 1	2	3	4	5	6	7
	y 0.8129 7 Point Exponential	0.8492	0.8682 - 0.801383 * 1.03	0.9146	0.9743	0.9261	0.9684
	'	,		3430 X	_	2.95%	ı
	Selected Annual Sev	verity Trend Fac	itor =			2.9370	
	Selected Annual Sev	verity Trend Fac				2.95%	
	Annual	verity Trend Fac	Trend Period			2.93 /6	! _
Policy	Annual Severity		Trend Period # of Years		Severity	2.93%	
Policy Year	Annual		Trend Period		Severity Trend Factor (3) = (1) ^ (2)	2.93%	
-	Annual Severity Frend Factor		Trend Period # of Years to 4/1/20		Trend Factor	2.93%	Trend Facto (4) # 0.7101
Year	Annual Severity Frend Factor (1)		Trend Period # of Years to 4/1/20 (2)		Trend Factor (3) = (1) ^ (2)	2.93%	Trend Facto (4) #
Year 2014	Annual Severity Frend Factor (1) 1.0295		Trend Period # of Years to 4/1/20 (2) 5.2500		Trend Factor $(3) = (1) \land (2)$ 1.1648	2.93%	0.7101
Year 2014 2015 2016	Annual Severity Frend Factor (1) 1.0295 1.0295		Trend Period # of Years to 4/1/20 (2) 5.2500 4.2500		Trend Factor (3) = (1) ^ (2) 1.1648 1.1315	2.93%	7 Trend Factor (4) # 0.7101 0.7579
Year 2014 2015 2016 Trended Loss Ratio Policy	Annual Severity Frend Factor (1) 1.0295 1.0295	Actual	Trend Period # of Years to 4/1/20 (2) 5.2500 4.2500	Combined	Trend Factor (3) = (1) ^ (2) 1.1648 1.1315	Trended	7 Trend Factor (4) # 0.7101 0.7579
Year 2014 2015 2016 Trended Loss Ratio	Annual Severity Frend Factor (1) 1.0295 1.0295	Actual Loss Ratio	Trend Period # of Years to 4/1/20 (2) 5.2500 4.2500	Trend Factor	Trend Factor (3) = (1) ^ (2) 1.1648 1.1315	Trended Loss Ratio	Trend Factor (4) # 0.7101 0.7579
Year 2014 2015 2016 Trended Loss Ratio Policy	Annual Severity Frend Factor (1) 1.0295 1.0295	Actual	Trend Period # of Years to 4/1/20 (2) 5.2500 4.2500		Trend Factor (3) = (1) ^ (2) 1.1648 1.1315	Trended	7 Trend Factor (4) # 0.7101 0.7579
Year 2014 2015 2016 Trended Loss Ratio Policy	Annual Severity Frend Factor (1) 1.0295 1.0295	Actual Loss Ratio	Trend Period # of Years to 4/1/20 (2) 5.2500 4.2500	Trend Factor	Trend Factor (3) = (1) ^ (2) 1.1648 1.1315	Trended Loss Ratio	7 Trend Factor (4) # 0.7101 0.7579
Year 2014 2015 2016 Frended Loss Ratio Policy Year	Annual Severity Frend Factor (1) 1.0295 1.0295	Actual Loss Ratio (5)	Trend Period # of Years to 4/1/20 (2) 5.2500 4.2500	Trend Factor (6) = (3) * (4)	Trend Factor (3) = (1) ^ (2) 1.1648 1.1315	Trended Loss Ratio (7) = (5) * (6)	7 Trend Factor (4) # 0.7101 0.7579

See page 19

EXHIBIT VI - 2

DETERMINATION OF TREND

CLAIM FREQUENCY

Policy Year Frequency per \$1 million of Expected Losses {1 = PY 2005, 12 = PY 2016}

	Policy		Claim		Normalized		
	Year		Frequency		Frequency		
	2005		25.35		1.0000		
	2006		24.42		0.9633		
	2007		23.02		0.9081		
	2008		21.28		0.8394		
	2009		20.60		0.8126		
	2010		20.30		0.8008		
	2011		19.06		0.7519		
	2012		17.82		0.7030		
	2013		17.41	_	0.6868		
	2014		15.95		0.6292		
	2015		14.71		0.5803		
	2016		13.62	AK	0.5373		
Policy Year	2010	2011	2012	2013	2014	2015	2016
X	1	2	3	4	5	6	7
у	0.8008	0.7519	0.7030	0.6868	0.6292	0.5803	0.5373

7 Point Exponential Regression: y = 0.862171 * 0.936859 ^ x

Selected Annual Frequency Trend Factor =

-6.3%

	Annual	Trend Period	
Policy	Frequency	# of Years	Frequency
Year	Trend Factor	to 4/1/20	Trend Factor
	(1)	(2)	(3) = (1) ^ (2)
2014	0.9369	5.2500	0.7101
2015	0.9369	4.2500	0.7579
2016	0.9369	3.2500	0.8090

TABLE I

ACCUMULATED STANDARD EARNED PREMIUM

Policy Year Valued	As of 12/31/15	As of 12/31/16	Ratio to Prior Year
Prior			
to 1986	11,270,003,930	11,270,002,435	1.0000
1986	1,399,780,511	1,399,780,511	1.0000
1987	1,668,430,035	1,668,400,312	1.0000
1988	1,858,386,098	1,858,386,098	1.0000
1989	1,988,338,672	1,988,338,672	1.0000
1990	2,245,147,958	2,245,147,958	1.0000
1991	2,332,660,111	2,332,664,363	1.0000
1992	2,164,654,772	2,164,656,978	1.0000
1993	2,294,465,498	2,294,465,498	1.0000
1994	1,721,499,568	1,721,832,130	1.0002
1995	1,572,710,109	1,572,715,440	1.0000
1996	1,492,135,961	1,492,135,492	1.0000
1997	1,233,600,116	1,233,498,713	0.9999
1998	1,181,535,270	1,181,529,594	1.0000
1999	1,189,127,076	1,189,035,153	0.9999
2000	1,244,872,551	1,244,872,847	1.0000
2001	1,325,974,300	1,325,962,965	1.0000
2002	1,380,506,692	1,380,499,686	1.0000
2003	1,448,139,650	1,448,153,855	1.0000
2004	1,565,911,962	1,565,945,507	1.0000
2005	1,743,873,990	1,743,888,342	1.0000
2006	1,732,229,909	1,732,229,725	1.0000
2007	1,787,935,442	1,788,239,502	1.0002
2008	1,651,011,268	1,650,791,507	0.9999
2009	1,469,195,419	1,470,814,925	1.0011
2010	1,538,155,138	1,538,453,936	1.0002
2011	1,579,918,334	1,579,758,670	0.9999
2012	1,448,492,533	1,447,969,688	0.9996
2013	1,390,724,937	1,392,434,479	1.0012
2014	1,369,050,958	1,380,574,220	1.0084
2015	762,374,589	1,349,300,392	1.7699
2016		763,986,020	
Policy Year	As-of	As of	Ratio to
Valued	As of 12/31/16	As of 12/31/17	Ratio to Prior Year
Valued Prior	12/31/16	12/31/17	Prior Year
Valued Prior to 1987	12/31/16 12,725,082,066	12/31/17 12,725,080,080	Prior Year 1.0000
Valued Prior to 1987 1987	12/31/16 12,725,082,066 1,696,103,858	12/31/17 12,725,080,080 1,696,133,581	1.0000 1.0000
Valued Prior to 1987 1987	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737	1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1989	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129	1.0000 1.0000 1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1989	12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991	12/31/16 12/725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992	12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993	12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1988 1989 1990 1991 1992 1993 1994	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,90,237,152 2,398,356,893 2,744,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,90,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,902,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776	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
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492	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
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,860,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,7772,231 1,334,900,985	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458	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
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196	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
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,44,461,676 2,410,370,517 1,821,555,070 1,690,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529	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
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,44,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453	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
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,44,461,676 2,410,370,517 1,821,555,070 1,690,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631	1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453	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
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833	1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513	1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,90,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851 1,875,147,287	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513 1,875,078,635	1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,990,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851 1,875,147,287 1,728,696,141	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513 1,875,078,635 1,726,572,321	1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,990,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,7772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851 1,875,147,287 1,728,696,141 1,532,354,422	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513 1,875,078,635 1,726,572,321 1,532,188,924	1.0000 1.0000
Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,690,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851 1,875,147,287 1,728,696,141 1,532,354,422 1,602,462,818	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513 1,875,078,635 1,726,572,321 1,532,188,924 1,602,977,986	1.0000 1.0000
Valued Prior to 1987 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	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,44,461,676 2,410,370,517 1,821,555,070 1,690,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851 1,875,147,287 1,728,696,141 1,532,354,422 1,602,462,818 1,650,159,797	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513 1,875,078,635 1,726,572,321 1,532,188,924 1,602,977,986 1,650,529,182	1.0000 1.0000
Valued Prior to 1987 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	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851 1,875,147,287 1,728,696,141 1,532,354,422 1,602,462,818 1,650,159,797 1,539,983,161	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513 1,875,078,635 1,726,572,321 1,532,188,924 1,602,977,986 1,650,529,182 1,539,247,581	1.0000 1.0000
Valued Prior to 1987 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	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851 1,875,147,287 1,728,696,141 1,532,354,422 1,602,462,818 1,650,159,797 1,539,983,161 1,501,970,455	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513 1,875,078,635 1,726,572,321 1,532,188,924 1,602,977,986 1,650,529,182 1,539,247,581 1,502,866,414	1.0000 1.0000
Valued Prior to 1987 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	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851 1,875,147,287 1,728,696,141 1,532,354,422 1,602,462,818 1,650,159,797 1,539,983,161 1,501,970,455 1,512,765,321	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,499,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513 1,875,078,635 1,726,572,321 1,532,188,924 1,602,977,986 1,650,529,182 1,539,247,581 1,502,866,414 1,513,882,133	1.0000 1.0000
Valued Prior to 1987 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 2015	12/31/16 12,725,082,066 1,696,103,858 1,892,997,460 2,028,267,129 2,290,237,152 2,398,356,893 2,244,461,676 2,410,370,517 1,821,555,070 1,680,387,555 1,596,667,871 1,313,190,488 1,259,206,442 1,271,772,231 1,334,900,985 1,430,995,800 1,499,195,071 1,566,155,744 1,674,834,898 1,839,468,089 1,813,980,851 1,875,147,287 1,728,696,141 1,532,354,422 1,602,462,818 1,650,159,797 1,539,983,161 1,501,970,455 1,512,765,321 1,493,674,368	12/31/17 12,725,080,080 1,696,133,581 1,892,967,737 2,028,267,129 2,290,233,534 2,398,359,195 2,244,461,757 2,410,370,517 1,821,555,070 1,680,387,566 1,596,668,963 1,313,191,877 1,259,209,776 1,271,772,492 1,334,908,458 1,430,998,196 1,409,188,529 1,566,149,453 1,674,833,631 1,839,505,833 1,813,987,513 1,875,078,635 1,726,572,321 1,532,188,924 1,602,977,986 1,650,529,182 1,539,247,581 1,502,866,414 1,513,882,133 1,507,408,015	1.0000 1.0000

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

INCURRED LOSSES EXCLUDING BULK AND IBNR RESERVES

Policy Year Valued	As of 12/31/15	As of 12/31/16	Ratio to Prior Year
Prior			
to 1986	6,486,417,316	6,491,316,598	1.0008
1986	1,036,365,462	1,039,428,204	1.0030
1987	1,293,715,579	1,293,585,933	0.9999
1988	1,494,643,713	1,495,955,494	1.0009
1989	1,767,581,810	1,772,372,052	1.0027
1990	1,809,937,550	1,814,279,573	1.0024
1991	1,607,375,789	1,607,431,121	1.0000
1992	1,369,167,394	1,372,469,365	1.0024
1993	1,143,826,846	1,146,311,334	1.0022
1994	1,053,424,347	1,056,617,224	1.0030
1995	920,299,813	919,080,904	0.9987
1996	829,636,154	831,681,929	1.0025
1997	864,402,180	867,407,529	1.0035
1998	877,671,300	878,219,865	1.0006
1999	981,659,463	983,422,947	1.0018
2000	1,038,241,281	1,040,297,279	1.0020
2001	1,038,392,857	1,040,030,581	1.0016
2002	1,112,969,636	1,115,544,394	1.0023
2003	1,108,114,642	1,112,008,159	1.0035
2004	1,226,553,486	1,227,249,281	1.0006
2005	1,266,551,547	1,272,508,580	1.0047
2006	1,311,479,430	1,315,748,218	1.0033
2007	1,396,272,263	1,401,345,021	1.0036
2008	1,279,126,441	1,278,522,840	0.9995
2009	1,144,925,992	1,157,110,468	1.0106
2010	1,232,742,400	1,232,089,845	0.9995
2011	1,178,416,473	1,185,829,330	1.0063
2012	1,031,723,818	1,050,804,002	1.0185
2013	1,038,376,903	1,096,243,845	1.0557
2014	861,374,530	1,017,184,293	1.1809
			1
	224 EEC 046	040 400 222	
2015	321,556,846	812,498,333	2.5268
2015 2016	321,556,846	812,498,333 297,788,586	2.5268
2016	A	297,788,586	
2016 Policy Year	As of	297,788,586 As of	Ratio to
2016 Policy Year Valued	A	297,788,586	
2016 Policy Year Valued Prior	As-of 12/31/16	297,788,586 As of 12/31/17	Ratio to Prior Year
2016 Policy Year Valued Prior to 1987	As of 12/31/16 7,495,119,199	297,788,586 As of 12/31/17 7,497,704,919	Ratio to Prior Year
Policy Year Valued Prior to 1987 1987	As of 12/31/16 7,495,119,199 1,304,019,471	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468	Ratio to Prior Year 1.0003 1.0064
Policy Year Valued Prior to 1987 1987	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524	Ratio to Prior Year 1.0003 1.0064 0.9990
Policy Year Valued Prior to 1987 1988 1989	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005
Policy Year Valued Prior to 1987 1987	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981	Ratio to Prior Year 1.0003 1.0064 0.9990
Policy Year Valued Prior to 1987 1988 1989	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005
Policy Year Valued Prior to 1987 1988 1989 1990	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999
Policy Year Valued Prior to 1987 1987 1988 1989 1990	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009
Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021
Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010
Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010
Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994
Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0010 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003
2016 Policy Year Valued Prior to 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0012 0.9994 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0003
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0003 1.0003 1.0003
2016 Policy Year Valued Prior to 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0012 0.9994 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0003
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0003 1.0003 1.0003
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887	Ratio to Prior Year 1.0003 1.0064 0.9999 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0033 1.0030 1.0020
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0033 1.0030 1.0020 1.0040 1.0028
2016 Policy Year Valued Prior to 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919 1,441,991,696	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0030 1.0030 1.0020 1.0040 1.0028 1.0027
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	As of 12/31/16 7.495,119,199 1.304,019,471 1.512,745,823 1.793,392,872 1.839,282,355 1.635,073,376 1.407,825,517 1.176,741,769 1.097,244,698 901,173,527 879,748,164 908,058,043 935,821,877 1.038,456,899 1.105,732,542 1.110,232,238 1.198,348,938 1.199,231,142 1.293,319,310 1.324,921,041 1.355,776,919 1.441,991,696 1.327,363,062	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283 1,326,669,924	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0033 1.0030 1.0020 1.0040 1.0028 1.0027 0.9995
2016 Policy Year Valued Prior to 1987 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 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919 1,441,991,696 1,327,363,062 1,189,960,124	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283 1,326,669,924 1,191,032,149	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0030
2016 Policy Year Valued Prior to 1987 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 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919 1,441,991,696 1,327,363,062 1,189,960,124 1,250,378,643	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283 1,326,669,924 1,191,032,149 1,259,328,435	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0030 1.0020 1.0040 1.0020 1.0040 1.0028 1.0027 0.9995 1.0009 1.0072
2016 Policy Year Valued Prior to 1987 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 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919 1,441,991,696 1,327,363,062 1,189,960,124 1,250,378,643 1,215,824,655	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283 1,326,669,924 1,191,032,149 1,259,328,435 1,225,699,362	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0030 1.0030 1.0020 1.0040 1.0028 1.0027 0.9995 1.0009 1.0072 1.0081
2016 Policy Year Valued Prior to 1987 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 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919 1,441,991,696 1,327,363,062 1,189,960,124 1,250,378,643 1,215,824,655 1,108,078,627	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283 1,326,669,924 1,191,032,149 1,259,328,435 1,225,699,362 1,127,763,672	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0030 1.0030 1.0020 1.0040 1.0028 1.0027 0.9995 1.0009 1.0072 1.0081 1.0178
2016 Policy Year Valued Prior to 1987 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 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919 1,441,991,696 1,327,363,062 1,189,960,124 1,250,378,643 1,215,824,655	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283 1,326,669,924 1,191,032,149 1,259,328,435 1,225,699,362	Ratio to Prior Year 1.0003 1.0064 0.9990 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0035 0.9980 1.0016 1.0003 1.0030 1.0030 1.0020 1.0040 1.0028 1.0027 0.9995 1.0009 1.0072 1.0081
2016 Policy Year Valued Prior to 1987 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 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919 1,441,991,696 1,327,363,062 1,189,960,124 1,250,378,643 1,215,824,655 1,108,078,627	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283 1,326,669,924 1,191,032,149 1,259,328,435 1,225,699,362 1,127,763,672	Ratio to Prior Year 1.0003 1.0064 0.9999 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0012 0.9994 1.0035 0.9980 1.0016 1.0003 1.0030 1.0030 1.0020 1.0040 1.0028 1.0027 0.9995 1.0009 1.0072 1.0081 1.0178
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919 1,441,991,696 1,327,363,062 1,189,960,124 1,250,378,643 1,215,824,655 1,108,078,627 1,153,051,848	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283 1,326,669,924 1,191,032,149 1,259,328,435 1,225,699,362 1,127,763,672 1,157,559,985	Ratio to Prior Year 1.0003 1.0064 0.9999 1.0005 0.9999 1.0009 0.9993 1.0021 1.0010 1.0032 0.9994 1.0003 1.0033 1.0030 1.0020 1.0040 1.0028 1.0027 0.9995 1.0009 1.0072 1.0081 1.00178 1.0039
2016 Policy Year Valued Prior to 1987 1987 1988 1989 1990 1991 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014	As of 12/31/16 7,495,119,199 1,304,019,471 1,512,745,823 1,793,392,872 1,839,282,355 1,635,073,376 1,407,825,517 1,176,741,769 1,097,244,698 961,173,527 879,748,164 908,058,043 935,821,877 1,038,456,899 1,105,732,542 1,110,232,238 1,198,348,938 1,199,231,142 1,293,319,310 1,324,921,041 1,355,776,919 1,441,991,696 1,327,363,062 1,189,960,124 1,250,378,643 1,215,824,655 1,108,078,627 1,153,051,848 1,092,416,105	297,788,586 As of 12/31/17 7,497,704,919 1,312,417,468 1,511,233,524 1,794,284,589 1,839,057,981 1,636,573,432 1,406,901,670 1,179,173,752 1,098,356,484 962,156,701 882,544,395 907,505,308 939,095,533 1,036,421,441 1,107,508,384 1,110,614,794 1,202,357,495 1,202,828,667 1,295,923,887 1,330,283,958 1,359,534,511 1,445,939,283 1,326,669,924 1,191,032,149 1,259,328,435 1,225,699,362 1,127,763,672 1,157,559,985 1,149,377,813	Ratio to Prior Year 1.0003 1.0064 0.9999 1.0009 0.9993 1.0021 1.0010 1.0010 1.0032 0.9994 1.0003 1.0035 0.9980 1.0016 1.0003 1.0030 1.0020 1.0040 1.0028 1.0027 0.9995 1.0009 1.0072 1.0081 1.0178 1.0039 1.0521

TABLE I - B - ADJUSTED TO A POST ACT 57 AND 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 12/31/15	As of 12/31/16	Ratio to Prior Year
Prior	4 674 047 006	4 C74 OEO OEC	1.0001
to 1986 1986	4,671,047,086	4,671,353,956	1.0001 1.0004
1987	709,958,220	710,223,713	0.9992
1988	859,471,128 971,713,782	858,795,309 972,140,554	1.0004
1989	1,129,971,629	1,130,519,400	1.0004
1990	1,154,725,763		
1990		1,155,458,990	1.0006
1991	996,986,924	997,801,259	1.0008
1993	837,728,861	838,662,162	1.0011 1.0002
1993	731,532,753	731,646,821	
1994	667,404,748 564,381,655	668,564,530 563,486,707	1.0017 0.9984
1996			0.9999
	481,434,927	481,377,066	
1997	490,465,134	491,514,461	1.0021
1998	489,050,563	489,207,206	1.0003
1999	555,033,287	555,308,615	1.0005
2000	590,913,809	590,838,562	0.9999
2001	593,685,011	594,475,158	1.0013
2002	619,093,878	620,062,653	1.0016
2003	603,367,812	603,777,247	1.0007
2004	650,858,643	651,767,703	1.0014
2005	665,360,222	666,303,453	1.0014
2006	690,507,362	692,203,844	1.0025
2007	729,703,005	730,660,505	1.0013
2008	675,382,557	675,303,249	0.9999
2009	611,742,931	615,292,553	1.0058
2010	636,210,844	636,341,190	1.0002
2011	606,667,197	609,071,866	1.0040
2012	523,810,198	540,493,744	1.0319
2013	495,301,954	542,249,780	1.0948
2014	363,630,226	483,727,223	1.3303
2015	105,828,642	343,601,938	3.2468
2016		98,250,325	
Policy Year	As of	As of	Ratio to
Valued	12/31/16	12/31/17	Prior Year
Prior		Z	4 0000
to 1987	5,346,841,588	5,347,825,880	1.0002
1987	862,871,442	863,300,994	1.0005
1988	980,028,227	979,588,821	0.9996
1989	1,141,900,342	1,142,110,456	1.0002
	4 400 400 000		
1990	1,166,189,332	1,166,247,884	1.0001
1990 1991	1,011,782,148	1,011,749,304	1.0000
1990 1991 1992	1,011,782,148 855,690,103	1,011,749,304 855,050,848	1.0000 0.9993
1990 1991 1992 1993	1,011,782,148 855,690,103 746,201,477	1,011,749,304 855,050,848 746,615,911	1.0000 0.9993 1.0006
1990 1991 1992 1993 1994	1,011,782,148 855,690,103 746,201,477 691,457,977	1,011,749,304 855,050,848 746,615,911 691,263,631	1.0000 0.9993
1990 1991 1992 1993 1994 1995	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801	1.0000 0.9993 1.0006
1990 1991 1992 1993 1994 1995 1996	1,011,782,148 855,690,103 746,201,477 691,457,977	1,011,749,304 855,050,848 746,615,911 691,263,631	1.0000 0.9993 1.0006 0.9997
1990 1991 1992 1993 1994 1995	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801	1.0000 0.9993 1.0006 0.9997 1.0009
1990 1991 1992 1993 1994 1995 1996	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997
1990 1991 1992 1993 1994 1995 1996	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004
1990 1991 1992 1993 1994 1995 1996 1997 1998	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0009
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0009
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0009 1.0011
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0009 1.0011 1.0001
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0009 1.0011 1.0001 1.0014 1.0016
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0009 1.0011 1.0001 1.0014 1.0016 1.0009
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0009 1.0011 1.0001 1.0014 1.0016 1.0009 1.0011
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0001 1.0011 1.0014 1.0016 1.0009 1.0011 1.0011 1.0011
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0009 1.0011 1.0014 1.0016 1.0009 1.0011 1.0011 1.0011 1.0032 1.0010
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675 631,770,843	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 64,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984 634,354,346	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0009 1.0011 1.0014 1.0016 1.0009 1.0011 1.0011 1.0011 1.0032 1.0010 1.0040
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675 631,770,843 650,390,326	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984 634,354,346 654,448,556	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0001 1.0014 1.0016 1.0009 1.0011 1.0011 1.0011 1.0032 1.0010 1.0041 1.0062
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	1,011,782,148 855,690,103 746,201,477 691,457,977 886,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675 631,770,843 650,390,326 624,150,971	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984 634,354,346 654,448,556 629,011,884	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0001 1.0014 1.0016 1.0009 1.0011 1.0011 1.0032 1.0010 1.0041 1.0062 1.0078
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	1,011,782,148 855,690,103 746,201,477 691,457,977 886,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675 631,770,843 650,390,326 624,150,971 568,700,926	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984 634,354,346 654,448,556 629,011,884 571,753,520	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0011 1.0001 1.0014 1.0016 1.0009 1.0011 1.0011 1.0032 1.0010 1.0041 1.0062 1.0078 1.0054
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	1,011,782,148 855,690,103 746,201,477 691,457,977 886,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675 631,770,843 650,390,326 624,150,971 568,700,926 571,991,438	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984 634,354,346 654,448,556 629,011,884 571,753,520 578,028,628	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0001 1.0011 1.0014 1.0016 1.0009 1.0011 1.0011 1.0011 1.0011 1.0011 1.0011 1.0041 1.0062 1.0078 1.0054 1.0106
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	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675 631,770,843 650,390,326 624,150,971 568,700,926 571,991,438 519,468,634	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984 634,354,346 654,448,556 629,011,884 571,753,520 578,028,628 564,960,436	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0001 1.0011 1.0014 1.0016 1.0009 1.0011 1.0011 1.0011 1.0010 1.0010 1.0010 1.0010 1.0078 1.0078 1.0054 1.0106 1.0876
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 2015	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675 631,770,843 650,390,326 624,150,971 568,700,926 571,991,438 519,468,634 370,945,158	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984 634,354,346 654,448,556 629,011,884 571,753,520 578,028,628 564,960,436 496,705,992	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0001 1.0011 1.0014 1.0016 1.0009 1.0011 1.0011 1.0032 1.0010 1.0041 1.0062 1.0078 1.0078 1.0054 1.0106 1.0876 1.3390
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 2015 2016	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675 631,770,843 650,390,326 624,150,971 568,700,926 571,991,438 519,468,634	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984 634,354,346 654,448,556 629,011,884 571,753,520 578,028,628 564,960,436 496,705,992 359,295,065	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0001 1.0011 1.0014 1.0016 1.0009 1.0011 1.0011 1.0032 1.0010 1.0040 1.0078 1.0078 1.0054 1.0106 1.0876
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 2015	1,011,782,148 855,690,103 746,201,477 691,457,977 586,822,198 505,695,753 513,904,100 514,921,065 586,249,831 623,301,092 633,975,501 664,081,054 648,692,031 687,507,393 693,210,446 712,262,228 748,179,067 699,565,675 631,770,843 650,390,326 624,150,971 568,700,926 571,991,438 519,468,634 370,945,158	1,011,749,304 855,050,848 746,615,911 691,263,631 587,334,801 505,560,965 514,132,168 514,723,208 586,761,348 624,014,355 634,059,265 664,994,362 649,749,346 688,128,676 693,974,966 713,046,040 750,610,425 700,250,984 634,354,346 654,448,556 629,011,884 571,753,520 578,028,628 564,960,436 496,705,992	1.0000 0.9993 1.0006 0.9997 1.0009 0.9997 1.0004 0.9996 1.0001 1.0011 1.0014 1.0016 1.0009 1.0011 1.0011 1.0032 1.0010 1.0041 1.0062 1.0078 1.0054 1.0106 1.0876 1.3390

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

MEDICAL INCURRED LOSSES EXCLUDING BULK AND IBNR RESERVES

•	Policy Year Valued	As of 12/31/15	As of 12/31/16	Ratio to Prior Year
	Prior			
	to 1986	1,815,370,230	1,819,962,642	1.0025
	1986	326,407,242	329,204,491	1.0086
	1987	434,244,451	434,790,624	1.0013
	1988	522,929,931	523,814,940	1.0017
	1989	637,610,181	641,852,652	1.0067
	1990	655,211,787	658,820,583	1.0055
	1991	610,388,865	609,629,862	0.9988
	1992	531,438,533	533,807,203	1.0045
	1993	412,294,093	414,664,513	1.0057
	1994	386,019,599	388,052,694	1.0053
	1995	355,918,158	355,594,197	0.9991
	1996	348,201,227	350,304,863	1.0060
	1997	373,937,046	375,893,068	1.0052
	1998	388,620,737	389,012,659	1.0032
	1999	426,626,176	428,114,332	1.0010
	2000	447,327,472	449,458,717	1.0048
	2001	444,707,846	445,555,423	1.0019
	2002	493,875,758	495,481,741	1.0033
	2003	504,746,830	508,230,912	1.0069
	2004	575,694,843	575,481,578	0.9996
	2005	601,191,325	606,205,127	1.0083
	2006	620,972,068	623,544,374	1.0041
	2007	666,569,258	670,684,516	1.0062
	2008	603,743,884	603,219,591	0.9991
	2009	533,183,061	541,817,915	1.0162
	2010	596,531,556	595,748,655	0.9987
	2011	571,749,276	576,757,464	1.0088
	2012	507,913,620	510,310,258	1.0047
	2013	543,074,949	553,994,065	1.0201
	2014	497,744,304	533,457,070	1.0717
	2015	215,728,204	468,896,395	2.1736
	2016		199,538,261	
F	Policy Year	As of	As of	Ratio to
	Valued	12/31/16	12/31/17	Prior Year
	Prior			
	Prior to 1987	2,148,277,611	2,149,879,039	1.0007
		2,148,277,611 441,148,029	2,149,879,039 449,116,474	1.0007 1.0181
	to 1987	441,148,029		
	to 1987 1987 1988	441,148,029 532,717,596	449,116,474 531,644,703	1.0181 0.9980
	to 1987 1987 1988 1989	441,148,029 532,717,596 651,492,530	449,116,474 531,644,703 652,174,133	1.0181 0.9980 1.0010
	to 1987 1987 1988 1989	441,148,029 532,717,596 651,492,530 673,093,023	449,116,474 531,644,703 652,174,133 672,810,097	1.0181 0.9980 1.0010 0.9996
	to 1987 1987 1988 1989 1990	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128	1.0181 0.9980 1.0010 0.9996 1.0025
•	to 1987 1987 1988 1989 1990 1991 1992	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995
	to 1987 1987 1988 1989 1990 1991 1992 1993	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944
^	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022
\	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006
\	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0073
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691 693,812,629	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471 695,328,858	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0046 1.0022
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691 693,812,629 627,797,387	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471 695,328,858 626,418,940	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0046 1.0022 0.9978
	to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691 693,812,629 627,797,387 558,189,281 599,988,317	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471 695,328,858 626,418,940 556,677,803 604,879,879	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0073 1.0046 1.0022 0.9978 0.9973 1.0082
	to 1987 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	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691 693,812,629 627,797,387 558,189,281 599,988,317 591,673,684	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471 695,328,858 626,418,940 556,677,803 604,879,879 596,687,478	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0046 1.0022 0.9978 0.9978 0.9973 1.0082 1.0085
	to 1987 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	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691 693,812,629 627,797,387 558,189,281 599,988,317 591,673,684 539,377,701	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471 695,328,858 626,418,940 556,677,803 604,879,879 596,687,478 556,010,152	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0046 1.0022 0.9978 0.9978 1.0082 1.0085 1.0085
	to 1987 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	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691 693,812,629 627,797,387 558,189,281 599,988,317 591,673,684 539,377,701 581,060,410	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471 695,328,858 626,418,940 556,677,803 604,879,879 596,687,478 556,010,152 579,531,357	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0046 1.0022 0.9978 0.9973 1.0082 1.0085 1.0085
	to 1987 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	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691 693,812,629 627,797,387 558,189,281 599,988,317 591,673,684 539,377,701 581,060,410 572,947,471	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471 695,328,858 626,418,940 556,677,803 604,879,879 596,687,478 556,010,152 579,531,357 584,417,377	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0046 1.0022 0.9978 0.9978 0.9973 1.0082 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085
	to 1987 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 2015	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691 693,812,629 627,797,387 558,189,281 599,988,317 591,673,684 539,377,701 581,060,410 572,947,471 509,842,913	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471 695,328,858 626,418,940 556,677,803 604,879,879 596,687,478 556,010,152 579,531,357 584,417,377 534,288,608	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0046 1.0022 0.9978 0.9978 0.9973 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085
	to 1987 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	441,148,029 532,717,596 651,492,530 673,093,023 623,291,228 552,135,414 430,540,292 405,786,721 374,351,329 374,052,411 394,153,943 420,900,812 452,207,068 482,431,450 476,256,737 534,267,884 550,539,111 605,811,917 631,710,595 643,514,691 693,812,629 627,797,387 558,189,281 599,988,317 591,673,684 539,377,701 581,060,410 572,947,471	449,116,474 531,644,703 652,174,133 672,810,097 624,824,128 551,850,822 432,557,841 407,092,853 374,821,900 376,983,430 393,373,140 424,372,325 449,660,093 483,494,029 476,555,529 537,363,133 553,079,321 607,795,211 636,308,992 646,488,471 695,328,858 626,418,940 556,677,803 604,879,879 596,687,478 556,010,152 579,531,357 584,417,377	1.0181 0.9980 1.0010 0.9996 1.0025 0.9995 1.0047 1.0032 1.0013 1.0078 0.9980 1.0082 0.9944 1.0022 1.0006 1.0058 1.0046 1.0033 1.0073 1.0046 1.0022 0.9978 0.9978 0.9973 1.0082 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085 1.0085

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

INDEMNITY PAID LOSSES

Policy Y	ear As d	of Aso	of Ratio to	0
Value				
Prior				
to 198				
1986			64,097 1.0024	
1987			91,355 1.0016	
1988 1989	1,103,7		66,331 1.0019 01,684 1.0030	
1990	1,128,6			
1991			35,392 1.0036	
1992	,		74,508 1.0040	
1993			86,115 1.0041	
1994			24,525 1.0046	
1995	545,9	78,294 548,1	17,208 1.0039)
1996	467,2	74,536 468,5	66,883 1.0028	;
1997	483,3	18,146 484,2	17,616 1.0019)
1998			68,208 1.0020)
1999			70,808 1.0017	
2000			87,685 1.0021	
2001			22,984 1.0020	
2002			57,553 1.0045	
2003 2004			38,554 1.0045 53,755 1.00 68	
2004			53,755 1.0068 82,722 1.0081	
2005			49,573 1.0088	
2007			86,199 1.0104	
2008			91,887 1.0111	
2009			12,564 1.0220	
2010	588,7	00,310 604,8	72,862 1.0275	1
2011	548,3	32,094 569,1	62,862 1.0380	
2012	441,1	01,700 484,2	88,050 1.0979	7
2013	366,7	27,262 461,4	24,980 1.2582	
2014			54,060 1.8713	
2015	35,5		10,421 5.6452	
2016		33,1	46,038	
	ear As c		46,038	0
2016 Policy Y Value		f As c	46,038 Ratio to	
Policy Y Value Prior	d 12/31/	As of 12/31/	46,038 of Ratio to 17 Prior Yes	ar
Policy Y Valued Prior to 198	d 12/31/ 7 5,286,4	As of 12/31/ 118,574 5,295,5	46,038 of Ratio to Prior Yes 02,099 1.0017	ar
Policy Y Value Prior to 198 1987	7 5,286,4 852,6	As c 12/31/ 18,574 41,232 5,295,5 853,8	46,038 of Ratio to Prior Yes 02,099 1.0017 80,088 1.0015	ar
Policy Y Value Prior to 198 1987 1988	7 5,286,4 852,6 964,9	As c 16 12/31/ 18,574 5,295,5 41,232 853,8 66,867 966,4	46,038 of Ratio to Prior Yes 02,099 1.0017 80,088 1.0015 72,224 1.0016	ar
Policy Y Valued Prior to 198 1987 1988 1989	7 5,286,4 852,6 964,9 1,118,3	As c 12/31/ 18,574 5,295,5 41,232 853,8 36,867 966,4 01,875 1,121,1	46,038 of Ratio to Prior Yes 02,099 1.0017 80,088 1.0015 72,224 1.0016 85,339 1.0026	ar
Policy Y Valued Prior to 198 1987 1989 1990	7 5,286,4 852,6 964,9 1,118,3 1,142,6	As c 12/31/ 18,574 5,295,5 41,232 853,8 36,867 966,4 01,875 1,121,1 02,411 1,145,2	46,038 of Ratio to Prior Yes 02,099	ar
Policy Y Valued Prior to 198 1987 1989 1990	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9	18,574 5,295,5 41,232 853,8 66,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8	46,038 of Ratio to Prior Yes 02,099	ar
Policy Y Valued Prior to 198 1987 1989 1990 1991	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2	As of 12/31/ 18,574 5,295,5 41,232 853,8 66,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7	46,038 of Ratio to Prior Yes 02,099	ar
Policy Y Value Prior to 198 1987 1988 1989 1990 1991	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2	As of 12/31/ 18,574 5,295,5 41,232 853,8 66,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0	46,038 17 Ratio to Prior Yes 102,099 1.0017 80,088 1.0016 85,339 1.0026 84,577 1.0023 36,071 1.0030 97,450 1.0031 72,048 1.0039	ar
Policy Y Valued Prior to 198 1987 1989 1990 1991 1992 1993 1994	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8	As of 12/31/ 18,574 5,295,5 41,232 853,8 86,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4	46,038 of Ratio to Prior Yes 02,099	ar
Policy Y Value Prior to 198 1987 1988 1989 1990 1991 1992	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4	As control of the state of the	46,038 17 Ratio to Prior Yes 102,099 1.0017 80,088 1.0016 85,339 1.0026 84,577 1.0023 36,071 1.0030 97,450 1.0031 72,048 1.0039	ar
Policy Y Valued Prior to 198 1987 1989 1990 1991 1992 1993 1994 1995	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,9 872,2 666,8 571,4	As of 12/31/2 18,574 5,295,5 41,232 853,8 86,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 54,468 494,2	46,038 of Ratio to Prior Yes 02,099	ar
Policy Y Valued Prior to 198 1987 1989 1990 1991 1992 1993 1994 1995	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3	As of 12/31/2 18,574 5,295,5 41,232 853,8 86,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 54,468 494,2 27,000 507,3	46,038 of Ratio to Prior Yei 02,099	ar
Policy Y Valued Prior to 198 1987 1989 1990 1991 1992 1993 1994 1995 1996	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 574,4 492,8 506,3 509,1 578,8	As control of the con	46,038 of Ratio to Prior Yei 02,099	ar
Policy Y Valued Prior to 198 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5	As of 12/31/ 18,574 5,295,5 41,232 853,8 66,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 654,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 71,578 615,8	46,038 17 Ratio to Prior Yes 102,099 1.0017 80,088 1.0015 72,224 1.0016 85,339 1.0026 84,577 1.0023 36,071 1.0030 97,450 1.0031 72,048 1.0039 64,524 1.0039 64,524 1.0039 86,417 1.0028 37,775 1.0016 13,076 1.0016 28,881	ar
Policy Y Valued Prior to 198 1987 1988 1989 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5	As of 12/31/ 18,574 5,295,5 41,232 853,8 853,8 86,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 64,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 71,578 615,8 40,881 625,2	46,038 17	ar
Policy Y Values Prior to 198 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 577,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5	As of 12/31/ 18,574 5,295,5 41,232 853,8 86,867 966,4 01,875 1,121,1 102,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 64,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 40,881 625,2 58,664 648,7	46,038 17	ar
Policy Y Values Prior to 198 1987 1988 1989 1990 1991 1992 1993 1994 1995 1998 1999 2000 2001 2002 2003	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,6 614,5 623,5 646,5 629,3	As of 12/31/2 18,574 5,295,5 41,232 853,8 66,667 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 504,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 615,8 40,881 625,2 58,664 648,7 96,524 632,0	46,038 17	ar .
Policy Y Valued Prior to 198 1987 1988 1989 1990 1991 1992 1993 1994 1995 1998 1999 2000 2001 2002 2003 2004	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7	As of 12/31/2 18,574 5,295,5 41,232 853,8 86,867 966,4 001,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 54,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 47,214 509,9 91,498 579,8 40,881 625,2 58,664 648,7 96,524 632,0 99,931 662,7	46,038 17	ar
Policy Y Valued Prior to 198 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7 670,7	As of 12/31/2 18,574 5,295,5 853,8 868,67 966,4 07,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 54,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 71,578 615,8 40,881 625,2 58,664 648,7 99,931 662,7 32,234 674,1	46,038 17	ar
Policy Y Value Prior to 198 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7 670,7 685,7	As of 12/31/2 18,574 5,295,5 41,232 853,8 86,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 64,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 71,578 615,8 40,881 625,2 58,664 648,7 96,524 632,0 99,931 662,7 32,234 674,1 44,354 690,6	46,038 of Prior Yei 02,099	ar
Policy Y Value Prior to 198 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7 7720,5	As of 12/31/2 18,574 5,295,5 41,232 853,8 86,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 64,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 40,881 625,2 58,664 648,7 96,524 632,0 99,931 662,7 32,234 674,1 44,354 690,6 85,443 726,0	46,038 of Prior Yei 02,099	ar
Policy Y Value Prior to 198 1987 1988 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7 720,5 673,7	As of 12/31/2 18,574 5,295,5 41,232 853,8 868,67 966,4 01,875 1,121,1 12,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 54,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 40,881 625,2 58,664 648,7 96,524 632,0 99,931 662,7 32,234 674,1 44,354 690,6 85,443 726,0 37,119 678,3	46,038 17 Ratio to Prior Yei 102,099 1.0017 80,088 1.0015 72,224 1.0016 85,339 1.0026 84,577 1.0023 36,071 1.0030 97,450 1.0031 72,048 1.0039 64,524 1.0039 64,524 1.0039 64,524 1.0039 64,524 1.0039 64,524 1.0039 64,524 1.0039 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0028 41,310 1.0033 27,395 1.0042 96,389 1.0061 52,695 1.0072 48,352 1.0076 55,695 1.0076	ar
Policy Y Valued Prior to 198 1987 1988 1999 1991 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2005 2006 2007 2008 2009	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7 720,5 673,7 609,7	As of 12/31/ 18,574 5,295,5 41,232 853,8 853,8 86,867 966,4 01,875 1,121,1 02,411 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 95,824 573,0 54,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 71,578 615,8 40,881 625,2 58,664 648,7 96,524 632,0 99,931 662,7 32,234 674,1 44,354 690,6 85,443 726,0 37,119 678,3 34,463 617,7	46,038 17 Ratio to Prior Yes 102,099 1.0017 80,088 1.0015 72,224 1.0016 83,339 1.0026 84,577 1.0023 36,071 1.0030 97,450 1.0031 72,048 1.0039 64,524 1.0039 64,524 1.0039 86,457 1.0028 37,775 1.0016 13,076 1.0016 28,881 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0020 48,352 1.0061 52,695 1.0072 48,352 1.0076 58,010 1.0069 01,546 1.0131	ar
Policy Y Valued Prior to 198 1987 1988 1999 1991 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2006 2007 2008 2009 2010	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7 670,7 685,7 720,5 673,7 609,7 620,0	18,574 18,574 118,574 118,574 118,574 11,232 118,574 11,232 119,241 11,241 11,145,2 11,21,41 11,21,41 1	46,038 17 Ratio to Prior Yes 102,099 1.0015 72,224 1.0016 85,339 1.0026 84,577 1.0023 36,071 1.0030 97,450 1.0031 72,048 1.0039 864,524 1.0038 864,17 1.0028 86,524 1.0027 28,183 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0020 385,886 1.0028 41,310 1.0033 27,395 1.0042 96,389 1.0061 52,695 1.0072 48,352 1.0076 552,695 1.0072 48,352 1.0076 558,010 1.0069 01,546 1.0131 80,745 1.0166	ar
Policy Y Valued Prior to 198 1987 1988 1999 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 579,1 670,7 685,7 720,5 673,7 609,7 620,0 584,4	18,574 5,295,5 41,232 853,8 66,867 966,4 1,121,1 1,145,2 1,121,41 1,145,2 1,121,41 1,145,2 1,121,41 1,145,2 1,121,41 1,145,2 1,121,41 1,145,2 1,121,41 1,145,2 1,121,41 1,145,2 1,121,41 1,145,2 1,121,41 1,145,2 1,121,41 1,145,2 1,1	46,038 17 Ratio to Prior Yes 102,099 1.0017 80,088 1.0015 72,224 1.0016 83,339 1.0026 84,577 1.0023 36,071 1.0030 97,450 1.0031 72,048 1.0039 64,524 1.0039 64,524 1.0039 86,457 1.0028 37,775 1.0016 13,076 1.0016 28,881 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0020 37,775 1.0016 13,076 1.0016 28,881 1.0020 48,352 1.0061 52,695 1.0072 48,352 1.0076 58,010 1.0069 01,546 1.0131	ar
Policy Y Value Value Prior to 198 1987 1988 1989 1991 1992 1993 1994 1995 1996 1997 1998 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 33,0,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7 720,5 670,7 685,7 720,5 673,7 609,7 620,0 584,4	18,574 5,295,5 41,232 853,8 86,867 966,4 1,121,1 1,145,2 1,120,411 1,145,2 1,120,411 1,145,2 1,120,411 1,145,2 1,120,411 1,145,2 1,120,411 1,145,2 1,120,411 1,145,2 1,120,411 1,145,2 1,120,411 1,145,2 1,145	46,038 17	ar
Policy Y Value Prior to 198 1987 1988 1989 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7 720,5 670,7 685,7 720,5 673,7 609,7 620,0 584,4 509,2 489,9	18,574 5,295,5 853,8 86,867 966,4 1,121,1 1,145,2 1,120,6,099 986,8 96,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 54,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 40,881 625,2 68,664 648,7 96,524 632,0 99,931 662,7 32,234 674,1 44,354 690,6 85,443 726,0 37,119 678,3 34,463 617,7 59,446 630,3 49,524 597,6 87,964 527,7 26,380 529,7	46,038 17	ar
Policy Y Value Prior to 198 1987 1988 1989 1990 1991 1992 1993 1994 1995 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 629,3 658,7 670,7 685,7 720,5 673,7 609,7 620,0 584,4 509,2 489,9 396,6	18,574 5,295,5 853,8 86,867 966,4 01,875 1,121,1 01,975 22,419 726,0 91,546 669,4 95,824 573,0 564,68 494,2 27,000 507,3 47,214 509,9 91,498 579,8 40,881 625,2 68,664 648,7 96,524 632,0 99,931 662,7 32,234 674,1 44,354 690,6 85,443 726,0 37,119 678,3 34,463 617,7 59,446 630,3 49,524 597,6 87,964 527,7 49,412 488,8	46,038 17	ar
Policy Y Value Prior to 198 1987 1988 1989 1990 1991 1992 1993 1994 1995 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014	7 5,286,4 852,6 964,9 1,118,3 1,142,6 983,9 830,2 723,2 666,8 571,4 492,8 506,3 509,1 578,8 614,5 623,5 646,5 629,3 658,7 670,7 685,7 720,5 673,7 699,7 620,0 584,4 509,2 489,9 396,6 219,0	As of 12/31/2 18,574 5,295,5 853,8 868,667 966,4 01,875 1,121,1 1,145,2 06,099 986,8 06,732 832,7 24,997 726,0 91,546 669,4 95,824 573,0 54,468 494,2 27,000 507,3 47,214 509,9 91,498 579,8 615,8 40,881 625,2 58,664 648,7 99,931 662,7 32,234 674,1 44,354 690,6 35,446 363,7,119 678,3 37,119 678,3 34,463 617,7 59,446 630,3 49,524 597,6 87,964 527,7 26,380 529,7 49,412 488,8 82,176 391,7 44,328 207,0	46,038 17	ar

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

MEDICAL PAID LOSSES

Policy Year	As of	As of	Ratio to
Valued	12/31/15	12/31/16	Prior Year
Prior	4 705 070 040		4 000=
to 1986	1,705,270,913	1,716,778,186	1.0067
1986	308,890,928	311,563,552	1.0087
1987	404,974,563	408,359,861	1.0084
1988	492,444,665	495,299,191	1.0058
1989	592,059,407	597,991,333	1.0100
1990	623,109,550	627,899,844	1.0077
1991	572,049,508	575,438,604	1.0059
1992	496,502,157	502,357,284	1.0118
1993	387,325,760	390,436,908	1.0080
1994	357,163,476	361,610,589	1.0125
1995	328,587,654	330,803,804	1.0067
1996	319,173,309	322,909,446	1.0117
1997	342,369,870	346,294,167	1.0115
1998	357,240,305	360,521,301	1.0092
1999	395,256,904	398,429,281	1.0080
2000	419,298,435	422,698,744	1.0081
2001	420,707,318	424,578,710	1.0092
2002	458,164,649	465,011,216	1.0149
2003	476,434,067	481,552,560	1.0107
2004	538,312,893	543,448,844	1.0095
2005	560,009,273	565,454,987	1.0097
2006	576,166,472	584,587,785	1.0146
2007	624,624,650	633,292,151	1.0139
2008	563,551,224	569,743,049	1.0110
2009	496,119,195	502,748,005	1.0134
2010	532,993,372	541,365,571	1.0157
2011	525,710,219	535,032,910	1.0177
2012	450,990,086	467,783,647	1.0372
2013	441,398,945	475,659,032	1.0776
2014	363,367,476	458,149,815	1.2608
2015	98,517,819	328,844,337	3.3379
2016		88,515,806	
D. P V			Deffe to
Policy Year Valued	As of 12/31/16	As of 12/31/17	Ratio to Prior Year
	12/3 1/10	12/3//17	T TIOT TEAT
Prior			
Prior to 1987	2 026 449 865	2 039 429 362	1 0064
to 1987	2,026,449,865 412,904,619	2,039,429,362 416,739,984	1.0064
to 1987 1987	412,904,619	416,739,984	1.0093
to 1987 1987 1988	412,904,619 503,382,991	416,739,984 505,825,828	1.0093 1.0049
to 1987 1987 1988 1989	412,904,619 503,382,991 607,210,632	416,739,984 505,825,828 612,553,295	1.0093 1.0049 1.0088
to 1987 1987 1988 1989	412,904,619 503,382,991 607,210,632 640,909,184	416,739,984 505,825,828 612,553,295 644,783,537	1.0093 1.0049 1.0088 1.0060
to 1987 1987 1988 1989 1990	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669	1.0093 1.0049 1.0088 1.0060 1.0063
to 1987 1987 1988 1989 1990 1991 1992	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081
to 1987 1987 1988 1989 1990 1991 1992 1993	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094
to 1987 1987 1988 1989 1990 1991 1992 1993 1994	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118
to 1987 1987 1988 1989 1990 1991 1992 1993 1994	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0090 1.0082
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0090 1.0082
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0090 1.0082 1.0068 1.0080
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0090 1.0082 1.0068 1.0080
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0090 1.0082 1.0068 1.0080 1.0056
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0090 1.0082 1.0068 1.0080 1.0056 1.0110 1.0082
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0082 1.0068 1.0080 1.0056 1.0110 1.0082 1.0082
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0090 1.0082 1.0068 1.0080 1.0056 1.0110 1.0082 1.0077
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0090 1.0082 1.0068 1.0056 1.0110 1.0082 1.0077 1.0092
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0092 1.0068 1.0056 1.0110 1.0082 1.0077 1.0102 1.0094 1.0113
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0082 1.0068 1.0056 1.0110 1.0082 1.0077 1.0102 1.0077
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006 519,307,199	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414 525,267,841	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0090 1.0082 1.0068 1.0056 1.0110 1.0082 1.0077 1.0102 1.0094 1.0113 1.0095 1.0115
to 1987 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006 519,307,199 552,047,693	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414 525,267,841 559,862,860	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0082 1.0068 1.0080 1.0056 1.0110 1.0082 1.0077 1.0112 1.0077 1.0102 1.0094 1.0113 1.0095 1.0115
to 1987 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	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006 519,307,199 552,047,693 549,135,877	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414 559,862,860 557,259,255	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0092 1.0068 1.0080 1.0056 1.0110 1.0082 1.0077 1.0102 1.0094 1.0113 1.0095 1.0115 1.0142
to 1987 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	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006 519,307,199 552,047,693 549,135,877 495,292,478	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414 559,862,860 557,259,255 503,111,608	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0082 1.0068 1.0080 1.0056 1.0110 1.0082 1.0077 1.0102 1.0094 1.0113 1.0095 1.0115 1.0142 1.0148
to 1987 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	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006 519,307,199 552,047,693 549,135,877 495,292,478 502,324,871	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414 525,267,841 525,267,841 559,862,860 557,259,255 503,111,608 517,270,705	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0097 1.0090 1.0082 1.0068 1.0056 1.0110 1.0082 1.0077 1.0102 1.0071 1.0102 1.0094 1.0113 1.0095 1.0115 1.0142 1.0148 1.0158 1.0298
to 1987 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	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006 519,307,199 552,047,693 549,135,877 495,292,478 502,324,871 494,683,314	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414 525,267,841 559,862,860 557,259,255 503,111,608 517,270,705 525,968,802	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0082 1.0068 1.0080 1.0056 1.0110 1.0082 1.0077 1.0102 1.0094 1.0113 1.0095 1.0115 1.0115 1.0115 1.0142 1.0148 1.0158 1.0298 1.0632
to 1987 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 2015	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006 519,307,199 552,047,693 549,135,877 495,292,478 502,324,871 494,683,314 360,733,667	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414 525,267,841 559,862,860 557,259,255 503,111,608 517,270,705 525,968,802 450,619,207	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0082 1.0068 1.0056 1.0110 1.0082 1.0077 1.0102 1.0094 1.0113 1.0095 1.0115 1.0142 1.0142 1.0148 1.0158 1.0298 1.0632 1.2492
to 1987 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 2015 2016	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006 519,307,199 552,047,693 549,135,877 495,292,478 502,324,871 494,683,314	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414 525,267,841 559,862,860 557,259,255 503,111,608 517,270,705 525,968,802 450,619,207 358,709,085	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0082 1.0068 1.0080 1.0056 1.0110 1.0082 1.0077 1.0102 1.0094 1.0113 1.0095 1.0115 1.0115 1.0115 1.0142 1.0148 1.0158 1.0298 1.0632
to 1987 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 2015	412,904,619 503,382,991 607,210,632 640,909,184 588,505,171 519,279,617 404,446,215 377,179,027 348,746,766 345,226,585 364,314,877 390,695,695 421,169,450 454,071,268 454,082,693 501,668,567 521,367,478 572,227,575 590,176,205 603,698,575 655,702,334 592,395,006 519,307,199 552,047,693 549,135,877 495,292,478 502,324,871 494,683,314 360,733,667	416,739,984 505,825,828 612,553,295 644,783,537 592,197,669 523,495,677 408,255,169 381,638,691 352,423,286 348,560,947 367,596,686 393,889,797 424,031,014 457,712,491 456,603,866 507,194,708 525,618,743 576,635,051 596,206,243 609,399,839 663,090,515 598,014,414 525,267,841 559,862,860 557,259,255 503,111,608 517,270,705 525,968,802 450,619,207	1.0093 1.0049 1.0088 1.0060 1.0063 1.0081 1.0094 1.0118 1.0105 1.0097 1.0082 1.0068 1.0056 1.0110 1.0082 1.0077 1.0102 1.0094 1.0113 1.0095 1.0115 1.0142 1.0142 1.0148 1.0158 1.0298 1.0632 1.2492

EXHIBIT VII

LOSS COST FORMULAE

The experience used for classification relativities for the April 1, 2019 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, 2019 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, 2019 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, 2019 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 *

			Collectible
Manual	Premium at	Collected Premium	Premium
Year	Manual Rates	, ,	
(1)	(2)	(3)	(4)
		ALL INDUSTRIES	
2013	2,766,011,508	2,696,545,428	1.0258
2014	2,760,704,168	2,683,299,409	1.0288
2015	2,681,727,250	2,619,302,172	1.0238
20.0	2,001,121,200	2,010,002,012	7.0200
TOTAL	8,208,442,926	7,999,147,009	1.0262
	MANU	FACTURING AND UTILITIES	
2013	564,108,735	542,555,306	1.0397
2014	564,454,471	542,749,865	1.0400
2015	539,960,740	517,361,937	1.0437
_0.0	333,333,113		
TOTAL	1,668,523,946	1,602,667,108	1.0411
	CONTI	RACTING AND QUARRYING	
2013	532,737,012	475,481,439	1.1204
2013	541,022,560	475,368,814	1.1381
2015	515,063,009	459,191,927	1.1217
2010	010,000,000	400,101,021	1.1217
TOTAL	1,588,822,581	1,410,042,180	1.1268
		/	
1		OTHER INDUSTRIES	
2013	1,660,165,761	1 679 509 693	0.9944
2013	1,669,165,761 1,655,227,137	1,678,508,683 1,665,180,730	0.9944 0.9940
2014	1,626,703,501	1,642,748,308	0.9902
2013	1,020,703,301	1,042,140,300	0.9902
TOTAL	4,951,096,399	4,986,437,721	0.9929
-		, , ,	

^{*} Excludes classifications and coverages not subject to experience rating.

EXHIBIT IX

CALCULATION OF EXPECTED LOSS COST FACTORS (a)

Policy Year Beginning 4/1	HB 1846 Adjustment Factor	Protz & HB 1840 Adjustment Factor	Loss Ratio Development Factor	Collectible Premium Ratio	Trend Factor	Product (2) * (3) * (4) * (5) * (6)	Expected Loss Cost Factor 1.0 / (7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
		<u>!</u>	Manufacturing a	and Utilities				
2015	1.0000	0.9840	1.1499	1.0411	0.8546	1.0067	0.9933	
2016	1.0000	0.9787	1.2269	1.0411	0.8888	1.1111	0.9000	
2017	1.0000	0.9839	1.5248	1.0411	0.9244	1.4438	0.6926	
2015 2016 2017	1.0000 1.0000 1.0000	0.9840 0.9787 0.9839	1.1819 1.2391 1.5031	1.1268 1.1268 1.1268 1.1268	0.8546 0.8888 0.9244	1.1199 1.2145 1.5404	0.8929 0.8234 0.6492	
	Other Industries							
2015	1.0000	0.9840	1.1330	0.9929	0.8546	0.9460	1.0571	
2016	1.0000	0.9787	1.2194	0.9929	0.8888	1.0532	0.9495	
2017	1.0000	0.9839	1.5166	0.9929	0.9244	1.3695	0.7302	

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 =	0.3123
Second Adjustment	RDF =	0.1723
Third Adjustment	RDF =	0.1223

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:

^{*} The use of retrospective development factors is optional.