Memorandum

From: <u>Div 66 Actuarial</u>

Michael Tranfaglia Emily Turek Michael Liston

To: E. Allen, S. Leeret, B. Harris, R. D'Alfonso, J. Parker, R. Simmons, M. Stembridge

CC: J. Johnson, K. Hanna, J. Heaney, C. Steinbach, B. McCoy, I. Robbin, A. Markham, J. Stracher

Date: 6/08/2015

Re: Division 66 - UtilitySure US Profitability Study

I. Executive Summary

A. <u>Introduction</u> -

The UtilitySure program provides Automobile, General Liability, Limited Pollution Liability, Property(including Boiler and Machinery), Business Income/Extra Expense, Inland Marine and Umbrella Liability for public and IOU(investor owned utility) gas utility companies. Some insureds are members of the APGA - American Public Gas Association.

Last year's analysis resulted in an overall PY 2015 Ultimate Loss Ratio indication of 42.3% which yielded a RAP neutral rate need of -34.2% based on 2014 RAP values.

The year to date rate change for 2015 is 4.6% in total, varying by LOB.

For purposes of this analysis we have used a 2015 forecasted rate change of 4.3% in total, varying by LOB.

B. Summary of Results

IL and LAE evaluated as of: 1st Quarter 2015

Currency Employed: <u>USD</u>

Exhibit 1:

			2015	Projected		RAP		
		F	orecasted	l Ultimate		Breakeven		
Line of	Sub-	Policy	GWP	IL and LAE	Combined	Target	RAP Rate	Projected
Business	Segment	Year [*]	(000)	Ratio*	Ratio*	Combined Ratio	Need	RAP \$ **
GL	N/A	2015	1,236	25.0%	57.0%	99.1%	-59.7%	342
AL	N/A	2015	718	38.0%	69.9%	98.1%	-40.5%	134
Property	N/A	2015	549	23.5%	54.9%	96.8%	-61.3%	170
APD	N/A	2015	152	63.0%	94.2%	97.9%	-5.2%	4
Excess Liability	N/A	2015	765	62.5%	93.9%	98.7%	-6.8%	24
TOTAL			3,421	37.6%	69.3%	98.4%	-41.6%	674

^{*} Includes PY 2015 rate change achieved

Discussion of Material FindingsThe ultimate loss ratio change on an all LOB combined basis was -5.6% for PY's 0514. This is largely driven by GL and Excess. GL had better than expected prior year development. The Excess
Liability Ultimate Loss Ratio is based largely on the complement of credibility which decreased from the prior year.
Property saw a slight increase in the Projected Ultimate Loss Ratio due to an increase in the AAL (from 2.0% to
4.2%) and XOL (from a 0.3% to a 1.9%) but remains profitable. APD makes up a small portion of this book and has
deteriorated since the previous study.

^{**} Assumes a tax rate of 35%

II. Assumptions/Limitations/Data Quality/Other

- A. <u>Assumptions</u> For purposes of this analysis, the loss ratio indications are based on a 3.5% trend assumption for GL, 4% for AL, 5% for XS and 0.0% for Property and APD. The rate changes used in this analysis are a weighted average of 2014 expiring rate change, 2015 YTD rate change, and the 2015 Target rate change.
- B. <u>Limitations/Weakness</u> The projected PY 2015 loss ratio shown in Exhibit 1 of this report assumes that the forecasted rate change for 2015 will be consistent throughout the remainder of the year. To the extent that the annual rate change does not equal the forecasted rate change, then the results of this report will vary. Besides that, there are no significant limitations/weaknesses with regards to this study outside of standard actuarial caveats that normally apply to projecting future losses. These include, but are not limited to, actual emerged actuarial parameters (LDF's, ILFs, ELR's, trend, etc.) not being in line with selected parameters; miss-coding/inaccurate representation of the data relied upon in this analysis; and future regulatory/judicial changes affecting the frequency/severity of the results.
- C. <u>Data Quality</u> The data for all lines of business in this analysis is pulled from Sandbox which aggregates the data from CRS.
- D. Other -NA

III. Methodology

A review of several claim diagnostics shows no clear evidence of case reserve strengthening for this book of business (no consistent increase in average outstanding or decrease in paid to incurred ratios). In addition, a review of implied claim disposal rate does not show any clear evidence of claims closure rate changes.

Several methodologies have been used to project loss & legal expenses to ultimate. This includes the following: paid and incurred loss development and Bornhuetter-Ferguson methods (on a paid and incurred basis) all for losses uncapped and at varying capped levels. Frequency and severity is employed along with ultimate ILAE ratio selections to select a final PY 2015 ultimate loss ratio. The selected frequency and severities are somewhat consistent in comparison to the prior profit study.

The commissions and underwriting expenses are program specific. The RAP neutral ratio is calculated based program specific RAP profit loads. Rate need is based on a ratio of the ultimate ILAE ratio and the target ILAE ratio.

- IV. Actuarial Next Steps We will continue to monitor these results through quarterly actual versus expected analyses.
- V. Underwriting Action Plans Below is the response provided by MaryAlice Stembridge from an email dated 06/23/2015.

This book continues to produce good results. Our plan is to continue to work toward finding ways to increase our writings. Although this industry is highly regulated, we recognize the potential for catastrophic loss. We will continue to work with the PA on risk selection and risk management controls.

Appendix - Methodology:

Please note that the analysis has five sections:

Section I - General Liability

Section II -Auto Liability

Section III - Property

Section IV- Auto Physical Damage

Section V - Excess

Exhibit 1 - Summarizes PY 2015 ultimate ILAE ratios and PY 2015 rate need.

Exhibit 2 - PY reported incurred and paid loss and LAE ratios in triangle format.

Exhibit 3 - Indexing PY 2004 - 2014 ultimate ILAE (incurred + LAE) ratios to PY 2015 and selection of PY 2015 ultimate ILAE ratios.

Exhibit 4 - Frequency/Severity method used to calculate an indicated PY 2015 ultimate ILAE ratio

Exhibit 5 - Summarizes various methods (Exhibit 6a - Exhibit 8f) used to calculate ultimate + LAE & ratios for PY's 2004 - 2014.

- a) Policy Limits
- b) Capped at \$250,000
- c) Capped at \$100,000

Exhibit 6 - Bornhuetter-Ferguson methods

- a) Methodology
- b) A Priori Loss Ratios

Exhibit 7 - ILF selections

<u>Exhibit 8</u> - Loss development methods. In general, the selected age to age loss development factors are determined by giving weight to the overall Division 66 loss development factors as well as historical results of the program.

- a) Uncapped Incurred
- b) Incurred Capped at \$250,000
- c) Incurred Capped at \$100,000
- d) Uncapped Paid
- e) Paid Capped at \$250,000
- f) Paid Capped at \$100,000

<u>Exhibit 9</u> - Gross Written Premium developed to an ultimate PY basis. In general, the selected age to age premium development factors are determined by giving weight to the overall Division 66 premium development factors as well as the historical results of the program.

<u>Exhibit 10</u> - Total claim counts (excluding closed w/no-pay) developed to ultimate. In general, the selected age to age loss development factors are determined by giving weight to the overall Division 66 claim development factors as well as the historical results of the program.

<u>Exhibit 11</u> - Open claim count, closed with payment claim count, closed without payment claim count and total claim count development.

Exhibits 12 - Key diagnostic triangles.

a) Case Reserves per Open Claim

Paid & Legal per Closed With Payment

Paid per Closed With Payment

b) Paid & Legal to Incurred & Legal

Paid to Incurred

Closed W/Pay to Total Claim Count (Ex CWNP)

- c) Legal to Indemnity
- d) Total Claim Count to Total Policy Count

Average Account Size - Total - GWP to Total Policy Count

Average Account Size - New- GWP to New Policy Count

Average Account Size - Renewal - GWP to Renewal Policy Count

Exhibit 13 - Large loss listing (Incurred + LAE > \$100,000 and >\$250,000 for Excess).

Please let me know if you have any questions or comments regarding this study.

Summary 1

Program Summary by LOB - PY 2015

(1)	(2)		(3)
			Before 2015
			Rate Change
	PY 2016		PY 2015
	Forecasted		Ultimate
LOB	GWP	Direct	ILAE Ratio
GL	1,236	3.5%	25.8%
AL	718	3.4%	40.5%
Property	549	2.9%	24.2%
APD	152	3.6%	69.2%
Excess Liability	765	3.0%	64.8%
Total Casualty	2,719	3.3%	40.7%
Total Property	702	3.1%	34.0%
All Lines Combined	3,421	3.3%	39.3%

Neutral	
(4)	(5)
Before 2	2015
Rate Cha	ange
Target PY 2	2015
Ratio Rate N	leed
67.2% -58	8.5%
66.2% -30	6.9%
65.4% -60	0.4%
66.7 %	3.6%
67.3%	3.5%
67.0% -33	7.4%
65.7% -40	6.2%
66.7% -39	9.1%

_		
	(6)	(7) After 2015
		Rate Change
	PY 2015	PY 2015
	Forecasted	Ultimate
	Rate	ILAE Ratio
	3.3%	25.0%
	6.6%	38.0%
	2.7%	23.5%
	9.9%	63.0%
	3.7%	62.5%
	4.3%	39.0%
	4.3%	32.1%
	,	3 — 434
	4.3%	37.6%

^{(1) =} Input

^{(2) =} Exhibit 2

^{(3) = (7) * [1 + (6)]}

^{(4) =} Exhibit 1

^{(5) = [(3) + (}Direct Expense)] / [(4) + (Direct Expense)] - 1

^{(6) =} Exhibit 1

^{(7) =} Exhibit 1

WNH UtilitySure - Profitability Study PYG @ 2015/1 (000's omitted)

Program Summary by LOB - PY 2016

(1)	(2)		(3)
			After 2015
			Rate Change
	PY 2016		PY 2016
	Forecasted		Ultimate
LOB	GWP	Direct	ILAE Ratio
GL	1,236	3.5%	25.9%
AL	718	3.4%	39.5%
Property	549	2.9%	23.5%
APD	152	3.6%	63.0%
Excess Liability	765	3.0%	65.6%
Total Casualty	2,719	3.3%	40.7%
Total Property	702	3.1%	32.1%
All Lines Combined	3,421	3.3%	38.9%

RAP Neutral	
(4)	(5)
	After 2015
	Rate Change
	•
Target	PY 2016
Ratio	Rate Need
67.2%	-58.4%
66.2%	-38.3%
65.4%	-61.3%
66.7%	-5.2%
67.3%	-2.4%
67.0%	-37.4%
65.7%	-48.9%
66.7%	-39.7%

^{(1) =} Input

^{(2) =} Exhibit 2

^{(3) =} Exhibit 1

^{(4) =} Exhibit 1

^{(5) = [(3) + (}Direct Expense)] / [(4) + (Direct Expense)] - 1

Program Summary by LOB

GL

AL

Property - ex Cat Load & Reinsurance Charges

APD

		Reported	Reported	Selected Ultimate	Ultimate
PY	GWP	ILAE	ILAE Ratio	ILAE	ILAE Ratio
2005	0	0	-	0	-
2006	0	0	-	0	-
2007	0	0	-	0	-
2008	1,046	526	50.3%	531	50.7%
2009	1,378	84	6.1%	85	6.2%
2010	1,413	286	20.3%	313	22.1%
2011	1,261	164	13.0%	170	13.5%
2012	1,070	53	5.0%	141	13.2%
2013	1,160	154	13.3%	297	25.6%
2014	1,321	33	2.5%	273	20.7%
2015	1,236	0	0.0%	297	24.0%

			Selected	
	Reported	Reported	Ultimate	Ultimate
GWP	ILAE	ILAE Ratio	ILAE	ILAE Ratio
0	0	-	0	-
0	0	-	0	-
0	0	-	0	-
388	113	29.1%	116	29.9%
496	55	11.1%	57	11.5%
635	161	25.3%	175	27.6%
586	210	35.8%	262	44.7%
538	135	25.1%	191	35.5%
587	73	12.4%	175	29.7%
609	4	0.7%	186	30.5%
718	0	0.0%	266	37.0%

			Selected	
	Reported	Reported	Ultimate	Ultimate
GWP	ILAE	ILAE Ratio	ILAE	ILAE Ratio
0	0	-	0	-
0	0	-	0	-
0	0	-	0	
316	79	24.9%	78	24.7%
401	68	16.9%	67	16.8%
468	154	32.9%	154	32.9%
462	63	13.6%	63	13.6%
455	67	14.8%	67	14.8%
552	35	6.3%	35	6.3%
574	30	5.3%	78	13.6%
549	0	0.0%	91	16.5%

-	-		Selected	-
	Reported	Reported	Ultimate	Ultimate
GWP	ILAE	ILAE Ratio	ILAE	ILAE Ratio
0	0	-	0	-
0	0	-	0	-
0	0	-	0	-
91	46	50.6%	46	50.4%
128	79	61.7%	79	62.1%
143	101	70.5%	101	70.5%
151	51	33.8%	51	33.8%
115	661	573.8%	666	578.9%
135	63	46.6%	64	47.5%
148	40	26.8%	88	59.2%
152	0	0.0%	94	62.0%

Excess Liability

Total Casualty

Selected

Total Property - ex Cat Load & Reinsurance

All Lines Combined

		Report
PY	GWP	IL.
2005	0	
2006	0	
2007	0	
2008	564	
2009	721	
2010	841	
2011	769	
2012	677	
2013	747	1
2014	777	
2015	765	
2016		

			Selected	
	Reported	Reported	Ultimate	Ultimate
GWF	P ILAE	ILAE Ratio	ILAE	ILAE Ratio
0	0	-	0	-
0	0	-	0	-
0	0	-	0	-
564	0	0.0%	70	12.4%
721	0	0.0%	120	16.6%
841	0	0.0%	200	23.8%
769	0	0.0%	240	31.2%
677	0	0.0%	280	41.3%
747	11	1.4%	390	52.2%
777	0	0.0%	430	55.3%
765	0	0.0%	367	48.0%

	Reported	Reported	Ultimate	Ultimate
GWP	ILAE	ILAE Ratio	ILAE	ILAE Ratio
0	0	-	0	-
0	0	-	0	-
0	0	-	0	-
1,998	639	32.0%	717	35.9%
2,595	139	5.3%	262	10.1%
2,890	447	15.5%	688	23.8%
2,616	374	14.3%	672	25.7%
2,285	188	8.2%	612	26.8%
2,494	238	9.5%	862	34.6%
2,707	37	1.4%	889	32.8%
2,719	0	0.0%	930	34.2%

			Selected	
	Reported	Reported	Ultimate	Ultimate
GWP	ILAE	ILAE Ratio	ILAE	ILAE Ratio
0	0	-	0	-
0	0	-	0	-
0	0	-	0	-
407	125	30.6%	124	30.5%
529	147	27.7%	147	27.7%
611	255	41.7%	255	41.7%
613	114	18.6%	114	18.6%
570	728	127.6%	734	128.7%
686	97	14.2%	99	14.4%
722	70	9.7%	166	23.0%
702	0	0.0%	185	26.4%

			Selected	
	Reported	Reported	Ultimate	Ultimate
GWP	ILAE	ILAE Ratio	ILAE	ILAE Ratio
0	0	-	0	-
0	0	-	0	-
0	0	-	0	-
2,405	764	31.8%	841	35.0%
3,125	285	9.1%	409	13.1%
3,501	702	20.1%	943	26.9%
3,229	487	15.1%	786	24.3%
2,855	916	32.1%	1,346	47.1%
3,180	335	10.5%	960	30.2%
3,429	107	3.1%	1,055	30.8%
3,421	0	0.0%	1,115	32.6%

Program Summary by LOB - Prior Profitability Study Indications

Property - ex Cat Load & Reinsurance Charges

APD

		2013	2014	2015
		Ultimate	Ultimate	Ultimate
PY	GWP	ILAE Ratio	ILAE Ratio	ILAE Ratio
2005	0	-	-	-
2006	0	-	-	-
2007	0	-	-	-
2008	1,046	64.2%	56.6%	50.7%
2009	1,378	8.5%	7.0%	6.2%
2010	1,413	54.3%	29.4%	22.1%
2011	1,261	52.9%	29.3%	13.5%
2012	1,070	59.3%	26.0%	13.2%
2013	1,160	52.0%	30.0%	25.6%
2014	1,321		32.0%	20.7%
2015	1,236			24.0%

	2013	2014	2015
	Ultimate	Ultimate	Ultimate
GWP	ILAE Ratio	ILAE Ratio	ILAE Ratio
0	-	-	-
0	-	-	-
0	-	-	-
388	31.5%	29.4%	29.9%
496	12.9%	11.1%	11.5%
635	37.9%	26.9%	27.6%
586	52.0%	45.2%	44.7%
538	54.0%	42.4%	35.5%
587	50.0%	36.0%	29.7%
609		41.0%	30.5%
718			37.0%

	2013	2014	2015
	Ultimate	Ultimate	Ultimate
GWP	ILAE Ratio	ILAE Ratio	ILAE Ratio
0	-	-	-
0	-	-	-
0	-	-	-
316	24.7%	24.7%	24.7%
401	16.8%	16.7%	16.8%
468	33.2%	32.9%	32.9%
462	13.6%	14.1%	13.6%
455	6.2%	15.2%	14.8%
552	23.0%	10.8%	6.3%
574		16.0%	13.6%
549			16.5%

1		2013	2014	2015
1		Ultimate	Ultimate	Ultimate
	GWP	ILAE Ratio	ILAE Ratio	ILAE Ratio
1	0	-	-	-
	0	-	-	-
	0	-	-	-
1	91	50.4%	50.5%	50.4%
1	128	62.1%	60.9%	62.1%
1	143	70.5%	70.6%	70.5%
1	151	35.0%	35.1%	33.8%
1	115	94.9%	552.2%	578.9%
1	135	61.0%	28.0%	47.5%
1	148		65.0%	59.2%
1	152			62.0%

Total
Casualty

Total Property - ex Cat Load & Reinsurance

All Lines Combined

		2013	2014	2015
		Ultimate	Ultimate	Ultimate
PY	GWP	ILAE Ratio	ILAE Ratio	ILAE Ratio
2005	0	-	-	-
2006	0	-	-	-
2007	0	-	-	-
2008	564	35.5%	0.0%	12.4%
2009	721	27.7%	27.7%	16.6%
2010	841	35.7%	35.7%	23.8%
2011	769	52.0%	39.0%	31.2%
2012	677	59.1%	59.1%	41.3%
2013	747	50.0%	66.9%	52.2%
2014	777		51.0%	55.3%
2015	765			48.0%

	2013	2014	2015
	Ultimate	Ultimate	Ultimate
GWP	ILAE Ratio	ILAE Ratio	ILAE Ratio
0	-	-	-
0	-	-	-
0	-	-	-
1,998	49.8%	35.4%	35.9%
2,595	14.7%	13.6%	10.1%
2,890	45.3%	30.7%	23.8%
2,616	52.4%	35.7%	25.7%
2,285	58.0%	39.7%	26.8%
2,494	50.9%	42.5%	34.6%
2,707	0.0%	39.5%	32.8%
2,719		0.0%	34.2%

	2013	2014	2015
	Ultimate	Ultimate	Ultimate
GWP	ILAE Ratio	ILAE Ratio	ILAE Ratio
0	-	-	-
0	-	-	-
0	-	-	-
407	30.5%	30.5%	30.5%
529	27.7%	27.4%	27.7%
611	41.9%	41.7%	41.7%
613	18.9%	19.3%	18.6%
570	24.1%	123.6%	128.7%
686	30.5%	14.2%	14.4%
722	0.0%	26.0%	23.0%
702		0.0%	26.4%

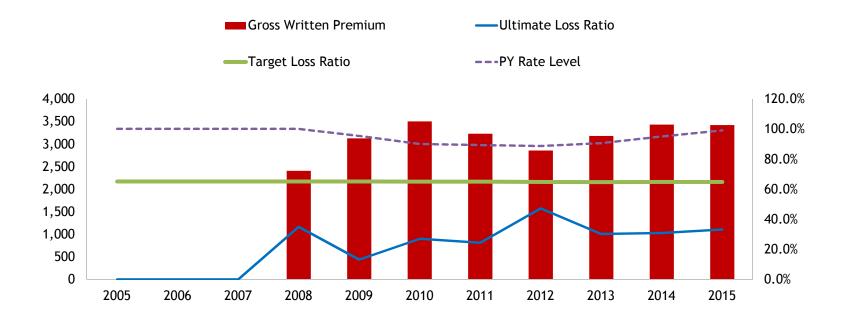
	2013	2014	2015
	Ultimate	Ultimate	Ultimate
GWP	ILAE Ratio	ILAE Ratio	ILAE Ratio
0	-	-	
0	-	-	
0	-	-	
2,405	46.5%	34.5%	35.0%
3,125	16.9%	15.9%	13.19
3,501	44.7%	32.6%	26.9%
3,229	46.1%	32.6%	24.39
2,855	51.2%	56.4%	47.19
3,180	46.5%	36.4%	30.29
3,429	0.0%	36.7%	30.89
3,421		0.0%	32.69

Summary 5a

WNH UtilitySure - Profitability Study
PYG @ 2015/1 (000's omitted)

Total Program Summary

		Loss Ratio		Combined F	Combined Ratio					
PY	GWP	Reported	Ultimate	Target *	Ultimate	BECR	RAP Dollars	Rt Chg	Rt Lvl	Commission
2005	0	0.0%	0.0%	65.0%	68.5%	98.5%	0	0.0%	1.00	#DIV/0!
2006	0	0.0%	0.0%	65.0%	68.5%	98.5%	0	0.0%	1.00	#DIV/0!
2007	0	0.0%	0.0%	65.0%	68.5%	98.5%	0	0.0%	1.00	#DIV/0!
2008	2,405	31.8%	35.0%	65.0%	68.5%	98.5%	477	0.0%	1.00	20.0%
2009	3,125	9.1%	13.1%	65.0%	46.6%	98.5%	1,071	-4.6%	0.95	20.0%
2010	3,501	20.1%	26.9%	65.0%	60.5%	98.5%	879	-5.6%	0.90	20.0%
2011	3,229	15.1%	24.3%	64.9%	57.9%	98.5%	864	-0.8%	0.89	20.0%
2012	2,855	32.1%	47.1%	64.8%	80.8%	98.4%	332	-0.8%	0.89	20.0%
2013	3,180	10.5%	30.2%	64.7%	63.9%	98.4%	724	2.2%	0.91	20.0%
2014	3,429	3.1%	30.8%	64.7%	64.5%	98.4%	769	4.9%	0.95	20.0%
2015	3,421	0.0%	33.1%	64.7%	0.0%	98.4%	2,224	4.3%	0.99	20.0%
Total	25,145	14.3%	29.7%	•	•		7,339	•	•	



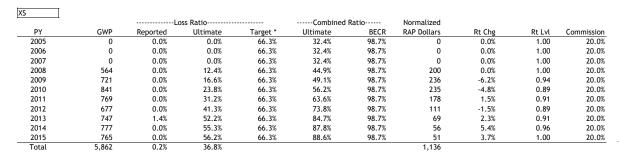
^{*} Target Ratio = 1 - (Expense Ratio) - (AAL) - (XOL) - (Corporate Cat Reinsurance) - (ULE) - (Claim Fees) - (Risk Load)

^{*} Ultimate Loss Ratios exclude modeled cats, ULE, non-machine claims fees and the impact of XOL/corporate cat reinsurance

Program Summary by LOB - Casualty Lines

GL										
		L	oss Ratio		Combined	Ratio	Normalized			
PY	GWP	Reported	Ultimate	Target *	Ultimate	BECR	RAP Dollars	Rt Chg	Rt Lvl	Commission
2005	0	0.0%	0.0%	66.2%	33.0%	99.1%	0	0.0%	1.00	20.0%
2006	0	0.0%	0.0%	66.2%	33.0%	99.1%	0	0.0%	1.00	20.0%
2007	0	0.0%	0.0%	66.2%	33.0%	99.1%	0	0.0%	1.00	20.0%
2008	1,046	50.3%	50.7%	66.2%	83.7%	99.1%	106	0.0%	1.00	20.0%
2009	1,378	6.1%	6.2%	66.2%	39.1%	99.1%	542	-4.1%	0.96	20.0%
2010	1,413	20.3%	22.1%	66.2%	55.1%	99.1%	408	-6.1%	0.90	20.0%
2011	1,261	13.0%	13.5%	66.2%	46.4%	99.1%	436	-2.3%	0.88	20.0%
2012	1,070	5.0%	13.2%	66.2%	46.1%	99.1%	372	-3.4%	0.85	20.0%
2013	1,160	13.3%	25.6%	66.2%	58.6%	99.1%	308	0.4%	0.85	20.0%
2014	1,321	2.5%	20.7%	66.2%	53.7%	99.1%	394	4.2%	0.89	20.0%
2015	1,236	0.0%	20.8%	66.2%	53.8%	99.1%	368	3.3%	0.92	20.0%
Total	9,885	13.2%	20.9%				2,934			

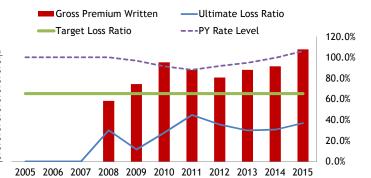
AL										
		Loss Ratio			Combined	Ratio	Normalized			
PY	GWP	Reported	Ultimate	Target *	Ultimate	BECR	RAP Dollars	Rt Chg	Rt Lvl	Commission
2005	0	0.0%	0.0%	65.2%	32.9%	98.1%	0	0.0%	1.00	20.0%
2006	0	0.0%	0.0%	65.2%	32.9%	98.1%	0	0.0%	1.00	20.0%
2007	0	0.0%	0.0%	65.2%	32.9%	98.1%	0	0.0%	1.00	20.0%
2008	388	29.1%	29.9%	65.2%	62.8%	98.1%	91	0.0%	1.00	20.0%
2009	496	11.1%	11.5%	65.2%	44.4%	98.1%	177	-3.1%	0.97	20.0%
2010	635	25.3%	27.6%	65.2%	60.4%	98.1%	158	-5.6%	0.91	20.0%
2011	586	35.8%	44.7%	65.2%	77.6%	98.1%	79	-3.8%	0.88	20.0%
2012	538	25.1%	35.5%	65.2%	68.4%	98.1%	106	4.2%	0.92	20.0%
2013	587	12.4%	29.7%	65.2%	62.6%	98.1%	138	3.5%	0.95	20.0%
2014	609	0.7%	30.5%	65.2%	63.3%	98.1%	140	4.9%	1.00	20.0%
2015	718	0.0%	36.8%	65.2%	69.6%	98.1%	135	6.6%	1.06	20.0%
Total	4,557	16.5%	31.3%				1,024			

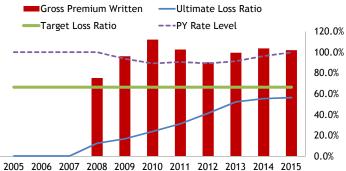




^{*} Ultimate Loss Ratios exclude modeled cats, ULE, non-machine claims fees and the impact of XOL/corporate cat reinsurance





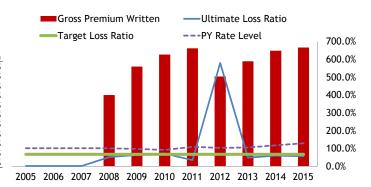


Program Summary by LOB - Property Lines

Property										
		L	oss Ratio		Combined	Ratio	Normalized			
PY	GWP	Reported	Ultimate	Target *	Ultimate	BECR	RAP Dollars	Rt Chg	Rt Lvl	Commission
2005	0	0.0%	0.0%	58.4%	38.4%	96.8%	0	0.0%	1.00	20.0%
2006	0	0.0%	0.0%	58.4%	38.4%	96.8%	0	0.0%	1.00	20.0%
2007	0	0.0%	0.0%	58.4%	38.4%	96.8%	0	0.0%	1.00	20.0%
2008	316	24.9%	24.7%	58.4%	63.2%	96.8%	71	0.0%	1.00	20.0%
2009	401	16.9%	16.8%	58.4%	55.2%	96.8%	112	-5.8%	0.94	20.0%
2010	468	32.9%	32.9%	58.4%	71.3%	96.8%	80	-5.6%	0.89	20.0%
2011	462	13.6%	13.6%	58.4%	52.1%	96.8%	139	-1.5%	0.88	20.0%
2012	455	14.8%	14.8%	58.4%	53.2%	96.8%	133	2.3%	0.90	20.0%
2013	552	6.3%	6.3%	58.4%	44.7%	96.8%	193	4.6%	0.94	20.0%
2014	574	5.3%	13.6%	58.4%	52.1%	96.8%	172	4.4%	0.98	20.0%
2015	549	0.0%	17.9%	58.4%	56.3%	96.8%	150	2.7%	1.00	20.0%
Total	3,778	13.1%	17.0%				1,051			

APD										
		Lo	oss Ratio		Combined	Ratio	Normalized			
PY	GWP	Reported	Ultimate	Target *	Ultimate	BECR	RAP Dollars	Rt Chg	Rt Lvl	Commission
2005	0	0.0%	0.0%	65.7%	32.2%	97.9%	0	0.0%	1.00	20.0%
2006	0	0.0%	0.0%	65.7%	32.2%	97.9%	0	0.0%	1.00	20.0%
2007	0	0.0%	0.0%	65.7%	32.2%	97.9%	0	0.0%	1.00	20.0%
2008	91	50.6%	50.4%	65.7%	82.6%	97.9%	9	0.0%	1.00	20.0%
2009	128	61.7%	62.1%	65.7%	94.3%	97.9%	3	-3.1%	0.97	20.0%
2010	143	70.5%	70.5%	65.7%	102.7%	97.9%	-5	-5.6%	0.91	20.0%
2011	151	33.8%	33.8%	65.7%	66.0%	97.9%	32	18.7%	1.09	20.0%
2012	115	573.8%	578.9%	65.7%	611.1%	97.9%	-392	-5.0%	1.03	20.0%
2013	135	46.6%	47.5%	65.7%	79.7%	97.9%	16	1.3%	1.04	20.0%
2014	148	26.8%	59.2%	65.7%	91.4%	97.9%	6	11.8%	1.17	20.0%
2015	152	0.0%	55.2%	65.7%	87.4%	97.9%	11	9.9%	1.28	20.0%
Total	1,063	97.8%	110.9%				-319			





^{*} Target Ratio = 1 - (Expense Ratio) - (AAL) - (XOL) - (Corporate Cat Reinsurance) - (ULE) - (Claim Fees) - (Risk Load)

^{*} Ultimate Loss Ratios <u>exclude</u> modeled cats, ULE, non-machine claims fees and the impact of XOL/corporate cat reinsurance

GL

Rate Need Indications

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Before 2015			After 2015		
			Rate Change	Before 2015		Rate Change		
	Target		PY 2015	Rate Change	PY 2015	PY 2015	PY 2016	
	Combined	Target	Ultimate	PY 2015	Rate	Ultimate	Ultimate	PY 2016
	Ratio	ILAE Ratio	ILAE Ratio	Rate Need	Achieved	ILAE Ratio	ILAE Ratio	Rate Need
RAP Neutral:	99.1%	67.2%	25.8%	-58.5%	3.3%	25.0%	25.9%	-58.4%

Expense Ratio calculated as follows:

Commission:	20.0%
Prem Tax:	3.2%
Other Acquisition Fees:	1.0%
Direct Expense:	3.5%
Indirect Expense:	4.2%
	32.0%

- (1) =[1 (Calculated RAP)]
- (2) = [(1) (Total Expense)]
- $(3) = (6) \times [1 + (5)]$
- (4) = [(3) + (Direct Expense)] / [(2) + (Direct Expense)] 1
- (5) = Input
- (6) = Exhibit 3
- $(7) = (6) \times [1 + (Trend)]$
- (8) = [(7) + (Direct Expense)] / [(2) + (Direct Expense)] 1

GL

Reported Incurred Loss & LAE Ratios

PY	GWP	3	15	27	39	51	63	75	87	99	111	123	@ 2015/1
2005	0	-	-	-	-	-	-	-	-	-	-	-	-
2006	0	-	-	-	-	-	-	-	-	-	-		-
2007	0	-	-	-	-	-	-	-	-	-			-
2008	1,046	0.0%	3.7%	48.1%	48.9%	50.0%	50.1%	50.3%	50.3%				50.3%
2009	1,378	0.0%	8.4%	11.9 %	6.1%	6.1%	6.1%	6.1%					6.1%
2010	1,413	0.0%	7.2%	15.9%	21.5%	21.0%	20.3%						20.3%
2011	1,261	0.0%	2.8%	6.0%	12.5%	13.0%							13.0%
2012	1,070	0.0%	1.5%	4.2%	5.0%								5.0%
2013	1,160	0.0%	3.4%	13.3%									13.3%
2014	1,321	0.0%	2.5%										2.5%
2015	1,236	0.0%											0.0%

Reported Paid Loss & LAE Ratios

PY	GWP	3	15	27	39	51	63	75	87	99	111	123	@ 2015/1
2005	0	-	-	-	-	-	-	-	-	-	-	-	-
2006	0	-	-	-	-	-	-	-	-	-	-		-
2007	0	-	-	-	-	-	-	-	-	-			-
2008	1,046	0.0%	0.8%	48.0%	48.9%	50.0%	50.0%	50.3%	50.3%				50.3%
2009	1,378	0.0%	1.3%	5.7%	6.1%	6.1%	6.1%	6.1%					6.1%
2010	1,413	0.0%	2.6%	9.1%	20.7%	20.3%	20.3%						20.3%
2011	1,261	0.0%	2.0%	5.9%	6.7%	9.3%							9.3%
2012	1,070	0.0%	0.9%	3.8%	5.0%								5.0%
2013	1,160	0.0%	2.9%	11.3%									11.3%
2014	1,321	0.0%	1.6%										1.6%
2015	1,236	0.0%											0.0%

GL

Indexing - PY 2015 Ultimate Loss & LAE Selection

		Annual PY	Cumulative	On-Level
PY	GWP	Rate Chg	PY Rate Chg	GWP
2005	0	0.0%	1.000	
2006	0	0.0%	1.000	-
2007	0	0.0%	1.000	-
2008	1,046	0.0%	1.000	961
2009	1,378	-4.1%	0.959	1,320
2010	1,413	-6.1%	0.901	1,441
2011	1,261	-2.3%	0.880	1,316
2012	1,070	-3.4%	0.850	1,156
2013	1,160	0.4%	0.853	1,249
2014	1,321	4.2%	0.889	1,365
2015	1,236	3.3%	0.919	1,236
		0.0%	0.919	
			All Yr Wtd ex	xcl 2015:
			Last 7 Wtd ex	xcl 2015:
			Last 5 Wtd ex	xcl 2015:
			Last 3 Wtd ex	xcl 2015:
			Selected L	Jltimate:
				ILF:
			Policy Limits L	Iltimate:

Policy Limits		
	3.5%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
ILAE RALIO		ILAE RALIO
-	1.411	-
-	1.363	-
-	1.317	-
50.7%	1.272	70.2%
6.2%	1.229	7.9%
22.1%	1.188	25.8%
13.5%	1.148	14.8%
13.2%	1.109	13.5%
25.6%	1.071	25.5%
20.7%	1.035	20.7%
20.8%	1.000	20.8%
		23.9%
		23.9%
		20.3%
		20.1%
		21.0%
	_	1.00
		21.0%
Weight:		11%

Capped @ 250k			
	3.3%	On-Level	
Ultimate	Trend to	Ultimate	
ILAE Ratio	PY 2015	ILAE Ratio	Ĺ
-	1.377	-	
-	1.334	-	
-	1.292	-	
40.1%	1.251	54.6%	
6.2%	1.212	7.8%	
21.6%	1.173	24.9%	
12.9%	1.136	14.0%	
10.3%	1.101	10.5%	
21.2%	1.066	21.0%	
15.9%	1.033	15.8%	
16.3%	1.000	16.3%	
		20.1%	
		20.1%	
		17.5%	
		15.9%	
		18.0%	
		1.28	
		23.1%	
		44%	
		_	

Capped @ 100k		
	3.0%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
-	1.344	-
-	1.305	-
-	1.267	-
25.7%	1.230	34.4%
6.1%	1.194	7.6%
18.9%	1.159	21.5%
12.5%	1.126	13.5%
9.4%	1.093	9.5%
19.5%	1.061	19.2%
13.4%	1.030	13.4%
13.6%	1.000	13.6%
		16.5%
		16.5%
		15.6%
		14.1%
		16.0%
	· <u>-</u>	1.59
		25.5%
		44%
oguanay/Savarity Ind	dications	24.0%

Frequency/Severity Indication: 24.0%

Weighted Average: 23.9% PY 2015 Selected: 24.0%

Adjustment: 0.0%

PY 2015: 24.0%

ULE: 1.0%
Claims Fees: 0.0%
te ILAE Ratio: 25.0%

PY 2015 Ultimate ILAE Ratio:

^{*} Averages exclude PY 2015

GL

<u>Large Losses - Incurred + Legal > 100k</u>

PY	DSP	Policy #	Case #	DOL	Insured	Ind Paid	Ind OS	Legal I+	+Legal	Acc State	Description
2008	2-2-50	5849519	6162	5/18/200	9 Upper Cumberland G	355	0	11	366 T	ennessee	Ironwood WAS Digging A Trench And Stru
2010	2-2-54	9659162	9377	5/25/201	0 Martin GAS, Inc	100	0	35	135 K	entucky	Clmt Suffered Severly And Permanently

AL

Rate Need Indications

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Before 2015			After 2015		
			Rate Change	Before 2015		Rate Change		
	Target		PY 2015	Rate Change	PY 2015	PY 2015	PY 2016	
	Combined	Target	Ultimate	PY 2015	Rate	Ultimate	Ultimate	PY 2016
	Ratio	ILAE Ratio	ILAE Ratio	Rate Need	Achieved	ILAE Ratio	ILAE Ratio	Rate Need
RAP Neutral:	98.1%	66.2%	40.5%	-36.9%	6.6%	38.0%	39.5%	-38.3%

Expense Ratio calculated as follows:

Commission:	20.0%
Prem Tax:	3.2%
Other Acquisition Fees:	1.0%
Direct Expense:	3.4%
Indirect Expense:	4.2%
	31.9%

- (1) =[1 (Calculated RAP)]
- (2) = [(1) (Total Expense)]
- $(3) = (6) \times [1 + (5)]$
- (4) = [(3) + (Direct Expense)] / [(2) + (Direct Expense)] 1
- (5) = Input
- (6) = Exhibit 3
- $(7) = (6) \times [1 + (Trend)]$
- (8) = [(7) + (Direct Expense)] / [(2) + (Direct Expense)] 1

ΑL

Reported Incurred Loss & LAE Ratios

PY	GWP	3	15	27	39	51	63	75	87	99	111	123	@ 2015/1
2005	0	-	-	-	-	-	-	-	-	-	-	-	
2006	0	-	-	-	-	-	-	-	-	-	-		-
2007	0	-	-	-	-	-	-	-	-	-			-
2008	388	0.0%	9.9%	26.6%	29.1%	29.1%	29.1%	29.1%	29.1%				29.1%
2009	496	0.0%	6.9%	12.0%	11.1%	11.1%	11.1%	11.1%					11.1%
2010	635	0.0%	8.1%	22.2%	22.4%	24.4%	25.3%						25.3%
2011	586	0.0%	4.3%	27.8%	35.4%	35.8%							35.8%
2012	538	0.0%	10.7%	21.0%	25.1%								25.1%
2013	587	0.7%	7.0%	12.4%									12.4%
2014	609	0.3%	0.7%										0.7%
2015	718	0.0%											0.0%

Reported Paid Loss & LAE Ratios

PY	GWP	3	15	27	39	51	63	75	87	99	111	123	@ 2015/1
2005	0	-	-	-	-	-	-	-	-	-	-	-	
2006	0	-	-	-	-	-	-	-	-	-	-		-
2007	0	-	-	-	-	-	-	-	-	-			-
2008	388	0.0%	3.6%	11.1%	21.4%	29.1 %	29.1 %	29.1%	29.1%				29.1%
2009	496	0.0%	4.1%	11.0%	11.1%	11.1%	11.1%	11.1%					11.1%
2010	635	0.0%	6.3%	18.1%	20.5%	21.2%	25.3%						25.3%
2011	586	0.0%	3.7%	14.5%	35.4%	35.8%							35.8%
2012	538	0.0%	8.9%	15.5%	21.1%								21.1%
2013	587	0.7%	3.2%	12.0%									12.0%
2014	609	0.1%	0.7%										0.7%
2015	718	0.0%											0.0%

ΑL

Indexing - PY 2015 Ultimate Loss & LAE Selection

		Annual PY	Cumulative	On-Level
PY	GWP	Rate Chg	PY Rate Chg	GWP
2005	0	0.0%	1.000	-
2006	0	0.0%	1.000	-
2007	0	0.0%	1.000	-
2008	388	0.0%	1.000	411
2009	496	-3.1%	0.969	543
2010	635	-5.6%	0.915	737
2011	586	-3.8%	0.880	706
2012	538	4.2%	0.917	622
2013	587	3.5%	0.949	657
2014	609	4.9%	0.995	650
2015	718	6.6%	1.061	718
			1.061	
			All Yr Wtd e	xcl 2015:
			Last 7 Wtd ex	xcl 2015:
			Last 5 Wtd ex	xcl 2015:
			Last 3 Wtd ex	xcl 2015:
			Selected L	
				ILF:
			Policy Limits L	Iltimate:

Policy Limits		
	4.0%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
-	1.480	-
-	1.423	-
-	1.369	-
29.9%	1.316	37.1%
11.5%	1.265	13.3%
27.6%	1.217	28.9%
44.7%	1.170	43.4%
35.5%	1.125	34.5%
29.7%	1.082	28.8%
30.5%	1.040	29.7%
36.8%	1.000	36.8%
		31.0%
		31.0%
		33.1%
		31.0%
	Г	31.0%
		1.00
		31.0%
Weight:		7%

Capped @ 250k			
	3.5%	On-Level	
Ultimate	Trend to	Ultimate	
ILAE Ratio	PY 2015	ILAE Ratio	
-	1.411	-	
-	1.363	-	
-	1.317	-	
29.4%	1.272	35.3%	
11.1%	1.229	12.4%	
26.9%	1.188	27.6%	
41.8%	1.148	39.8%	
31.4%	1.109	30.1%	
26.3%	1.071	25.2%	
25.2%	1.035	24.4%	
30.6%	1.000	30.6%	
		28.0%	
		28.0%	
		29.6%	
		26.5%	
	Ī	28.0%	
		1.31	
		36.6% 47%	L
		4/%	

Capped @ 100k		
	3.0%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
-	1.344	-
-	1.305	-
-	1.267	-
29.4%	1.230	34.1%
11.1%	1.194	12.1%
26.9%	1.159	26.9%
33.3%	1.126	31.1%
27.7%	1.093	26.2%
21.2%	1.061	20.1%
19.9%	1.030	19.2%
24.5%	1.000	24.5%
		24.1%
		24.1%
		24.9%
		21.8%
	ı	24.0%
		1.59
		38.2% 47%
oguanau/Covaritu	l., di.,	4/% 24.2%

* Averages Exclude PY 2015

Frequency/Severity Indication: 36.3%

Weighted Average: 37.0% PY 2015 Selected: 37.0%

> Adjustment: 0.0%

> > PY 2015: 37.0%

ULE: 1.0% Claims Fees: 0.0% 38.0%

PY 2015 Ultimate ILAE Ratio:

AL

<u>Large Losses - Incurred + Legal > 100k</u>

PY	DSP	Policy #	Case #	DOL	Insured	Ind Paid	Ind OS	Legal	I+Legal	Acc State	Description
2011	2-2-50	5847344	580	6/20/201	2 Sevier County Util	120	0	6		ennessee	Employee Stopped Stop Sign Attempted T

Property

Rate Need Indications

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Before 2015			After 2015		
			Rate Change	Before 2015		Rate Change		
	Target		PY 2015	Rate Change	PY 2015	PY 2015	PY 2016	
	Combined	Target	Ultimate	PY 2015	Rate	Ultimate	Ultimate	PY 2016
	Ratio	ILAE Ratio	ILAE Ratio	Rate Need	Achieved	ILAE Ratio	ILAE Ratio	Rate Need
RAP Neutral:	96.8%	65.4%	24.2%	-60.4%	2.7%	23.5%	23.5%	-61.3%

Expense Ratio calculated as follows:

Commission:	20.0%
Prem Tax:	3.2%
Other Acquisition Fees:	1.0%
Reinsurance:	0.0%
Direct Expense:	2.9%
Indirect Expense:	4.2%
	31.4%

- (1) =[1 (Calculated RAP)]
- (2) = [(1) (Total Expense)]
- $(3) = (6) \times [1 + (5)]$
- (4) = [(3) + (Direct Expense)] / [(2) + (Direct Expense)] 1
- (5) = Input
- (6) = Exhibit 3
- $(7) = (6) \times [1 + (Trend)]$
- (8) = [(7) + (Direct Expense)] / [(2) + (Direct Expense)] 1

Property

Reported Incurred Loss & LAE Ratios

PY	GWP	3	15	27	39	51	63	75	87	99	111	123	@ 2015/1
2005	0	-	-	-	-	-	-	-	-	-	-	-	
2006	0	-	-	-	-	-	-	-	-	-	-		-
2007	0	-	-	-	-	-	-	-	-	-			-
2008	316	0.0%	0.9%	24.9%	24.9%	24.9%	24.9%	24.9%	24.9%				24.9%
2009	401	0.0%	14.4%	16.9%	16.9%	16.9%	16.9%	16.9%					16.9%
2010	468	0.0%	4.0%	32.9%	32.9%	32.9%	32.9%						32.9%
2011	462	0.0%	11.6%	13.6%	13.6%	13.6%							13.6%
2012	455	0.0%	3.5%	13.9%	14.8%								14.8%
2013	552	0.0%	2.6%	6.3%									6.3%
2014	574	0.0%	5.3%										5.3%
2015	549	0.0%											0.0%

Reported Incurred Loss & LAE Ratios - Including Modeled Cats

PY	GWP	3	15	27	39	51	63	75	87	99	111	123	@ 2015/1
2005	0	-	-	-	-	-	-	-	-	-	-	-	-
2006	0	-	-	-	-	-	-	-	-	-	-		-
2007	0	-	-	-	-	-	-	-	-	-			-
2008	316	0.0%	0.9%	24.9%	24.9%	24.9%	24.9%	24.9%	24.9%				24.9%
2009	401	0.0%	14.4%	16.9%	16.9%	16.9%	16.9%	16.9%					16.9%
2010	468	0.0%	4.0%	32.9%	32.9%	32.9%	32.9%						32.9%
2011	462	0.0%	11.6%	20.3%	20.3%	20.3%							20.3%
2012	455	0.0%	3.5%	13.9%	14.8%								14.8%
2013	552	0.0%	2.6%	6.3%									6.3%
2014	574	0.0%	5.3%										5.3%
2015	549	0.0%											0.0%

Property

Indexing - PY 2015 Ultimate Loss & LAE Selection

		Annual PY	Cumulative	On-Level
PY	GWP	Rate Chg	PY Rate Chg	GWP
2005	0	0.0%	1.000	
2006	0	0.0%	1.000	-
2007	0	0.0%	1.000	-
2008	316	0.0%	1.000	317
2009	401	-5.8%	0.942	428
2010	468	-5.6%	0.889	529
2011	462	-1.5%	0.876	530
2012	455	2.3%	0.896	510
2013	552	4.6%	0.937	592
2014	574	4.4%	0.978	589
2015	549	2.7%	1.004	549
		0.0%	1.004	
			All Yr Wtd ex	xcl 2015:
			Last 7 Wtd ex	kcl 2015:
			Last 5 Wtd ex	kcl 2015:
			Last 3 Wtd ex	kcl 2015:
			Selected L	Iltimate:
				ILF:
			Policy Limits L	Iltimate:

Policy Limits			Capped @ 1M
	0.0%	On-Level	
Ultimate	Trend to	Ultimate	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio	ILAE Ratio
-	1.000	-	-
-	1.000	-	-
-	1.000	-	-
24.7%	1.000	24.6%	24.7%
16.8%	1.000	15.8%	16.8%
32.9%	1.000	29.1%	32.9%
13.6%	1.000	11.9%	13.6%
14.8%	1.000	13.2%	14.8%
6.3%	1.000	5.9%	6.3%
13.6%	1.000	13.3%	11.8%
17.9%	1.000	17.9%	15.9%
		15.5%	
		15.5%	
		14.4%	
		10.7%	
		15.0%	
	<u>L</u>	1.00	
		15.0%	
Weight:		5%	

			capped @ IM
l			
1	On-Level	0.0%	
l	Ultimate	Trend to	Ultimate
	ILAE Ratio	PY Rate Chg	ILAE Ratio
1	-	1.000	-
	-	1.000	-
ı	-	1.000	-
ł	24.6%	1.000	24.7%
ł	15.8%	1.000	16.8%
l	29.1%	1.000	32.9%
ł	11.9%	1.000	13.6%
l	13.2%	1.000	14.8%
l	5.9%	1.000	6.3%
ł	11.5%	1.000	11.8%
ı	15.9%	1.000	15.9%
l	15.2%		
l	15.2%		
l	14.1%		
ı	10.1%		
l			
]	14.0%		
1	1.14	<u> </u>	
l	16.0%		
	32%		

Capped @ 250k		
	0.0%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
-	1.000	-
-	1.000	-
-	1.000	-
24.7%	1.000	24.6%
16.8%	1.000	15.8%
32.9%	1.000	29.1%
13.6%	1.000	11.9%
14.8%	1.000	13.2%
6.3%	1.000	5.9%
11.8%	1.000	11.5%
13.9%	1.000	13.9%
		15.2%
		15.2%
		14.1%
		10.1%
	_	
		13.0%
		1.35
		17.6%
	•	32%

Capped @ 100k		
	0.0%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
-	1.000	-
-	1.000	-
-	1.000	-
24.7%	1.000	24.6%
16.8%	1.000	15.8%
32.4%	1.000	28.7%
13.6%	1.000	11.9%
14.8%	1.000	13.2%
6.3%	1.000	5.9%
10.0%	1.000	9.7%
9.9%	1.000	9.9%
		14.9%
		14.9%
		13.6%
		9.4%
		11.0%
		1.70
		18.7%
		32%
ioncy/Soverity In	dication:	14.8%

* Averages exclude PY 2015

Frequency/Severity Indication: 14.8%
Weighted Average: 17.3%
PY 2015 Selected: 16.5%

Adjustment: 0.0%

PY 2015: 16.5%

All Year Avg Empirical Cat Load: 0.8%
Program Specific AAL Cat Load: 4.2%
Selected Cat Load: 4.2%

Corporate Cat Load. 4.2%

XOL Loss Cost: 1.9%

Indicated XOL Cost: 0.0%

ULE: 1.0% Claims Fees: 0.0%

PY 2015 Ultimate ILAE Ratio Including AAL Cat Load and Cost of Reinsurance: 23.5%

Property

<u>Large Losses - Incurred + Legal > 100k</u>

PY	DSP	Cat #	Policy #	Case #	DOL Insured	Ind Paid	Ind OS	Legal	I+Legal	Acc State	Description
2010	2-2-50		5849650	1108	4/16/2011 Powell Clinch Util	100	0	4	105	Tennessee	Water Damage DUE To CUT Water Line

APD

Rate Need Indications

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Before 2015			After 2015		
			Rate Change	Before 2015		Rate Change		
	Target		PY 2015	Rate Change	PY 2015	PY 2015	PY 2016	
	Combined	Target	Ultimate	PY 2015	Rate	Ultimate	Ultimate	PY 2016
	Ratio	ILAE Ratio	ILAE Ratio	Rate Need	Achieved	ILAE Ratio	ILAE Ratio	Rate Need
RAP Neutral:	97.9%	66.7%	69.2%	3.6%	9.9%	63.0%	63.0%	-5.2%

Expense Ratio calculated as follows:

Commission:	20.0%
Prem Tax:	3.2%
Other Acquisition Fees:	1.0%
Direct Expense:	3.6%
Indirect Expense:	3.4%
•	31.2%

- (1) =[1 (Calculated RAP)]
- (2) = [(1) (Total Expense)]
- $(3) = (6) \times [1 + (5)]$
- (4) = [(3) + (Direct Expense)] / [(2) + (Direct Expense)] 1
- (5) = Input
- (6) = Exhibit 3
- $(7) = (6) \times [1 + (Trend)]$
- (8) = [(7) + (Direct Expense)] / [(2) + (Direct Expense)] 1

APD

Reported Incurred Loss & LAE Ratios

PY	GWP	3	15	27	39	51	63	75	87	99	111	123	@ 2015/1
2005	0	-	-	-	-	-	-	-	-	-	-	-	-
2006	0	-	-	-	-	-	-	-	-	-	-		-
2007	0	-	-	-	-	-	-	-	-	-			-
2008	91	0.0%	29.9%	50.4%	50.6%	50.6%	50.6%	50.6%	50.6%				50.6%
2009	128	2.8%	39.6%	61.7%	61.7%	61.7%	61.7%	61.7%					61.7%
2010	143	1.8%	42.7%	72.9 %	70.5%	70.5%	70.5%						70.5%
2011	151	0.0%	14.6%	34.9%	34.9%	33.8%							33.8%
2012	115	0.0%	75.6 %	228.3%	573.8%								573.8%
2013	135	0.0%	13.1%	46.6%									46.6%
2014	148	10.9%	26.8%										26.8%
2015	152	0.0%											0.0%

APD

Indexing - PY 2015 Ultimate Loss & LAE Selection

		Annual PY	Cumulative	On-Level
PY	GWP	Rate Chg	PY Rate Chg	GWP
2005	0	0.0%	1.000	-
2006	0	0.0%	1.000	-
2007	0	0.0%	1.000	-
2008	91	0.0%	1.000	117
2009	128	-3.1%	0.969	169
2010	143	-5.6%	0.915	201
2011	151	18.7%	1.086	179
2012	115	-5.0%	1.031	143
2013	135	1.3%	1.044	165
2014	148	11.8%	1.168	163
2015	152	9.9%	1.283	152
		0.0%	1.283	
			All Yr Wtd e	xcl 2015:
			Last 7 Wtd ex	xcl 2015:
			Last 5 Wtd ex	xcl 2015:
			Last 3 Wtd e	xcl 2015:
		Freque	ncy/Severity In	dication:

Policy Limits		
	0.0%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
-	1.000	-
-	1.000	-
-	1.000	-
50.4%	1.000	39.3%
62.1%	1.000	46.9%
70.5%	1.000	50.3%
33.8%	1.000	28.6%
578.9%	1.000	465.0%
47.5%	1.000	38.6%
59.2%	1.000	53.8%
55.2%	1.000	55.2%
		96.3%
		96.3%
		114.0%
		173.5%
		65.0%

PY 2015 Selected: 62.0%

Adjustment: 0.0%

PY 2015: 62.0%

ULE: 1.0%

Claims Fees: 0.0%

PY 2015 Ultimate ILAE Ratio: 63.0%

^{*} Averages Exclude PY 2015

APD

<u>Large Losses - Incurred + Legal > 100k</u>

PY	DSP	Cat #	Policy #	Case #	DOL	Insured	Ind Paid	Ind OS	Legal	I+Legal	Acc State	Description
2012	2-2-50		6144043	1888	4/11/201	2 Austell Natural GA	500	0	67	567	Georgia	Insured Vehicle WAS Rear Ended By Othe

Excess Liability

Rate Need Indications

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Before 2015			After 2015		
			Rate Change	Before 2015		Rate Change		
	Target		PY 2015	Rate Change	PY 2015	PY 2015	PY 2016	
	Combined	Target	Ultimate	PY 2015	Rate	Ultimate	Ultimate	PY 2016
	Ratio	ILAE Ratio	ILAE Ratio	Rate Need	Achieved	ILAE Ratio	ILAE Ratio	Rate Need
RAP Neutral:	98.7%	67.3%	64.8%	-3.5%	3.7%	62.5%	65.6%	-2.4%

Expense Ratio calculated as follows:

Commission:	20.0%
Prem Tax:	3.2%
Other Acquisition Fees:	1.0%
Direct Expense:	3.0%
Indirect Expense:	4.2%
	31.4%

- (1) =[1 (Calculated RAP)]
- (2) = [(1) (Total Expense)]
- $(3) = (6) \times [1 + (5)]$
- (4) = [(3) + (Direct Expense)] / [(2) + (Direct Expense)] 1
- (5) = Input
- (6) = Exhibit 3
- $(7) = (6) \times [1 + (Trend)]$
- (8) = [(7) + (Direct Expense)] / [(2) + (Direct Expense)] 1

Excess Liability

Reported Incurred Loss & LAE Ratios

PY	GWP	3	15	27	39	51	63	75	87	99	111	123	@ 2015/1
2005	0	-	-	-	-	-	-	-	-	-	-	-	-
2006	0	-	-	-	-	-	-	-	-	-	-		-
2007	0	-	-	-	-	-	-	-	-	-			-
2008	564	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				0.0%
2009	721	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					0.0%
2010	841	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%						0.0%
2011	769	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
2012	677	0.0%	0.0%	0.0%	0.0%								0.0%
2013	747	0.0%	0.0%	1.4%									1.4%
2014	777	0.0%	0.0%										0.0%
2015	765	0.0%											0.0%

Reported Paid Loss & LAE Ratios

PY	GWP	3	15	27	39	51	63	75	87	99	111	123	@ 2015/1
2005	0	-	-	-	-	-	-	-	-	-	-	-	
2006	0	-	-	-	-	-	-	-	-	-	-		-
2007	0	-	-	-	-	-	-	-	-	-			-
2008	564	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				0.0%
2009	721	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%					0.0%
2010	841	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%						0.0%
2011	769	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
2012	677	0.0%	0.0%	0.0%	0.0%								0.0%
2013	747	0.0%	0.0%	0.5%									0.5%
2014	777	0.0%	0.0%										0.0%
2015	765	0.0%											0.0%

WNH UtilitySure - Profitability Study PYG @ 2015/1 (000's omitted)

Excess Liability

Indexing - PY 2015 Ultimate Loss & LAE Selection

		Annual PY	Cumulative	On-Level
PY	GWP	Rate Chg	PY Rate Chg	GWP
2005	0	0.0%	1.000	-
2006	0	0.0%	1.000	-
2007	0	0.0%	1.000	-
2008	564	0.0%	1.000	563
2009	721	-6.2%	0.938	768
2010	841	-4.8%	0.892	941
2011	769	1.5%	0.906	848
2012	677	-1.5%	0.892	758
2013	747	2.3%	0.913	817
2014	777	5.4%	0.963	806
2015	765	3.7%	0.999	765
			All Yr Wtd ex	kcl 2015:
			Last 7 Wtd ex	kcl 2015:
			Last 5 Wtd ex	kcl 2015:
			Last 3 Wtd ex	kcl 2015:
			Selected L	Jltimate: ILF:
		С	apped @ \$10M L	Iltimate:

Capped @ \$10M		
	5.0%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
-	1.629	-
-	1.551	-
-	1.477	-
12.4%	1.407	17.5%
16.6%	1.340	20.9%
23.8%	1.276	27.1%
31.2%	1.216	34.4%
41.3%	1.158	42.8%
52.2%	1.103	52.6%
55.3%	1.050	56.0%
56.2%	1.000	56.2%
		36.6%
		36.6%
		42.0%
		50.6%
		50.0%
		1.00
		50.0%
Weight:		7%

Capped @ 2M		
	4.5%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
-	1.553	-
-	1.486	-
-	1.422	-
7.1%	1.361	9.7%
9.7%	1.302	11.9%
13.1%	1.246	14.6%
16.9%	1.193	18.3%
23.6%	1.141	24.1%
32.1%	1.092	32.1%
34.7%	1.045	35.0%
36.6%	1.000	36.6%
		21.2%
		21.2%
		24.4%
		30.5%
	Г	30.0%
	L	1.67
		50.2% 46%
		40% Fre

Capped @ 1M		
	4.0%	On-Level
Ultimate	Trend to	Ultimate
ILAE Ratio	PY 2015	ILAE Ratio
-	1.480	-
-	1.423	-
-	1.369	-
3.5%	1.316	4.7%
5.5%	1.265	6.6%
7.1%	1.217	7.8%
10.4%	1.170	11.0%
14.8%	1.125	14.8%
21.4%	1.082	21.2%
23.2%	1.040	23.2%
23.5%	1.000	23.5%
		13.0%
		13.0%
		15.3%
		19.9%
		20.0%
	<u> </u>	2.53
		50.7%
		46%
eauency/Severity In	45.0%	

* Averages exclude PY 2015

Frequency/Severity Indication: 45.0% Weighted Average: 50.4%

PY 2015 Selected - Capped @ \$10M: 48.0%

> 0.0% Adjustment:

PY 2015 - Capped @ \$10M: 48.0%

ILF: 1.000 Catastrophe/Latency Load: 5.0%

1.0%

PY 2015 Ultimate ILAE Ratio: 54.0%

> 8% Credibility:

Complement of Credibility: 63.2% 62.5%

Credibility Weighted PY 2015 Ultimate ILAE Ratio:

1/1/2003 to 6/30/2014

Division 66 - Programs Umbrella Policies effective from Policies booked through 6/30/2014 Thousands Omitted

Program:

WNH UtilitySure

Limit Profile - Based on PY Written Premium

Occ Limit	PY>	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Total
100,000		-	-	-	-	-	-	-	-	-	-	-	-	-
500,000		-	-	-	-	-	-	-	-	-	-	-	-	-
900,000		-	-	-	-	-	-	-	-	-	-	-	-	-
1,000,000		-	-	-	-	-	34,105	41,544	53,253	60,292	51,746	60,467	24,669	326,076
1,500,000		-	-	-	-	-	-	-	-	-	-	-	-	-
2,000,000		-	-	-	-	-	16,975	12,296	23,645	43,163	40,039	21,494	9,448	167,060
2,500,000		-	-	-	-	-	-	-	-	-	-	-	-	-
3,000,000		-	-	-	-	-	5,011	21,413	15,053	24,846	24,218	23,838	9,324	123,703
3,500,000		-	-	-	-	-	-	-	-	-	-	-	-	-
4,000,000		-	-	-	-	-	27,837	12,762	15,991	64,659	61,064	63,813	5,555	251,681
4,500,000		-	-	-	-	-	-	-	-	-	-	-	-	-
5,000,000		-	-	-	-	-	46,262	88,441	52,390	152,724	149,087	157,379	53,857	700,140
5,500,000		-	-	-	-	-	-	-	-	-	-	-	-	-
6,000,000		-	-	-	-	-	85,839	83,164	-	-	-	-	-	169,003
6,500,000		-	-	-	-	-	-	-	-	-	-	-	-	-
7,000,000		-	-	-	-	-	103,542	47,287	104,979	136,714	137,237	146,208	50,573	726,540
7,500,000		-	-	-	-	-	-	-	-	-	-	-	-	-
8,000,000		-	-	-	-	-	-	-	12,124	10,207	19,088	19,540	-	60,959
9,000,000		-	-	-	-	-	-	-	-	-	20,637	22,437	-	43,074
9,500,000		-	-	-	-	-	-	-	-	-	-	-	-	-
10,000,000		-	-	-	-	-	21,019	15,878	71,524	323,435	190,342	212,345	-	834,543
11,000,000		-	-	-	-	-	-	-	-	-	-	-	-	-
12,000,000		-	-	-	-	-	-	-	-	-	-	-	-	-
14,000,000		-	-	-	-	-	-	-	-	-	-	-	-	-
15,000,000		-	-	-	-	-	-	-	-	-	-	-	-	-
19,000,000		-	-	-	-	-	-	-	-	-	-	-	-	-
20,000,000		-	-	-	-	-	-	-	-	-	-	-	-	-
24,000,000		-	-	-	-	-	-	-	-	-	-	-	-	-
25,000,000		-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	-	-	-	340,590	322,785	348,959	816,040	693,458	727,521	153,426	3,402,779

xs 10M	Am Home
Selected	ILF
100.0%	1.000
0.0%	1.029
0.0%	1.058
0.0%	1.116
0.0%	1.145
0.0%	1.217
0.0%	1.235
0.0%	1.280
0.0%	1.235
100.0%	1.000

Secction V

Exhibit 14

Average XS Limit - - - - - - 5,507,396 4,995,279 5,784,923 6,759,982 6,340,233 6,130,076