

FLOIR Rate Hearing
2015 Rate Filing
Citizens Property Insurance
Corporation

Comments from
Fair Insurance Rates in Monroe
August 25, 2015



Regardless of statute, OIR must determine if rates are fair

CONDO UNIT OWNERS INDICATION SUMMARY

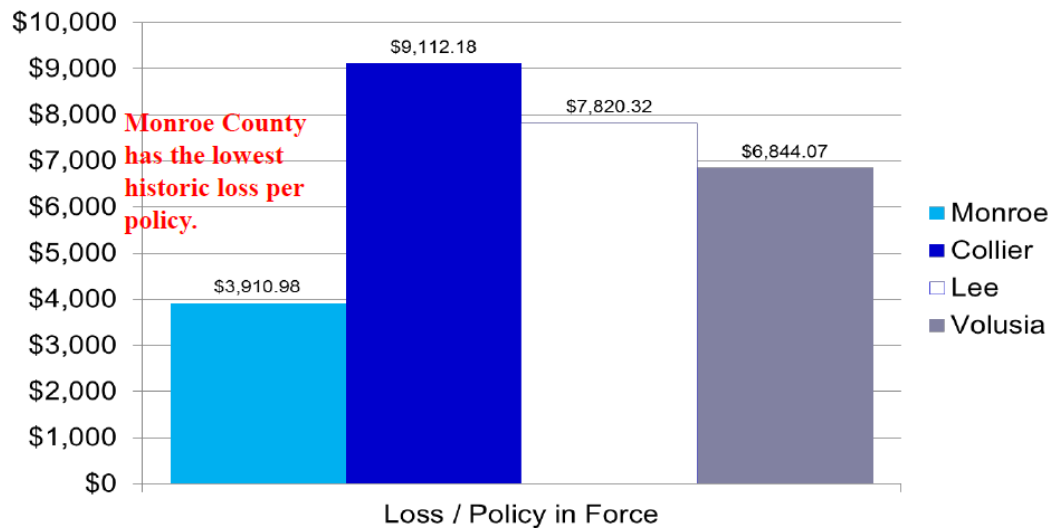
	Premium (\$ 000)	AIR Hurricane Model	Public Hurricane Model	RMS Hurricane Model	EQE Hurricane Model	Selected Overall Indication
(1) Wind Indication	50,803	32.1%	176.6%	50.3%	48.4%	176.6%
(2) <u>All Other Indication</u>	<u>17,575</u>	<u>24.3%</u>	<u>24.3%</u>	<u>24.3%</u>	<u>24.3%</u>	<u>24.3%</u>
(3) Total	68,378	30.1%	137.5%	43.6%	42.2%	137.5%

Average Increase in Monroe County Exceeds Counties with Higher Historic Losses

CITIZENS FILING FCP 15-15848 - COASTAL (HIGH RISK) ACCOUNT - HOMEOWNERS
HO-3 PROPOSED CHANGES BY COUNTY

Region	Earned House Years	Current Average Annual Premium (\$)	Proposed Average Annual Premium (\$)	Current Percent Change (%)
Alachua	0	\$0.00	\$0.00	0
Baker	0	\$0.00	\$0.00	0
Bay	1,439.44	\$1,628.36	\$1,785.86	9.7
Clay	0	\$0.00	\$0.00	0
Collier	3,631.32	\$3,008.74	\$3,294.26	9.5
Columbia	0	\$0.00	\$0.00	0
Lake	0	\$0.00	\$0.00	0
Lee	6,269.99	\$2,523.49	\$2,750.36	9
Leon	0	\$0.00	\$0.00	0
Martin	0	\$0.00	\$0.00	0
Monroe	12,305.49	\$3,557.54	\$3,943.87	10.9
Nassau	311.54	\$828.57	\$897.75	9
Okaloosa	276.29	\$2,969.28	\$3,236.23	9
Union	0	\$0.00	\$0.00	0
Volusia	5,889.71	\$1,079.25	\$1,190.20	10.3

Monroe
\$ 3,943.87
\$ 3,557.54
\$ 386.33



Analysis: 9-Year Loss per Policy

Question – Did RMS and EQE come up with the same numbers?

INPUTS BY RIF

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
RIF IDENTIFIER INFO					Data Set: Sufficient ("S") vs. Insufficient ("I")	Annual Premium Trend (SUPPORT!)	Annual Loss Trend (Up-To-Date) (SUPPORT!)	Annual Loss Trend (Projected) (SUPPORT!)
RIF ID	Program Name	Policy Type	Company(ies) Abbrev.	RIF Comments				
1	Personal Lines Account MF MDP-1 Wind EQE		CPIC	Using EQE	S	-4.4%	-11.7%	0.0%
2	Personal Lines Account MF MDP-1 All Other		CPIC		S	-4.4%	-10.0%	-4.0%

INPUTS BY RIF

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
RIF IDENTIFIER INFO					Data Set: Sufficient ("S") vs. Insufficient ("I")	Annual Premium Trend (SUPPORT!)	Annual Loss Trend (Up-To-Date) (SUPPORT!)	Annual Loss Trend (Projected) (SUPPORT!)
RIF ID	Program Name	Policy Type	Company(ies) Abbrev.	RIF Comments				
1	Personal Lines Account MF MDP-1 Wind RMS		CPIC	Using RMS	S	-4.4%	-11.7%	0.0%
2	Personal Lines Account MF MDP-1 All Other		CPIC		S	-4.4%	-10.0%	-4.0%

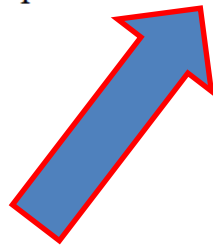
Is this accurate if Non CAT factors from weak homes in the north are applied to strong homes in Monroe

The 6.9% selected factor is applicable to PRM policies. It is a percentage of non-hurricane catastrophe losses to non-catastrophe losses. The wind-only policies will have non-hurricane catastrophe losses and very limited non-catastrophe losses. Therefore this percentage is not directly applicable to wind-only policies. In order to determine a factor that can be applied to PRM and PRW policies, the factor based on PRM data is converted from a non-hurricane cat to non-cat ratio to a non-hurricane cat to AAL ratio. This is then applied to the wind-only AAL to determine the non-hurricane catastrophe losses for the wind-only policies. The projected non-hurricane catastrophe for PRM and PRW are summed and taken as a percentage of the AY2014 developed losses and LAE. This percentage is then applied to each accident year losses to determine the non-hurricane catastrophe losses. This is all contained in Worksheets **22-24B** and **22-24C**.

Is this mis-allocated? Should it be credited?

Total Hurricane Premium (Adjusted Hurricane Individual Peril Premium + FHCF Build-Up)	2205
Total Non-Hurricane Premium (Total Estimated Premium - Total Hurricane Premium)	471

Up until 2010, it has not been possible to distinguish the historical experience between PRW Mobile Home and PRW Mobile Home Dwelling. So in past rate filings it has been decided to assign the Mobile Home Dwelling historical premium and loss experience in the PRW to the Mobile Home Rate Indication. This re-assignment will not have a material impact on the indicated rate changes since (a) PRW Mobile Home Dwelling policies make up a relatively small part of the total PRW Mobile Home and Mobile Home Dwelling business, and (b) the historical experience that is potentially misallocated will only impact the non-catastrophe loss component of PRW policies (this represents a very small portion of wind only policies).



$$\$ 471.00 * 10.4\% = \$ 48.98$$

MD-1

Peril Insured Against	Base Rate
Hurricane	98.70
Other Wind	1.34


Why? Is it OK to hinge everything on one year?

For Hurricane ULAE the selected ratio is based on the data from the 2005 hurricanes. Actual Hurricane ULAE from the 2004 hurricanes is not available in the format needed. The combined PRM and PRW ULAE to Loss ratio is calculated in column (15).

For purposes of this indication, the PRM and PRW results are combined in columns (5), (10), and (15) for Non-Hurricane, Non-Hurricane Cat, and Cat, respectively.

Worksheet **17-19C** calculates the incurred ULAE dollar amounts by multiplying the historical incurred losses by the ULAE to loss ratios from exhibit **17-19B**. This is done separately for non-hurricane cat, hurricane, wind excluding cat, and all other. These numbers appear on columns (17) through (19) of the RIF.

Is this a good idea?



For the Non-Cat ULAE, the combined PRM and PRW ULAE to Loss ratio is calculated in column (5). It is the loss weighted average of the ULAE to Loss Ratios from exhibit 17-19A. For the Non-Hurricane Cat ULAE, AY2008 is the only year that has enough data to determine a ULAE ratio specifically for this category (Tropical Storm Fay). This ratio from exhibit 17-19A is selected for each of the loss years. The combined PRM and PRW ULAE to Loss ratio is calculated in column (10).

For Hurricane ULAE the selected ratio is based on the data from the 2005 hurricanes. Actual Hurricane ULAE from the 2004 hurricanes is not available in the format needed. The combined PRM and PRW ULAE to Loss ratio is calculated in column (15).

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PROSPECTIVE EXPENSE PROVISIONS (% OF PREMIUM):

(46)	(47)	(48)	(49)
Category of Expected Expense	Fixed Expense Loading * <i>(SUPPORT!)</i>	Variable Expense Loading <i>(SUPPORT!)</i>	Total Expense Loading
Commissions	0.0%	7.8%	7.8%
Other Acquisition	0.4%	0.0%	0.4%
General	5.4%	0.0%	5.4%
Premium Taxes	0.0%	1.8%	1.8%
Misc. Licenses & Fees	0.0%	0.0%	0.0%
Profit & Contingency	0.0%	3.8%	3.8%
Contingent Commissions	0.0%	0.0%	0.0%
Non-FHCF Reins. Cost***	1.6%	0.0%	1.6%
FHCF Reins. Cost	1.2%	0.0%	1.2%
Other Expense (Specify**)	5.4%	0.0%	5.4%
TOTAL EXPENSES	14.0%	13.4%	27.3%
PERMISSIBLE LOSS & LAE			72.7%
* - Must reflect trend and/or other adjustments since last filing			
** - (Specify in detail here)			
*** This cost must exclude the Cost of Reinsurance to Replace available TICL Coverage including the TICL Reduction. The Cost of Reinsurance to Replace available TICL Coverage including the TICL Reduction must be included in (59A).			

Where do we find the detail

Program	Policy/Coverage	Base Class Description
HIGH RISK ACCOUNT HO (HO)	HO-8	WIND-ONLY Rate per \$1000 of insurance; Frame ; Deductible is 2% for Other Wind / 2% Hurricane.

Risk Type	Territory Set	Region	Territory Code	Territory Description	Total Amount of Insurance (in 000s) (\$)	Earned House Years	Earned Premium @ Current Rate Level (\$)	Current Annual Base Rate (\$)	Proposed Annual Base Rate (\$)	Current Average Annual Premium (\$)	Proposed Average Annual Premium (\$)
Combined Hurricane/Non-Hurricane	PR-W Territory Set.xls	Bay	50	Bay	\$156,165.53	2,053.70	\$945,073.74	\$10.64	\$22.91	\$400.18	\$507.05
		Brevard	00	Brevard	\$70,305.70	580.58	\$366,653.01	\$13.71	\$631.23	\$695.85	
		Broward	45	Broward	\$340,450.95	2,856.24	\$2,615,902.62	\$39.17	\$1,020.89	\$1,124.86	
		Broward	46	Broward	\$140,053.37	1,353.18	\$651,324.86	\$22.25	\$703.04	\$774.64	
		Broward	47	Broward	\$57,305.89	1,026.90	\$495,337.03	\$16.40	\$451.00	\$509.99	
		Broward	48	Broward	\$95,052.51	973.11	\$438,288.48	\$17.92	\$460.70	\$550.60	
		Charlotte	01	Charlotte	\$53,885.44	353.75	\$31,929.68	\$13.26	\$994.27	\$1,098.19	
		Collier	62	Collier	\$606,175.52	3,560.40	\$4,017,001.60	\$17.03	\$33.48	\$1,118.82	\$1,232.76
		Dade	22	Dade	\$614,705.89	3,654.49	\$5,499,886.22	\$43.25	\$103.42	\$1,547.31	\$1,704.90
		Dade	23	Dade	\$552,783.45	3,196.48	\$3,087,140.96	\$28.05	\$171.48	\$1,150.85	\$1,268.05
		Dade	24	Dade	\$14,240.22	172.71	\$118,177.78	\$18.43	\$35.25	\$694.26	\$763.95
		Dade	25	Dade	\$5,402.04	62.84	\$40,305.86	\$11.41	\$23.29	\$434.13	\$478.34
		Dade	26	Dade	\$98,851.32	307.12	\$565,338.36	\$25.20	\$58.39	\$1,938.49	\$2,135.91
		Dade	27	Dade	\$47,699.49	217.49	\$200,998.79	\$17.02	\$924.16	\$1,018.28	
		Dade	28	Dade	\$33,711.40	205.01	\$160,291.34	\$14.83	\$21.81	\$719.60	\$857.02
		Dade	29	Dade	\$4,989.98	65.79	\$25,634.64	\$12.75	\$24.08	\$459.52	\$505.07
		Duval	41	Duval	\$20,261.28	164.13	\$67,360.52	\$3.91	\$7.90	\$410.60	\$450.95
		Escambia	52	Escambia	\$130,538.78	1,150.81	\$678,506.29	\$14.42	\$40.22	\$389.09	\$449.75
		Escambia	53	Escambia	\$2,569.10	16.80	\$5,058.14	\$11.84	\$30.59	\$301.63	\$331.69
		Escambia	54	Escambia	\$12,033.24	121.25	\$68,169.53	\$9.16	\$18.06	\$562.13	\$619.38
		Flagler	33	Flagler	\$16,024.22	140.17	\$62,334.35	\$9.23	\$13.88	\$444.70	\$499.99
		Franklin	65	Franklin	\$2,283.54	8.76	\$5,338.92	\$9.20	\$15.80	\$951.23	\$1,048.11
		Gulf	66	Gulf	\$2,428.00	22.42	\$12,318.23	\$9.41	\$16.13	\$549.32	\$605.26
		Hernando	56	Hernando	\$0.01	0.54	\$119.63	\$13.88	\$29.25	\$221.65	\$241.65
		Indian River	76	Indian River	\$78,299.89	418.38	\$563,377.27	\$20.04	\$32.64	\$1,346.56	\$1,483.70
		Lee	17	Lee	\$330,085.02	2,480.42	\$2,059,168.82	\$14.15	\$23.47	\$928.84	\$911.05
		Lee	18	Lee	\$58,083.51	337.93	\$219,863.85	\$9.51	\$23.99	\$650.62	\$716.88
		Lee	19	Lee	\$11,997.32	111.52	\$54,011.32	\$7.31	\$17.29	\$494.33	\$533.66
		Lee	20	Lee	\$4,891.98	45.23	\$14,096.98	\$6.78	\$14.86	\$292.29	\$322.05
		Levy	57	Levy	\$3,817.58	64.71	\$21,564.45	\$6.97	\$16.98	\$333.24	\$367.17
		Manatee	68	Manatee	\$93,330.28	686.71	\$512,060.03	\$17.41	\$18.23	\$901.76	\$952.24
		Monroe	90	Monroe	\$323,774.97	2,311.33	\$2,385,152.45	\$41.33	\$63.52	\$1,032.37	\$1,137.52
		Nassau	69	Nassau	\$17,374.70	102.05	\$78,872.52	\$4.95	\$8.95	\$763.27	\$824.47
		Okaloosa	70	Okaloosa	\$163,732.93	1,777.70	\$1,057,816.08	\$11.53	\$26.88	\$565.05	\$614.45
		Palm Beach	94	Palm Beach	\$591,393.37	3,057.43	\$5,820,560.22	\$44.13	\$75.88	\$1,903.74	\$2,097.63
		Palm Beach	95	Palm Beach	\$231,278.94	1,768.32	\$1,541,157.79	\$28.73	\$49.61	\$971.04	\$959.78
		Palm Beach	96	Palm Beach	\$114,076.31	1,295.61	\$540,355.16	\$17.22	\$30.54	\$331.64	\$358.61
		Palm Beach	97	Palm Beach	\$27,322.35	275.27	\$134,125.28	\$15.85	\$33.28	\$487.26	\$536.88
		Pasco	88	Pasco	\$5,065.12	105.90	\$36,410.27	\$6.55	\$10.49	\$343.83	\$378.33
		Pinellas	42	Pinellas	\$245,208.98	2,196.70	\$1,385,816.70	\$11.11	\$19.11	\$930.88	\$995.10
		Santa Rosa	92	Santa Rosa	\$30,976.94	337.67	\$217,775.87	\$11.38	\$30.62	\$644.63	\$710.62
		Sarasota	49	Sarasota	\$499,751.76	3,185.80	\$3,180,457.85	\$10.84	\$18.44	\$999.83	\$1,083.73
		Sarasota	50	Sarasota	\$132,278.07	1,137.21	\$551,077.15	\$7.80	\$13.85	\$484.59	\$528.95
		Sarasota	51	Sarasota	\$42,990.18	386.50	\$176,430.94	\$7.28	\$7.28	\$456.48	\$500.98
		St. Johns	71	Saint Johns	\$35,756.17	323.42	\$186,407.46	\$6.03	\$9.17	\$676.36	\$732.20
		St. Lucie	77	Saint Lucie	\$27,805.42	263.35	\$169,211.83	\$22.27	\$49.08	\$667.89	\$735.91
		Volusia	14	Volusia	\$146,382.04	1,525.97	\$597,202.45	\$8.68	\$17.41	\$450.34	\$499.20
		Volusia	15	Volusia	\$7,229.69	69.13	\$33,114.40	\$3.88	\$7.43	\$334.06	\$388.09
		Volusia	16	Volusia	\$0.00	\$0.00	\$0.00	\$3.93	\$8.26	\$0.00	\$0.00
		Volusia	17	Volusia	\$424.00	5.61	\$2,157.63	\$7.28	\$13.70	\$384.25	\$423.50
		Walton	75	Walton	\$214,572.19	2,102.22	\$1,368,569.26	\$10.69	\$13.84	\$651.03	\$717.33

Current Annual Base Rate (\$)	Proposed Annual Base Rate (\$)	Current Average Annual Premium (\$)	Proposed Average Annual Premium (\$)
\$11.41	\$18.23	\$801.73	\$882.24
\$41.33	\$63.82	\$1,032.37	\$1,137.52
\$4.95	\$8.95	\$753.27	\$824.47
\$11.53	\$26.88	\$595.05	\$655.65

Program	Policy/Coverage	Base Class Description	Risk Type	Territory Set
HIGH RISK ACCOUNT HO (HO)	HO-3	WIND-ONLY Rate per \$1000 of insurance; Frame ; Deductible is 2% for Other Wind / 2% Hurricane.	Combined Hurricane/Non-Hurricane	PR-W Territory Set.xls

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Region	Territory Code	Territory Description	Total Amount of Insurance (in 000s) (\$)	Earned House Years	Earned Premium @ Current Rate Level (\$)	Current Annual Base Rate (\$)	Proposed Annual Base Rate (\$)	Current Average Annual Premium (\$)	Proposed Average Annual Premium (\$)
Manatee	88	Manatee	\$283,157.53	685.56	\$1,501,580.03	\$8.44	\$13.52	\$2,255.11	\$2,461.75
Monroe	90	Monroe	\$5,423,295.82	12,305.40	\$43,777,311.23	\$47.82	\$58.22	\$3,557.54	\$3,043.87
Nassau	89	Nassau	\$132,104.15	311.54	\$258,120.06	\$2.00	\$3.00	\$828.57	\$887.75
			\$117,225.48	282.50	\$566,000.28	\$26.24	\$14.52	\$1,752.21	\$1,752.21

CALCULATION OF ANNUAL RATE CHANGE EFFECT BY TERRITORY FOR RATE LEVEL EFFECT FORM

Wind-Only - HW2

Territory Number (1)	Territory Description (2)	Total Amount of Insurance (in 000s) (3)	Earned House Years CY Ending 09/30/14 (4)	Earned Premium @ Current Rate CY Ending 09/30/14 (5)	Proposed Earned Premium (6)	Current Base Rate (7)	Proposed Base Rate (8)	Percent Change In Base (9)	Current Average Rate (10)	Proposed Average Rate (11)	Total Percent Change (12)
76	Indian River	389,477	924	3,128,931	3,387,309	18.49	24.62	33.2%	3,387	3,667	8.3%
17	Lee	1,893,860	3,998	12,542,732	13,711,267	12.70	17.17	35.3%	3,137	3,430	9.3%
18	Lee	588,450	1,643	2,270,274	2,451,230	7.62	10.22	34.0%	1,381	1,491	8.0%
19	Lee	139,058	333	610,557	654,289	6.41	7.69	20.1%	1,834	1,966	7.2%
20	Lee	98,007	296	398,705	427,946	6.46	7.52	16.5%	1,348	1,446	7.3%
57	Levy	73,815	244	228,447	248,820	4.93	7.62	54.6%	935	1,018	8.9%
68	Manatee	283,158	666	1,501,589	1,638,453	9.44	13.52	43.3%	2,256	2,462	9.1%
90	Monroe	5,423,296	12,305	43,777,311	48,531,212	47.52	56.22	18.3%	3,558	3,944	10.9%
STATEWIDE		51,436,677	133,447	349,047,244	380,155,181	17.40	21.96	26.2%	2,616	2,849	8.9%

CALCULATION OF ANNUAL RATE CHANGE EFFECT BY TERRITORY FOR RATE LEVEL EFFECT FORM

Wind-Only - HW4

Territory Number	Territory Description	Earned Premium @ Current Rate CY Ending 09/30/14 (3)	Inforce Premium @ Current Rate as of 12/31/14 (4)	Capped Proposed Rate Change Excluding FHCF Build Up (5)	Current FHCF BU Premium as of 12/31/14 (6)	Capped		Capped Proposed Rate Change Including FHCF Build Up (9)
						Proposed Rate Change Excluding FHCF BU Base on Total Inforce FHCF BU Premium (7)	FHCF Build Up Rate Change Base on Total Inforce & FHCF BU Premium (8)	
76	Indian River	3,958	3,423	8.9%	90	8.6%	0.3%	8.9%
17	Lee	4,749	3,181	10.0%	83	9.7%	0.3%	10.1%
18	Lee	2,625	2,204	9.3%	58	9.1%	0.3%	9.4%
19	Lee	400	62	2.6%	2	2.5%	0.1%	2.6%
20	Lee	282	273	1.8%	7	1.7%	0.1%	1.8%
57	Levy	552	207	10.0%	5	9.7%	0.3%	10.1%
68	Manatee	274	204	10.0%	5	9.7%	0.3%	10.1%
90	Monroe	37,543	30,860	10.0%	808	9.7%	0.3%	10.1%
Total		492,825	341,238	9.3%	8,932	9.0%	0.3%	9.3%

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Accident Year Ending	Months of Maturity	Earned House-Years	Written Premiums (\$000's)	Earned Premiums (\$000's)	Current Rate Level Factors (SUPPORT)	Premium Trend Factors	Trended Earned Premiums at C.R.L. (\$000's)
9/30/2010	63	112,848	\$51,927	\$47,893	1.718	0.741	\$80,781
9/30/2011	51	137,845	\$62,202	\$57,578	1.644	0.774	73,301
9/30/2012	39	158,118	\$68,227	\$64,812	1.566	0.809	81,852
9/30/2013	27	155,274	\$69,560	\$70,458	1.355	0.845	80,891
9/30/2014	15	134,467	\$64,049	\$70,204	1.111	0.883	68,855
TOTAL		698,549	\$315,964	\$310,543			\$365,459

Using the AIR Hurricane Model

PROJECTED CATASTROPHE LOSSES:

(1)	(22)	(23)	(24)	(25)	(21)
Accident Year Ending	Losses (SUPPORT)	ALAE (SUPPORT)	ULAE (SUPPORT)	---PROJECTED NON-HURR. CAT (\$000's)--- Losses & ALAE & ULAE	Actual Incurred Loss & LAE Excl. Cats. (\$000's)
9/30/2010	\$460	\$134	\$68	\$660	\$241
9/30/2011	\$621	\$181	\$90	\$892	165
9/30/2012	\$802	\$234	\$116	\$1,151	424
9/30/2013	\$723	\$211	\$104	\$1,038	125
9/30/2014	\$612	\$179	\$88	\$879	57
TOTAL	\$3,217	\$939	\$465	\$4,621	\$1,011

DEVELOPMENT OF RATE LEVEL INDICATIONS:

(50) 40.4% Projected Hurricane Loss & LAE ratio

(51) 45.2% Proj. Incurred Loss & LAE Ratio (Incl. all catastrophes)

(52) 14.0% Expected Fixed Expense Ratio

(53) 13.4% Expected Variable Expense Ratio

(54) -31.7% **Rate Level Indication (Before Credibility)**

(55) 1.00 Credibility (SUPPORT!)

(56) 4.6% Expected Annual Net Trend
(i.e., Projected Loss Trend Net of Premium Trend)

(57) 1.00 Assumed Number of Years Since Last Rate Review

(58) 4.6% Expected Net Trend Since Last Rate Review
(Value receives complement of credibility)

(59) -31.7% **Credibility-Weighted Rate Level Indication**

(59A) 1.7% **Cost of Reinsurance to Replace available TICL** (SUPPORT!)

(59B) -30.0% **Rate Level Indication including (59A)**

(60) -4.7% **Company Selected Rate Change**

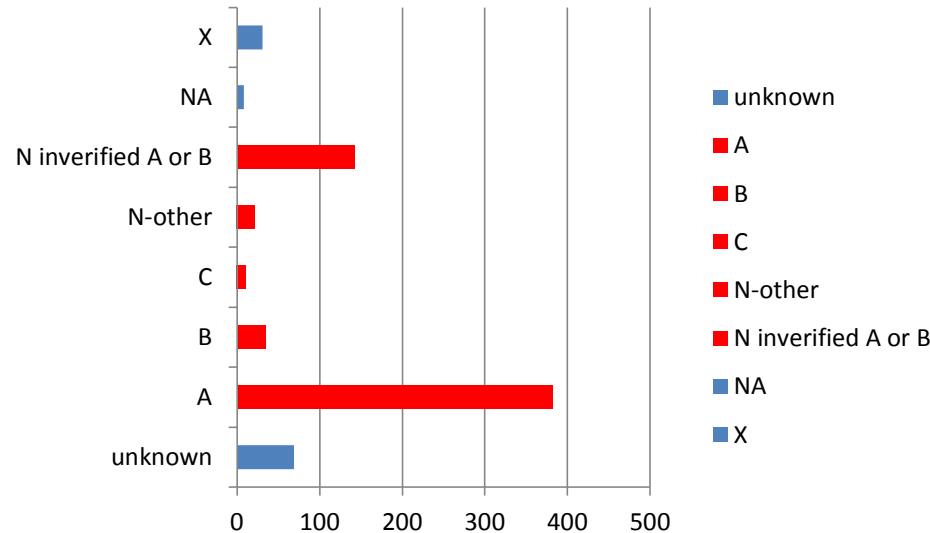
How may we obtain these files?

Reinsurance Expense Support	Reinsurance Support	All Lines	PRM MDP Reinsurance Expense Support.docx Reinsurance_Recovery_AIR.xlsx Reinsurance_Recovery_EQE.xlsx Reinsurance_Recovery_RMS.xlsx Reinsurance_Recovery_FPM.xlsx air_recovery_calculation.xlsx (diskette) eqe_recovery_calculation.xlsx (diskette) rms_recovery_calculation.xlsx (diskette) fpm_recovery_calculation.xlsx (diskette)
Catastrophe Model Support	AIR CAT Model Support	All Lines	AIR Catastrophe Model Support.docx CitizensMappingstoAIRCodes.xlsx ActualvsModeledLoss-AIR.pdf AIR ModeledLoss_PR.pdf Attachment_A.pdf Attachment_A_Exposure_PR.pdf Attachment_B_Loss_PR.pdf Attachment_B_Lyons_Peer_Review.pdf Attachment_C_Friedland_CV.pdf Attachment_D1_Pourghasemi_Peer_Review.pdf Attachment_D2_Pourghasemi_CV.pdf Attachment_E_Moody's_Fitch.pdf Attachment_F_U.S._Hurricane_Accounting_for_Secondary_Risk_Characteristics.pdf Attachment_G.pdf Attachment_H1_Rollins_Peer_Review Attachment_H2_Rollins_CV.pdf Attachment_I.pdf Attachment_J_BlackContrerasEmmanuel_CV.pdf

How may we obtain these files?

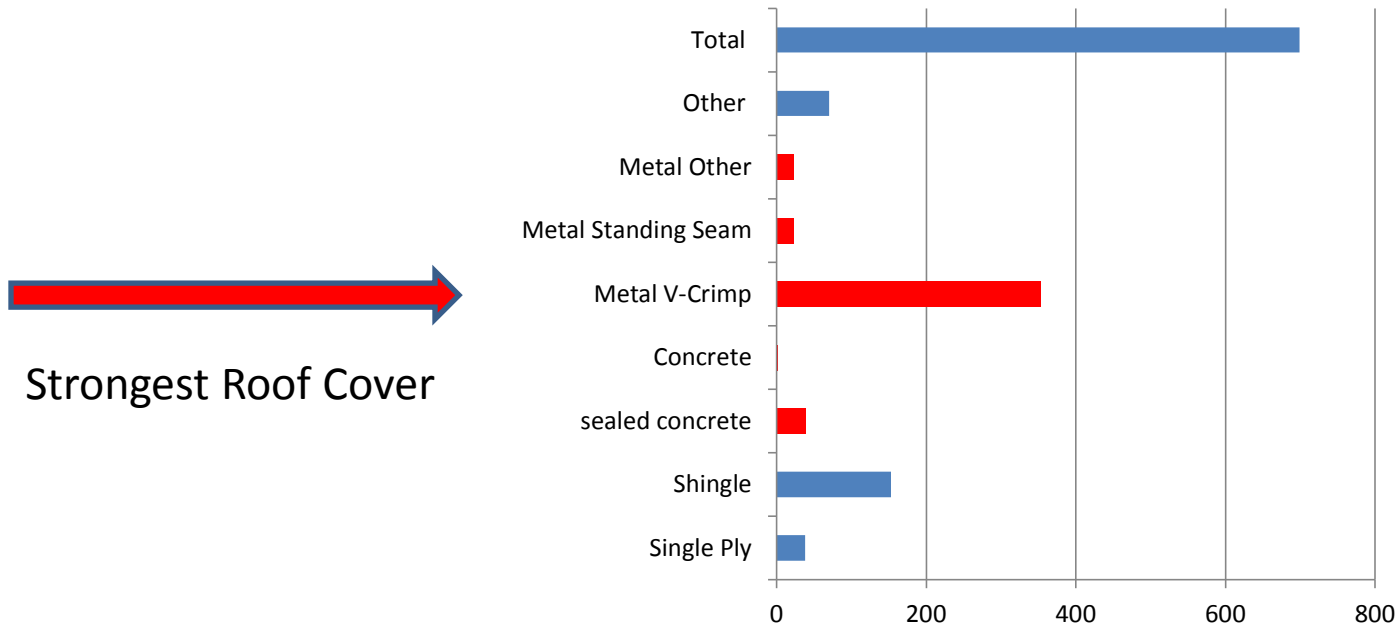
Catastrophe Model Support	FPM Cat Model Support	All Lines	FPM Catastrophe Model Support.docx CitizensMappingstoFPMCodes.xlsx
Catastrophe Model Support	EQE Cat Model Support	All Lines	EQE Catastrophe Model Support.pdf
Catastrophe Model Support	RMS Cat Model Support	All Lines	RMS Catastrophe Model Support Part A.pdf RMS Catastrophe Model Support Part B.docx
Catastrophe Model Support	CAT Model Input and Output Tables	Personal Lines	PR_AIR_Input_and_Output.accdb (diskette) PR_EQE_Input_and_Output.accdb (diskette) PR_FPM_Input_and_Output.accdb (diskette) PR_RMS_Input_and_Output.accdb (diskette)

Shutters Reduce Losses – no matter what kind

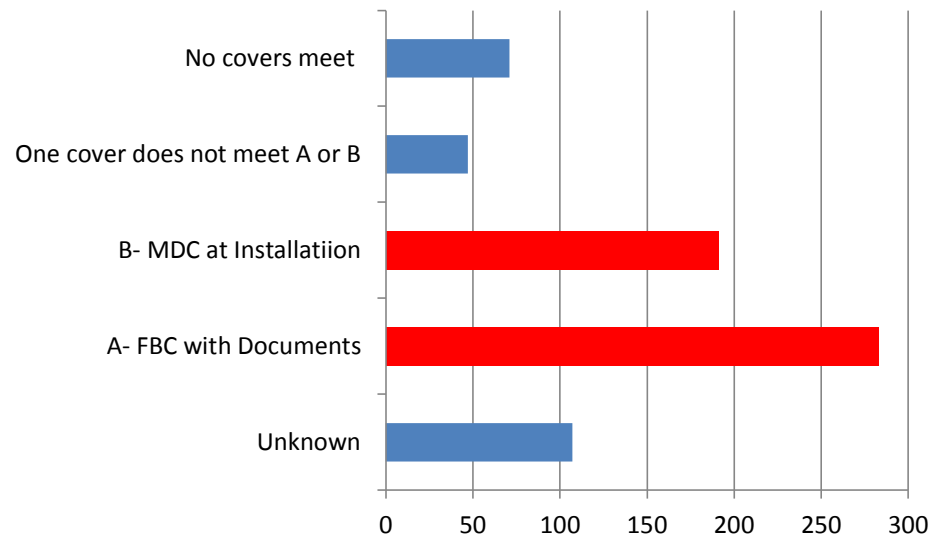


- “The protection of openings is perhaps the greatest single loss mitigation strategy for a building”

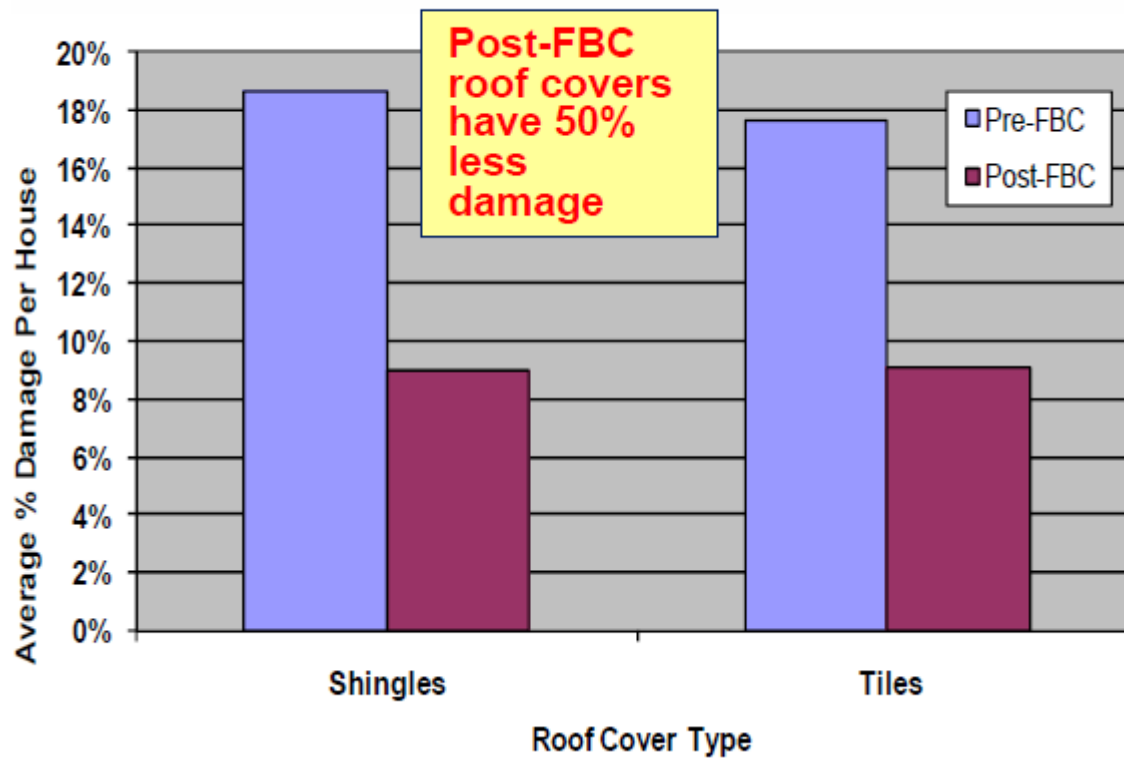
Roof Cover in Monroe County



Models inaccurately assume Weak buildings pre 2001



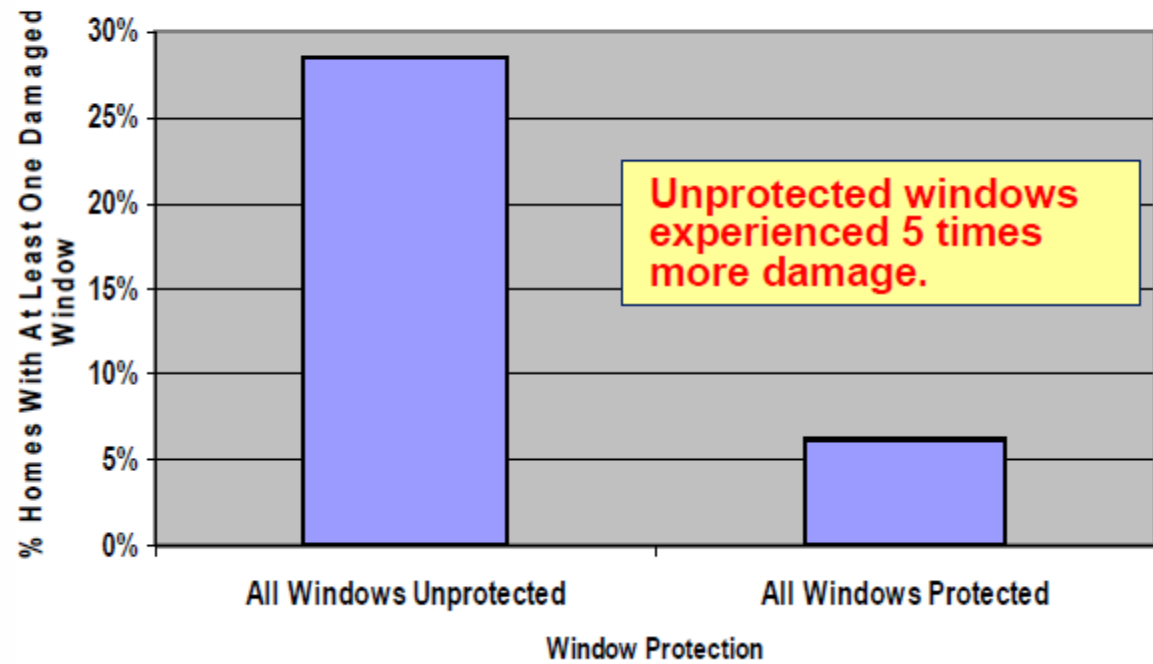
Roof Cover Type

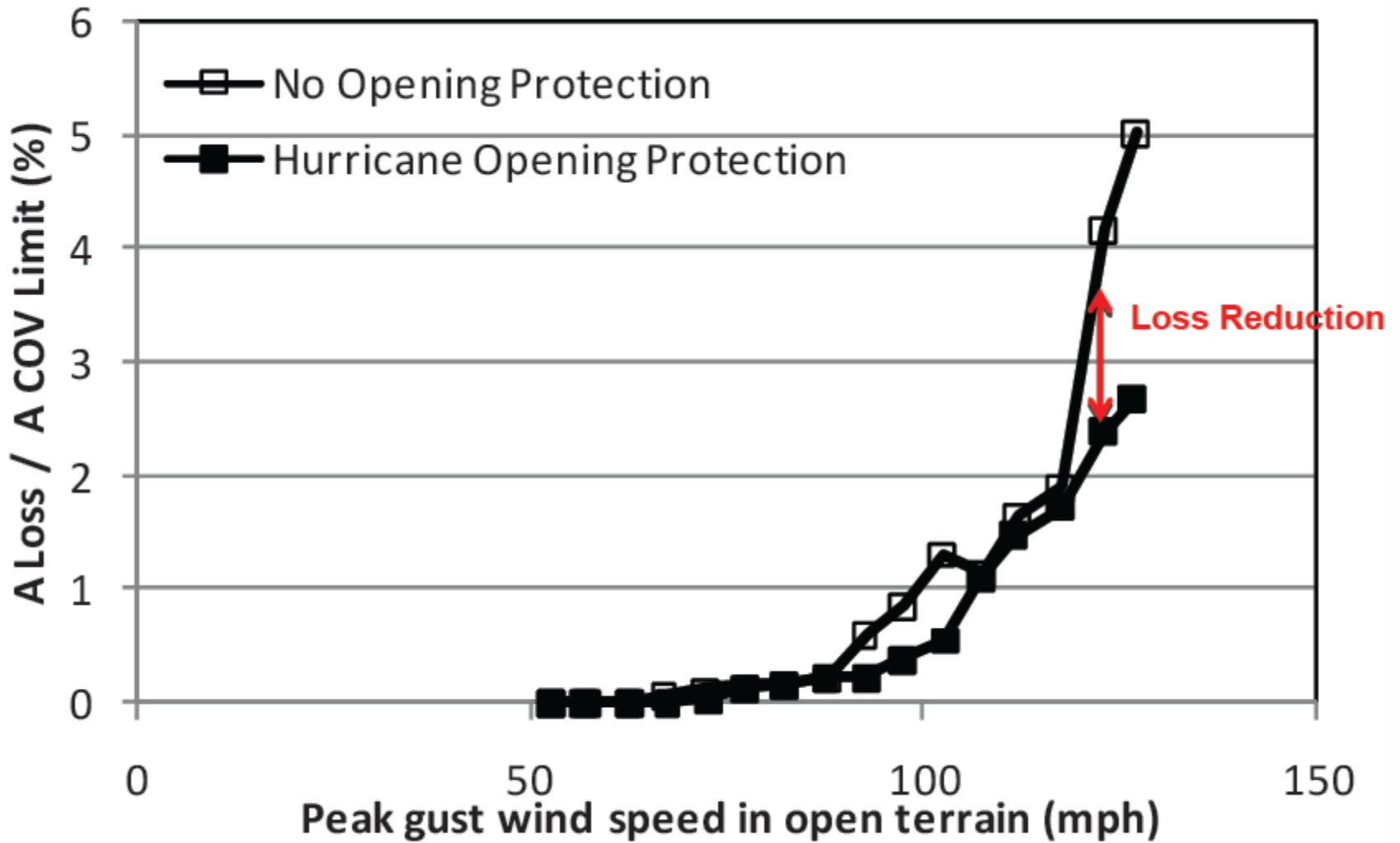


Summary UF and ARA Damage Surveys 2004 Hurricanes Summary-

**Residences with no protection on the
windows had at least one damaged window 5
times more likely than homes with protection**

Window Protection





37% loss reduction



4	Opening Coverage – All Openings ¹	Yes (Except not in HVHZ)	0.98			Based on 2002 study. Applies to Hurricane Protection Level; does not apply to other protection loads.
9	Shutter Interpolation Between None and Hurricane	Yes	<u>Type</u>	<u>Terrain B</u>	<u>Terrain C</u>	Based on 2003-2004 DCA Shutter Impact Tests for OSB and Plywood. Values given are shutter interpolation factors (S). (See Eq. 4-2)
			Ordinary	S = 0.72	S = 0.56	
			OSB	S = 0.72	S = 0.56	
			Plywood	S = 0.48	S = 0.46	
			Basic	S = 0.23	S = 0.19	

