



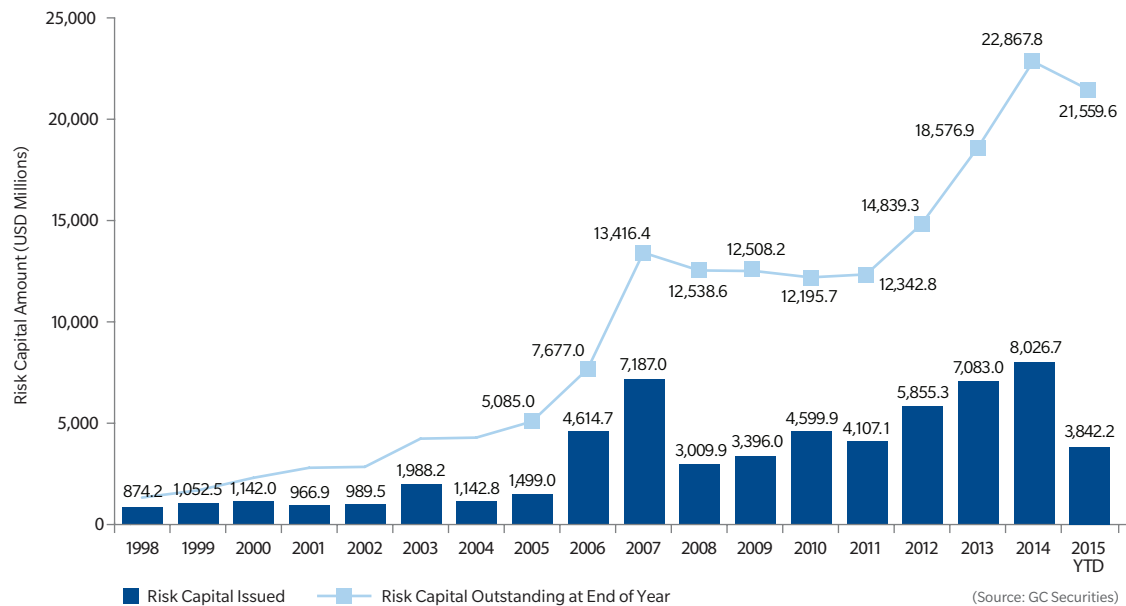
CATASTROPHE BOND UPDATE: SECOND QUARTER 2015

144A property and casualty (P&C) catastrophe bond primary issuance activity was healthy during the second quarter of 2015, recording the fourth highest second quarter on record despite dropping to an aggregate USD2.453 billion in volume. The total was lower than the previous two second quarters of 2013 and 2014 of USD3.303 billion and USD4.492 billion, respectively.

The investor base continued to embrace new sponsors and perils despite the emergence of a pricing floor (primarily for lower expected loss structures) as demonstrated by the pricing of second quarter new issuances. The investor base also supported significant growth in private catastrophe bonds, as issuances rose to their highest levels ever.

Seven sponsors re-entered the market in the second quarter to obtain either additional or replacement coverage for their respective programs. Florida Citizens (Everglades Re II Ltd.), Travelers (Long Point Re III Ltd.), Heritage (Citrus Re Ltd.) and USAA (Residential Reinsurance 2015 Ltd.) successfully executed deals across a broad range of perils and regions.

F-1 | 144A P&C CATASTROPHE BOND RISK CAPITAL ISSUED AND OUTSTANDING – 1998 TO 2015 YTD



The Massachusetts Property Insurance Underwriting Association (MPIUA) successfully issued USD300 million Series 2015-1 Notes via Cranberry Re Ltd., with the assistance of Hannover Ruck as the transformer reinsurer. MPIUA first utilized the cat bond market in 2010 via Shore Re Ltd., however, MPIUA did not elect to renew the bond at maturity in 2013. The Series 2015-1 Notes, with an annual aggregate indemnity trigger and exposure to losses resulting from named storms, severe thunderstorms and winter storms, assisted MPIUA in transforming their entire reinsurance program into an annual aggregate format — a significant milestone for the residual market insurer. Additionally, this was the first multi-peril catastrophe bond issuance to benefit a residual market insurer and was notable for not using a third-party event identification source for the perils of severe thunderstorms or winter storms.

T-1 | CRANBERRY DEAL PROFILE

Series 2015-1 Notes	
Issuer	Cranberry Re Ltd.
Peril	Any Named Storm Event, Severe Thunderstorm Event or Winter Storm Event
Covered Areas	The State of Massachusetts
Trigger	Indemnity; Annual Aggregate
Risk Period	3 years
Modeling Firm	AIR Worldwide Corporation
Collateral	U.S. Treasury Money Market Funds
Expected Loss	1.377% (base)/ 1.383% (sensitivity)
Attachment Point	\$300,000,000; P(attach) = 3.081 (base)/3.102% (sensitivity)
Exhaustion Point	\$1,400,000,000; P(exhaust) = 0.697% (base)/0.699% (sensitivity)
Issuance Amount	\$300M
Initial Spread	3.80%

Source: Marsh

The successful issuance of USD100 million Series 2015-1 Notes from a newly established catastrophe bond program, Pelican III Re Ltd., benefited Louisiana Citizens (LA Citizens) and highlights the significant changes to catastrophe bond pricing over the past several years. The Series 2015-1 Notes represent the third time that the Louisiana insurer of last resort has utilized the capital markets to secure catastrophe bond-based reinsurance protection. In renewing the protection, LA Citizens obtained a reinsurance protection risk level similar to that of the 2012 placement (as measured by the reinsurance layer's expected loss). The cost of cover was less than half the 2012 price and also included improvements in other terms and conditions, including a 30-day liquidity advancement feature and improved variable reset flexibility.

T-2 | PELICAN DEAL PROFILE

Series 2015-1 Notes	
Issuer	Pelican III Re Ltd.
Peril	Named Storm
Covered Areas	Louisiana
Trigger	Indemnity; per occurrence
Risk Period	3 years
Modeling Firm	AIR Worldwide Corporation
Collateral	U.S. Treasury Money Market Funds
Expected Loss	3.23% (base)/3.51% (sensitivity)
Attachment Point	\$175,000,000; P(attach) = 4.44 (base)/4.81% (sensitivity)
Exhaustion Point	\$319,000,000; P(exhaust) = 2.35% (base)/2.57% (sensitivity)
Issuance Amount	\$100M
Initial Spread	6.00%

Source: Marsh

The largest issuance of the quarter (and the first half of the year) was the Alamo Re Ltd. Series 2015-1 Notes that benefited the Texas Windstorm Insurance Association (TWIA). The two classes within the Series 2015-1 bonds were positioned alongside TWIA's traditional reinsurance program to provide annual aggregate protection from named storms causing at least USD50 million in loss to the association. The Series 2015-1 Class A Notes provide three years of risk transfer protection while the Series 2015-1 Class B Notes provide four years of protection. Additionally, the bonds were positioned below and above, respectively, the Series 2014-1 catastrophe bonds that remained outstanding after being issued in 2014 and they provide risk transfer protection for two future hurricane seasons. The three tranches were prudently designed to best manage the amount of catastrophe bond capacity maturing at any point in time to mitigate any refinancing risk associated with that capacity upon its maturity. With the combined Series 2014-1 and 2015-1 Notes outstanding, TWIA has obtained a total of USD1.1 billion of catastrophe bond-based protection, which makes it the sixth largest P&C catastrophe bond sponsor overall based on capacity outstanding as of July 31, 2015.

T-3 | ALAMO DEAL PROFILE

Series 2015-1 Notes		
Issuer	Alamo Re Ltd.	
Peril/Covered Area	Named Storm in the State of Texas	
Trigger	Indemnity; Annual Aggregate	
Risk Period	3 years	
Modeling Firm	AIR Worldwide Corporation	
Collateral	U.S. Treasury Money Market Funds	
	Class A	Class B
Expected Loss	2.46% / 2.68%	1.42% / 1.58%
	base / sensitivity	base / sensitivity
Attachment Point	\$2,600,000,000	\$4,000,000,000
	2.74% / 2.99%	1.61% / 1.77%
	base / sensitivity	base / sensitivity
Exhaustion Point	\$3,200,000,000	\$4,800,000,000
	2.14% / 2.36%	1.30% / 1.44%
	base / sensitivity	base / sensitivity
Issuance Amount	\$300M	\$400M
Initial Spread	5.90%	4.60%

Source: Guy Carpenter

NEW SPONSORS

Insurance-linked securities (ILS) investors' high demand for non-traditional diversifying and non-traditional exposures continued to warrant new sponsors' evaluation of alternative capital for protection in regions not yet ceded to the alternative capital and/or catastrophe bond market.

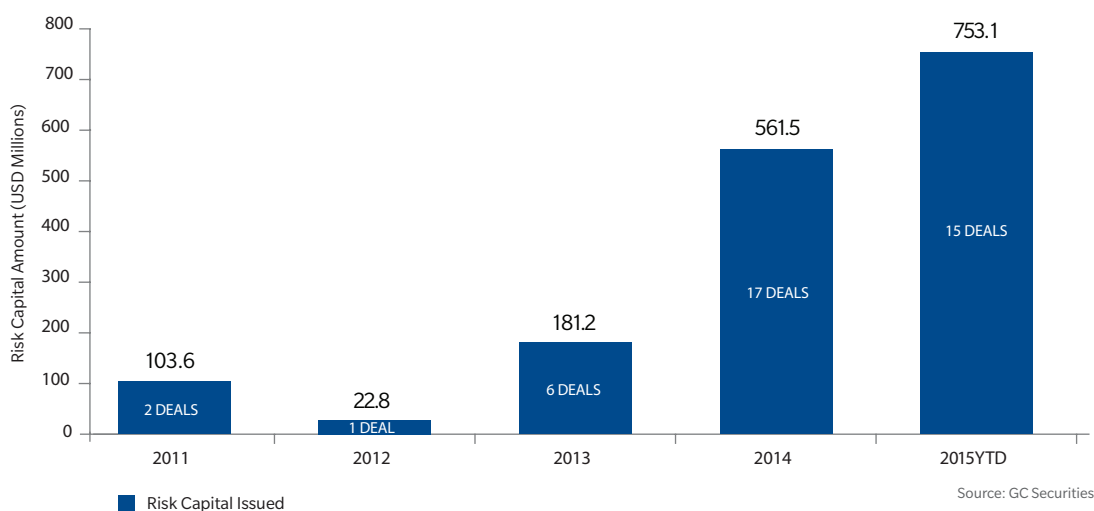
The second quarter featured the successful execution of Azzurro Re I, the first catastrophe bond to securitize European earthquake risk on an indemnity basis. First time sponsor UnipolSai Assicurazioni took advantage of favorable capital market conditions to source protection against the exposure on an indemnity per occurrence basis. Investor interest in the Azzurro Re I Notes resulted in the transaction being upsized to EUR200 million.

An exciting development in the second quarter was the Panda Re Ltd. Series 2015-1 Notes, which was the first bond to provide protection against a Chinese peril and the first ILS transaction issued by a Chinese sponsor. The Series 2015-1 Notes provide China Re retrocession protection against earthquake-related losses in China on an indemnity basis. China Re sought the expertise and knowledge of GC Securities*, the sole structuring and placement agent on the deal, for an introduction to the ILS market and for guidance in accessing the capital markets. The Series 2015-1 Notes have a three-year term effective July 1, 2015 and feature an indemnity trigger on a per occurrence basis. While the bond was structured in private placement format, the transaction comprised many of the structural features found in 144A placements. The bond aimed to minimize foreign exchange risk with its design of the response to an earthquake event while balancing and optimizing the participation of capital markets investors, with the issuance of the bond in U.S. dollar denomination.

PRIVATE CAT BOND MARKET

The private catastrophe bond market continued its significant growth in the second quarter as nine deals came to market representing USD556.32 million of risk capital, outpacing the growth in the 144A catastrophe bond market. AIG elected to pursue a USD300 million private cat bond as opposed to the 144A cat bond format used for its prior catastrophe bond issuances. The six-month risk period cat bond exposed to named storms was structured in a zero-coupon bond format and with a trigger based on a parametric index. As of June 30, 2015, the size of private cat bond transactions ranged from as small as USD3.75 million to as large as AIG's USD300 million bond. The average size of private transactions in 2015 year-to-date (YTD) is USD50.2 million.

F-2 | PRIVATE CATASTROPHE BONDS: RISK CAPITAL ISSUED

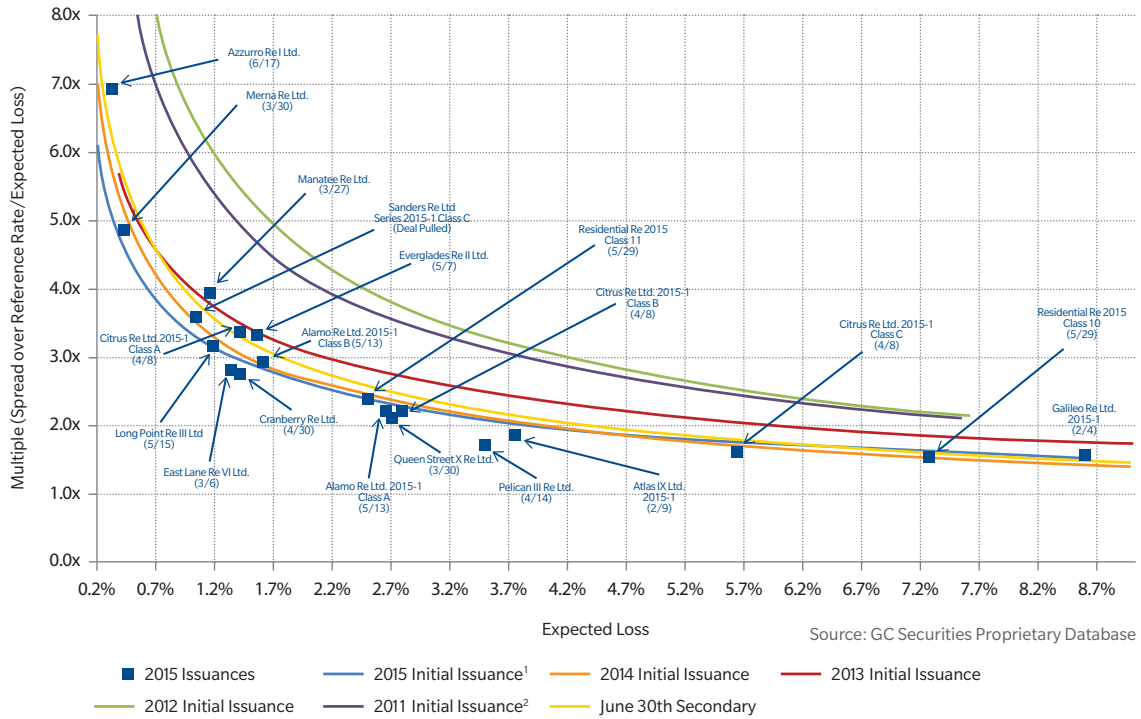


Note: Private catastrophe bonds as of June 30, 2015 excluding deals currently being marketed.

PRICING TRENDS

An interesting pricing trend in the cat bond market that developed further in the second quarter (a trend that we expect to continue to see for the near future) was a pricing floor particularly for lower expected loss catastrophe bond structures. As illustrated in the figure below, this development was further evidenced by the secondary pricing of outstanding 144A P&C catastrophe bonds. The secondary pricing trend curve has trended upward throughout the year. As of June 30, 2015, it was sitting above the 2015 initial issuance trend curve, suggesting that investors are demanding a higher spread than the primary issuance spread in order to facilitate a trade in the secondary market. This was particularly noticeable in the transactions with a lower expected loss, as the secondary trading curve sat above 2015 YTD and 2014 primary issuance and alongside the 2013 primary issuance curves. The reach for yield, even within the catastrophe bond asset class, has resulted in some investors reducing allocations to lower expected loss deals. This should encourage sponsors to cede less remote risks to the capital markets where a pricing floor is not yet definitive.

F-3 | PRICING TRENDS



1. Kizuna Re II Ltd. not displayed (EL 0.018%, 11.1x).

2. Excludes Combine Re Class A

Note: P&C catastrophe bonds as of June 30, 2015 excluding private transactions.

CONTRIBUTORS

Cory Anger

Global Head of ILS Structuring
GC Securities*

Jordan Brown

Analyst
GC Securities*

Ryan Clarke

Senior Vice President
GC Securities*

Chi Hum

Global Head of ILS Distribution
GC Securities*

Sung Yim

Senior Vice President
GC Securities*



About Guy Carpenter

Guy Carpenter & Company, LLC is a global leader in providing risk and reinsurance intermediary services. With over 50 offices worldwide, Guy Carpenter creates and executes reinsurance solutions and delivers capital market solutions* for clients across the globe. The firm's full breadth of services includes line-of-business expertise in agriculture; aviation; casualty clash; construction and engineering; cyber solutions; excess and umbrella; excess and surplus lines; healthcare & life; marine and energy; mutual insurance companies; political risk and trade credit; professional liability; property; public sector; retrocessional reinsurance; surety; terrorism and workers compensation. GC Fac® is Guy Carpenter's dedicated global facultative reinsurance unit that provides placement strategies, timely market access and centralized management of facultative reinsurance solutions. In addition, GC Analytics®** utilizes industry-leading quantitative skills and modelling tools that optimize the reinsurance decision-making process and help make the firm's clients more successful. For more information, visit www.guycarp.com and follow Guy Carpenter on Twitter @GuyCarpenter.

Guy Carpenter is a wholly owned subsidiary of Marsh & McLennan Companies (NYSE: MMC), a global professional services firm offering clients advice and solutions in the areas of risk, strategy, and people. With annual revenue of \$13 billion, Marsh & McLennan's 57,000 colleagues worldwide provide analysis, advice, and transactional capabilities to clients in more than 130 countries through: Marsh, a leader in insurance broking and risk management; Mercer, a leader in talent, health, retirement, and investment consulting; and Oliver Wyman, a leader in management consulting. Marsh & McLennan is committed to being a responsible corporate citizen and making a positive impact in the communities in which it operates. Visit www.mmc.com for more information.

*Securities or investments, as applicable, are offered in the United States through GC Securities, a division of MMC Securities Corp., a US registered broker-dealer and member FINRA/NFA/SIPC. Main Office: 1166 Avenue of the Americas, New York, NY 10036. Phone: (212) 345-5000. Securities or investments, as applicable, are offered in the European Union by GC Securities, a division of MMC Securities (Europe) Ltd. (MMCSEL), which is authorized and regulated by the Financial Conduct Authority, main office 25 The North Colonnade, Canary Wharf, London E14 5HS. Reinsurance products are placed through qualified affiliates of Guy Carpenter & Company, LLC. MMC Securities Corp., MMC Securities (Europe) Ltd. and Guy Carpenter & Company, LLC are affiliates owned by Marsh & McLennan Companies. This communication is not intended as an offer to sell or a solicitation of any offer to buy any security, financial instrument, reinsurance or insurance product. **GC Analytics is a registered mark with the U.S. Patent and Trademark Office.

Disclaimer

The data and analysis provided by Guy Carpenter herein or in connection herewith are provided "as is", without warranty of any kind whether express or implied. The analysis is based upon data provided by the company or obtained from external sources, the accuracy of which has not been independently verified by Guy Carpenter. Neither Guy Carpenter, its affiliates nor their officers, directors, agents, modelers, or subcontractors (collectively, "Providers") guarantee or warrant the correctness, completeness, currentness, merchantability, or fitness for a particular purpose of such data and analysis. The data and analysis is intended to be used solely for the purpose of the company internal evaluation and the company shall not disclose the analysis to any third party, except its reinsurers, auditors, rating agencies and regulators, without Guy Carpenter's prior written consent. In the event that the company discloses the data and analysis or any portion thereof, to any permissible third party, the company shall adopt the data and analysis as its own. In no event will any Provider be liable for loss of profits or any other indirect, special, incidental and/or consequential damage of any kind howsoever incurred or designated, arising from any use of the data and analysis provided herein or in connection herewith.

Statements or analysis concerning or incorporating tax, accounting, regulatory or legal matters should be understood to be general observations or applications based solely on our experience as reinsurance brokers and risk consultants and may not be relied upon as tax, accounting, regulatory or legal advice, which we are not authorized to provide. All such matters should be reviewed with the client's own qualified advisors in these areas.

Readers are cautioned not to place undue reliance on any historical, current or forward-looking statements. Guy Carpenter & Company, LLC undertakes no obligation to update or revise publicly any historical, current or forward-looking statements, whether as a result of new information, research, future events or otherwise.

This document or any portion of the information it contains may not be copied or reproduced in any form without the permission of Guy Carpenter & Company, LLC, except that clients of Guy Carpenter & Company, LLC need not obtain such permission when using this report for their internal purposes.

The trademarks and service marks contained herein are the property of their respective owners.

Guy Carpenter Briefing. © 2015 Guy Carpenter & Company, LLC.

M0000.0.00.000