Shocked Cash Flow and Analytics Feed Available from Interactive Data’s BondEdge Solutions, a Best in Class* provider of Fixed Income Portfolio Analytics.

Cash Flow and analytics data from BondEdge Solutions can now be easily integrated into end user proprietary systems or via third party software providers through a direct feed. With direct access to cash flow and related analytics data, clients can more effectively:

- Evaluate expected future returns and risks under varied interest rate environments.
- Support regulatory reporting, risk assessment, investment decisions, and audit.

Using the BondEdge Prepayment Model, shocked Cash Flows and Analytics are available via an end of day feed. Security level output on instantaneous and parallel interest rate shock scenarios (base case, +/-100, +/-200, +/-300, +/-400 basis point shifts) are available for the following:

**SHOCK ANALYTICS**
- Average life
- Yield to worst
- Modified duration
- Effective duration
- Convexity
- Ending price
- CPR/PSA
- Total return
- Price return
- Income return

**MONTHLY CASH FLOWS**
- Total cash flow
- Principal cash flows
- Interest cash flows

KEY FEATURES
The BondEdge Feed Shocked Cash Flow and Analytics provides robust cash flow modeling capabilities, invoking proprietary prepayment and option models and structured security deal libraries as necessary.

- BondEdge’s proprietary prepayment models employ for MBS, CMO, ABS and similar products, including fixed and adjustable rate mortgage pass through. The model appropriate for the security type is invoked, providing prepayment estimates that are robust and independent.

- All structured security deals (CMOs, ABS and CMBS) in the BondEdge database are fully reverse-engineered by the BondEdge Solutions structured finance department, using the original prospectus and supplemental information. The database covers approximately 99% of the agency/GSE CMO population (excluding Residual tranches); coverage of private label (whole loan) CMOs is approximately 98% of public deals. Coverage of ABS deals varies by collateral type, but averages 93% of public deals.

* In a May 2013 report, independent analyst firm CEB TowerGroup has named BondEdge Solutions “Best-in-Class” in the portfolio management category, following their Portfolio Modeling and Risk Analytics Technology Assessment.
BONDEDGE FEED SHOCKED CASH FLOWS AND ANALYTICS

ANALYTICS METHODOLOGIES

Examples of some methodologies include:

- **Term Structure Model**
  The underlying interest rate process in BondEdge is a single factor, mean-reverting Gaussian process. The rate process is implemented in a Heath-Jarrow-Morton (HJM) framework.

- **Price Simulations**
  All non-path-dependent securities use an implicit finite differences grid with a Crank-Nicolson scheme, while path-dependent securities use a proprietary Monte Carlo framework.

- **Constant Option-Adjusted Spread (OAS)**
  A constant OAS method is used for all simulations involving parallel shifts in the yield curve.

PREPAYMENT MODELING

BondEdge Solutions conducts ongoing research on mortgage prepayment modeling. This research makes use of detailed historical pool-level prepayment and loan characteristics (such as spread at origination, loan-to-value, weighted average original loan size, etc.) and key mortgage market statistics such as home price appreciation, as well as qualitative information on developments in the mortgage market.

STANDARD DELIVERY OPTIONS

BondEdge Solutions offers a wide variety of delivery options. Additional custom options are also available. Output is available on a daily, weekly, monthly or quarterly basis.

- **File Transfer**
  All data files to and from Interactive Data are delivered via FTP. The customer will push their input file containing identifier, price and as of date for the securities on which the information is requested, to the FTP site and the output files will be delivered to the same Interactive Data FTP site or customer’s FTP site.

For more information, please contact BondEdge Solutions at be.info@interactivedata.com or call (310) 479-9715

ABOUT BONDEDGE SOLUTIONS

BondEdge Solutions, an Interactive Data company, provides high-quality cross-asset portfolio management and risk analytics solutions backed by proprietary quantitative modeling techniques to more than 400 leading banks, investment managers, brokerage firms, insurance companies and pension funds throughout North America. Its flagship offering, BondEdge, combines advanced analytics with security master data that provides comprehensive coverage for approximately 2.8 million domestic and international fixed income and equity issues, including a structured finance library of more than 16,000 U.S. structured deals.

For more information about BondEdge, please visit www.bondedge.com

BondEdge was named among a “Best-in-Class” solution in CEB TowerGroup’s 2013 Portfolio Modeling and Risk Analytics Technology Assessment.

For more information about Interactive Data and its businesses, please visit www.interactivedata.com

LIMITATIONS: This document is provided for informational purposes only. The information contained in this document is subject to change without notice and does not constitute any form of warranty, representation, or undertaking. Nothing herein should in any way be deemed to alter the legal rights and obligations contained in agreements between BondEdge Solutions and its clients relating to any of the products or services described herein. BondEdge Solutions makes no warranties whatsoever, either express or implied, as to merchantability, fitness for a particular purpose, or any other matter. Without limiting the foregoing, BondEdge Solutions makes no representation or warranty that any data or information (including but not limited to evaluations) supplied to or by it are complete or free from errors, omissions, or defects. Interactive DataSM and the Interactive Data logo are service marks of Interactive Data Corporation. BondEdge® is a registered trademark of BondEdge Solutions LLC. Other products, services, or company names mentioned herein are the property of, and may be the service mark or trademark of, their respective owners.

©2014 BondEdge Solutions LLC