Q3 2023

Developed to help market participants better understand trading trends in the bond markets, BondWave's Data Lab has released its QMarks[™] dashboards for the third quarter of 2023.

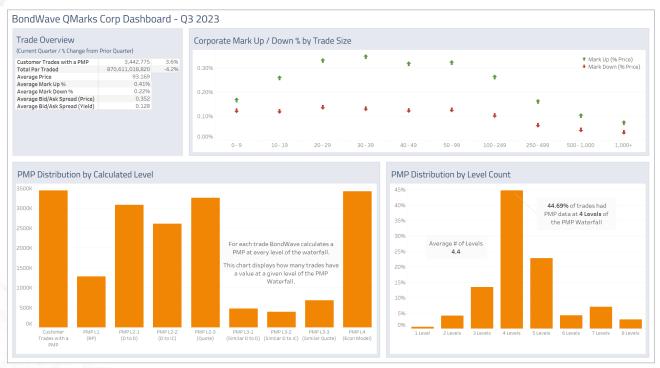
<u>QMarks</u> is a proprietary BondWave data set that powers its quarterly dashboards to cover all disseminated bond transactions using the regulatory-prescribed Prevailing Market Price methodology for corporate, municipal, agency, and 144A. QMarks belongs to a suite of other BondWave proprietary data sets, including <u>QCurves</u>, <u>QTrades</u>, and <u>QScores</u>.



Q3 2023 Observations:

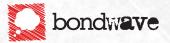
Corporate Bond Market Trends

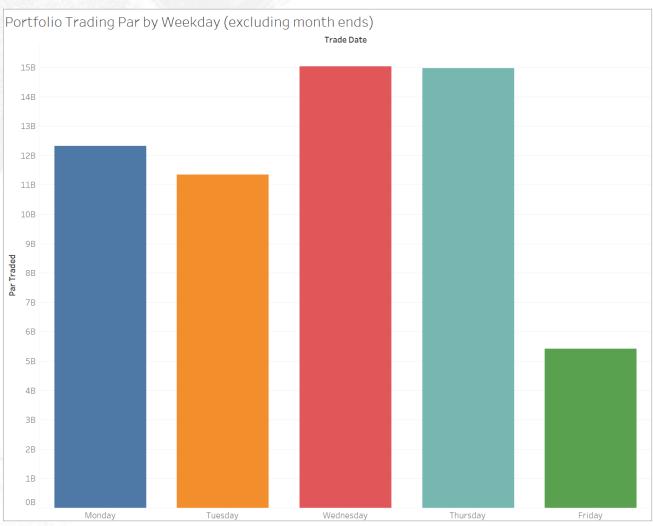
- Corporate bond par traded in Q3 shrunk while trade volume grew as the average trade size shrank.
- With par traded 4.2% below the prior quarter and the number of trades 3.6% greater than the prior quarter, average trade size shrunk from \$273,643 in Q2 to \$252,881 in Q3.
- Mark-ups and mark-downs held steady in the quarter while the average bid/ask spread came in by 8.7 basis points to 35.2 basis points.



Source: BondWave QMarks

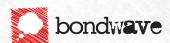
- The decrease in average trade size may be due to the fact that corporate bond portfolio trading has been on the upswing.
- Starting with this quarter, BondWave will begin to include statistical summaries of portfolio trading for corporate bonds.

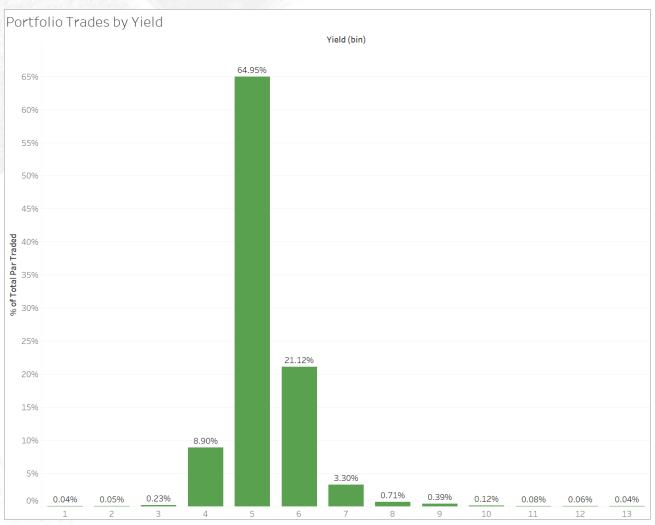




Source: BondWave QMarks

The most popular days to execute portfolio trades in Q3 were Wednesday and Thursday. Clearly, no
one wants to stay late on a Friday to process portfolio trades.





Source: BondWave QMarks

• 98.27% of bonds in portfolio trades have reported yields between 4% and 8%.

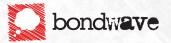


Municipal Bond Market Trends

- Most measures of municipal trading remained steady over the quarter (mark-ups, bid/ask spread) along with the trade volume.
- There are 11% more municipal bond trades with a Prevailing Market Price in Q3 than there were in Q2. However, the percentage of trades which have a value at a given level of the PMP Waterfall remains relatively unaffected.



Source: BondWave QMarks



Agency Bond Market Trends

- Agency bond trade counts saw a healthy 17.6% increase in Q3 to go with a modest 1.5% increase in par traded.
- The result is that the average trade size shrunk from \$314,451 in Q2 to \$271,681 in Q3.
- Trade costs (mark-up, mark-down, bid/ask spread) were virtually unchanged during the quarter.



Source: BondWave QMarks



144A Bond Market Trends

- 144A bond trading in Q3 followed an identical pattern to their registered counterparts.
- Par traded shrank as did average trade size relative to Q2.
- Mark-ups and mark-downs held steady in the quarter while the average bid/ask spread came in by 3.7 basis points to 39 basis points.



Source: BondWave QMarks

Dashboards for the previous quarter referenced above are located here: Q2 2023 Dashboards



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