

The Modernization of Municipal Bond Trading

May 6, 2019 Executive Summary:

> 12-15% of municipal bond trading is done electronically WHILE MARKET STRUCTURE is too complex to assume that E-trading is the sole DRIVER OF BETTER LIQUIDITY, THE IMPROVED TRANSPARENCY AND MARKET ACCESS IT PROVIDES CERTAINLY HAS A STARRING ROLE

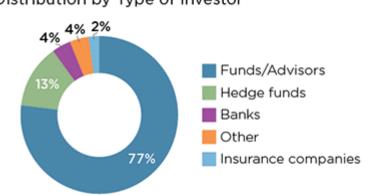
The municipal bond market is viewed by many as frozen in time. Bond issues are generally small and numerous, and local relationships around the country play a big part in finding investors for many of those bonds. Innovation has been focused primarily on corporate bond and U.S. Treasury trading, with the growth in electronic trading and data availability increasing the competition among the platforms often making news. It's time for the quiet but impressive evolution of municipal bond trading to enter the spotlight.

Greenwich Associates data shows that e-trading in the institutional municipal bond market in 2018 was higher than levels seen for investment-grade corporate bonds and more than double that of high-yield corporate bonds. Electronic market makers are increasingly a major force in municipal bond trading as well, boosting the market's turnover and overall liquidity. As electronic trading has grown, so too has the data available to market participants, with both executable and evaluated prices now available for a huge portion of the issues outstanding. Given the investments made in this market by electronic market makers along with those running the e-trading platforms, this evolution is only just getting started.

Methodology:

In 2018, Greenwich Associates interviewed 105 institutional municipal bond investors in the United States, including asset managers, hedge funds, regional banks, and insurance companies.

TOTAL TRADING VOLUME Distribution by Type of Investor



Source: Greenwich Associates 2018 U.S. Fixed-Income Investors Study



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