

Market Transparency Report

Monthly Guide to the U.S. Retail Fixed Income Markets

July 2021

www.tradeweb.com

1177 Avenue of the Americas New York, NY 10036 212.852.1234

Overview

About the Market Transparency Report

The data and analysis contained in this monthly report are intended to provide transparency into the dynamics of the U.S. Fixed Income markets for retail investors. The report presents the important trends in the market, including trade volumes, most active issuers, yield/spread movements and buy/sell ratios. Retail trades are defined as odd-lot transactions under 100 bonds (i.e. less than \$100,000 par value). The retail market is much smaller than the institutional market on a par value basis, but it accounts for more than 2/3 of the trades that occur in the marketplace.

Page Reference

- 3. Market Commentary
- 4. Yield Matrix
- 5. Treasury, Agency, CD Transaction Trend Summary
- 6. Corporate Bonds: Odd-Lot Customer Transaction Trend Summary
- 7. Municipal Bonds: Odd-Lot Customer Transaction Trend Summary
- 8. Corporate Bonds: Top 20 Most Active Issuers
- 9. Corporate Bonds: Top 20 Issuers with Highest Buy/Sell Ratio 10. Corporate Bonds: Top 20 Issuers with Lowest Buy/Sell Ratio
- 11. Corporate Bonds: Top 20 Most Bought Issues12. Corporate Bonds: Top 20 Most Sold Issues
- 13. Appendix
- 14. Disclosures



Market Commentary

Monthly Change Table for July 2021

| | Median Yield (bps) | Daily Trade Volume | Buy/Sell Ratio |
|-----------|--------------------|--------------------|----------------|
| Agency | -6 | 33.0% | -0.5 |
| CD | 8 | 0.9% | 1.0 |
| Corp | -22 | -12.1% | -0.1 |
| Municipal | -7 | -9.4% | -0.1 |
| Treasury | -5 | -7.7% | 0.1 |

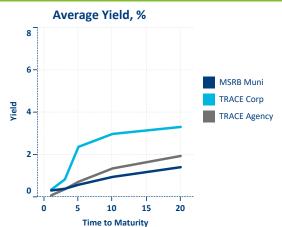
For monthly security trend data, see slides 5, 6 and 7



Yield Matrix

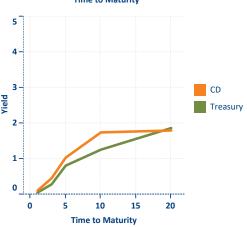
Average Yield, % for July 2021

| | | | TTM | | | Median Maturity |
|--------------|-----|-----|-----|-----|-----|--------------------|
| Market | 1 | 3 | 5 | 10 | 20 | (Years) |
| MSRB Muni | 0.3 | 0.4 | 0.6 | 1.0 | 1.4 | 9 |
| TRACE Corp | 0.4 | 0.8 | 2.4 | 3.0 | 3.3 | 4 |
| TRACE Agency | 0.1 | 0.4 | 0.7 | 1.4 | 2.0 | 5 |
| CD | 0.1 | 0.5 | 1.0 | 1.8 | 1.8 | 1 |
| Treasury | 0.1 | 0.3 | 0.8 | 1.3 | 1.9 | 1 |



Asset Class

| Market | Category (Filtered) | Rating Key | 1 | 3 | 5 | 10 | 20 | Median Maturity (Years) |
|---------|---------------------|------------|-----|-----|-----|-----|-----|-------------------------------|
| | | AA | 0.2 | 0.2 | 1.0 | | | 1 |
| | Financial | Α | 0.3 | 0.6 | 1.1 | 1.8 | 3.0 | 3 |
| | rinanciai | BBB | 0.5 | 1.0 | 1.5 | 2.3 | 3.2 | 4 |
| TRACE - | | HY | 1.5 | 2.0 | 5.8 | 5.8 | | 6 |
| Corp | | AAA | | 0.3 | | 1.4 | 2.4 | 8 |
| согр | | AA | | 0.4 | 1.2 | 1.5 | 2.5 | 9 |
| | Non-Financial | Α | 0.2 | 0.8 | 1.2 | 2.0 | | 3 |
| | | BBB | 0.4 | 1.0 | 1.5 | 2.8 | 3.3 | 8 |
| | | HY | 0.9 | 3.1 | 7.0 | 4.8 | 4.5 | 6 |
| | | | | | | | | Median |
| | | | 1 | 3 | 5 | 10 | 20 | Maturity (Years) |
| | | AAA | 0.3 | 0.3 | 0.5 | 0.8 | 1.4 | 7 |
| | | AA | 0.3 | 0.4 | 0.5 | 0.9 | 1.5 | 8 |
| | GO | Α | 0.4 | 0.5 | 0.7 | 0.9 | 1.2 | 6 |
| | | BBB | 0.6 | 0.8 | 0.9 | 1.2 | 1.3 | 8 |
| MSRB | | HY | | 3.9 | | 2.3 | 1.0 | 8 |
| Muni | | AAA | 0.3 | 0.3 | 0.5 | 0.9 | 1.3 | 8 |
| | | AA | 0.3 | 0.4 | 0.6 | 0.9 | 1.3 | 9 |
| | Revenue | A | 0.3 | 0.5 | 0.6 | 0.9 | 1.2 | 10 |
| | | BBB | 0.5 | 0.9 | 0.9 | 1.5 | 1.4 | 13 |
| | | HY | 0.8 | 4.6 | 4.7 | 4.4 | 2.8 | 10 |



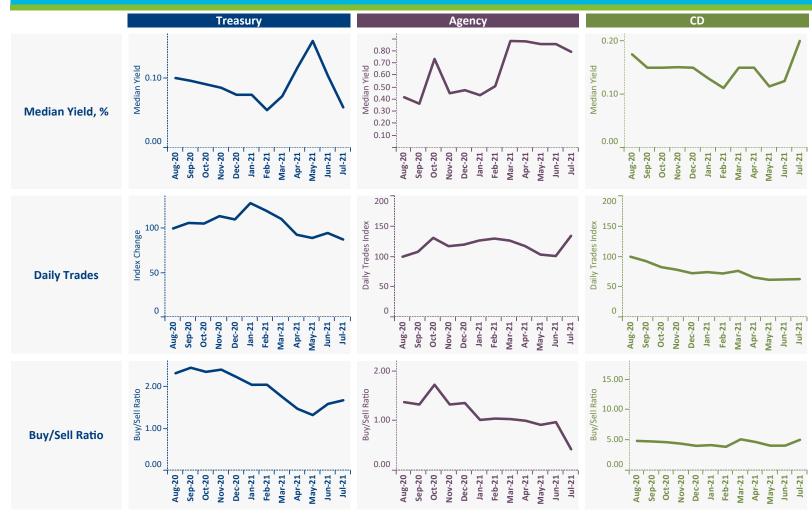
WA Yield = "Weighted Average Yield"

Source: TRACE, RTRS (MSRB's Real-time Transactional Reporting System) and Tradeweb Direct

- -The yields in each cell for Corporate/Agency/Municipal are the weighted average yield based on odd-lot customer buy transcations reported in TRACE/MSRB.
- -The yields in each cell for Treasury/CD are the weighted average yield based on buy transactions on the Tradeweb Direct Platform.
- -The weights are based on transaction size.
- -Yield summaries for Corporate and Agency exclude transactions in callable or floating-rate coupon bonds.
- -Yield summaries for Municipal exclude transactions in taxable bonds.
- -See appendix for the definition of maturity and rating buckets.



Treasury, Agency, CD Transaction Trend Summary



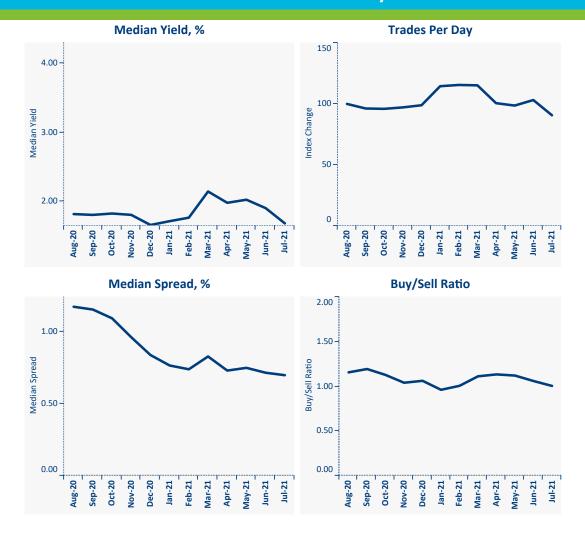
Daily Trades: First month = 100 Source: TRACE and Tradeweb Direct



⁻Treasury and CD are based on transactions on the Tradeweb Direct Platform. Median yields are based on all customer buy transactions.

⁻Agency is based on odd-lot customer transactions (<100M) reported in TRACE. Median yields are based on all odd-lot customer buy transactions.

Corporate Bonds: Odd-Lot Customer Transaction Trend Summary



Daily Trades: First month = 100 Source: TRACE and Tradeweb Direct



⁻Based on odd-lot customer transactions (<100M) reported in TRACE.

⁻Median yields and spreads are based on all odd-lot customer buy transactions...

Municipal Bonds: Odd-Lot Customer Transaction Trend Summary



Daily Trades: First month = 100

Source: RTRS (MSRB's Real-time Transaction Reporting System) and Tradeweb Direct



⁻Based on odd-lot customer transactions (<100M) reported in MSRB.

⁻Median yields and spreads are based on all odd-lot customer buy transactions.

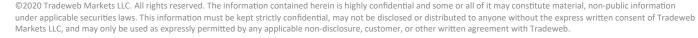
⁻Spread for each transaction is calculated against the Treasury yield for the same maturity.

Corporate Bonds: Top 20 Most Active Issuers

July 2021

| Index | Ticker | Company | Rating Key (Med) | Issues Traded | % of Total Trades | Trades | Buy/Sell Ratio | Dollar Vol. Traded (MM) | 1Y Yield (Buy) | 3Y Yield (Buy) | 5Y Yield (Buy) | 10Y Yield (Buy) | 20Y Yield (Buy) |
|-------|--------|--|---------------------|---------------|----------------------|--------|-------------------|-------------------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| 1 | JPM | JP MORGAN CHASE | Α | 653 | 3.0% | 12,526 | 1.1 | 270 | 0.3 | 0.9 | 1.3 | 1.9 | 2.9 |
| 2 | GS | GOLDMAN SACHS | Α | 898 | 2.7% | 11,085 | 1.0 | 218 | 0.4 | 0.8 | 1.4 | 2.3 | 3.3 |
| 3 | BAC | BANK OF AMERICA | Α | 276 | 2.4% | 10,035 | 1.0 | 202 | 0.3 | 1.1 | 1.3 | 2.2 | 3.2 |
| 4 | С | CITIGROUP | BBB | 453 | 2.4% | 10,021 | 1.0 | 211 | 0.3 | 1.0 | 1.3 | 2.3 | 2.9 |
| 5 | MS | MORGAN STANLEY | Α | 648 | 1.6% | 6,459 | 0.8 | 149 | 0.4 | 0.8 | 1.4 | 2.0 | 2.9 |
| 6 | GE | GENERAL ELEC CAP CORP MEDIUM TERM NTS BO | BBB | 267 | 1.5% | 6,089 | 1.2 | 131 | 0.4 | 0.8 | 1.5 | 2.7 | 3.0 |
| 7 | WFC | WELLS FARGO | Α | 156 | 1.5% | 5,979 | 0.9 | 125 | 0.2 | 0.8 | 1.4 | 1.8 | 3.1 |
| 8 | VZ | VERIZON | BBB | 139 | 1.4% | 5,961 | 1.1 | 118 | 0.2 | 0.7 | 1.2 | 2.1 | 2.8 |
| 9 | Т | AT&T | BBB | 114 | 1.4% | 5,619 | 0.7 | 129 | 0.3 | 0.6 | 1.4 | 2.1 | 3.2 |
| 10 | GM | GENERAL MOTORS FINANCIAL COMPANY INC | BBB | 84 | 1.2% | 5,087 | 1.3 | 125 | 0.3 | 0.9 | 1.5 | 2.4 | 3.7 |
| 11 | AAPL | APPLE INC | AA | 56 | 1.2% | 4,754 | 0.8 | 102 | 0.2 | 0.5 | 1.0 | 1.6 | 2.6 |
| 12 | ORCL | ORACLE CORP | BBB | 37 | 1.1% | 4,699 | 1.0 | 97 | 0.4 | 0.8 | 1.3 | 2.2 | 3.1 |
| 13 | CMCS | COMCAST | Α | 59 | 1.0% | 4,218 | 0.8 | 90 | 0.2 | 0.5 | 1.0 | 2.0 | 2.7 |
| 14 | CVS | CVS CAREMARK CORP | BBB | 45 | 1.0% | 3,938 | 0.9 | 85 | 0.3 | 0.9 | 1.2 | 2.0 | 2.9 |
| 15 | BA | BOEING CO | BBB | 59 | 0.8% | 3,273 | 1.9 | 81 | 0.4 | 1.2 | 1.6 | 2.7 | 3.5 |
| 16 | F | FORD | ВВ | 192 | 0.8% | 3,190 | 0.9 | 79 | 0.8 | 1.9 | 2.6 | 3.7 | 4.2 |
| 17 | BRK | BERKSHIRE HATHAWAY | AA | 146 | 0.8% | 3,096 | 0.6 | 85 | 0.2 | 0.4 | 1.0 | 1.9 | 2.8 |
| 18 | SCHW | SCHWAB CHARLES CORP NEW | BBB | 32 | 0.7% | 2,936 | 2.2 | 61 | 0.2 | 0.5 | 1.0 | 1.9 | |
| 19 | ABBV | ABBVIE INC | BBB | 32 | 0.7% | 2,878 | 1.2 | 62 | 0.4 | 0.9 | 1.3 | 1.9 | 3.0 |
| 20 | ВК | BANK NEW YORK INC MEDIUM TERM SR NTS BOO | Α | 39 | 0.7% | 2,741 | 1.1 | 45 | 0.2 | 0.5 | 1.0 | 1.7 | |

Source: TRACE and Tradeweb Direct





⁻Based on odd-lot customer transactions (<100M) reported in TRACE.

⁻Issuer ratings are based on median rating of traded bonds from each issuer. Bond ratings are from Moody's and S&P.

Corporate Bonds: Top 20 Issuers with Highest Buy/Sell Ratio

July 2021

| Index | Ticker | Company | Rating Key (Med) | Issues Traded | % of Total Trades | Trades | Trades (Buy) | Trades (Sell) | Buy/Sell Ratio | Dollar Vol. Traded (MM) | 1Y Yield (Buy) | 3Y Yield (Buy) | 5Y Yield (Buy) | 10Y Yield (Buy) | 20Y Yield (Buy) |
|-------|--------|--|------------------------|------------------|----------------------|--------|-----------------|------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| 1 | EIX | EDISON MISSION | ВВ | 45 | 0.7% | 2,738 | 2,334 | 404 | 5.8 | 61 | 0.8 | 0.6 | 1.3 | 2.2 | 3.4 |
| 2 | PCG | PACIFIC GAS & ELEC CO | BBB | 37 | 0.4% | 1,817 | 1,534 | 283 | 5.4 | 42 | 1.8 | 2.0 | 2.3 | 3.4 | 4.4 |
| 3 | PSEC | PROSPECT CAP CORP INTERNOTES BOOK ENTRY | BBB | 106 | 0.3% | 1,222 | 949 | 273 | 3.5 | 25 | 1.7 | 3.1 | 2.9 | 3.7 | 4.0 |
| 4 | PBFQ | PBF HLDG CO LLC / PBF FIN CORP | В | 2 | 0.2% | 986 | 734 | 252 | 2.9 | 13 | | 21.0 | | | |
| 5 | AVGO | Null | BBB | 21 | 0.3% | 1,080 | 782 | 298 | 2.6 | 23 | 0.5 | 1.1 | 1.4 | 2.5 | |
| 6 | ALLY | ALLY FINANCIAL | ВВ | 32 | 0.4% | 1,463 | 1,058 | 405 | 2.6 | 35 | 0.3 | 1.0 | 2.1 | 3.0 | |
| 7 | TEVA | TEVA PHARMACEUTICAL FIN CO B V | ВВ | 11 | 0.4% | 1,687 | 1,182 | 505 | 2.3 | 38 | 2.3 | 3.0 | 4.1 | | |
| 8 | SCHW | SCHWAB CHARLES CORP NEW | BBB | 32 | 0.7% | 2,936 | 2,020 | 916 | 2.2 | 61 | 0.2 | 0.5 | 1.0 | 1.9 | |
| 9 | SVC | Null | ВВ | 13 | 0.2% | 967 | 635 | 332 | 1.9 | 20 | 0.7 | 3.9 | 4.6 | 4.9 | |
| 10 | ВА | BOEING CO | BBB | 59 | 0.8% | 3,273 | 2,125 | 1,148 | 1.9 | 81 | 0.4 | 1.2 | 1.6 | 2.7 | 3.5 |
| 11 | GT | GOODYEAR TIRE & RUBBER | В | 9 | 0.2% | 1,023 | 662 | 361 | 1.8 | 27 | | 1.5 | 3.4 | 4.5 | |
| 12 | ARCC | ARES CAP CORP | BBB | 9 | 0.3% | 1,141 | 703 | 438 | 1.6 | 26 | 0.5 | 1.1 | 2.0 | | |
| 13 | PEMX | PETROLEOS MEXICANOS | ВВ | 37 | 0.7% | 2,709 | 1,656 | 1,053 | 1.6 | 82 | 1.3 | 2.7 | 4.8 | 6.1 | 7.3 |
| 14 | DAL | DELTA AIR LINES INC DEL | ВВ | 14 | 0.3% | 1,111 | 673 | 438 | 1.5 | 26 | 1.1 | 2.2 | 3.0 | 3.7 | |
| 15 | RY | ROYAL BANK OF CANADA | Α | 172 | 0.4% | 1,559 | 937 | 622 | 1.5 | 34 | 0.2 | 0.7 | 1.1 | 0.6 | |
| 16 | STT | STATE STR CORP | Α | 20 | 0.3% | 1,141 | 686 | 455 | 1.5 | 22 | | 0.5 | 0.9 | 1.7 | |
| 17 | TD | TORONTO DOMINION BK SR MEDIUM TERM BK NT | Α | 75 | 0.3% | 1,243 | 744 | 499 | 1.5 | 24 | 0.2 | 0.5 | 0.9 | | |
| 18 | CAT | CATERPILLAR | Α | 73 | 0.5% | 1,892 | 1,115 | 777 | 1.4 | 34 | 0.1 | 0.5 | 0.8 | 1.7 | 2.5 |
| 19 | APC | ANADARKO PETE CORP | ВВ | 70 | 0.6% | 2,507 | 1,459 | 1,048 | 1.4 | 50 | 1.5 | 2.5 | 3.1 | 3.2 | 4.6 |
| 20 | МО | ALTRIA GROUP INC | BBB | 24 | 0.4% | 1,837 | 1,062 | 775 | 1.4 | 52 | 0.3 | 1.0 | 1.2 | 2.5 | 3.8 |

Source: TRACE and Tradeweb Direct



⁻Based on odd-lot customer transactions (<100M) reported in TRACE.

⁻The top 20 issuers are selected among the top 100 most active issuers in odd-lot TRACE.

⁻Issuer ratings are based on median rating of traded bonds from each issuer. Bond ratings are from Moody's and S&P.

Corporate Bonds: Top 20 Issuers with Lowest Buy/Sell Ratio

July 2021

| Index | Ticker | Company | Rating Key (Med) | Issues Traded | % of Total Trades | Trades | Trades (Buy) | Trades (Sell) | Buy/Sell Ratio | Dollar Vol. Traded (MM) | 1Y Yield (Sell) | 3Y Yield (Sell) | 5Y Yield (Sell) | 10Y Yield (Sell) | 20Y Yield (Sell) |
|-------|--------|------------------------------------|------------------------|------------------|----------------------|--------|-----------------|------------------|-------------------|-------------------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| 1 | LNC | LINCOLN NATL CORP IND | BBB | 13 | 0.3% | 1,162 | 247 | 915 | 0.27 | 20 | 0.4 | 0.7 | 1.3 | 2.1 | 3.0 |
| 2 | WAG | WALGREEN CO | BBB | 10 | 0.3% | 1,051 | 325 | 726 | 0.45 | 20 | 0.5 | 0.9 | 1.4 | 2.2 | 3.5 |
| 3 | BCS | BARCLAYS | N/R | 523 | 0.3% | 1,259 | 408 | 851 | 0.48 | 29 | 1.1 | 1.4 | 2.1 | 2.7 | 3.2 |
| 4 | HBC | HSBC | N/R | 375 | 0.3% | 1,110 | 372 | 738 | 0.50 | 29 | 0.3 | 1.1 | 1.8 | 3.3 | 3.0 |
| 5 | NEE | FPL GROUP CAP INC | BBB | 48 | 0.4% | 1,502 | 515 | 987 | 0.52 | 29 | 0.4 | 0.9 | 0.8 | 2.0 | 2.6 |
| 6 | ANTM | Null | Α | 27 | 0.4% | 1,552 | 566 | 986 | 0.57 | 31 | 0.4 | 0.8 | 1.1 | 2.0 | 2.9 |
| 7 | EXC | EXELON GENERATION CO LLC | BBB | 74 | 0.3% | 1,080 | 395 | 685 | 0.58 | 28 | 0.5 | 1.0 | 1.2 | 2.1 | 4.2 |
| 8 | BRK | BERKSHIRE HATHAWAY | AA | 146 | 0.8% | 3,096 | 1,157 | 1,939 | 0.60 | 85 | 0.3 | 0.5 | 1.0 | 1.9 | 2.9 |
| 9 | CHTR | CCO HOLDINGS LLC | BBB | 38 | 0.2% | 974 | 378 | 596 | 0.63 | 36 | 0.5 | 1.2 | | 2.5 | 3.6 |
| 10 | RDS | SHELL | AA | 26 | 0.4% | 1,667 | 650 | 1,017 | 0.64 | 37 | 0.3 | 0.8 | 1.1 | 1.8 | 2.8 |
| 11 | Т | AT&T | BBB | 114 | 1.4% | 5,619 | 2,284 | 3,335 | 0.68 | 129 | 0.4 | 0.7 | 1.5 | 2.1 | 3.3 |
| 12 | V | VIVENDI | AA | 13 | 0.3% | 1,355 | 554 | 801 | 0.69 | 26 | 0.2 | | 0.9 | 1.6 | 2.6 |
| 13 | DELL | DELL | BBB | 24 | 0.3% | 1,346 | 552 | 794 | 0.70 | 39 | 0.5 | 1.2 | 1.6 | 2.3 | 4.0 |
| 14 | MSFT | MICROSOFT CORP | AAA | 35 | 0.6% | 2,482 | 1,024 | 1,458 | 0.70 | 49 | 0.3 | 0.3 | 1.0 | | 2.4 |
| 15 | ETP | ENERGY TRANSFER PARTNERS L P | BBB | 35 | 0.3% | 1,367 | 572 | 795 | 0.72 | 35 | 0.7 | 1.4 | 2.0 | 2.5 | 4.2 |
| 16 | PEP | PEPSICO | Α | 39 | 0.4% | 1,537 | 642 | 895 | 0.72 | 33 | 0.2 | 0.6 | 0.9 | 1.6 | 2.5 |
| 17 | KMI | KINDER MORGAN ENERGY PARTNERS L P | BBB | 58 | 0.3% | 1,367 | 579 | 788 | 0.73 | 32 | 0.4 | 0.8 | 2.8 | 2.8 | 3.6 |
| 18 | BUD | ANHEUSER BUSCH INBEV WORLDWIDE INC | BBB | 35 | 0.5% | 2,069 | 890 | 1,179 | 0.75 | 52 | | | 1.1 | 1.9 | 3.3 |
| 19 | SPG | SIMON PPTY GROUP L P | Α | 22 | 0.3% | 1,288 | 551 | 737 | 0.75 | 28 | 0.4 | 0.7 | 1.1 | 2.0 | 3.0 |
| 20 | MS | MORGAN STANLEY | Α | 648 | 1.6% | 6,459 | 2,795 | 3,664 | 0.76 | 149 | 0.5 | 0.9 | 1.4 | 2.3 | 2.9 |

Source: TRACE and Tradeweb Direct



⁻Based on odd-lot customer transactions (<100M) reported in TRACE.

⁻The top 20 issuers are selected among top 100 most active issuers in odd-lot TRACE.

⁻Issuer ratings are based on median rating of traded bonds from each user. Bond ratings are from Moody's and S&P.

Corporate Bonds: Top 20 Most Bought Issues

July 2021

| Index | Ticker | Company | Maturity | Rating Key (Med) | Coupon | Trades (Buy) | Trades (Sell) | Trades | Dollar Vol. Traded (MM) | Yield (Buy) | Yield (Sell) | Price (Buy) | Price (Sell) |
|-------|--------|--|----------|---------------------|--------|--------------|---------------|--------|-------------------------------|-------------|--------------|-------------|--------------|
| 1 | GE | GENERAL ELEC CAP CORP MEDIUM TERM NTS BO | Aug-50 | BBB | 3.449 | 1,437 | 466 | 1,903 | 37 | 3.5 | 3.5 | 98.0 | 97.7 |
| 2 | EIX | EDISON MISSION | Aug-50 | ВВ | 5.375 | 1,314 | 21 | 1,335 | 29 | | | 102.0 | 101.4 |
| 3 | SCHW | SCHWAB CHARLES CORP NEW | Null | BBB | 5.375 | 867 | 93 | 960 | 11 | | | 111.1 | 111.4 |
| 4 | BAC | BANK OF AMERICA | Null | BBB | 5.200 | 649 | 55 | 704 | 8 | 5.0 | 5.0 | 104.4 | 104.0 |
| 5 | GM | GENERAL MOTORS FINANCIAL COMPANY INC | Jun-26 | BBB | 1.500 | 643 | 21 | 664 | 13 | 1.5 | 1.5 | 99.8 | 99.9 |
| 6 | ВК | BANK NEW YORK INC MEDIUM TERM SR NTS BOO | Dec-49 | BBB | 4.500 | 599 | 54 | 653 | 5 | 4.3 | 4.4 | 104.0 | 103.3 |
| 7 | JPM | JP MORGAN CHASE | Null | BBB | 3.650 | 591 | 34 | 625 | 19 | | | 102.0 | 100.7 |
| 8 | APC | ANADARKO PETE CORP | Jul-22 | ВВ | 4.000 | 552 | 6 | 558 | 6 | 1.5 | 1.7 | 101.8 | 101.6 |
| 9 | JPM | JP MORGAN CHASE | Sep-24 | BBB | 3.875 | 474 | 119 | 593 | 7 | 1.0 | 0.9 | 109.1 | 109.0 |
| 10 | TEVA | TEVA PHARMACEUTICAL FIN CO B V | Oct-26 | ВВ | 3.150 | 458 | 110 | 568 | 11 | 4.1 | 4.2 | 95.8 | 95.3 |
| 11 | ALLY | ALLY FINANCIAL | Aug-50 | ВВ | 4.700 | 447 | 67 | 514 | 10 | | | 104.3 | 104.6 |
| 12 | ABBV | ABBVIE INC | Nov-24 | BBB | 2.600 | 427 | 53 | 480 | 6 | 0.9 | 0.9 | 105.5 | 105.6 |
| 13 | GS | GOLDMAN SACHS | May-29 | А | 4.223 | 414 | 49 | 463 | 4 | | | 114.8 | 114.7 |
| 14 | МОН | MOLINA HEALTHCARE INC | Nov-22 | ВВ | 5.375 | 411 | 33 | 444 | 7 | 1.0 | 1.2 | 104.6 | 104.4 |
| 15 | SCHW | SCHWAB CHARLES CORP NEW | Null | BBB | 4.000 | 410 | 72 | 482 | 14 | | | 104.5 | 103.6 |
| 16 | PBFQ | PBF HLDG CO LLC / PBF FIN CORP | Jun-25 | В | 7.250 | 407 | 117 | 524 | 6 | 21.0 | 19.9 | 64.6 | 66.8 |
| 17 | SAVE | Null | May-26 | N/R | 1.000 | 379 | 10 | 389 | 2 | 2.2 | 2.4 | 94.6 | 93.9 |
| 18 | JPM | JP MORGAN CHASE | Oct-26 | Α | 2.950 | 373 | 270 | 643 | 7 | 1.3 | 1.3 | 107.8 | 107.8 |
| 19 | GNW | GENWORTH | Aug-23 | С | 4.900 | 368 | 19 | 387 | 4 | 4.1 | 4.4 | 101.6 | 100.9 |
| 20 | STT | STATE STR CORP | Jan-30 | A | 2.400 | 368 | 16 | 384 | 5 | 1.7 | 1.7 | 105.8 | 105.4 |
| | | | | | | | | | | | | | |

Source: TRACE and Tradeweb Direct



⁻Based on odd-lot customer transactions (<100M) reported in TRACE.

⁻Ratings (AAA, AA, A, BBB, BB, B, C) are based on aggregate ratings from Moody's and S&P (when available).

Corporate Bonds: Top 20 Most Sold Issues

July 2021

| Inde | x Ticker | Company | Maturity | Rating Key (Med) | Coupon | Trades (Buy) | Trades (Sell) | Trades | Dollar Vol. Traded (MM) | Yield (Buy) | Yield (Sell) | Price (Buy) | Price (Sell) |
|------|----------|--|----------|---------------------|--------|--------------|---------------|--------|-------------------------------|-------------|--------------|-------------|--------------|
| 1 | SJM | SMUCKER J M CO | Oct-21 | BBB | 3.500 | 34 | 840 | 874 | 19 | 0.3 | 0.3 | 100.9 | 100.8 |
| 2 | LNC | LINCOLN NATL CORP IND | Apr-67 | BBB | 2.174 | 26 | 503 | 529 | 7 | | | 88.1 | 87.0 |
| 3 | CVS | CVS CAREMARK CORP | Mar-28 | BBB | 4.300 | 331 | 482 | 813 | 15 | 1.8 | 1.8 | 115.4 | 115.3 |
| 4 | GE | GENERAL ELEC CAP CORP MEDIUM TERM NTS BO | Aug-50 | BBB | 3.449 | 1,437 | 466 | 1,903 | 37 | 3.5 | 3.5 | 98.0 | 97.7 |
| 5 | CMCS | COMCAST | Oct-28 | Α | 4.150 | 218 | 446 | 664 | 13 | 1.7 | 1.7 | 116.3 | 116.1 |
| 6 | VZ | VERIZON | Nov-24 | BBB | 3.500 | 295 | 410 | 705 | 6 | 0.7 | 0.7 | 108.4 | 108.3 |
| 7 | ANTM | Null | Oct-42 | Α | 2.750 | 50 | 366 | 416 | 8 | | | 546.5 | 537.5 |
| 8 | NEE | FPL GROUP CAP INC | Oct-66 | BBB | 2.212 | 28 | 356 | 384 | 3 | | | 95.6 | 94.3 |
| 9 | AAPL | APPLE INC | Feb-26 | AA | 3.250 | 205 | 333 | 538 | 5 | 0.9 | 0.9 | 110.0 | 109.8 |
| 10 | BAC | BANK OF AMERICA | Jul-23 | Α | 2.816 | 182 | 331 | 513 | 3 | | | 102.4 | 102.3 |
| 11 | WPG | Null | Aug-24 | N/R | 6.450 | 71 | 310 | 381 | 4 | | | 61.9 | 62.1 |
| 12 | AAPL | APPLE INC | May-23 | AA | 2.400 | 183 | 305 | 488 | 10 | 0.3 | 0.3 | 103.7 | 103.7 |
| 13 | WAG | WALGREEN CO | Apr-50 | BBB | 4.100 | 7 | 296 | 303 | 5 | 3.5 | 3.5 | 111.1 | 111.1 |
| 14 | CNP | CENTERPOINT ENERGY INC | May-44 | BBB | 5.000 | 20 | 295 | 315 | 11 | 4.2 | 4.4 | 110.9 | 108.7 |
| 15 | BAC | BANK OF AMERICA | Jan-23 | Α | 3.300 | 132 | 281 | 413 | 9 | 0.4 | 0.4 | 104.3 | 104.3 |
| 16 | С | CITIGROUP | Jul-28 | BBB | 3.668 | 179 | 272 | 451 | 5 | | | 110.9 | 110.7 |
| 17 | ORCL | ORACLE CORP | Nov-27 | BBB | 3.250 | 300 | 272 | 572 | 6 | 1.6 | 1.7 | 109.3 | 109.1 |
| 18 | JPM | JP MORGAN CHASE | Oct-26 | Α | 2.950 | 373 | 270 | 643 | 7 | 1.3 | 1.3 | 107.8 | 107.8 |
| 19 | GILD | GILEAD SCIENCES INC | Feb-25 | BBB | 3.500 | 228 | 260 | 488 | 4 | 0.9 | 0.9 | 108.5 | 108.4 |
| 20 | LNC | LINCOLN NATL CORP IND | May-66 | BBB | 2.513 | 134 | 258 | 392 | 8 | | | 91.0 | 89.4 |
| | | | | | | | | | | | | | |

Source: TRACE and Tradeweb Direct



⁻Based on odd-lot customer transactions (<100M) reported in TRACE.

⁻Ratings (AAA, AA, A, BBB, BB, B, C) are based on aggregate ratings from Moody's and S&P (when available).

Appendix

Maturity

We consider the following maturity ranges for maturity buckets. TTM is Time to Maturity in years.

1Y: 0.5 <= TTM <= 1.5 3Y: 2 <= TTM <= 4 5Y: 4 < TTM <= 6 10Y: 7.5 <= TTM <= 12.5 20Y: 15 <= TTM <=25

Rating

Rating buckets (AAA, AA, A, BBB, HY) in yield matrix are based on agggregate ratings from Moody's and S&P (when available).

For Corporate, we only consider transactions in bonds that are rated by both rating agencies.

- -Corporate AAA: Bonds rated AAA by both rating agencies.
- -Corporate AA: Bonds rated AA by both rating agencies.
- -Corporate A: Bonds rated A by both rating agencies.
- -Corporate BBB: Bonds rated BBB by both rating agencies.
- -Corporate High Yield: Bonds rated High Yield by both rating agencies.

(Transactions in corporate bonds that are rated as AA by one agency and as A by another agency are excluded.)

- -Municipal AAA: Bonds rates AAA by both rating agencies, or AAA by one agency and not rated by another agency.
- -Municipal AA: Bonds rated AA by both rating agencies, or AA by one agency and not rated by another agency.
- -Municipal A: Bonds rated A by both rating agencies, or A by ones agency and not rated by another agency.
- -Municipal BBB: Bonds rated High Yield by both rating agencies, or BBB by one agency and not rated by another agency.
- -Municipal High Yield: Bonds rated High Yield by both rating agencies, or High Yield by one agency and not rated by another agency.

(Transactions in municipal bonds that are rated as AA by one agency and as A by another agency are excluded.)

(Transactions in municipal bonds that are rated as AA by one agency and not rated by the other agency are included.)



Disclosures

This report represents certain customer trades in securities that have been reported by dealers to FINRA's Trade Reporting and Compliance Engine ("TRACE"), and the Municipal Securities Rulemaking Board ("MSRB"). The report does not necessarily reflect all transactions that were effected on dates noted. There is the possibility of errors or delays in the trade submission process. Prices for transactions vary with market conditions and can be affected by trade size and other factors. The information provided has been obtained from sources deemed to be reliable, however Tradeweb Direct does not guarantee the accuracy of the information contained in this report.

Fixed income securities are subject to increased loss of principal during periods of rising interest rates. Fixed-income investments are subject to various risks including changes in credit quality, market valuations, liquidity, prepayments, early redemption, corporate events, tax ramifications and other factors. Defaults on interest payments and/or principal may also occur. Projections, results and assumptions contained herein reflect past performance of the referenced securities and asset classes. Past performance is no guarantee of future results. The investment return and principal value of an investment will fluctuate such that an investment, if and when redeemed, may be worth more or less than its original cost.

This information is intended for general informational purposes only, and should not be used as the sole basis for any investment decisions. None of the information in the report constitutes an offer or solicitation to buy or sell any security or financial product, a recommendation concerning any security, financial product or asset class, or an offer to provide investment advice or any other service. Where appropriate, please consult with a qualified financial and tax professional.

