

Market Transparency Report

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

June 2014

As of Jun 30, 2014

www.tradeweb.com

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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.

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Treasury, Agency and CD

 U.S. Treasury and Agency yields saw a moderate increase in June but trade volume decreased slightly from the previous month to hit 12-month lows. Treasury trade volume was down more than 16% and Agency trade volume was 20% lower than the previous year. CD yields remained close to May levels and trade volume for CDs increased slightly, closing 2% higher from the end of May. The buy-to-sell ratio for Treasury and Agency increased slightly, while the CD buy-to-sell ratio decreased during the month of June.

Corporate

• The declining trend in daily trade volume for corporate bonds continued in June. The median yield fell in comparison to May, reaching a 12-month low. The median credit spreads dropped from the previous month, while buy-to-sell ratio for corporate bonds saw a slight increase.

Municipal

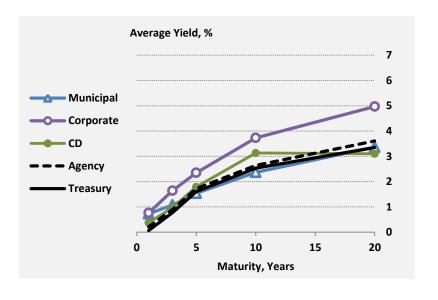
 Median yields and credit spreads for municipal bonds in June remained close to levels seen in May and at 12-month lows. There was a 4% rise in municipal bond daily trade volume relative to the previous month. In addition, the buy-to-sell ratio climbed marginally compared to May.



Yield Matrix

Average Yield, %	Asset		Mat	Median			
Jun-14	Class	1	3	5	10	20	Maturity, Years
	Treasury	0.1	0.8	1.6	2.5	3.4	0.9
	Agency	0.2	0.9	1.7	2.6	3.6	3
	CD	0.4	1.0	1.8	3.1	3.1	1.5
	Corporate	0.8	1.6	2.4	3.7	5.0	5
	Municipal	0.7	1.1	1.5	2.4	3.4	14

				Mat	ears		Median	
Asset Class		Rating	1	3	5	10	20	Maturity, Years
		AAA	-	-	-	-	-	-
		AA	0.4	1.0	1.8	2.9	4.5	3
	Financial	Α	0.5	1.3	2.1	3.4	4.5	5
		BBB	0.7	1.5	2.6	3.9	5.5	5
Camanata		High Yield	1.3	3.1	3.6	4.9	6.8	3
Corporate		AAA	0.3	-	1.8	2.8	3.8	6
		AA	0.3	1.0	2.0	2.9	4.2	3
	Non- Financial	Α	0.5	1.7	2.2	3.5	4.0	7
		BBB	0.8	1.5	2.7	4.2	5.2	9
		High Yield	4.9	6.5	5.5	6.1	7.7	9
		AAA	0.4	0.7	1.1	1.9	2.7	11
	6 1	AA	0.5	0.8	1.3	2.2	3.3	12
	General Obligation	Α	0.6	0.9	1.4	2.2	3.1	12
	Obligation	BBB	0.9	1.5	1.9	3.0	3.5	28
Municipal		High Yield	6.1	7.6	5.9	9.0	8.7	9
Municipal		AAA	0.5	0.7	1.3	2.0	2.9	11
		AA	0.5	0.8	1.4	2.2	3.1	14
	Revenue	Α	0.6	1.0	1.6	2.6	3.4	18
		BBB	1.0	1.7	2.4	3.2	3.7	19
		High Yield	8.0	6.8	10.0	7.6	6.4	16

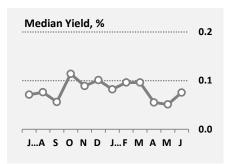


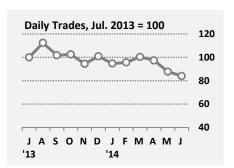
- The yields in each cell for Corporate/Agency/Municipal are the weighted average yield based on odd-lot customer buy transactions reported in TRACE/MSRB.
- The yields in each cell for Treasury/CD are the weighted average yield based on buy transactions on the Tradeweb Direct Platform.
- The weights 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.

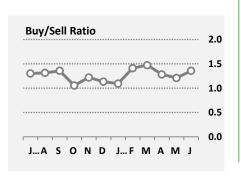


Treasury, Agency, CD Transaction Trend Summary

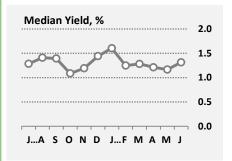
Treasury

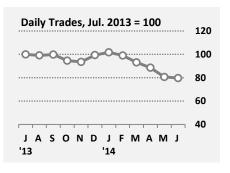


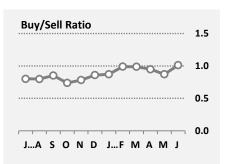




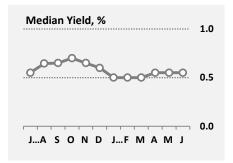
Agency

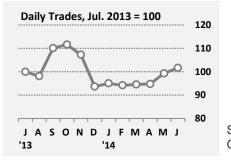


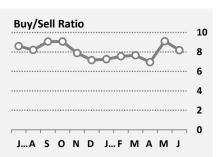




CD







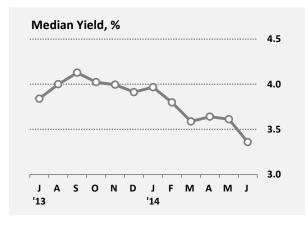
Source: TRACE and BondDesk Group as of 6/30/2014.

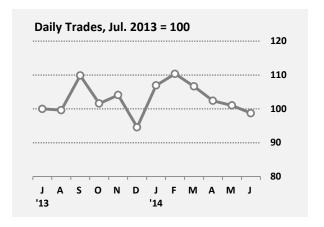
Treasury and CD are based on transactions on the Tradeweb Direct Platform. Median yields are based on all customer buy transactions.

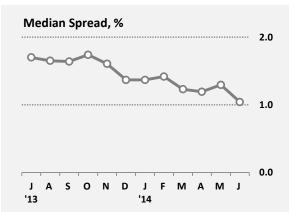
Agency is based on odd-lot customer transactions (<100M) reported in TRACE. Median yields are based on all odd-lot customer buy transactions.

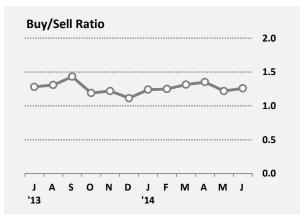


Corporate Bonds: Odd-Lot Customer Transaction Trend Summary





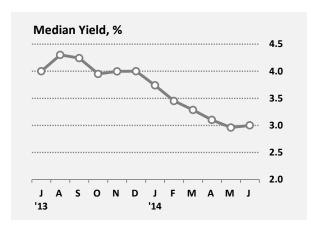


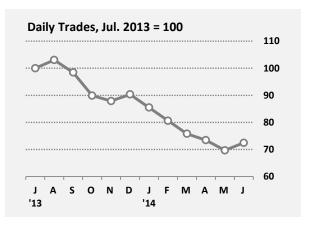


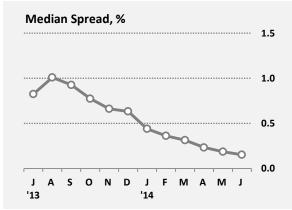
- Based on odd-lot customer transactions (<100M) reported in TRACE.
- Median yields and spreads are based on all odd-lot customer buy transactions.
- Spread for each transaction is calculated against the Treasury yield for the same maturity.

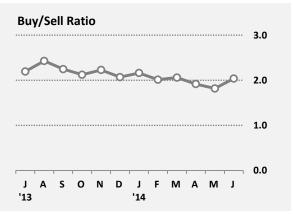


Municipal Bonds: Odd-Lot Customer Transaction Trend Summary









- 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

June 2014

	Issuer			Issues	% of	Num of	Buy/Sell	Dollar Vol.	Median Yield (%), Investor Buys						
		* Issuer Name	Rating	Traded	Trades	Trades	Ratio	Traded (in Millions)	1Y	3Y	5Y	10Y	20Y		
1	GS	GOLDMAN SACHS	ВВВ	628	3.7	12,163	0.9	303	0.7	1.8	2.3	3.7	4.7		
2	ВАС	BANK OF AMERICA	ВВВ	646	3.7	12,066	0.7	217	0.7	1.5	2.4	3.5	3.4		
3	GE	GENERAL ELECTRIC	AA	500	3.6	11,880	1.2	270	0.5	1.4	2.1	3.2	4.1		
4	JPM	JP MORGAN CHASE	Α	425	2.8	9,277	1.2	203	0.6	1.6	2.3	3.4	6.0		
5	MS	MORGAN STANLEY	ВВВ	666	2.5	7,996	0.7	183	0.8	1.4	2.2	3.8	1.1		
6	С	CITIGROUP	ВВВ	286	2.0	6,598	1.3	154	0.7	1.3	2.1	3.6	4.8		
7	WFC	WELLS FARGO	Α	206	1.7	5,646	1.5	139	0.4	1.3	2.0	3.6	3.4		
8	PBR	PETROBRAS	ВВВ	25	1.4	4,605	2.1	134	1.7	2.4	3.9	5.0	-		
9	T	AT&T	Α	65	1.4	4,523	1.4	99	0.6	1.5	2.0	3.1	4.7		
10	VZ	VERIZON	ВВВ	67	1.3	4,224	1.2	91	0.6	1.0	2.0	3.5	4.9		
11	CLF	CLIFFS NATURAL RESOURCES	ВВВ	5	1.2	3,802	2.4	87	-	3.4	5.1	-	-		
12	BRK	BERKSHIRE HATHAWAY	AA	120	1.1	3,504	1.9	87	0.3	1.3	1.8	2.9	4.7		
13	PDVA	PETROLEOS DE VENEZUELA SA	N/R	12	1.1	3,467	0.9	88	-	-	-	-	-		
14	нвс	HSBC	A	442	0.9	2,922	0.7	80	0.7	1.8	2.6	3.1	4.7		
15	CTL	CENTURYLINK	ВВ	35	0.9	2,892	1.0	69	0.9	1.7	4.0	4.9	5.5		
16	BCS	BARCLAYS	A	470	0.8	2,704	0.6	50	0.6	1.4	2.3	3.5	4.3		
17	AAPL	APPLE INC	AA	13	0.8	2,589	2.5	64	-	1.5	2.0	3.1	-		
18	PPL	PPL ENERGY SUPPLY	ВВ	27	0.8	2,452	1.2	53	1.8	3.1	-	4.8	6.3		
19	AA	ALCOA	ВВВ	10	0.7	2,387	0.7	58	-	2.5	2.9	4.2	5.9		
20	F	FORD	ВВВ	113	0.7	2,343	1.2	55	0.8	1.3	2.3	3.3	4.9		

- 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.



^{*} Actual issue symbol will vary.

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

June 2014

	Issuer			Issues Traded	% of Trades	Num of Trades			– Buy/Sell	Dollar Vol.	Median Yield (%), Investor Buys				
		Issuer Name	Rating			All	Buys	Sells	Ratio	Traded (in Millions)	1Y	3Y	5Y	10Y	20Y
1	AGN	ALLERGAN INC	Α	4	0.5	1,617	1,596	21	76	36	-	2.2	-	4.0	-
2	CHRC	REVIVAL PENTE TABERNACLE	N/R	64	0.4	1,431	1,365	66	21	11	-	-	-	-	-
3	FE	FIRSTENERGY CORP	ВВВ	23	0.5	1,629	1,526	103	15	18	-	2.1	2.3	4.2	5.7
4	IEP	ICAHN ENTERPRISES	ВВ	4	0.4	1,264	1,163	101	12	26	-	2.8	3.7	4.9	-
5	AGO	ASSURED GTY U S HLDGS INC	Α	4	0.4	1,413	1,230	183	7	33	-	-	-	4.6	5.7
6	AVP	AVON PRODUCTS	BBB	7	0.4	1,222	1,061	161	7	30	-	2.8	3.6	4.7	-
7	вти	PEABODY ENERGY	ВВ	6	0.6	2,039	1,759	280	6	40	-	2.9	4.7	7.1	-
8	ADT	ADT CORP	ВВ	6	0.3	957	802	155	5	20	-	2.2	3.8	4.8	-
9	WMB	WILLIAMS COS INC	ВВВ	25	0.3	927	767	160	5	23	0.7	1.9	2.8	4.2	-
10	NSM	Nationstar Mortgage LLC	В	5	0.2	653	500	153	3	12	-	4.5	5.6	6.4	-
11	TEVA	TEVA PHARMACEUTICAL FIN CO B V	Α	8	0.2	675	513	162	3	16	0.5	1.0	2.6	3.5	-
12	NDAQ	NASDAQ OMX GROUP INC	ВВВ	4	0.3	874	656	218	3	21	-	2.3	3.4	4.1	-
13	DIS	WALT DISNEY	Α	24	0.4	1,300	968	332	3	26	0.4	0.6	2.0	2.9	4.0
14	PSEC	PROSPECT CAPITAL CORPORATION	ВВВ	108	0.3	916	682	234	3	18	-	2.5	4.0	5.1	5.8
15	RIG	TRANSOCEAN INC	ВВВ	14	0.2	631	466	165	3	15	1.0	1.9	-	4.0	5.5
16	PG	PROCTER & GAMBLE CO	AA	22	0.3	1,030	757	273	3	24	0.4	0.7	1.7	2.7	4.0
17	AAPL	APPLE INC	AA	13	0.8	2,589	1,854	735	3	64	-	1.5	2.0	3.1	-
18	AMGN	AMGEN INC	Α	26	0.4	1,397	991	406	2	26	-	1.2	2.2	3.4	4.7
19	CLF	CLIFFS NATURAL RESOURCES	BBB	5	1.2	3,802	2,690	1,112	2	87	-	3.4	5.1	-	-
20	KMI	KINDER MORGAN ENERGY PARTNERS L P	BBB	69	0.5	1,649	1,158	491	2	39	0.8	1.6	2.4	3.8	5.0

- 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 issuer. Bond ratings are from Moody's and S&P.
- * Actual issue symbol will vary.



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

June 2014

	Issuer			Issues	% of	Num of Trades			- Buy/Sell	Dollar Vol.	Median Yield (%), Investor Sells					
		e* Issuer Name	Rating		Trades	All	Buys	Sells	Ratio	Traded (in Millions)	1Y	3 Y	5Y	10Y	20Y	
1	GNW	GENWORTH	BBB	11	0.3	893	195	698	0.3	22.4	-	2.4	3.5	4.1	5.0	
2	DYN	DYNEGY	С	4	0.3	913	202	711	0.3	18.4	-	7.9	6.9	5.8	8.2	
3	TWC	TIME WARNER	BBB	17	0.3	1,021	256	765	0.3	27.3	0.7	2.0	2.7	3.9	4.9	
4	DELL	DELL	В	8	0.4	1,463	395	1,068	0.4	33.9	1.7	3.8	4.4	-	7.1	
5	MT	ArcelorMitta	ВВ	12	0.5	1,585	433	1,152	0.4	41.9	1.3	3.4	4.1	4.9	-	
6	SFTBF	SPRINT	В	13	0.6	2,000	575	1,425	0.4	47.2	-	2.4	4.5	5.5	7.1	
7	TI	TELECOM ITALIA	ВВ	9	0.3	920	292	628	0.5	27.3	1.6	3.1	3.7	-	6.3	
8	CS	CREDIT SUISSE	А	183	0.5	1,568	520	1,048	0.5	36.5	0.6	2.3	3.2	4.2	-	
9	BCS	BARCLAYS	А	470	0.8	2,704	1,000	1,704	0.6	49.9	1.2	2.0	2.9	5.5	4.6	
10	СОР	ConocoPhillips	А	23	0.2	793	319	474	0.7	15.6	0.5	1.0	2.0	3.1	4.3	
11	AA	ALCOA	ВВВ	10	0.7	2,387	968	1,419	0.7	57.6	-	2.3	3.2	4.4	6.0	
12	нвс	HSBC	Α	442	0.9	2,922	1,192	1,730	0.7	80.4	1.3	2.3	3.1	3.1	5.0	
	CMCS	COMCAST	Α	37	0.4	1,300	538	762	0.7	32.0	0.6	1.4	2.5	3.3	4.5	
	AXP	AMERICAN EXPRESS	А	35	0.5	1,684	702	982	0.7	36.0	0.6	1.3	2.0	3.0	4.6	
15	ВАС	BANK OF AMERICA	ВВВ	646	3.7	12,066	5,103	6,963	0.7	217.1	1.1	1.9	2.9	3.6	5.3	
16	DUK	DUKE ENERGY	Α	82	0.2	743	315	428	0.7	18.9	0.7	1.3	2.4	3.2	4.5	
17	MS	MORGAN STANLEY	BBB	666	2.5	7,996	3,393	4,603	0.7	182.7	1.0	1.7	2.7	3.9	2.9	
18	AIG	AIG	ВВВ	43	0.5	1,590	675	915	0.7	36.9	1.5	1.6	2.3	4.6	4.5	
19	PRU	PRUDENTIAL	Α	46	0.3	981	418	563	0.7	22.0	0.7	1.7	2.7	3.6	4.6	
20	UBS	UBS	А	190	0.2	801	342	459	0.7	10.4	1.2	1.7	1.9	4.7	-	

- 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 issuer. Bond ratings are from Moody's and S&P.
- * Actual issue symbol will vary.



Corporate Bonds: Top 20 Most Bought Issues

June 2014

		Issuer	Coupon	Maturity		Numb	er of 1	rades	Dollar Vol.	Median Yield, %		Median Price	
	Issue	Reference*			Rating	Buys	Sells	Total	Traded (in Million)	Buys	Sells	Buys	Sells
1	FIRSTENERGY CORP	FE	7.375	Nov-31	BBB	1,128	12	1,140	8.3	5.7	5.8	118.6	117.1
2	ASSURED GTY US HLDGS INC	AGO	5.000	Jul-24	Α	1,111	10	1,121	25.2	4.6	4.8	103.0	101.5
3	ALLERGAN INC	AGN	3.375	Sep-20	Α	1,023	13	1,036	22.2	3.5	3.7	99.4	98.4
4	BANK AMER CORP	ВАС	5.125	Jun-49	ВВ	853	48	901	21.0	-	-	100.7	100.0
5	CLIFFS NAT RES INC	CLF	6.250	Oct-40	BBB	817	285	1,102	23.1	7.3	7.6	87.4	84.5
6	PEABODY ENERGY CORP	BTU	6.500	Sep-20	ВВ	739	82	821	16.2	6.1	6.4	102.3	100.5
7	JPMORGAN CHASE & CO	JPM	5.000	Jan-49	BBB	729	9	738	21.8	-	-	100.9	100.0
8	ICAHN ENTERPRISES LP/CORP	IEP	5.875	Feb-22	ВВ	720	52	772	13.8	4.9	4.8	104.7	105.0
9	CITIGROUP INC	С	10.000	Jun-34	Α	713	0	713	15.1	-	-	99.8	-
10	PETROBRAS GLOBAL FINANCE B V	PBR	4.375	May-23	BBB	707	340	1,047	33.8	4.9	5.0	96.3	95.3
11	PPL ENERGY SUPPLY, LLC	PPL	4.600	Dec-21	ВВ	701	557	1,258	27.4	4.8	5.0	99.0	97.5
12	HEINZ H J CO	BRK	4.250	Oct-20	В	683	20	703	19.4	3.8	4.0	101.3	100.5
13	MORGAN STANLEY	MS	10.000	Jun-34	N/R	673	5	678	16.8	-	-	99.3	97.3
14	WACHOVIA CAP TR III	WFC	5.570	-	BBB	631	161	792	20.7	-	-	99.7	97.0
15	PEABODY ENERGY CORP	BTU	6.250	Nov-21	ВВ	630	31	661	12.6	6.1	6.2	100.8	100.0
16	CLIFFS NATURAL RESOURCES	CLF	4.800	Oct-20	BBB	625	214	839	19.9	5.0	5.4	98.7	96.8
17	CLIFFS NATURAL RESOURCES	CLF	4.875	Apr-21	BBB	594	300	894	21.4	5.1	5.4	98.5	97.0
18	EV ENERGY PARTNERS L P	EVNT	8.000	Apr-19	В	570	7	577	6.3	5.6	6.0	105.7	105.1
19	AVON PRODS INC	AVP	5.000	Mar-23	BBB	497	52	549	13.0	4.7	5.0	101.9	100.3
20	COEUR MNG INC	CDE	7.875	Feb-21	В	494	26	520	10.2	7.8	7.9	100.3	100.0

- 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).



^{*} Actual issue symbol will vary.

Corporate Bonds: Top 20 Most Sold Issues

June 2014

		Issuer	Coupon	Maturity		Numl	ber of 1	rades	Dollar Vol.	Median Yield, %		Median Price	
	Issue	Reference*			Rating	Buys	Sells	Total	Traded (in Million)	Buys	Sells	Buys	Sells
1	SPRINT CAP CORP	SFTBF	6.875	Nov-28	В	145	583	728	15.7	6.5	6.7	103.7	102.0
2	SPRINT NEXTEL CORP	SFTBF	6.000	Nov-22	В	264	575	839	21.7	5.3	5.5	104.5	103.5
3	PPL ENERGY SUPPLY, LLC	PPL	4.600	Dec-21	ВВ	701	557	1,258	27.4	4.8	5.0	99.0	97.5
4	GOLDMAN SACHS CAP I	GS	6.345	Feb-34	BBB	13	465	478	12.4	5.2	5.4	113.8	111.7
5	PETROLEOS DE VENEZUELA SA SR NT	PDVA	5.000	Oct-15	N/R	86	445	531	12.7	-	-	95.0	94.8
6	AMERENENERGY GENERATING CO	DYN	6.300	Apr-20	С	28	393	421	7.5	6.6	6.9	98.4	97.4
7	PPL ENERGY SUPPLY LLC	PPL	6.000	Dec-36	ВВ	469	375	844	17.8	6.3	6.3	98.1	96.0
8	ALCOA INC	AA	5.950	Feb-37	BBB	152	358	510	13.8	5.9	6.0	101.0	99.9
9	GOLDMAN SACHS GROUP INC	GS	6.450	May-36	BBB	11	357	368	8.5	5.1	5.3	117.8	115.1
10	PETROBRAS GLOBAL FINANCE B V	PBR	4.375	May-23	BBB	707	340	1,047	33.8	4.9	5.0	96.3	95.3
11	HECKMANN CORP	NES	9.875	Apr-18	В	156	331	487	6.1	8.1	8.5	104.3	103.3
12	ALCOA INC	AA	5.400	Apr-21	BBB	191	316	507	14.1	3.9	4.1	108.8	107.5
13	APPLE INC	AAPL	2.400	May-23	AA	486	314	800	17.8	3.1	3.2	94.4	94.2
14	CLIFFS NATURAL RESOURCES	CLF	4.875	Apr-21	BBB	594	300	894	21.4	5.1	5.4	98.5	97.0
15	GOLDMAN SACHS GROUP INC	GS	5.625	Jan-17	BBB	134	291	425	9.3	1.6	1.7	110.1	109.9
16	CENTURY LINK	CTL	7.600	Sep-39	BB	149	290	439	13.7	7.3	7.5	103.4	100.8
17	CLIFFS NAT RES INC	CLF	6.250	Oct-40	BBB	817	285	1,102	23.1	7.3	7.6	87.4	84.5
18	ARCELORMITTAL	MT	7.500	Oct-39	ВВ	49	259	308	8.2	6.7	6.8	109.6	108.7
19	GENERAL ELEC CAP CORP MTN BE	GE	5.875	Jan-38	AA	74	254	328	5.3	4.5	4.5	119.9	119.2
20	DELL INC	DELL	6.500	Apr-38	В	101	241	342	8.0	7.0	7.1	94.5	93.0



⁻ 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).

^{*} Actual issue symbol will vary.

Appendix

Maturity

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

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1Y: 0.5 <= TTM <= 1.5

3Y: 2 <= TTM <= 4

5Y: 4 < TTM <= 6

10Y: 7.5 <= TTM <= 12.5

20Y: 15 <= TTM <= 25
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Rating

Rating buckets (AAA, AA, A, BBB, HY) in yield matrix are based on aggregate 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.
- Corp 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 rated 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 one agency and not rated by another agency.
- Municipal BBB: Bonds rated BBB 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.

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