

Quarterly Statistical Summaries	
2022 Second Quarter: April - June	
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About the Quarterly Statistical Summaries

The MSRB's quarterly statistical summaries include aggregate municipal market information for the most recent quarter and cover different types of municipal issues, trades and interest rate resets. The MSRB publishes this information to regularly update certain data published annually in the *MSRB Fact Book* with the goal of providing market participants with historical statistics that can be further analyzed, studied and reviewed.

The quarterly summaries reflect aggregate trading activity at the end of each trading day as submitted to the MSRB's Real-Time Transaction Reporting System (RTRS).¹ The MSRB obtains some information on the characteristics of securities traded from Standard & Poor's Financial Services LLC and CUSIP databases furnished by CUSIP Global Services.² Additionally, the quarterly data includes the number of interest rate resets for variable rate demand obligations and auction rate securities, as well as the statistics related to continuing disclosure documents received through the MSRB's Electronic Municipal Market Access (EMMA®) website.

For additional data on municipal trading activity, interest rate resets, and continuing and primary market disclosures, please see the MSRB's 2021 Fact Book or visit the EMMA website at EMMA.MSRB.org.

¹ As described in a MSRB Rule G-14 interpretive notice from January 2, 2008 (Reporting of Transactions in Certain Special Trading Situations), some transactions are subject to special conditions indicating that they are not a typical arms-length transaction and possibly a misleading indicator of the market value of a security. These transactions may be excluded from the MSRB's transparency products, including data disseminated through the EMMA website, but may be included in this report.

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Highlights

Municipal Market Trade Summary

Par amount traded in the municipal securities market totaled \$1 billion in 2022:Q2, the highest par volume since 2020:Q1. Total number of trades in the first quarter totaled 3.40 million, the highest since the implementation of RTRS in 2005.

Most Actively Traded Municipal Securities

A Mississippi Business Finance Corporation security was the most active in terms of par traded with nearly \$3.0 billion in trading during the quarter, while a bond from the Commonwealth of Puerto Rico had the most trades with 1,808 trades.

Municipal Market Trades by Trade Type

Customer buying activity accounted for 36% of the 2.5 million trades in 2022:Q2, while customer sales accounted for 25% and interdealer trades accounted for 39% of all trades in the period.

Municipal Market Variable Securities Rate Resets

The number of variable rate demand obligations rate resets totaled 65,338 in 2022:Q2.

The number of auction rate securities rate resets totaled 471 in 2022:Q2.

Municipal Market Disclosures

The number of continuing disclosure documents received by the MSRB totaled 36,922 in 2022:Q2, with bond calls, annual and audited financial filings accounting for over 60% of all disclosures.

Transaction Summary

Total par amount traded in \$ millions

1,009,432.8
498,686.9
349,083.5
161,662.4

By Coupon Type	
Fixed Rate	717,131.0
Variable Rate	223,645.0
Zero Coupon	22,523.5
Other ¹	46,133.9

By Source of Repayment	
General Obligation	240,000.0
Revenue	738,000.0
Double Barrel	24,217.3
Other ¹	7,217.9

By Tax Status	
Tax Exempt	848,196.0
Taxable	91,288.4
AMT	62,883.2
Other ¹	7,065.3

¹ Includes municipal commercial paper and issues that could not be categorized based on available data.

Transaction Summary

Total number of trades

	2022:Q2
Total	3,430,367.0
By Trade Type	
Customer Bought	1,250,198
Customer Sold	851,346
Inter-Dealer	1,328,823
By Coupon Type	
Fixed Rate	3,316,190
Variable	63,967
Zero Coupon	46,436
Other ¹	3,774

By Source of Repayment	
General Obligation	1,250,620
Revenue	2,061,780
Double Barrel	117,378
Other ¹	588

By Tax Status	
Tax Exempt	3,198,632.00
Taxable	172,666.00
AMT	58,505.00
Other ¹	564.00

¹ Includes municipal commercial paper and issues that could not be categorized based on available data.

Top 50 Most Active Securities, 2022:Q2

By par amount

					Par Amount	Number of
Rank	CUSIP ¹	Issuer Name	Coupon	Maturity	(\$ Millions)	Trades
1	60528AAS3	MISSISSIPPI BUSINESS FIN CORP MISS GULF OPPORTUNITY ZONE INDL DEV REV	-	12/1/2030	3,017.8	113
2	74529JQH1	PUERTO RICO SALES TAX FING CORP SALES TAX REV	-	7/1/2051	2,974.0	519
3	402207AD6	GULF COAST INDL DEV AUTH TEX REV	-	11/1/2041	2,894.1	147
4	38122NB84	GOLDEN ST TOB SECURITIZATION CORP CALIF TOB SETTLEMENT REV	-	6/1/2066	2,655.1	119
5	74529JQG3	PUERTO RICO SALES TAX FING CORP SALES TAX REV	-	7/1/2046	2,512.0	550
6	270777AC9	EAST BATON ROUGE PARISH LA INC INDL DEV BRD REV	-	8/1/2035	2,508.8	162
7	89602HDR5	TRIBOROUGH BRDG & TUNL AUTH N Y PAYROLL MOBILITY TAX	5.25	5/15/2052	1,859.1	193
8	64971XFY9	NEW YORK N Y CITY TRANSITIONAL FIN AUTH REV	-	8/1/2045	1,820.3	157
9	914460WT3	UNIVERSITY MINN	4.05	4/1/2052	1,800.0	187
10	467229AF7	JACKSON CNTY MISS PORT FAC REV	-	6/1/2023	1,783.7	168
11	544351QM4	LOS ANGELES CALIF	4.00	6/29/2023	1,727.7	455
12	888805CJ5	TOBACCO SETTLEMENT AUTH IOWA TOB SETTLEMENT REV	-	6/1/2065	1,520.5	45
13	270777AD7	EAST BATON ROUGE PARISH LA INC INDL DEV BRD REV	-	12/1/2040	1,392.7	78
14	118217CZ9	BUCKEYE OHIO TOB SETTLEMENT FING AUTH	5.00	6/1/2055	1,387.1	758
15	23503CAN7	DALLAS FT WORTH TEX INTL ARPT REV	4.51	11/1/2051	1,384.7	292
16	913366KT6	UNIV CALIF REGTS MED CTR POOLED REV	4.00	5/15/2053	1,355.9	1,219
17	64966KTD5	NEW YORK N Y	-	3/1/2042	1,355.7	156
18	914455UH1	UNIVERSITY MICH UNIV REVS	3.50	4/1/2052	1,340.7	92
19	74514L3T2	PUERTO RICO COMWLTH	-	11/1/2043	1,339.2	1,808
20	544351PL7	LOS ANGELES CALIF	4.00	6/23/2022	1,176.9	413
21	54627RAP5	LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV AUTH SYS RESTORATION	4.48	8/1/2039	1,109.7	99
22	64990FW83	NEW YORK ST DORM AUTH ST PERS INCOME TAX REV	4.00	3/15/2039	1,084.4	95
23	45204FAG0	ILLINOIS FIN AUTH REV	-	8/15/2049	1,078.1	86
24	544657HZ5	LOS ANGELES CNTY CALIF	4.00	6/30/2023	1,060.6	237
25	13032UB23	CALIFORNIA HEALTH FACS FING AUTH REV	4.00	8/15/2048	1,056.4	622
26	91412GSK2	UNIVERSITY CALIF REVS	-	5/15/2048	1,049.7	240
27	362848RR6	GAINESVILLE FLA UTILS SYS REV	-	10/1/2042	1,045.9	94
28	64971XHT8	NEW YORK N Y CITY TRANSITIONAL FIN AUTH REV	-	8/1/2042	1,010.9	141
29	745160SJ1	PUERTO RICO COMWLTH AQUEDUCT & SWR AUTH REV	5.00	7/1/2047	959.0	79
30	913366KS8	UNIV CALIF REGTS MED CTR POOLED REV	5.00	5/15/2047	957.9	219
31	913366KW9	UNIV CALIF REGTS MED CTR POOLED REV	4.56	5/15/2053	951.4	146
32	74514L4G9	PUERTO RICO COMWLTH	-	11/1/2051	935.9	1,138
33	54627RAM2	LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV AUTH SYS RESTORATION	4.15	2/1/2033	924.5	94
34	64966ML98	NEW YORK N Y	-	12/1/2047	905.6	83
35	64971WUS7	NEW YORK N Y CITY TRANSITIONAL FIN AUTH REV	-	8/1/2041	904.1	84
36	160853VA2	CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV	-	1/15/2042	903.6	144
37	546598AA1	LOUISVILLE & JEFFERSON CNTY KY REGL ARPT AUTH SPL FACS REV	-	1/1/2029	898.6	67
38	91412GSJ5	UNIVERSITY CALIF REVS	-	5/15/2048	897.8	170
39	54627RAN0	LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV AUTH SYS RESTORATION	4.28	2/1/2036	854.0	77
40	64990FW75	NEW YORK ST DORM AUTH ST PERS INCOME TAX REV	4.00	3/15/2038	849.0	70
41	821697L23	SHELBY CNTY TENN HEALTH EDL & HSG FACS BRD REV	-	6/1/2042	830.3	50
42	64972GZB3	NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV	-	6/15/2045	827.9	122
43	09182RAR2	BLACK BELT ENERGY GAS DIST ALA GAS PREPAY REV	4.00	12/1/2049	821.2	189
44	54627RAL4	LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV AUTH SYS RESTORATION	3.62	2/1/2029	818.8	68
45	79208EBY8	ST LUCIE CNTY FLA SOLID WASTE DISP REV	-	5/1/2024	805.0	107
46	733908AL1	PORT CORPUS CHRISTI AUTH TEX NUECES CNTY SOLID WASTE DISP REV	-	7/1/2029	804.5	59
47	13013JBJ4	CALIFORNIA CMNTY CHOICE FING AUTH CLEAN ENERGY PROJ REV	4.00	5/1/2053	793.2	47
48	74529JPX7	PUERTO RICO SALES TAX FING CORP SALES TAX REV	5.00	7/1/2058	791.4	770
49	59261AM53	METROPOLITAN TRANSN AUTH N Y REV	-	11/15/2050	774.8	73
50	89602HAB3	TRIBOROUGH BRDG & TUNL AUTH N Y PAYROLL MOBILITY TAX	5.00	5/15/2051	770.6	173
50	3300211703		5.00	5/15/2051	770.0	1/5

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Top 50 Most Active Securities, 2022:Q2

By number of trades

1 74514372 PUERTO RICO COMWITH - 11/1/2004 1.339.2 15. 2 55639864 ILOUISANA PUE RACS AUTH REY 4.00 5/15/2049 319.1 1.1 4 649835344 ILOUISANA PUE RACS AUTH REY 4.00 5/15/2049 319.1 1.1 5 6616400K6 NEW IRREY ST DORM AUTH REY SECONDARILY INSD 4.25 5/1/2031 613.3 1.4 7 74514386 PUERTO RICO COMWITH - - 7/1/2033 613.3 1.4 7 74514366 PUERTO RICO COMWITH - 5.63 7/1/2023 614.4 1.3 10 74514376 PUERTO RICO COMWITH 5.53 7/1/2023 454.4 1.3 11 74514356 PUERTO RICO COMWITH 5.55 7/1/2023 454.4 1.3 12 913366K76 UNIV CALIF REGT SMED CTR POOLD REY 4.00 7/1/2023 1.3.55 1.3.55 1.3.55 1.3.55 1.3.55 1.3.55 1.3.55 1.3.55 1.3.55 1.3.57 1.3.3.54 <th></th> <th></th> <th></th> <th></th> <th></th> <th>Par Amount</th> <th>Number of</th>						Par Amount	Number of
2 39263008 METROPOLITAN WASH DC ARPTS AUTH DULLES TOLI RD REV 4.00 10/1/2052 7704.5 17.1 3 54639054 LOUISMAN PUB FACS AUTH REV 4.00 5/1/2052 3557 11.5 6 64383074 NEW YORK ST DORM AUTH REVS SCENDARLY INSD 4.20 7/1/2051 400.4 1/1/2051 400.4 1/1/2051 400.4 1/1/2051 400.4 1/1/2051 400.4 1.5 6 207098M03 CONESTOGA VALLY SCH DIST PA 4.00 1/1/2051 400.4 1.5 7 74514366 PUERTO INCO COMWLTH 5.38 7/1/2021 50.1 1.3 10 74514366 PUERTO INCO COMWLTH 5.63 7/1/2023 3.33.0 1.2 21 9136676 UNIC AUTH REVT 4.00 5/1/2023 3.55.7 1.3 11 74514387 PUERTO INCO COMWLTH 4.00 5/1/2023 3.55.7 1.3 12 9136676 UNIC AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/2023 1.3.1 1.5 745143120	Rank		Issuer Name	Coupon	Maturity	(\$ Millions)	Trades
3 546399K4 LOUISIANA PUB FACS AUTH REV 4.00 5/15/2049 319.1 1.0 4 649351K4 NEW VIRS TO DRA AUTH TEVS SECONDARLY INSD 4.25 5/1/2052 359.7 15.5 5 6461400K5 NEW JESSEYS TIP AUTH TEVS AUTH TEVS TA 4.00 1/1/2051 400.4 1.5 7 745141366 PLERTO RIC COMWUTH 5.33 1.4 7.1/2023 56.33 1.4 9 765141366 PLERTO RIC COMWUTH 5.38 7/1/2023 50.91 1.3 10 745141356 PLERTO RICO COMWUTH 5.33 7/1/2023 53.03 1.2 11 74514125 PLERTO RICO COMWUTH 5.25 7/1/2023 53.03 1.2 12 913366KT6 UNIV CALIF REGT MED CTR POOLD REV 4.00 5/1/2023 51.7 1.1 15 74514145 PLERTO RICO COMUTH 4.00 7/1/2034 460.0 1.1 16 650005HG9 NEW YORK ST DORA AUTH REV 4.00 7/1/2034 460.0 1.1	1	74514L3T2	PUERTO RICO COMWLTH	-	11/1/2043	1,339.2	1,808
4 64983Xix4 NEW YORK ST DORM AUTH REVS SECONDARLY INSD 4.25 5/1/2052 3997 15 5 664000K NEW YERSY ST PK AUTH TRK REV 4.00 1/1/2051 2293 14 7 74514386 PUERTO RICO COMWUTH - 7/1/203 6633 1.4 8 75414376 PUERTO RICO COMWUTH 5.38 7/1/2025 369.7 1.3 10 755141386 PUERTO RICO COMWUTH 5.63 7/1/2023 363.0 1.2 11 745141386 PUERTO RICO COMWUTH 5.63 7/1/2023 363.0 1.2 12 9135667LG UNY CALE REGTS MED CTR POOLD REV 4.00 5/1/2032 13.7 11.1 15 7651412K1 PUERTO RICO COMWUTH 4.00 7/1/2041 4692.2 12.2 14 68608162 NEW YORK ST DORM AUTH REV S NON ST SUPPORTED DEBT 4.25 5/1/2032 667.1 1.1 15 7651412K1 PUERTO RICO COMWUTH - 7/1/2034 460.0 1/1/2055 1.1 16	2	592643DR8	METROPOLITAN WASH D C ARPTS AUTH DULLES TOLL RD REV	4.00	10/1/2052	704.5	1,753
5 6461400K6 NEW JERSEYS TIP & AUTH TEK BEV 4.00 1/1/2051 400.4 15.5 6 207098MD3 CONESTOG AVALLEY SCH DIS PA 4.00 2/1/2051 229.3 1.4 7 7451413R6 PUERTO RICO COMWLTH 5.8 7/1/2023 6613.3 1.4 8 7451413E6 PUERTO RICO COMWLTH 5.63 7/1/2023 633.3 1.4 10 7551413E8 PUERTO RICO COMWLTH 5.63 7/1/2023 633.0 1.2 11 7551413E8 PUERTO RICO COMWLTH 5.25 7/1/2023 633.0 1.2 12 913366KT6 UNN CALF REGTS MED CTR POOLD REV 4.00 5/1/2052 151.7 1.1 15 7451413N PUERTO RICO COMWLTH 4.00 7/1/2031 460.0 1.1 16 650008K9 NEW YORK ST DORN AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/2052 151.7 1.1 17 7451413C8 PUERTO RICO COMWLTH 5.75 7/1/2031 34.44 1.1 16 <	3	546399KS4	LOUISIANA PUB FACS AUTH REV	4.00	5/15/2049	319.1	1,657
6 20798MD3 CONESTOGA VALLEY SCH DIST PA 4.00 2/1/2051 22.9.3 1.4. 7 74514136 PUERTO RICO COMWUTH - 7/1/2035 486.6 1.3. 9 74514136 PUERTO RICO COMWUTH 5.63 7/1/2027 495.4 1.3. 10 74514136 PUERTO RICO COMWUTH 5.63 7/1/2027 495.4 1.3. 11 74514136 PUERTO RICO COMWUTH 5.63 7/1/2023 485.4 1.3. 12 913566KT DIVIC COLOMUTH 5.03 7/1/2023 485.4 1.3. 12 913560KT DIVIC COLOMUTH 4.00 7/1/203 480.0 1.1. 13 7451413K PUERTO RICO COMUTH 4.00 7/1/203 480.0 1.1. 16 65000MS9 NEW YOR ST DORA AUTH REVS NON ST SUPPORTED DEET 4.25 5/1/2022 687.1 1.1. 17 74514134 PUERTO RICO COMWUTH 4.00 7/1/203 490.4 1.1. 18 74514130 PUERTO RICO COMWUTH - 11/1/2051 938.5 1.1. 18	4	64983SJX4	NEW YORK ST DORM AUTH REVS SECONDARILY INSD	4.25	5/1/2052	359.7	1,571
7 74514136 PUERTO RICO COMWITH - 71/1/2033 61.3.3 1.4. 8 74514136 PUERTO RICO COMWITH 5.6.3 71/1/2027 50.9.1 1.3. 10 74514136 PUERTO RICO COMWITH 5.6.3 71/1/2027 50.9.1 1.3. 11 74514135 PUERTO RICO COMWITH 5.2.5 71/1/2023 363.0 1.2. 12 913366KT6 UNIV CALIF REGTS MED CTR POOLED REV 4.00 5/15/2053 1.3.55 1.2. 13 74514135 PUERTO RICO COMWITH 4.00 7/1/2021 15.1.7 1.1. 15 74514134 PUERTO RICO COMWITH 4.00 7/1/2024 44.9.8 1.1. 16 650080NG9 NEW YORK ST DOM AUTH REV SIN ST SUPPORTED DEBT 4.25 5/1/2052 687.1 1.1. 17 74514134 PUERTO RICO COMWITH 5.75 1.1. 1.7 7/1/2024 1.7.5 1.1. 18 74514134 PUERTO RICO COMWITH - 7/1/2024 1.7.5 1.1. 19 74514136 PUERTO RICO COMWITH - - 7/1/	5	646140DK6	NEW JERSEY ST TPK AUTH TPK REV	4.00	1/1/2051	400.4	1,564
8 74514132 PUERTO RICO COMWLTH 5.38 71/1/2025 466.8 13 9 745141360 PUERTO RICO COMWLTH 5.63 7/1/1/2027 509.1 1.3 10 7451413H5 PUERTO RICO COMWLTH 5.63 7/1/1/2023 363.0 1.2 12 913566K1 DIVX CUR FECTS MED CTR PODED REV 4.00 7/1/1/201 493.2 1.2 13 7451413K5 PUERTO RICO COMWLTH 4.00 7/1/1/201 493.2 1.2 14 650008NC9 PUERTO RICO COMWLTH 4.00 7/1/203 466.0 1.1 15 7451413K1 PUERTO RICO COMWLTH 4.00 7/1/203 466.0 1.1 16 650008NC9 NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/1/203 466.1 1.1 17 7451413A9 PUERTO RICO COMWLTH 4.00 7/1/2031 340.4 1.1 17 7451413B PUERTO RICO COMWLTH - 11/1/2051 355.5 1.1 17 74514143B <td>6</td> <td>207098MD3</td> <td>CONESTOGA VALLEY SCH DIST PA</td> <td>4.00</td> <td>2/1/2051</td> <td>229.3</td> <td>1,467</td>	6	207098MD3	CONESTOGA VALLEY SCH DIST PA	4.00	2/1/2051	229.3	1,467
9 745141300 PUERTO RICO COMWLTH 5.63 7/1/2027 590.1 11.3 10 745141385 PUERTO RICO COMWLTH 5.63 7/1/2023 363.0 1.2 11 745141355 PUERTO RICO COMWLTH 5.25 7/1/2023 363.0 1.2 12 913366KT6 UNIV CALIF REGTS MED CTR POOLED REV 4.00 5/15/203 1.35.5 9.1 13 7451413N5 PUERTO RICO COMWLTH 4.00 7/1/201 469.2 1.2 14 6650812A2 OREGON ST FACS AUTH REV 4.13 6/1/2052 151.7 1.1 15 7451413N PUERTO RICO COMWLTH 4.00 7/1/2031 346.0 1.1 16 650008NG9 NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/2052 687.1 1.1 17 74514130 PUERTO RICO COMWLTH - 11/1/2046 495.8 1.1 13 74514130 PUERTO RICO COMWLTH - 11/1/2051 345.9 1.1 12 74514130 PUERTO RICO COMWLTH - 111/1/2051 345.9 1.1	7	74514L3R6	PUERTO RICO COMWLTH	-	7/1/2033	613.3	1,448
10 7451413H8 PUERTO RICO COMWLTH 5.63 7/1/2021 345.44 1.1 11 7451413E5 PUERTO RICO COMWLTH 5.25 7/1/2023 363.0 1.2 12 913366KT6 DINV CALF REGTS NEO CIT POOLED REV 4.00 5/15/2053 1.35.59 1.2.7 14 6860XA2 DREGO NST FACS AUTH REV 4.13 6/12/2023 151.7 1.1.1 15 7451413K1 PUERTO RICO COMWLTH 4.00 7/1/2041 469.2 1.2.1 16 65000BRG9 NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/7052 687.1 1.1 17 74514130 PUERTO RICO COMWLTH 4.00 7/1/2041 495.8 1.1 19 74514130 PUERTO RICO COMWLTH 5.75 7/1/2031 340.4 1.1 12 74514130 PUERTO RICO COMWLTH 4.00 7/1/2041 935.9 1.1 12 74514130 PUERTO RICO COMWLTH 4.00 7/1/2031 346.4 1.1 12	8	74514L3F2	PUERTO RICO COMWLTH	5.38	7/1/2025	486.8	1,331
11 7451413E PUERTO RICO COMWLTH 5.25 7/1/2023 363.0 12.2 12 913366KT6 UNIV CALIF REGTS MED CTR POOLED REV 4.00 5/15/2053 1,355.9 13 7451413N5 PUERTO RICO COMWLTH 4.00 7/1/2041 665.2 1.2. 14 6650817A2 OREGON ST FACS AUTH REV 4.00 7/1/2041 665.2 1.1. 15 7451413N5 PUERTO RICO COMWLTH 4.00 7/1/2046 495.8 1.1. 16 650008NG9 NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/2052 687.1 1.1. 18 74514130 PUERTO RICO COMWLTH 5.7 7/1/2046 495.8 1.1. 19 74514130 PUERTO RICO COMWLTH - 11/1/2051 395.9 1.1. 21 74514139 PUERTO RICO COMWLTH - 11/1/2051 395.9 1.1. 21 74514139 PUERTO RICO COMWLTH - 11/1/2051 395.9 1.1. 22 74514139 <td< td=""><td>9</td><td>74514L3G0</td><td>PUERTO RICO COMWLTH</td><td>5.63</td><td>7/1/2027</td><td>509.1</td><td>1,306</td></td<>	9	74514L3G0	PUERTO RICO COMWLTH	5.63	7/1/2027	509.1	1,306
12 91336Krt0 UNIV CALF REGTS MED CTR POOLED REV 4.00 5/15/2053 1.355.9 1.2 13 7451413N5 PUERTO RICO COMWUTH 4.00 7/1/2041 469.2 1.2 14 6660812A2 OREGON ST FACS AUTH REV 4.13 6/1/2052 15.17 1.1 15 7451413K1 PUERTO RICO COMWUTH 4.00 7/1/2046 495.8 1.1 16 650000BK69 NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/2056 687.1 1.1 17 74514130 PUERTO RICO COMWUTH 5.75 7/1/2046 495.8 1.1 19 745141308 PUERTO RICO COMWUTH - 11/1/2051 935.9 1.1 12 745141309 PUERTO RICO COMWUTH - 11/1/2031 935.9 1.1 12 745141319 PUERTO RICO COMWUTH 4.00 7/1/2035 218.6 1.0 27 45141349 PUERTO RICO COMWUTH 4.00 1/1/2052 218.6 1.0 28 60637AL22 MISSOURI ST HALTH & CD LACS AUTH HEALTH FACS REV 4.00 1/1/2052 218.9 <td>10</td> <td>74514L3H8</td> <td>PUERTO RICO COMWLTH</td> <td>5.63</td> <td></td> <td>454.4</td> <td>1,306</td>	10	74514L3H8	PUERTO RICO COMWLTH	5.63		454.4	1,306
13 745141.3N PUERTO RICO COMWLTH 4.00 7/1/2011 4662.2 12. 14 686081ZA2 OREGON ST FACS AUTH REV 4.13 6/1/2052 15.1.7 1.1. 15 7451413K1 PUERTO RICO COMWLTH 4.00 7/1/2031 460.0 1.1. 17 7451413K1 PUERTO RICO COMWLTH 4.05 5/1/2052 687.1 1.1. 18 7451413K1 PUERTO RICO COMWLTH 5.75 7/1/2031 340.4 1.4. 19 7451413G PUERTO RICO COMWLTH - 1.1/1/2051 935.9 1.1. 20 7451413G PUERTO RICO COMWLTH - 1.1/1/2051 935.9 1.1. 21 7451413G PUERTO RICO COMWLTH 4.00 7/1/2031 234.6 1.0. 22 7451413G PUERTO RICO COMWLTH 4.00 7/1/2035 1.1. 1.1. 23 60637AH28 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/2045 443.2 1.0. 24 658210WM9 NORTH CAROUNA MED CARE COMMN HEALTH FACS REV 4.00 1/1/2052 201.1 <t< td=""><td>11</td><td>74514L3E5</td><td>PUERTO RICO COMWLTH</td><td>5.25</td><td>7/1/2023</td><td>363.0</td><td>1,260</td></t<>	11	74514L3E5	PUERTO RICO COMWLTH	5.25	7/1/2023	363.0	1,260
14 666081ZA2 OREGON ST FACS AUTH REV 4.13 6/1/2052 151.7 1,1 15 7451413K1 PUERTO RICO COMWUTH 4.00 7/1/2033 460.0 1,1 16 650000BNG ON KWY ORK ST DORM AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/2052 687.1 1.1 17 74514130 PUERTO RICO COMWUTH 4.00 7/1/2031 340.4 1,1 19 74514130 PUERTO RICO COMWUTH - 11/1/2051 935.9 1,1 20 74514130 PUERTO RICO COMWUTH - 11/1/2051 935.9 1,1 21 745141307 PUERTO RICO COMWUTH - 11/1/2051 935.9 1,1 22 74514137 PUERTO RICO COMWUTH 4.00 7/1/2035 21.6 1,0 24 65521DWM9 NORTI CARUINA MED CARE COMMN HEALTH FACS REV 4.00 1/1/2055 1,1 25 60637ALD2 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/2050 11.8.7 26 643790FA9 REV HE	12	913366KT6	UNIV CALIF REGTS MED CTR POOLED REV	4.00	5/15/2053	1,355.9	1,219
15 7451412K1 PUERTO RICO COMWITH 4.00 7/1/2033 46.00 1.1. 16 65000BNG9 NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/2052 687.1 1.1. 17 7451413P0 PUERTO RICO COMWITH 5.75 7/1/2046 495.8 1.1. 18 7451413P0 PUERTO RICO COMWITH 5.75 7/1/2031 340.4 1.1. 19 7451413G8 PUERTO RICO COMWITH - 11/1/2051 935.9 1.1. 21 7451413G9 PUERTO RICO COMWITH 4.00 7/1/2037 234.6 1.1. 22 7451413G PUERTO RICO COMWITH 4.00 7/1/2037 234.6 1.1. 23 60637AH28 MISSOURI ST HEALTH & ED LFACS AUTH HEALTH FACS REV 4.00 1/1/2052 218.6 1.0. 24 65821DWM9 NORTH CARDINA MED CARE COMMN HEALTH CARE FACS REV 4.00 1/1/1/2051 183.7 99 25 60637ALD2 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/1/2052 284.2 88 29 34430PV5 FORT PIERCE FIA UTILS AUTH REV	13	74514L3N5	PUERTO RICO COMWLTH	4.00		469.2	1,217
16 65000BNG9 NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT 4.25 5/1/2052 687.1 1.1 17 7451413P0 PUERTO RICO COMWUTH 4.00 7/1/2046 495.8 1.1 19 7451413P PUERTO RICO COMWUTH 5.75 7/1/2031 340.4 1.1 19 7451413P PUERTO RICO COMWUTH - 7/1/2031 340.4 1.1 20 7451413P PUERTO RICO COMWUTH - 1/1/2051 935.9 1.1 21 7451413P PUERTO RICO COMWUTH 4.00 7/1/2031 234.6 1.0 23 60637ALD2 PUERTO RICO COMWUTH 4.00 7/1/2035 218.6 1.0 24 65821DWM9 NORTH CAROLINA MED CARE COMMIN HEALTH FACS REV 4.00 1/1/2052 201.1 19 25 60637ALD2 MISSOURI ST HEALTH & CAE ACS AUTH HEALTH FACS REV 4.00 1/1/2052 201.1 19.0 27 37306404P UERSY HEALTH CARE FACS INFO AUTH REV 4.00 1/1/2052 284.2 8	14	68608JZA2	OREGON ST FACS AUTH REV	4.13	6/1/2052	151.7	1,199
17 74514130 PUERTO RICO COMWLTH 4.00 7/1/2046 495.8 1,1 18 74514134 PUERTO RICO COMWLTH 5.75 7/1/2031 340.4 1,1 19 74514130 PUERTO RICO COMWLTH - 1/1/2051 935.9 1,1 20 74514130 PUERTO RICO COMWLTH - 1/1/2051 935.9 1,1 21 74514130 PUERTO RICO COMWLTH 4.00 7/1/2035 218.6 1,0 22 74514130 PUERTO RICO COMWLTH 4.00 7/1/2035 218.6 1,0 23 60637AL28 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/2052 201.1 9 24 65821DWM9 NORTH CAROLINA MED CARE COMMN HEALTH FACS REV 4.00 1/1/2050 118.7 9 25 6637ALD2 MISSOURI ST HEALTH & EDL FACS AUTH NEV 4.00 1/1/2050 118.7 9 26 645790FA9 NEW JERSEY HEALTH CARE FACS NUTH REV 4.00 1/1/2052 205.3 8 27 373064249 GEORETOWN TEX UTIL SYS REV 4.00 1/1/2052 205.	15	74514L3K1	PUERTO RICO COMWLTH	4.00	7/1/2033	460.0	1,172
18 74514L3JA PUERTO RICO COMWLTH 5.75 7/1/2031 340.4 1,1 19 74514L308 PUERTO RICO COMWLTH - 7/1/2024 175.5 1,1 20 74514L307 PUERTO RICO COMWLTH - 11/1/2051 935.9 1,1 21 74514L3M7 PUERTO RICO COMWLTH 4.00 7/1/2037 234.6 1,1 22 74514L3M7 PUERTO RICO COMWLTH 4.00 7/1/2035 218.6 1,0 23 60637AL2B MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/2052 201.1 9 26 64570DF3 NEW IERSY HEALTH CARE FACS SING AUTH REV 4.00 1/1/2051 118.7 9 27 373064Q49 GEORGETOWN TEX UTIL SYS REV 4.00 1/1/2052 284.2 8 28 837151225 SOUTH CAROLINA ST PUB SVC AUTH REV 4.00 10/1/2052 285.3 8 30 68450LGQ2 ORANGE CNTY FLA HEALTH FACS AUTH REV 4.00 10/1/2052 253.8 8	16	65000BNG9	NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT	4.25	5/1/2052	687.1	1,168
19 74514L308 PUERTO RICO COMWLTH - 7/1/2024 175.5 1.1 20 74514L307 PUERTO RICO COMWLTH - 11/1/2051 935.9 1.1 21 74514L307 PUERTO RICO COMWLTH 4.00 7/1/203 234.6 1.1 22 74514L319 PUERTO RICO COMWLTH 4.00 7/1/203 234.6 1.1 22 74514L319 PUERTO RICO COMWLTH 4.00 7/1/203 234.6 1.1 23 60637AH28 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 11/1/205 443.2 1.0 24 65821DVM9 NORTH CAROLINA MED CARE COMMN HEALTH FACS REV 4.00 11/1/2050 118.7 9 26 645790FA9 NEW JERSEY HEALTH CARE FACS FING AUTH REV 4.00 10/1/2052 284.3 8 27 373064Q49 GEORGETOWN TEX UTL SYS REV 4.00 10/1/2052 284.2 8 28 3837151225 SOUTH CAROLINA ST PUB SVC AUTH REV 4.00 10/1/2052 284.2 8 39 648430F05 FORT PIERCE FLA UTLS AUTH REV 4.00 10/1/20	17	74514L3P0	PUERTO RICO COMWLTH	4.00	7/1/2046	495.8	1,154
20 74514L4G9 PUERTO RICO COMWLTH - 11/1/2051 935.9 1.1 21 74514L3M7 PUERTO RICO COMWLTH 4.00 7/1/2037 234.6 1.1 22 74514L3M7 PUERTO RICO COMWLTH 4.00 7/1/2035 218.6 1.0 23 60637AH28 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 11/1/2052 201.1 99 24 65821DWM9 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 11/1/2052 201.1 99 25 60637ADL2 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 11/1/2052 201.1 99 26 645790FA9 NEW JERSEY HEALTH CARE FACS FING AUTH REV 4.00 11/1/2052 201.3 89 28 8371512ZS SOUTH CAROLINA ST PUB SVC AUTH REV 4.00 10/1/2052 284.2 88 30 64450L6Q2 ORANGE CNTY FLA HEALTH FACS AUTH HEV 4.00 10/1/2052 205.3 88 31 362762P59 GAINESVILLE & HAUTH SCA AUTH REV 4.00 10/1	18	74514L3J4	PUERTO RICO COMWLTH	5.75	7/1/2031	340.4	1,153
21 74514L3M7 PUERTO RICO COMWLTH 4.00 7/1/2037 234.6 1,1 22 74514L3J9 PUERTO RICO COMWLTH 4.00 7/1/2035 218.6 1,0 23 60637AH28 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 11/1/2052 201.1 9 24 65821DWM9 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 11/1/2052 201.1 9 25 60637AL22 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/2050 118.7 9 26 645790FA9 NEW JERSEY HEALTH CARE FACS FING AUTH REV 4.00 12/1/2052 284.2 8 27 373064049 GEORGETOWN TEX UTIL SYS REV 4.00 12/1/2052 284.2 8 28 8371512Z5 SOUTH CAROLINA ST PUB SVC AUTH REV 4.00 10/1/2052 205.3 8 30 684501GQ2 ORANGE CNTY FALH FACS AUTH REV 4.00 10/1/2052 230.2 8 31 362762PS9 GAINESVILLE & HALL CNTY GA HOSP AUTH REV 4.00 12/1/2049 308.5 8 32 109813529 C	19	74514L3Q8	PUERTO RICO COMWLTH	-	7/1/2024	175.5	1,146
22 745141319 PUERTO RICO COMWLTH 4.00 7/1/2035 218.6 1.0 23 60637AH28 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 11/1/2045 443.2 1.0 24 65821DWM9 NORTH CARDINA MED CARE COMMN HEALTH CARE FACS REV 4.00 11/1/2052 201.1 9 25 60637ALD2 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 71/1/2041 191.0 26 645790FA9 NEW JERSEY HEALTH CARE FACS FING AUTH REV 4.00 71/1/2051 183.8 9 28 837151225 SOUTH CARDINA ST PUB SVC AUTH REV 4.00 10/1/2052 284.2 8 29 348430PV5 FORT PIERCE FLA UTLIS AUTH REV 4.00 10/1/2052 285.3 8 31 6450LGQ2 GRAINESVILLE & HALL TH FACS AUTH REV 4.00 10/1/2052 320.2 8 32 190813529 COBB CNTY GA KENNESTONE HOSP AUTH REV ANTIC CTFS 4.00 4/1/2052 320.2 8 34 G4972G2H0 NEW YORK NY CITY MUN WTR FIN AUTH WTR & SWR SY REV	20	74514L4G9	PUERTO RICO COMWLTH	-	11/1/2051	935.9	1,138
23 60637AH28 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/2045 443.2 1.0 24 65821DWMS NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 1/1/2052 201.1 99 25 60637ALD2 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/2050 118.7 99 26 645790FA9 NEW JERSEY HEALTH CARE FACS FING AUTH REV 4.00 1/1/2052 284.2 83 27 373064Q49 GEORGETOWN TEX UTIL SYS REV 4.25 8/15/2047 133.8 99 28 837151225 SOUTH CAROLINA ST PUB SVC AUTH REV 4.00 10/1/2052 285.3 8 30 68450LGQ2 ORANGE CNTY FLA HEALTH FACS AUTH REV 4.00 10/1/2052 235.3.8 8 31 362762P59 GAINESVILLE & HALL CNTY GA HOSP AUTH REV ANTIC CTFS 4.00 4/1/2052 300.2 8 32 190813S29 COBB CNTY GA KENNESTONE HOSP AUTH REV ANTIC CTFS 4.00 4/1/2052 310.2 8 34 64972GZH0 NEW YORK N Y	21	74514L3M7	PUERTO RICO COMWLTH	4.00	7/1/2037	234.6	1,111
24 65821DWM9 NORTH CAROLINA MED CARE COMMIN HEALTH CARE FACS REV 4.00 11/1/2052 201.1 9 25 60637ALD2 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/1/2050 118.7 9 26 645790FA9 NEW JERSEY HEALTH CARE FACS FING AUTH REV 4.00 1/1/1/2052 284.2 8 27 373064Q49 GEORGETOWN TEX UTLI SVS REV 4.00 12/1/2052 284.2 8 29 348430PV5 FORT PIERCE FLA UTILS AUTH REV 4.00 10/1/2052 205.3 8 31 362762P59 GAINESVILLE & HALL CHT YEA CAUTH REV 4.00 10/1/2052 320.2 8 32 190813529 COBB CNTY GA KENNESTONE HOSP AUTH REV ANTIC CTFS 4.00 12/1/2045 109.7 8 34 64972G2H0 NEW YORK N Y CITY MUN WTR FIN AUTH WER & SWR SYS REV 4.00 12/1/2045 300.5 8 34 64972G2H0 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/1/2055 1,387.1 7 36 118217C29 BUCKEYE OHI	22	74514L3L9	PUERTO RICO COMWLTH	4.00	7/1/2035	218.6	1,078
25 60637ALD2 MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV 4.00 1/1/2050 118.7 99 26 645790FA9 NEW JERSEY HEALTH CARE FACS FING AUTH REV 4.00 7/1/2041 191.0 99 27 373064Q49 GEORGETOWN TEX UTIL SYS REV 4.25 8/15/2047 133.8 99 28 837151225 SOUTH CAROLINA ST PUB SVC AUTH REV 4.00 12/1/2052 2284.2 88 29 348430PV5 FORT PIERCE FLA UTILS AUTH REV 4.00 10/1/2052 353.8 88 31 362762PS GAINESVILLE & HALL CNY GA HOSP AUTH REV 4.00 10/1/2052 332.8 88 32 190813529 COBB CNY GA KENNESTONE HOSP AUTH REV ANTIC CTFS 4.00 1/1/2050 302.2 88 33 010685KJ3 ALACHUA CNY FLA HEALTH FACS AUTH HEALTH FACS REV 4.00 6/1/2051 404.1 88 34 649726DE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 4.00 6/1/2055 1,387.1 77 35 745291PX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 6/1/2055 1,387.1 77	23	60637AHZ8	MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV	4.00	1/1/2045	443.2	1,005
26 645790FA9 NEW JERSEY HEALTH CARE FACS FING AUTH REV 4.00 7/1/2041 191.0 9 27 373064049 GEORGETOWN TEX UTL SYS REV 4.25 8/15/2047 133.8 99 28 8371512Z5 SOUTH CAROLINA ST PUB SVC AUTH REV 4.00 12/1/2052 284.2 88 30 68450LGQ2 ORANGE CNTY FLA HEALTH FACS AUTH REV 4.00 10/1/2052 353.8 88 31 362762PS9 GAINESVILLE & HALL CNTY GA HOSP AUTH REV 4.00 10/1/2052 320.2 88 32 190813529 COBB CNTY GA KENNESTONE HOSP AUTH REV 4.00 12/1/2049 308.5 88 34 64972GZH0 NEW YORK N Y CITY MUN WTR RIN AUTH HEVA SWR SYS REV 4.00 6/15/2051 404.1 88 35 74529JPX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 7/1/2058 791.4 77 36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 5.00 6/1/2055 1,387.1 77 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.0	24	65821DWM9	NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV	4.00	11/1/2052	201.1	977
27 373064Q49 GEORGETOWN TEX UTIL SYS REV 4.25 8/15/2047 133.8 99 28 837151225 SOUTH CAROLINA ST PUB SVC AUTH REV 4.00 12/1/2052 284.2 88 29 348430PV5 FORT PIERCE FLA UTILS AUTH REV 4.00 10/1/2052 205.3 88 30 68450LGQ2 ORANGE CNTY FLA HEALTH FACS AUTH REV 4.00 10/1/2052 353.8 88 31 362762P59 GAINESVILLE & HALL CNTY GA HOSP AUTH REV ANTIC CTFS 4.00 4/1/2052 320.2 88 32 190813529 COBB CNTY GA KENNESTONE HOSP AUTH REV 4.00 12/1/2049 308.5 88 34 64972G2H0 NEW YORK N Y CITY MUN WITR FIN AUTH WTR & SVR SYS REV 4.00 6/15/2051 404.1 88 35 74529JPX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 7/1/2058 791.4 7 36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 878 SYS REV 4.00 3/1/2046 86.7 7 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2045 229.6 7	25	60637ALD2	MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV	4.00	1/1/2050	118.7	919
28 837151225 SOUTH CAROLINA ST PUB SVC AUTH REV 4.00 12/1/2052 284.2 8 29 348430PV5 FORT PIERCE FLA UTILS AUTH REV 4.00 10/1/2052 205.3 88 30 68450LGQ2 ORANGE CNTY FLA HEALTH FACS AUTH REV 4.00 10/1/2052 353.8 88 31 362762PS9 GAINESVILLE & HALL CNTY GA HOSP AUTH REV ANTIC CTFS 4.00 2/15/2045 109.7 88 32 199813S29 COBB CNTY FLA HEALTH FACS AUTH HEV ANTIC CTFS 4.00 4/1/2052 320.2 88 33 010685K13 ALACHUA CNTY GA KENNESTONE HOSP AUTH REV 4.00 4/1/2052 320.2 88 34 64972GZH0 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 4.00 6/15/2051 404.1 88 35 74529JPX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 6/12055 1,387.1 77 36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH REV 4.00 3/1/2046 86.7 77 38 48504NCG2 KANSAS CITY MOI INDL DE	26	645790FA9	NEW JERSEY HEALTH CARE FACS FING AUTH REV	4.00	7/1/2041	191.0	912
29 348430PV5 FORT PIERCE FLA UTILS AUTH REV 4.00 10/1/2052 205.3 88 30 68450LGQ2 ORANGE CNTY FLA HEALTH FACS AUTH REV 4.00 10/1/2052 353.8 88 31 362762P59 GAINESVILLE & HALL CNTY GA HOSP AUTH REV ANTIC CTFS 4.00 2/15/2045 109.7 88 32 190813529 COBB CNTY GA KENNESTONE HOSP AUTH REV ANTIC CTFS 4.00 12/1/2049 308.5 88 33 010635KJ3 ALACHUA CNTY FLA HEALTH FACS AUTH HEALTH FACS REV 4.00 12/1/2049 308.5 88 34 64972GZHO NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 4.00 6/1/2051 404.1 88 35 74529JPX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 7/1/2058 791.4 77 36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 5.00 6/1/2055 1,387.1 77 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2046 86.7 77 38 48504NCG2 KANSAS CITY MO INDL DEV AUTH RT PS LOBLIG 4.00 1/1/5/2048 89.2 7	27	373064Q49	GEORGETOWN TEX UTIL SYS REV	4.25	8/15/2047	133.8	904
30 68450LGQ2 ORANGE CNTY FLA HEALTH FACS AUTH REV 4.00 10/1/2052 353.8 88 31 362762PS9 GAINESVILLE & HALL CNTY GA HOSP AUTH REV ANTIC CTFS 4.00 2/15/2045 109.7 88 32 190813529 COBB CNTY GA KENNESTONE HOSP AUTH REV 4.00 4/1/2052 320.2 88 33 010685KJ3 ALACHUA CNTY FLA HEALTH FACS AUTH HEALTH FACS REV 4.00 12/1/2049 308.5 88 34 64972GZH0 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 4.00 6/15/2051 40.1 88 35 74529JPK7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 7/1/2058 791.4 7 36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 5.00 6/1/2055 1,387.1 7 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2046 86.7 7 38 48504NCG2 KANSAS CITY MOI INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 7 39 64972GDE1 NEW YORK N Y CITY MUN WT	28	837151ZZ5	SOUTH CAROLINA ST PUB SVC AUTH REV	4.00	12/1/2052	284.2	897
31 362762PS9 GAINESVILLE & HALL CNTY GA HOSP AUTH REV ANTIC CTFS 4.00 2/15/2045 109.7 88 32 190813S29 COBB CNTY GA KENNESTONE HOSP AUTH REV 4.00 4/1/2052 320.2 88 33 010685KJ3 ALACHUA CNTY FLA HEALTH FACS AUTH HEALTH FACS REV 4.00 12/1/2049 308.5 88 34 64972GZH0 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 4.00 6/15/2051 404.1 88 35 74529JPX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 6/1/2055 1,387.1 77 36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 5.00 6/1/2055 1,387.1 77 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2046 86.7 77 38 48504NCG2 KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 77 40 771902HF3 ROCHESTER MINN HEALTH CARE FACS REV 4.00 11/15/2048 89.2 77 41 645913AA2 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 77	29	348430PV5	FORT PIERCE FLA UTILS AUTH REV	4.00	10/1/2052	205.3	880
32 190813S29 COBB CNTY GA KENNESTONE HOSP AUTH REV 4.00 4/1/2052 320.2 8 33 010685KJ3 ALACHUA CNTY FLA HEALTH FACS AUTH HEALTH FACS REV 4.00 12/1/2049 308.5 88 34 64972GZH0 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 4.00 6/15/2051 404.1 88 35 74529JPX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 7/1/2058 791.4 7 36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 5.00 6/1/2055 1,387.1 7 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2046 86.7 7 38 48504NCG2 KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 7 39 64972GDE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 41 645913AA2 NEW JORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 42 04052EAY4 ARIZONA INDL DEV AUTH ARPT SPLOBLIG 4.00 11/15/2048 89.2 7 <td>30</td> <td>68450LGQ2</td> <td>ORANGE CNTY FLA HEALTH FACS AUTH REV</td> <td>4.00</td> <td>10/1/2052</td> <td>353.8</td> <td>878</td>	30	68450LGQ2	ORANGE CNTY FLA HEALTH FACS AUTH REV	4.00	10/1/2052	353.8	878
33 010685KJ3 ALACHUA CNTY FLA HEALTH FACS AUTH HEALTH FACS REV 4.00 12/1/2049 308.5 88 34 64972GZH0 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 4.00 6/15/2051 404.1 88 35 74529JPX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 7/1/2058 791.4 77 36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 5.00 6/1/2055 1,387.1 77 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2046 86.7 77 38 48504NCG2 KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 77 39 64972GDE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 40 771902HF3 ROCHESTER MINN HEALTH CARE FACS REV 4.00 11/15/2048 89.2 7 41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HSP NEVSION FDG REV 4.00 11/15/2043 78.6 6	31	362762PS9	GAINESVILLE & HALL CNTY GA HOSP AUTH REV ANTIC CTFS	4.00	2/15/2045	109.7	828
34 64972GZH0 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 4.00 6/15/2051 404.1 35 74529JPX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 7/1/2058 791.4 7 36 118217CZ9 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 5.00 6/1/2055 1,387.1 7 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2046 86.7 7 38 48504NCG2 KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 7 39 64972GDE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 40 771902HF3 ROCHESTER MINN HEALTH CARE FACS REV 4.00 11/15/2048 89.2 7 41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HOSP REV 4.00 11/15/2043 78.6 6 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/12055 76.9 6 45 296110GH6	32	190813SZ9	COBB CNTY GA KENNESTONE HOSP AUTH REV	4.00	4/1/2052	320.2	818
35 74529JPX7 PUERTO RICO SALES TAX FING CORP SALES TAX REV 5.00 7/1/2058 791.4 7 36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 5.00 6/1/2055 1,387.1 7 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2046 86.7 7 38 48504NCG2 KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 7 39 64972GDE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 40 771902HF3 ROCHESTER MINN HEALTH CARE FACS REV 4.00 11/15/2048 89.2 7 41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HOSP REV 4.00 11/15/2043 78.6 6 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/15/2043 78.6 6 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 11/1/2055 76.9 6 46 65821D	33	010685KJ3	ALACHUA CNTY FLA HEALTH FACS AUTH HEALTH FACS REV	4.00	12/1/2049	308.5	810
36 118217C29 BUCKEYE OHIO TOB SETTLEMENT FING AUTH 5.00 6/1/2055 1,387.1 7 37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2046 86.7 7 38 48504NCG2 KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 7 39 64972GDE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 40 771902HF3 ROCHESTER MINN HEALTH CARE FACS REV 4.00 11/15/2048 89.2 7 41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HOSP REV 4.00 11/15/2043 78.6 6 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/1/2055 76.9 6 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 11/1/2055 76.9 6 46 65821DMM0 NORTH CAROLINA MED CARE COMMIN HEALTH CARE FACS REV	34	64972GZH0	NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV	4.00	6/15/2051	404.1	806
37 451295C80 IDAHO HEALTH FACS AUTH REV 4.00 3/1/2046 86.7 7 38 48504NCG2 KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 7 39 64972GDE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 40 771902HF3 ROCHESTER MINN HEALTH CARE FACS REV 4.00 11/15/2048 89.2 7 41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HOSP REV 4.00 11/15/2043 78.6 66 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/12/055 76.9 66 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 11/12/2055 74.8 66 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 66 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 66	35	74529JPX7	PUERTO RICO SALES TAX FING CORP SALES TAX REV	5.00	7/1/2058	791.4	770
38 48504NCG2 KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 7 39 64972GDE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 40 771902HF3 ROCHESTER MINN HEALTH CARE FACS REV 4.00 11/15/2048 89.2 7 41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HOSP REV 4.00 11/15/2043 78.6 66 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/12/2055 76.9 66 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 11/12/2055 74.8 66 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 66 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 66 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9	36	118217CZ9	BUCKEYE OHIO TOB SETTLEMENT FING AUTH	5.00	6/1/2055	1,387.1	758
38 48504NCG2 KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG 4.00 3/1/2045 229.6 7 39 64972GDE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 40 771902HF3 ROCHESTER MINN HEALTH CARE FACS REV 4.00 11/15/2048 89.2 7 41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HOSP REV 4.00 11/15/2043 78.6 6 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/1/2055 76.9 6 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 11/1/2055 74.8 6 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 6 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 6 48 160853TH0 CHARLOTTE-M	37	451295C80	IDAHO HEALTH FACS AUTH REV	4.00	3/1/2046	86.7	757
39 64972GDE1 NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV 5.00 6/15/2046 325.4 7 40 771902HF3 ROCHESTER MINN HEALTH CARE FACS REV 4.00 11/15/2048 89.2 7 41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HOSP REV 4.00 2/1/2050 242.7 7 43 766357ME4 RIDLEY PA SCH DIST 4.00 11/15/2043 78.6 66 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/1/2055 76.9 66 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 8/15/2050 74.8 66 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 7/1/2057 41.9 66 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 66 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH	38	48504NCG2	KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG	4.00		229.6	742
41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HOSP REV 4.00 2/1/2050 242.7 7 43 766357ME4 RIDLEY PA SCH DIST 4.00 11/15/2043 78.6 66 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/1/2055 76.9 66 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 8/15/2050 74.8 66 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 66 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 66 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9 66	39	64972GDE1	NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV	5.00		325.4	741
41 645913AA2 NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV 7.43 2/15/2029 268.7 7 42 04052EAY4 ARIZONA INDL DEV AUTH HOSP REV 4.00 2/1/2050 242.7 7 43 766357ME4 RIDLEY PA SCH DIST 4.00 11/15/2043 78.6 66 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/1/2055 76.9 66 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 8/15/2050 74.8 66 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 66 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 66 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9 66	40	771902HF3	ROCHESTER MINN HEALTH CARE FACS REV	4.00	11/15/2048	89.2	723
43 766357ME4 RIDLEY PA SCH DIST 4.00 11/15/2043 78.6 66 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/12055 76.9 66 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 8/15/2050 74.8 66 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 66 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 66 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9 66	41	645913AA2	NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV	7.43			712
43 766357ME4 RIDLEY PA SCH DIST 4.00 11/15/2043 78.6 66 44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/12055 76.9 66 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 8/15/2050 74.8 66 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 66 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 66 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9 66	42	04052EAY4	ARIZONA INDL DEV AUTH HOSP REV	4.00	2/1/2050	242.7	712
44 59447TQ22 MICHIGAN FIN AUTH REV 4.00 11/1/2055 76.9 66 45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 8/15/2050 74.8 66 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 66 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 66 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9 66	43						695
45 296110GH6 ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV 4.00 8/15/2050 74.8 66 46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 66 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 66 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9 66							682
46 65821DMM0 NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV 4.00 12/1/2045 92.6 6 47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 6 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9 6							668
47 409328BT7 HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV 4.00 7/1/2057 419.6 6 48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9 6							659
48 160853TH0 CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV 4.00 1/15/2045 126.9 6							653
							650
	49	64972C5C3	NEW YORK N Y CITY HSG DEV CORP MULTIFAMILY HSG REV	4.00	11/1/2053	85.3	633
							631

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Top 50 Most Active Fixed Rate¹ Securities, 2022:Q2

By par amount

					Par Amount	Number of
Rank	CUSIP ²	Issuer Name	Coupon	Maturity	(\$ Millions)	Trades
1	89602HDR5	TRIBOROUGH BRDG & TUNL AUTH N Y PAYROLL MOBILITY TAX	5.25	5/15/2052	1,859.1	193
2	914460WT3	UNIVERSITY MINN	4.05	4/1/2052	1,800.0	187
3	544351QM4	LOS ANGELES CALIF	4.00	6/29/2023	1,727.7	455
4	118217CZ9	BUCKEYE OHIO TOB SETTLEMENT FING AUTH	5.00	6/1/2055	1,387.1	758
5	23503CAN7	DALLAS FT WORTH TEX INTL ARPT REV	4.51	11/1/2051	1,384.7	292
6	913366KT6	UNIV CALIF REGTS MED CTR POOLED REV	4.00	5/15/2053	1,355.9	1,219
7	914455UH1	UNIVERSITY MICH UNIV REVS	3.50	4/1/2052	1,340.7	92
8	544351PL7	LOS ANGELES CALIF	4.00	6/23/2022	1,176.9	413
9	54627RAP5	LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV AUTH SYS RESTORATION	4.48	8/1/2039	1,109.7	99
10	64990FW83	NEW YORK ST DORM AUTH ST PERS INCOME TAX REV	4.00	3/15/2039	1,084.4	95
11	544657HZ5	LOS ANGELES CNTY CALIF	4.00	6/30/2023	1,060.6	237
12		CALIFORNIA HEALTH FACS FING AUTH REV	4.00	8/15/2048	1,056.4	622
13	745160SJ1	PUERTO RICO COMWLTH AQUEDUCT & SWR AUTH REV	5.00	7/1/2047	959.0	79
14	913366KS8	UNIV CALIF REGTS MED CTR POOLED REV	5.00	5/15/2047	957.9	219
15		UNIV CALIF REGTS MED CTR POOLED REV	4.56	5/15/2053	951.4	146
16		LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV AUTH SYS RESTORATION	4.15	2/1/2033	924.5	94
17	54627RAN0	LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV AUTH SYS RESTORATION	4.28	2/1/2036	854.0	77
18		NEW YORK ST DORM AUTH ST PERS INCOME TAX REV	4.00	3/15/2038	849.0	70
19	54627RAL4	LOUISIANA LOC GOVT ENVIRONMENTAL FACS & CMNTY DEV AUTH SYS RESTORATION	3.62	2/1/2029	818.8	68
20		PUERTO RICO SALES TAX FING CORP SALES TAX REV	5.02	7/1/2058	791.4	770
20	89602HAB3	TRIBOROUGH BRDG & TUNL AUTH N Y PAYROLL MOBILITY TAX	5.00	5/15/2051	770.6	173
22	914455VJ6	UNIVERSITY MICH UNIV REVS	3.60	4/1/2047	741.9	192
22		UNIVERSITY VA UNIV REVS	2.58	11/1/2051	741.9	43
23		MASSACHUSETTS BAY TRANSN AUTH MASS REV	5.00	7/1/2052	708.2	99
24	592643DR8	METROPOLITAN WASH D C ARPTS AUTH DULLES TOLL RD REV	4.00	10/1/2052	708.2	1,753
25		NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT	4.00	5/1/2052	687.1	1,168
20		TRIBOROUGH BRDG & TUNL AUTH N Y PAYROLL MOBILITY TAX	5.00		685.1	62
27			5.00	5/15/2047	672.5	291
28		NEW YORK N Y CITY TRANSITIONAL FIN AUTH REV		2/1/2047		
-	64989KLE4	NEW YORK ST PWR AUTH REV	4.00	11/15/2050	668.8	388
30	452252PQ6	ILLINOIS ST TOLL HWY AUTH TOLL HIGHWAY REV	5.00	1/1/2045	658.5	278
31	64990FPV0	NEW YORK ST DORM AUTH ST PERS INCOME TAX REV	4.00	2/15/2047	651.7	466
32	409328BR1	HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV	4.00	7/1/2052	631.0	290
33	23503CAP2	DALLAS FT WORTH TEX INTL ARPT REV	4.09	11/1/2051	627.6	226
34			1.75	10/1/2028	627.3	41
35		HAMPTON RDS VA TRANSN ACCOUNTABILITY COMMN REV	5.00	7/1/2026	618.1	353
36	74529JRH0	PUERTO RICO SALES TAX FING CORP SALES TAX REV	4.33	7/1/2040	615.6	340
37	57584Y2Y4	MASSACHUSETTS ST DEV FIN AGY REV	5.00	11/15/2032	589.7	204
38		PORT AUTH N Y & N J	1.09	7/1/2023	579.1	323
39		METROPOLITAN TRANSN AUTH N Y REV	5.00	9/1/2022	576.3	399
40	-	NEW YORK N Y	5.00	8/1/2047	568.8	189
41		UNIV CALIF REGTS MED CTR POOLED REV	4.13	5/15/2032	566.5	142
42		FARMINGTON N MEX POLLUTN CTL REV	1.80	4/1/2029	566.3	24
43		SAN FRANCISCO CALIF CITY & CNTY ARPTS COMMN INTL ARPT REV	5.00	5/1/2049	561.7	91
44		NEW JERSEY HEALTH CARE FACS FING AUTH REV	4.00	7/1/2051	543.6	481
45		PUERTO RICO COMWLTH AQUEDUCT & SWR AUTH REV	4.00	7/1/2042	523.0	33
46		MASSACHUSETTS ST TRANSN FD REV	5.00	6/1/2052	519.5	35
47		PUERTO RICO COMWLTH	5.63	7/1/2027	509.1	1,306
48		NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV	4.00	6/15/2039	507.7	225
49		MASSACHUSETTS ST TRANSN FD REV	5.00	6/1/2050	500.5	84
50	38122NZW5	GOLDEN ST TOB SECURITIZATION CORP CALIF TOB SETTLEMENT REV	5.00	6/1/2047	500.2	88

¹ Excludes zero-coupon securities

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Top 50 Most Active Fixed Rate¹ Securities, 2022:Q2

By number of trades

					Par Amount	Number of
Rank	CUSIP ²	Issuer Name	Coupon	Maturity	(\$ Millions)	Trades
1	592643DR8	METROPOLITAN WASH D C ARPTS AUTH DULLES TOLL RD REV	4.00	10/1/2052	704.5	1,753
2	546399KS4	LOUISIANA PUB FACS AUTH REV	4.00	5/15/2049	319.1	1,657
3	64983SJX4	NEW YORK ST DORM AUTH REVS SECONDARILY INSD	4.25	5/1/2052	359.7	1,571
4	646140DK6	NEW JERSEY ST TPK AUTH TPK REV	4.00	1/1/2051	400.4	1,564
5	207098MD3	CONESTOGA VALLEY SCH DIST PA	4.00	2/1/2051	229.3	1,467
6	74514L3F2	PUERTO RICO COMWLTH	5.38	7/1/2025	486.8	1,331
7	74514L3H8	PUERTO RICO COMWLTH	5.63	7/1/2029	454.4	1,306
8	74514L3G0	PUERTO RICO COMWLTH	5.63	7/1/2027	509.1	1,306
9	74514L3E5	PUERTO RICO COMWLTH	5.25	7/1/2023	363.0	1,260
10	913366KT6	UNIV CALIF REGTS MED CTR POOLED REV	4.00	5/15/2053	1,355.9	1,219
11	74514L3N5	PUERTO RICO COMWLTH	4.00	7/1/2041	469.2	1,217
12	68608JZA2	OREGON ST FACS AUTH REV	4.13	6/1/2052	151.7	1,199
13	74514L3K1	PUERTO RICO COMWLTH	4.00	7/1/2033	460.0	1,172
14	65000BNG9	NEW YORK ST DORM AUTH REVS NON ST SUPPORTED DEBT	4.25	5/1/2052	687.1	1,168
15	74514L3P0	PUERTO RICO COMWLTH	4.00	7/1/2046	495.8	1,154
16	74514L3J4	PUERTO RICO COMWLTH	5.75	7/1/2031	340.4	1,153
17	74514L3M7	PUERTO RICO COMWLTH	4.00	7/1/2037	234.6	1,111
18	74514L3L9	PUERTO RICO COMWLTH	4.00	7/1/2035	218.6	1,078
19	60637AHZ8	MISSOURI ST HEALTH & EDL FACS AUTH HEALTH FACS REV	4.00	1/1/2045	443.2	1,005
20	65821DWM9	NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV	4.00	11/1/2052	201.1	977
21	645790FA9	NEW JERSEY HEALTH CARE FACS FING AUTH REV	4.00	7/1/2041	191.0	912
22	373064Q49	GEORGETOWN TEX UTIL SYS REV	4.25	8/15/2047	133.8	904
23	837151ZZ5	SOUTH CAROLINA ST PUB SVC AUTH REV	4.00	12/1/2052	284.2	897
24	348430PV5	FORT PIERCE FLA UTILS AUTH REV	4.00	10/1/2052	205.3	880
25	68450LGQ2	ORANGE CNTY FLA HEALTH FACS AUTH REV	4.00	10/1/2052	353.8	878
26	362762PS9	GAINESVILLE & HALL CNTY GA HOSP AUTH REV ANTIC CTFS	4.00	2/15/2045	109.7	828
27	190813SZ9	COBB CNTY GA KENNESTONE HOSP AUTH REV	4.00	4/1/2052	320.2	818
28	010685KJ3	ALACHUA CNTY FLA HEALTH FACS AUTH HEALTH FACS REV	4.00	12/1/2049	308.5	810
29	64972GZH0	NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV	4.00	6/15/2051	404.1	806
30	74529JPX7	PUERTO RICO SALES TAX FING CORP SALES TAX REV	5.00	7/1/2058	791.4	770
31	118217CZ9	BUCKEYE OHIO TOB SETTLEMENT FING AUTH	5.00	6/1/2055	1,387.1	758
32	451295C80	IDAHO HEALTH FACS AUTH REV	4.00	3/1/2046	86.7	757
33	48504NCG2	KANSAS CITY MO INDL DEV AUTH ARPT SPL OBLIG	4.00	3/1/2045	229.6	742
34	64972GDE1	NEW YORK N Y CITY MUN WTR FIN AUTH WTR & SWR SYS REV	5.00	6/15/2046	325.4	741
35	771902HF3	ROCHESTER MINN HEALTH CARE FACS REV	4.00	11/15/2048	89.2	723
36	04052EAY4	ARIZONA INDL DEV AUTH HOSP REV	4.00	2/1/2050	242.7	712
37	645913AA2	NEW JERSEY ECONOMIC DEV AUTH ST PENSION FDG REV	7.43	2/15/2029	268.7	712
38	766357ME4	RIDLEY PA SCH DIST	4.00	11/15/2043	78.6	695
39	59447TQ22	MICHIGAN FIN AUTH REV	4.00	11/1/2055	76.9	682
40	296110GH6	ESCAMBIA CNTY FLA HEALTH FACS AUTH HEALTH FAC REV	4.00	8/15/2050	74.8	668
41	65821DMM0	NORTH CAROLINA MED CARE COMMN HEALTH CARE FACS REV	4.00	12/1/2045	92.6	659
42		HAMPTON RDS TRANSN ACCOUNTABILITY COMMN VA HAMPTON RDS TRANSN FD REV	4.00	7/1/2057	419.6	653
43	160853TH0	CHARLOTTE-MECKLENBURG HOSP AUTH N C HEALTH CARE SYS REV	4.00	1/15/2045	126.9	650
44	64972C5C3	NEW YORK N Y CITY HSG DEV CORP MULTIFAMILY HSG REV	4.00	11/1/2053	85.3	633
45		PORT AUTH N Y & N J	4.00	9/1/2049	89.5	631
46		NEW YORK ST DORM AUTH ST PERS INCOME TAX REV	5.00	12/15/2030	198.2	629
47	13032UB23		4.00	8/15/2048	1,056.4	622
48		HEMPFIELD PA AREA SCH DIST WESTMORELAND CNTY	3.75	3/15/2044	54.0	611
49	930868BX1	WAKE CNTY N C INDL FACS & POLLUTION CTL FING AUTH REV	4.00	6/1/2041	42.6	607
50		SOUTH BROWARD HOSP DIST FLA REV	4.00	5/1/2044	315.4	602
30	5567551017		1.00	3/ 1/2044	515.4	002

¹ Excludes zero-coupon securities

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Trade Type and Size

Average daily par amount in \$ millions

	2022:Q2
All Trades	
Total	16,281.2
0 - \$25,000	423.6
\$25,001 - \$50,000	451.7
\$50,001 - \$75,000	200.2
\$75,001 - \$100,000	369.0
\$100,001 - \$500,000	1,527.6
\$500,001 - \$1,000,000	910.6
\$1,000,001 - \$2,000,000	1,225.4
More than \$2,000,000	11,173.1

Customer Bought	
Total	8,043.3
0 - \$25,000	151.0
\$25,001 - \$50,000	165.5
\$50,001 - \$75,000	69.2
\$75,001 - \$100,000	138.5
\$100,001 - \$500,000	603.8
\$500,001 - \$1,000,000	417.0
\$1,000,001 - \$2,000,000	587.1
More than \$2,000,000	5,911.2
Customer Sold	
Total	5,630.4
0 - \$25,000	99.9
\$25,001 - \$50,000	102.3
\$50,001 - \$75,000	55.7
\$75,001 - \$100,000	82.3
\$100,001 - \$500,000	388.2
\$500,001 - \$1,000,000	248.5

More than \$2,000,000	4,262.3
Inter-Dealer	
Total	2,607.5
0 - \$25,000	172.7
\$25,001 - \$50,000	183.9
\$50,001 - \$75,000	75.3
\$75,001 - \$100,000	148.2
\$100,001 - \$500,000	535.6
\$500,001 - \$1,000,000	245.1
\$1,000,001 - \$2,000,000	247.1
More than \$2,000,000	999.5

391.2

\$1,000,001 - \$2,000,000

Trade Type and Size

	2022:Q2
All Trades	
Total	55,328.5
0 - \$25,000	27,754.9
\$25,001 - \$50,000	10,866.3
\$50,001 - \$75,000	3,031.9
\$75,001 - \$100,000	3,825.8
\$100,001 - \$500,000	6,504.9
\$500,001 - \$1,000,000	1,147.6
\$1,000,001 - \$2,000,000	809.4
More than \$2,000,000	1,387.6

Customer Bought	
Total	20,164.5
0 - \$25,000	9,622.1
\$25,001 - \$50,000	3,948.8
\$50,001 - \$75,000	1,047.9
\$75,001 - \$100,000	1,431.4
\$100,001 - \$500,000	2,502.0
\$500,001 - \$1,000,000	521.7
\$1,000,001 - \$2,000,000	387.0
More than \$2,000,000	703.6
Customor Sold	

Customer Sold	
Total	13,731.4
0 - \$25,000	6,710.9
\$25,001 - \$50,000	2,520.4
\$50,001 - \$75,000	844.3
\$75,001 - \$100,000	862.7
\$100,001 - \$500,000	1,709.7
\$500,001 - \$1,000,000	313.5
\$1,000,001 - \$2,000,000	258.0
More than \$2,000,000	511.8
Inter Declar	

Inter-Dealer	
Total	21,432.6
0 - \$25,000	11,421.9
\$25,001 - \$50,000	4,397.2
\$50,001 - \$75,000	1,139.7
\$75,001 - \$100,000	1,531.7
\$100,001 - \$500,000	2,293.2
\$500,001 - \$1,000,000	312.4
\$1,000,001 - \$2,000,000	164.3
More than \$2,000,000	172.2

Transaction Summary - Fixed Rate Securities

Average daily par amount in \$ millions

	2022:Q2
Fixed Rate	
Total	11,566.6
0 - \$25,000	416.9
\$25,001 - \$50,000	443.3
\$50,001 - \$75,000	196.3
\$75,001 - \$100,000	353.5
\$100,001 - \$500,000	1,438.0
\$500,001 - \$1,000,000	821.2
\$1,000,001 - \$2,000,000	1,072.3
More than \$2,000,000	6,825.1

Zero Coupon	
Total	363.3
0 - \$25,000	5.0
\$25,001 - \$50,000	6.1
\$50,001 - \$75,000	2.6
\$75,001 - \$100,000	5.2
\$100,001 - \$500,000	17.0
\$500,001 - \$1,000,000	11.0
\$1,000,001 - \$2,000,000	12.3
More than \$2,000,000	304.0

Transaction Summary - Fixed Rate Securities

	2022:Q2
Fixed Trade	
Total	53,487
0 - \$25,000	27,229
\$25,001 - \$50,000	10,665
\$50,001 - \$75,000	2,972
\$75,001 - \$100,000	3,668
\$100,001 - \$500,000	6,178
\$500,001 - \$1,000,000	1,037
\$1,000,001 - \$2,000,000	711
More than \$2,000,000	1,027

Zero Coupon	
Total	749
0 - \$25,000	392
\$25,001 - \$50,000	146
\$50,001 - \$75,000	40
\$75,001 - \$100,000	54
\$100,001 - \$500,000	75
\$500,001 - \$1,000,000	14
\$1,000,001 - \$2,000,000	8
More than \$2,000,000	20

Source of Repayment

Average daily par amount in \$ millions

	2022:Q2
Fixed Rate	
Total	11,566.6
General Obligation	3,413.3
Revenue	7,808.1
Double Barrel	345.2

Zero Coupon	
Total	363.3
General Obligation	92.9
Revenue	265.3
Double Barrel	5.0

53,487
19,566
32,050
1,871

Zero Coupon	
Total	749
General Obligation	450
Revenue	284
Double Barrel	15

Tax Status

Average daily par amount in \$ millions

	2022:Q2
Fixed Rate	
Total	11,566.6
Tax Exempt	9,835.2
Taxable	1,176.4
AMT	555.0

Zero Coupon	
Total	363.3
Tax Exempt	350.1
Taxable	13.2
AMT	0

Fixed Rate	
Total	53,487
Tax Exempt	49,935
Taxable	2,668
AMT	884

Zero Coupon	
Total	749
Tax Exempt	705
Taxable	44
AMT	0

Sector

Average daily par amount in \$ millions

	2022:Q2
Fixed Rate	
Total	11,566.6
Education	2,269.8
Health	1,121.8
Housing	260.0
Tax-Revenue	1,549.1
Transportation	1,456.6
Utility	1,453.5
Various Purpose	1,756.3
Other	1,699.5

Zero Coupon	
Total	363.3
Education	72.6
Health	5.4
Housing	9.7
Tax-Revenue	114.6
Transportation	29.2
Utility	2.9
Various Purpose	15.9
Other	113.1

Fixed Rate	
Total	53,487
Education	13,729
Health	4,007
Housing	1,249
Tax-Revenue	5,681
Transportation	4,985
Utility	7,441
Various Purpose	7,997
Other	8,399

Zero Coupon	
Total	749
Education	386
Health	14
Housing	1
Tax-Revenue	92
Transportation	89
Utility	33
Various Purpose	65
Other	69

Variable Rate Demand Obligations¹ Trade Type and Size

Average daily par amount in \$ millions

	2022:Q2
All Trades	
Total	3,106.5
0 - \$25,000	<0.1
\$25,001 - \$50,000	<0.1
\$50,001 - \$75,000	<0.1
\$75,001 - \$100,000	7.6
\$100,001 - \$500,000	55.4
\$500,001 - \$1,000,000	63.6
\$1,000,001 - \$2,000,000	114.9
More than \$2,000,000	2,865.0

Customer Bought	
Total	1,495.1
0 - \$25,000	<0.1
\$25,001 - \$50,000	<0.1
\$50,001 - \$75,000	<0.1
\$75,001 - \$100,000	2.5
\$100,001 - \$500,000	24.6
\$500,001 - \$1,000,000	30.6
\$1,000,001 - \$2,000,000	58.9
More than \$2,000,000	1,378.5

Customer Sold	
Total	1,442.3
0 - \$25,000	<0.1
\$25,001 - \$50,000	<0.1
\$50,001 - \$75,000	<0.1
\$75,001 - \$100,000	3.4
\$100,001 - \$500,000	19.8
\$500,001 - \$1,000,000	24.5
\$1,000,001 - \$2,000,000	47.6
More than \$2,000,000	1,346.9

Inter-Dealer	
Total	169.1
0 - \$25,000	<0.1
\$25,001 - \$50,000	<0.1
\$50,001 - \$75,000	<0.1
\$75,001 - \$100,000	1.7
\$100,001 - \$500,000	10.9
\$500,001 - \$1,000,000	8.5
\$1,000,001 - \$2,000,000	8.4
More than \$2,000,000	139.5

¹ Based on data submitted to the MSRB's Short-Term Obligation Rate Transparency (SHORT) System. May exclude

submissions that could not be categorized based on available data.

Variable Rate Demand Obligations¹ Trade Type and Size

Average daily number of trades

	2022:Q2
All Trades	
Total	669
0 - \$25,000	<1
\$25,001 - \$50,000	<1
\$50,001 - \$75,000	<1
\$75,001 - \$100,000	77
\$100,001 - \$500,000	185
\$500,001 - \$1,000,000	79
\$1,000,001 - \$2,000,000	75
More than \$2,000,000	254

Customer Bought	
Total	307
0 - \$25,000	<0.1
\$25,001 - \$50,000	<1
\$50,001 - \$75,000	<1
\$75,001 - \$100,000	25
\$100,001 - \$500,000	80
\$500,001 - \$1,000,000	38
\$1,000,001 - \$2,000,000	38
More than \$2,000,000	125

Customer Sold	
Total	277
0 - \$25,000	<1
\$25,001 - \$50,000	<1
\$50,001 - \$75,000	<1
\$75,001 - \$100,000	34
\$100,001 - \$500,000	67
\$500,001 - \$1,000,000	31
\$1,000,001 - \$2,000,000	31
More than \$2,000,000	115

Inter-Dealer	
Total	86
0 - \$25,000	<1
\$25,001 - \$50,000	<1
\$50,001 - \$75,000	<0.1
\$75,001 - \$100,000	17
\$100,001 - \$500,000	38
\$500,001 - \$1,000,000	10
\$1,000,001 - \$2,000,000	5
More than \$2,000,000	14

¹ Based on data submitted to the MSRB's Short-Term Obligation Rate Transparency (SHORT) System. May exclude submissions that could not be categorized based on available data.

Auction Rate Securities¹ Trade Type and Size

Average daily par amount in \$ millions

	2022:Q2
All Trades	
Total	12.4
0 - \$25,000	0.1
\$25,001 - \$50,000	0.2
\$50,001 - \$75,000	0.2
\$75,001 - \$100,000	0.4
\$100,001 - \$500,000	3.8
\$500,001 - \$1,000,000	1.8
\$1,000,001 - \$2,000,000	1.1
More than \$2,000,000	4.8

Customer Bought

Total	3.75
0 - \$25,000	0.1
\$25,001 - \$50,000	0.1
\$50,001 - \$75,000	0.1
\$75,001 - \$100,000	0.2
\$100,001 - \$500,000	1.0
\$500,001 - \$1,000,000	0.5
\$1,000,001 - \$2,000,000	0.4
More than \$2,000,000	1.4

Customer Sold	
Total	3.63
0 - \$25,000	<0.1
\$25,001 - \$50,000	0.1
\$50,001 - \$75,000	<0.1
\$75,001 - \$100,000	0.1
\$100,001 - \$500,000	1.2
\$500,001 - \$1,000,000	0.6
\$1,000,001 - \$2,000,000	0.3
More than \$2,000,000	1.4

Inter-Dealer	
Total	4.8
0 - \$25,000	<0.1
\$25,001 - \$50,000	0.1
\$50,001 - \$75,000	<0.1
\$75,001 - \$100,000	0.1
\$100,001 - \$500,000	1.6
\$500,001 - \$1,000,000	0.7
\$1,000,001 - \$2,000,000	0.4
More than \$2,000,000	1.9

¹ Based on data submitted to the MSRB's Short-Term Obligation Rate Transparency (SHORT) System. May exclude submissions that could not be categorized based on available data.

Auction Rate Securities¹ Trade Type and Size

Average daily number of trades

	2022:Q2
All Trades	
Total	34
0 - \$25,000	6
\$25,001 - \$50,000	4
\$50,001 - \$75,000	2
\$75,001 - \$100,000	4
\$100,001 - \$500,000	14
\$500,001 - \$1,000,000	2
\$1,000,001 - \$2,000,000	1
More than \$2,000,000	1

Customer Bought

Total	12
0 - \$25,000	3
\$25,001 - \$50,000	2
\$50,001 - \$75,000	1
\$75,001 - \$100,000	2
\$100,001 - \$500,000	4
\$500,001 - \$1,000,000	1
\$1,000,001 - \$2,000,000	<1
More than \$2,000,000	<1

Customer Sold	
Total	10
0 - \$25,000	1
\$25,001 - \$50,000	1
\$50,001 - \$75,000	1
\$75,001 - \$100,000	1
\$100,001 - \$500,000	4
\$500,001 - \$1,000,000	1
\$1,000,001 - \$2,000,000	<1
More than \$2,000,000	<1

Inter-Dealer	
Total	12
0 - \$25,000	2
\$25,001 - \$50,000	1
\$50,001 - \$75,000	1
\$75,001 - \$100,000	1
\$100,001 - \$500,000	6
\$500,001 - \$1,000,000	1
\$1,000,001 - \$2,000,000	<1
More than \$2,000,000	1

¹ Based on data submitted to the MSRB's Short-Term Obligation Rate Transparency (SHORT) System. May exclude submissions that could not be categorized based on available data.

Customer Trade and Size of Tax Exempt, Fixed Rate Securities

Average daily yields

	2022:Q2
All Trades	
Total	3.01
0 - \$25,000	3.06
\$25,001 - \$50,000	2.99
\$50,001 - \$75,000	2.89
\$75,001 - \$100,000	2.94
\$100,001 - \$500,000	2.87
\$500,001 - \$1,000,000	2.97
\$1,000,001 - \$2,000,000	3.01
More than \$2,000,000	3.29

Customer Bought	
Total	2.92
0 - \$25,000	2.97
\$25,001 - \$50,000	2.92
\$50,001 - \$75,000	2.79
\$75,001 - \$100,000	2.85
\$100,001 - \$500,000	2.74
\$500,001 - \$1,000,000	2.89
\$1,000,001 - \$2,000,000	3.00
More than \$2,000,000	3.31
Customer Sold	
Total	3.07
0 - \$25,000	3.19
\$25,001 - \$50,000	2 0 2

\$25,001 - \$50,000	3.02
\$50,001 - \$75,000	2.92
\$75,001 - \$100,000	2.91
\$100,001 - \$500,000	2.84
\$500,001 - \$1,000,000	2.91
\$1,000,001 - \$2,000,000	2.97
More than \$2,000,000	3.28

Number of Variable Rate Demand Obligations Rate Resets by Type¹

	2022:Q2
Total	65,338
Set by Remarketing Agent	65,285
Set by Formula	48
Maximum Rate	5

¹ Based on data submitted to the MSRB's Short-Obligation Rate Transparency (SHORT) System. May exclude submissions that could not be categorized based on available information.

Number of Auction Rate Securities Rate Resets by Type¹

	2022:Q2
Total	471
Set by Auction	307
Maximum Rate	137
All Hold Rate	27

¹ Based on data submitted to the MSRB's Short-Obligation Rate Transparency (SHORT) System. May exclude submissions that could not be categorized based on available information.

Continuing Disclosures Submissions

Number of Documents

	2022:Q2
Bond Call	7,971
Audited Financial Statements or CAFR	7,502
Annual Financial Information and Operation Data	7,377
Quarterly/Monthly Financial Information	4,313
Other Financial/Operating Data	1,852
Rating Change	1,546
Other Event-Based Disclosures	1,176
Budget	1,119
Financial Obligation - Incurrence or Agreement	1,117
Failure to Provide Annual Financial Info	731
Defeasance	678
Notice to Investor Pursuant to Bond Documents	340
Interim/Additional Financial Information/Operating Data	290
Failure to Provide Event Filing Information	178
Successor, Additional or Change in Trustee	176
Tender Offer/Secondary Market Purchases	75
Principal & Interest Payment Delinquency	75
Consultant Reports	63
Information Provided to Rating Agency, Credit/Liquidity Provider or Other Third Party	52
Asset Backed Securities Filings	36
Unscheduled Draw on Debt Service Reserve	27
Bid for Auction Rate or Other Securities	26
Change in Obligated Person	21
Consolidation	20
Investment/Debt/Financial Policy	19
Capital or Other Financing Plan	17
Non-payment Related Default	16
Substitution of Credit or Liquidity Provider or Its Failure to Perform	16
Litigation/Enforcement Action	15
Bankruptcy, Insolvency, Receivership	14
Release, Substitution or Sale of Property	11
Change of Tender Agent, Remarketing Agent, or Other On-Going Party	10
Modification to the Rights of Security Holders	9
Amendment to Continuing Disclosure Undertaking	8
Unscheduled Draw on Credit Enhancement	7
Change in Fiscal Year/Timing of Annual Disclosure	6
Financial Obligation - Event Reflecting Financial Difficulties	5
Adverse Tax Opinion or Event Affecting Tax-Exempt Status	3
Communication from the Internal Revenue Service	2
Change in Accounting Standard	2
Derivative	1

Definition of Terms Used

Alternative Minimum Tax (AMT) Municipal Security—a tax-exempt bond, interest on which is subject to the alternative minimum tax.

Auction Rate Securities (ARS)-variable rate bonds whose interest rate is reset periodically under the Dutch auction process.

Bond—a security with two years or more in maturity (maturity date less dated date) with fixed or zero interest rate.

Commercial Paper—short-term, unsecured promissory notes, usually backed by a line of credit with a bank, that mature within 270 days.

CUSIP number (Committee on Uniform Securities Identification Procedures)—an identification number assigned to each maturity of an issue intended to help facilitate the identification and clearance of securities.

Customer Bought—a municipal trade in which a customer bought the security from a broker dealer or bank.

Customer Sold—a municipal trade in which a customer sold the security to a broker-dealer or bank.

Customer Trade—a municipal securities trade between a broker-dealer (including a dealer bank or broker's broker), acting as agent in an agency trade or as purchaser or seller in a principal trade, and a contra-party that is not a broker-dealer (including including a dealer bank or broker's broker).

Dated Date—the date of an issue from which interest on the issue usually starts to accrue, even though the issue may actually be delivered at some later date.

Double Barrel Municipal Security—a security with characteristics of both revenue and general obligation instruments.

Fixed Rate—an interest rate on a security that does not change for the remaining life of the security.

General Obligation Municipal Security— a security that is secured by the full faith, credit and taxing power of an issuer. General obligation securities issued by local units of government are typically secured by a pledge of the issuer's "ad valorem" taxing power; general obligation securities issued by states are generally based upon appropriations made by the state legislature for the purposes specified.

Inter-Dealer—a municipal securities trade between two broker-dealers, including dealer banks or broker's brokers.

Long Note—a security with over nine months in maturity, but under two years in maturity (maturity date less dated date) with fixed or zero interest rate.

Revenue Municipal Security—a security that is payable from a specific source of revenue and to which the full faith and credit of an issuer with taxing power is not pledged. Revenue bonds are payable from identified sources of revenue and do not permit the bondholders to compel taxation or legislative appropriation of funds not pledged for payment of debt service.

RULE 15c2-12—an SEC rule under the Securities Exchange Act of 1934 setting forth certain obligations of (i) underwriters to receive, review and disseminate official statements prepared by issuers of most primary offerings of municipal securities, (ii) underwriters to obtain continuing disclosure agreements from issuers and other obligated persons to provide material event disclosures and annual financial information on a continuing basis, and (iii) broker-dealers to have access to such continuing disclosure in order to make recommendations of municipal securities in the secondary market.

Sector—transactions according to the security's use of proceeds, i.e., issuer's intended use of the capital raised by the offering, according to definitions provided by Standard & Poor's Securities Evaluations, Inc. The top seven most active sectors based on par amount are displayed, as well as an "Other" category that includes the remaining sectors and trades for which the sector information was not available.

Short Note—a security with nine months or less in maturity (maturity date less dated date) with fixed or zero interest rate.

Tax Exempt—interest on most municipal securities is excluded from gross income for federal income tax purposes and may or may not be exempt from state income or personal property taxation in the jurisdiction where issued or in other jurisdictions. If the bond is exempt from state income tax, it possesses "double exemption" status. "Triple exemption" bonds are exempt from municipal, local income or other special taxes, as well as from federal and state income tax. Taxable—bonds or other securities issued by a municipal issuer for which interest or other investment return is included in gross income for federal income tax purposes. A municipal security may be issued on a taxable basis because the intended use of proceeds does not meet federal tax law requirements for the exclusion from gross income (e.g., private activity bonds that are not qualified bonds) or because certain other federal tax law requirements are not meet (e.g., insufficient volume cap).

Variable (Long and Short)—variable interest rate securities with interest reset periods. Over 99 percent of these securities are short variable (interest reset period of nine months or less) as opposed to long variables (interest reset period longer than nine months.)

Variable Rate—an interest rate, sometimes referred to as a "floating rate," on a security that changes at intervals according to market conditions or a predetermined index or formula.

Variable Rate Demand Obligation (VRDO)—floating rate obligations that have a nominal long-term maturity but have a coupon rate that is reset periodically (*e.g.*, daily or weekly). The investor has the option to put the issue back to the trustee or tender agent at any time with specified (*e.g.*, seven days') notice.

Zero Coupon—an original issue discount bond on which no periodic interest payments are made but which is issued at a deep discount from par, accreting (at the rate represented by the offering yield at issuance) to its full value at maturity.