
State of Wisconsin
Additional/Voluntary Filing # 2023-15
Dated April 18, 2023

This Additional/Voluntary Filing does not concern an event described in Securities and Exchange Act Rule 15c2-12, as amended. The State of Wisconsin provides this information as it may be material to the financial evaluation of one or more obligations of the State of Wisconsin.

Issuer: State of Wisconsin General Obligation Bonds

CUSIP Numbers:	97705L 8P5	97705M ME2	97705M PS8
	97705M CZ6	97705M MF9	97705M PT6
	97705M DA0	97705M MG7	97705M PU3
	97705M DE2	97705M MH5	97705M QM0
	97705M DF9	97705M MJ1	97705M QN8
	97705M DG7	97705M MK8	97705M QP3
	97705M DH5	97705M ML6	97705M QQ1
	97705M EE1	97705M MM4	97705M QR9
	97705M ZK4	97705M MN2	97705M RH0
	97705M GA7	97705M MZ5	97705M RJ6
	97705M GB5	97705M NA9	97705M RK3
	97705M GC3	97705M NB7	97705M RL1
	97705M GE9	97705M NC5	97705M RM9
	97705M GF6	97705M ND3	97705M RN7
	97705M GG4	97705M NE1	97705M RP2
	97705M GH2	97705M NF8	97705M RX5
	97705M GJ8	97705M NG6	97705M RY3
	97705M GU3	97705M NH4	97705M RZ0
	97705M GV1	97705M NJ0	97705M SA4
	97705M KC8	97705M NK7	97705M SB2
	97705M KG9	97705M ZM0	97705M SC0
	97705M KH7	97705M NR2	97705M ZQ1
	97705M KJ3	97705M NS0	97705M SE6
	97705M KK0	97705M NT8	97705M SF3
	97705M KL8	97705M NU5	97705M SG1
	97705M KM6	97705M NV3	97705M SH9
	97705M KS3	97705M ZN8	97705M UM5
	97705M KT1	97705M PL3	97705M UN3
	97705M KU8	97705M PM1	97705M UZ6
	97705M KV6	97705M PN9	97705M VA0
	97705M LP8	97705M PP4	97705M VB8
	97705M LQ6	97705M PQ2	97705M VC6
	97705M LR4	97705M PR0	97705M VD4

Type of Information: Additional/Voluntary Disclosure
Other Event-Based Disclosures; Pricing Notice

The State of Wisconsin is releasing the pricing notice related to the Invitation to Tender Bonds, dated April 11, 2023, for the above CUSIP numbers. The purchase prices (tax-exempt bonds) and yield spreads (taxable bonds) are outlined in the [attached invitation](#).

This filing is voluntary and NOT an event filing for a defeasance or bond call.

Additional/Voluntary Filing # 2023-15

April 18, 2023

Page 2

The State of Wisconsin is providing this Additional/Voluntary Filing with the Municipal Securities Rulemaking Board through its Electronic Municipal Market Access system. This Additional/Voluntary Filing is also available on the State of Wisconsin Capital Finance Office website and State of Wisconsin investor relations website at:

doa.wi.gov/capitalfinance
wisconsinbonds.com

The undersigned represents that he is the Capital Finance Director, State of Wisconsin Capital Finance Office, which is the office of the State of Wisconsin responsible for providing additional/voluntary filings, annual reports, and Event Filings pursuant to the State's Master Agreement on Continuing Disclosure (Amended and Restated March 1, 2019) and is authorized to distribute this information publicly.

/s/ AARON M. HEINTZ

Aaron M. Heintz, Capital Finance Director
State of Wisconsin Capital Finance Office
Wisconsin Department of Administration
101 East Wilson Street, FLR 10
Madison, WI 53703

Phone: 608.267.1836

Email: DOACapitalFinanceOffice@wisconsin.gov

Websites: doa.wi.gov/capitalfinance
wisconsinbonds.com

PRICING NOTICE

**RELATING TO THE
INVITATION TO TENDER BONDS DATED April 11, 2023
made by
STATE OF WISCONSIN**

to the Holders described herein of all or any portion of the maturities of the

STATE OF WISCONSIN

General Obligation Refunding Bonds of 2015, Series 1
General Obligation Bonds of 2016, Series A
General Obligation Refunding Bonds of 2016, Series 2
General Obligation Bonds of 2017, Series A
General Obligation Refunding Bonds of 2017, Series 1
General Obligation Bonds of 2017, Series B
General Obligation Refunding Bonds of 2017, Series 3
General Obligation Bonds of 2018, Series A
General Obligation Bonds of 2018, Series B

General Obligation Bonds of 2019, Series A
General Obligation Bonds of 2019, Series B
General Obligation Bonds of 2020, Series A
General Obligation Bonds of 2021, Series A
General Obligation Refunding Bonds of 2019, Series 1 (Taxable)
General Obligation Refunding Bonds of 2020, Series 2 (Taxable)
General Obligation Refunding Bonds of 2020, Series 3 (Taxable)
General Obligation Refunding Bonds of 2021, Series 3 (Taxable)

The purpose of this Pricing Notice, dated April 18, 2023 (the "Pricing Notice") is to either confirm or amend the Purchase Prices for the Tax-Exempt Bonds, and the Fixed Spreads for the Taxable Bonds, subject to the Tender Offer (hereinafter defined). Except as provided below with respect to one Benchmark Treasury Security, all other terms relating to the Tender Offer remain unchanged.

Pursuant to the Invitation to Tender Bonds dated April 11, 2023 (as it may be amended or supplemented, the "**Tender Offer**"), the State of Wisconsin, acting through the State of Wisconsin Building Commission (the "**State**"), invited offers to tender Bonds for cash, (a) with respect to the Taxable Bonds, at the applicable purchase prices based on a fixed spread to be added to the yields on certain benchmark United States Treasury Securities set forth in this Pricing Notice, and (b) with respect to the Tax-Exempt Bonds, at the applicable purchase prices set forth in this Pricing Notice, plus, in each case, Accrued Interest on the Bonds tendered for purchase to but not including the Settlement Date. All terms used herein and not otherwise defined are used as defined in the Tender Offer.

As set forth in the Tender Offer, the State retains the right to extend the Tender Offer, or amend the terms of the Tender Offer (including a waiver of any term) in any material respect, provided, that the State shall provide notice of any such extension or amendment no less than five (5) business days prior to the Expiration Date, as it may be extended. In such event, any offers submitted with respect to the affected Bonds prior to such change in the Purchase Price or Fixed Spreads for such Bonds pursuant to the Tender Offer will remain in full force and effect and any Bondholder of such affected Bonds as applicable, wishing to revoke their offer to tender such Bonds for purchase must affirmatively withdraw such offer prior to the Expiration Date, as extended.

Bondholders should note that, as indicated herein, one Benchmark Security Treasury used to determine the Fixed Spreads has changed from those referenced in the Tender Offer.

The Tender Offer, including the Preliminary Official Statement relating to the State of Wisconsin General Obligation Refunding Bonds of 2023, Series 2 and General Obligation Refunding Bonds of 2025, Series 1 (Forward Delivery) is available: (i) at the Municipal Securities Rulemaking Board through its Electronic Municipal Market Access website, currently located at <http://emma.msrb.org>, using the CUSIP numbers for the Bonds, and (ii) on the website of the Information Agent at www.globic.com/wisconsin.

Any questions are to be directed to the Information Agent at (212) 227-9622.

TENDER OFFER – PURCHASE PRICES (TAX-EXEMPT BONDS)

Pursuant to the Tender Offer, the Purchase Prices for the Tax-Exempt Bonds are listed below. The Purchase Price to be paid on the Settlement Date excludes Accrued Interest on the Tax-Exempt Bonds tendered for purchase, which interest will be paid to but not including the Settlement Date in addition to the Purchase Price.

Series	CUSIP	Maturity Date	Interest Rate	Outstanding Principal Amount	Purchase Price as a Percentage of Par
2015 Series 1	97705L8P5	5/1/2029	5.000%	\$27,445,000	106.549
2016 Series A	97705MCZ6	5/1/2028	5.000%	12,920,000	106.508
2016 Series A	97705MDA0	5/1/2029	5.000%	13,620,000	106.549
2016 Series A	97705MDE2	5/1/2033	5.000%	38,130,000	106.386
2016 Series A	97705MDF9	5/1/2034	5.000%	40,095,000	106.243
2016 Series A	97705MDG7	5/1/2035	5.000%	42,230,000	105.980
2016 Series A	97705MDH5	5/1/2036	5.000%	27,590,000	105.919
2016 Series 2	97705MEE1	11/1/2029	5.000%	43,200,000	109.339
2016 Series 2	97705MZK4	11/1/2030	5.000%	12,605,000	109.156
2017 Series A	97705MGA7	5/1/2029	5.000%	16,840,000	106.549
2017 Series A	97705MGB5	5/1/2030	5.000%	17,760,000	106.488
2017 Series A	97705MGC3	5/1/2031	5.000%	18,760,000	106.488
2017 Series A	97705MGE9	5/1/2033	5.000%	20,825,000	106.386
2017 Series A	97705MGF6	5/1/2034	5.000%	21,945,000	106.243
2017 Series A	97705MGG4	5/1/2035	5.000%	23,115,000	105.980
2017 Series A	97705MGH2	5/1/2036	5.000%	24,325,000	105.919
2017 Series A	97705MGJ8	5/1/2037	5.000%	28,085,000	105.474
2017 Series 1	97705MGU3	11/1/2030	5.000%	20,050,000	112.541
2017 Series 1	97705MGV1	11/1/2031	5.000%	50,915,000	112.500
2017 Series B	97705MKC8	5/1/2029	5.000%	9,245,000	106.549
2017 Series B	97705MKG9	5/1/2033	5.000%	11,345,000	106.386
2017 Series B	97705MKH7	5/1/2034	5.000%	11,945,000	106.243
2017 Series B	97705MKJ3	5/1/2035	5.000%	12,575,000	105.980
2017 Series B	97705MKK0	5/1/2036	5.000%	13,235,000	105.919
2017 Series B	97705MKL8	5/1/2037	5.000%	13,915,000	105.474
2017 Series B	97705MKM6	5/1/2038	5.000%	79,125,000	105.273
2017 Series 3	97705MKS3	11/1/2030	5.000%	56,255,000	112.541
2017 Series 3	97705MKT1	11/1/2031	5.000%	37,260,000	112.500
2017 Series 3	97705MKU8	11/1/2032	5.000%	39,295,000	112.415
2017 Series 3	97705MKV6	11/1/2033	5.000%	41,440,000	112.255
2018 Series A	97705MLP8	5/1/2033	4.000%	16,270,000	105.483
2018 Series A	97705MLQ6	5/1/2034	4.000%	17,140,000	105.414
2018 Series A	97705MLR4	5/1/2035	4.000%	18,110,000	105.166
2018 Series B	97705MME2	5/1/2031	5.000%	12,230,000	109.065
2018 Series B	97705MMF9	5/1/2032	5.000%	12,870,000	108.974
2018 Series B	97705MMG7	5/1/2033	5.000%	13,550,000	108.883
2018 Series B	97705MMH5	5/1/2034	5.000%	14,280,000	108.670
2018 Series B	97705MMJ1	5/1/2035	5.000%	15,040,000	108.278
2018 Series B	97705MMK8	5/1/2036	5.000%	15,830,000	107.827
2018 Series B	97705MML6	5/1/2037	5.000%	16,700,000	107.438
2018 Series B	97705MMM4	5/1/2038	5.000%	17,585,000	107.230
2018 Series B	97705MMN2	5/1/2039	5.000%	30,915,000	107.081

TENDER OFFER – PURCHASE PRICES (TAX-EXEMPT BONDS CONT'D)

Series	CUSIP	Maturity Date	Interest Rate	Outstanding Principal Amount	Purchase Price as a Percentage of Par
2019 Series A	97705MMZ5	5/1/2030	5.000%	\$11,340,000	109.247
2019 Series A	97705MNA9	5/1/2031	5.000%	9,450,000	109.065
2019 Series A	97705MNB7	5/1/2032	5.000%	9,950,000	108.974
2019 Series A	97705MNC5	5/1/2033	5.000%	10,475,000	108.883
2019 Series A	97705MND3	5/1/2034	5.000%	11,020,000	108.670
2019 Series A	97705MNE1	5/1/2035	5.000%	11,600,000	108.278
2019 Series A	97705MNF8	5/1/2036	5.000%	12,195,000	107.827
2019 Series A	97705MNG6	5/1/2037	5.000%	12,825,000	107.438
2019 Series A	97705MNH4	5/1/2038	5.000%	13,480,000	107.230
2019 Series A	97705MNJ0	5/1/2039	5.000%	14,170,000	107.081
2019 Series A	97705MNK7	5/1/2040	5.000%	19,620,000	106.873
2019 Series B	97705MPL3	5/1/2032	4.000%	12,500,000	107.246
2019 Series B	97705MPM1	5/1/2033	4.000%	13,185,000	106.978
2019 Series B	97705MPN9	5/1/2034	5.000%	13,005,000	112.140
2019 Series B	97705MPP4	5/1/2035	5.000%	13,675,000	111.397
2019 Series B	97705MPQ2	5/1/2036	5.000%	14,385,000	110.729
2019 Series B	97705MPR0	5/1/2037	5.000%	15,140,000	110.303
2019 Series B	97705MPS8	5/1/2038	5.000%	15,930,000	109.812
2019 Series B	97705MPT6	5/1/2039	5.000%	16,750,000	109.608
2019 Series B	97705MPU3	5/1/2040	5.000%	17,825,000	109.474
2020 Series A	97705MRH0	5/1/2032	5.000%	9,870,000	115.236
2020 Series A	97705MRJ6	5/1/2033	5.000%	10,340,000	115.092
2020 Series A	97705MRK3	5/1/2034	5.000%	10,880,000	114.822
2020 Series A	97705MRL1	5/1/2035	5.000%	11,430,000	113.945
2020 Series A	97705MRM9	5/1/2036	5.000%	12,045,000	113.012
2020 Series A	97705MRN7	5/1/2037	5.000%	12,650,000	112.285
2020 Series A	97705MRP2	5/1/2038	5.000%	13,310,000	111.774
2021 Series A	97705MUZ6	5/1/2032	5.000%	9,800,000	115.236
2021 Series A	97705MVA0	5/1/2033	5.000%	10,300,000	115.092
2021 Series A	97705MVB8	5/1/2034	5.000%	10,820,000	114.822
2021 Series A	97705MVC6	5/1/2035	5.000%	11,365,000	113.945
2021 Series A	97705MVD4	5/1/2036	5.000%	11,945,000	113.012

TENDER OFFER – YIELD SPREADS (TAXABLE BONDS)

Pursuant to the Tender Offer, the Fixed Spreads for the Taxable Bonds are listed below. The Purchase Price to be paid on the Settlement Date excludes Accrued Interest on the Taxable Bonds tendered for purchase, which interest will be paid to but not including the Settlement Date in addition to the Purchase Price.

Series	CUSIP	Maturity Date	Interest Rate	Outstanding Principal Amount	Benchmark Treasury Security	Fixed Spreads
2019 Series 1	97705MZM0	5/1/2027	2.141%	\$16,920,000	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	11.2
2019 Series 1	97705MNR2	5/1/2028	2.231%	7,415,000	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	22.3
2019 Series 1	97705MNS0	5/1/2029	2.281%	13,995,000	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	29.5
2019 Series 1	97705MNT8	5/1/2030	2.381%	13,000,000	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	27.3
2019 Series 1	97705MNU5	5/1/2031	2.451%	25,895,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	41.5
2019 Series 1	97705MNV3	5/1/2032	2.501%	62,875,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	50.1
2019 Series 1	97705MZN8	5/1/2033	2.531%	23,705,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	52.7
2020 Series 2	97705MQM0	5/1/2027	2.118%	7,005,000	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	11.2
2020 Series 2	97705MQN8	5/1/2028	2.217%	7,125,000	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	22.2
2020 Series 2	97705MQP3	5/1/2029	2.267%	45,740,000	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	29.5
2020 Series 2	97705MQQ1	5/1/2030	2.297%	19,090,000	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	27.2
2020 Series 2	97705MQR9	5/1/2031	2.347%	19,175,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	41.4
2020 Series 3	97705MRX5	5/1/2027	1.168%	1,175,000	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	10.0
2020 Series 3	97705MRY3	5/1/2028	1.436%	1,190,000	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	21.3
2020 Series 3	97705MRZ0	5/1/2029	1.536%	1,205,000	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	28.4
2020 Series 3	97705MSA4	5/1/2030	1.616%	1,225,000	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	26.0
2020 Series 3	97705MSB2	5/1/2031	1.736%	1,245,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	40.3
2020 Series 3	97705MSC0	5/1/2032	1.736%	25,540,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	48.7
2020 Series 3	97705MZQ1	5/1/2033	1.836%	21,895,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	51.1
2020 Series 3	97705MSE6	5/1/2034	1.936%	3,835,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	56.3
2020 Series 3	97705MSF3	5/1/2035	1.986%	3,965,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	61.5
2020 Series 3	97705MSG1	5/1/2038	2.385%	12,730,000	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	71.1
2020 Series 3	97705MSH9	5/1/2042	2.485%	19,105,000	3.875% UST maturing 02/15/2043 CUSIP:912810TQ1*	61.5
2021 Series 3	97705MUM5	5/1/2027	1.022%	435,000	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	9.8
2021 Series 3	97705MUN3	5/1/2028	1.122%	24,350,000	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	20.9

* This Benchmark Treasury Security has been updated from the Tender Offer.

The yields on the Benchmark Treasury Securities will be determined at 10:00 AM, New York City time, on Wednesday, April 26, 2023.

Example based on the following closing yields for the Benchmark Treasury Securities as of April 17, 2023 and the Fixed Spreads: The tables below provide an example of the Purchase Price realized by a Bondholder that submits an offer based on the following yields for the Benchmark Treasury Securities as of April 17, 2023 and the Fixed Spreads. This example is being provided for convenience only and is not to be relied upon by a Bondholder as an indication of the Purchase Yield or Purchase Price that may be paid by the State.

[Remainder of Page Intentionally Left Blank]

Based on these Benchmark Treasury Security yields, the following Purchase Prices would be derived:

Series	CUSIP	Maturity Date	Benchmark Treasury Security	Indicative Benchmark Yield	Fixed Spread	Indicative Purchase Yield	Indicative Purchase Price per \$100 Principal Amount
2019 Series 1	97705MZM0	5/1/2027	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	3.700%	11.2	3.812%	93.893
2019 Series 1	97705MNR2	5/1/2028	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	3.700%	22.3	3.923%	92.423
2019 Series 1	97705MNS0	5/1/2029	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	3.649%	29.5	3.944%	91.227
2019 Series 1	97705MNT8	5/1/2030	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	3.649%	27.3	3.922%	90.678
2019 Series 1	97705MNU5	5/1/2031	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	41.5	4.017%	89.406
2019 Series 1	97705MNV3	5/1/2032	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	50.1	4.103%	88.075
2019 Series 1	97705MZN8	5/1/2033	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	52.7	4.129%	87.044
2020 Series 2	97705MQM0	5/1/2027	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	3.700%	11.2	3.812%	93.809
2020 Series 2	97705MQN8	5/1/2028	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	3.700%	22.2	3.922%	92.364
2020 Series 2	97705MQP3	5/1/2029	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	3.649%	29.5	3.944%	91.153
2020 Series 2	97705MQQ1	5/1/2030	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	3.649%	27.2	3.921%	90.175
2020 Series 2	97705MQR9	5/1/2031	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	41.4	4.016%	88.709
2020 Series 3	97705MRX5	5/1/2027	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	3.700%	10.0	3.800%	90.38
2020 Series 3	97705MRY3	5/1/2028	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	3.700%	21.3	3.913%	88.905
2020 Series 3	97705MRZ0	5/1/2029	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	3.649%	28.4	3.933%	87.351
2020 Series 3	97705MSA4	5/1/2030	3.625% UST maturing 03/31/2030 CUSIP:91282CGS4	3.649%	26.0	3.909%	86.123
2020 Series 3	97705MSB2	5/1/2031	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	40.3	4.005%	84.644
2020 Series 3	97705MSC0	5/1/2032	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	48.7	4.089%	82.475
2020 Series 3	97705MZQ1	5/1/2033	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	51.1	4.113%	81.526
2020 Series 3	97705MSE6	5/1/2034	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	56.3	4.165%	80.527
2020 Series 3	97705MSF3	5/1/2035	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	61.5	4.217%	79.195
2020 Series 3	97705MSG1	5/1/2038	3.500% UST maturing 02/15/2033 CUSIP:91282CGM7	3.602%	71.1	4.313%	78.894
2020 Series 3	97705MSH9	5/1/2042	3.875% UST maturing 02/15/2043 CUSIP:912810TQ1*	3.924%	61.5	4.539%	74.059
2021 Series 3	97705MUM5	5/1/2027	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	3.700%	9.8	3.798%	89.853
2021 Series 3	97705MUN3	5/1/2028	3.625% UST maturing 03/31/2028 CUSIP:91282CGT2	3.700%	20.9	3.909%	87.515

* This Benchmark Treasury Security has been updated from the Tender Offer.

[Remainder of Page Intentionally Left Blank]

As a measure of the sensitivity of the Purchase Yield to changes in the yield on the Benchmark Treasury Security, the following table shows the impact on the Purchase Yield of a 0.10% (10 basis point) movement in the yield on the Benchmark Treasury Security

Series	CUSIP	Maturity Date	Indicative Purchase Yield	Indicative Purchase Price (Assuming a 0.10% Increase in Treasury Security Yield)	Indicative Purchase Price per \$100 Principal Amount	Indicative Purchase Price (Assuming a 0.10% Decrease in Treasury Security Yield)
2019 Series 1	97705MZM0	5/1/2027	3.812%	93.542	93.893	94.246
2019 Series 1	97705MNR2	5/1/2028	3.923%	91.996	92.423	92.852
2019 Series 1	97705MNS0	5/1/2029	3.944%	90.727	91.227	91.729
2019 Series 1	97705MNT8	5/1/2030	3.922%	90.108	90.678	91.252
2019 Series 1	97705MNU5	5/1/2031	4.017%	88.774	89.406	90.043
2019 Series 1	97705MNV3	5/1/2032	4.103%	87.386	88.075	88.770
2019 Series 1	97705MZN8	5/1/2033	4.129%	86.299	87.044	87.796
2020 Series 2	97705MQM0	5/1/2027	3.812%	93.458	93.809	94.162
2020 Series 2	97705MQN8	5/1/2028	3.922%	91.938	92.364	92.793
2020 Series 2	97705MQP3	5/1/2029	3.944%	90.654	91.153	91.655
2020 Series 2	97705MQQ1	5/1/2030	3.921%	89.607	90.175	90.748
2020 Series 2	97705MQR9	5/1/2031	4.016%	88.080	88.709	89.343
2020 Series 3	97705MRX5	5/1/2027	3.800%	90.035	90.380	90.725
2020 Series 3	97705MRY3	5/1/2028	3.913%	88.487	88.905	89.325
2020 Series 3	97705MRZ0	5/1/2029	3.933%	86.863	87.351	87.841
2020 Series 3	97705MSA4	5/1/2030	3.909%	85.568	86.123	86.681
2020 Series 3	97705MSB2	5/1/2031	4.005%	84.030	84.644	85.262
2020 Series 3	97705MSC0	5/1/2032	4.089%	81.810	82.475	83.146
2020 Series 3	97705MZQ1	5/1/2033	4.113%	80.807	81.526	82.252
2020 Series 3	97705MSE6	5/1/2034	4.165%	79.760	80.527	81.304
2020 Series 3	97705MSF3	5/1/2035	4.217%	78.384	79.195	80.015
2020 Series 3	97705MSG1	5/1/2038	4.313%	77.950	78.894	79.852
2020 Series 3	97705MSH9	5/1/2042	4.539%	73.018	74.059	75.117
2021 Series 3	97705MUM5	5/1/2027	3.798%	89.510	89.853	90.197
2021 Series 3	97705MUN3	5/1/2028	3.909%	87.101	87.515	87.932